

Good governance, **safe blood**

Global Mapping

Red Cross / Red Crescent National Society
involvement in blood programs

2023

www.globaladvisorypanel.org





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Glossary

GAP: Global Advisory Panel on Corporate Governance and Risk Management of Blood Services in Red Cross and Red Crescent Societies

NS: National Society

NSBS: National Society blood service

RC / RC: Red Cross and Red Crescent

IFRC: International Federation of Red Cross and Red Crescent Societies

VNRBD: Voluntary non-remunerated blood donation

GM: Global Mapping

MoH: Ministry of Health

About GAP

A global organisation of blood program experts, providing advice and support to RC and RC National Societies regarding blood program corporate governance and risk management.

GAP is affiliated with the IFRC and our activities reflect the responsibilities under the IFRC Blood Policy.



Supports National Society blood programs through the provision of **technical advice** on corporate governance and risk management



Knowledge sharing, network and partnerships among and between RC / RC blood services and external partners



Develops and shares best practice **tools and guidelines** and provides country support to NSBS most in need



Provides **post-disaster blood program recovery** coordination assistance to NS blood programs

Categories of National Society involvement in blood programs

The World Health Organisation recognises that it is the responsibility of governments to ensure a safe and adequate supply of blood. In some countries the government may delegate the provision of one or more components of the blood program to the Red Cross or Red Crescent Society.

The extent of NS engagement in blood programs ranges from national responsibility for collection, testing and supply, to promotion and advocacy for voluntary blood donation (or NS may have no involvement).

GAP's Category classification system (right) is based on the level of risk involved in these activities (with Category A NS involved in the highest risk).

Category A is also divided into **A1** and **A2**.

Category A1 NS are involved in full blood service activities (as listed).

Category A2 NS are primarily involved in donor recruitment, but also some higher risk activities such as blood collection, donor interview/selection or post-donation counselling of test results.

	Category A1 Full blood service	Category A2 Donor recruitment +	Category B Donor recruitment	Category C Advocacy for VNRBD
Education and advocacy on blood donation (including promotional campaigns for World Blood Donor Day)	✓	✓	✓	✓
Recruitment of blood donors	✓	✓	✓	✗
<i>Involved in any of the following:</i> Collection Donor interview and screening Donor counselling	✓	✓	✗	✗
<i>Also involved in:</i> Component preparation Laboratory testing Product distribution Advocacy for appropriate use Governance	✓	✗	✗	✗

About the Global Mapping report

What is in this report?

With funding support provided by Australian Red Cross, a review of the 2018 Global Mapping Report was conducted to ensure that the information remains accurate and up to date.

During 2023, all RC / RC NS globally were invited to provide information for the GAP Global Mapping survey (refer page 605 for full survey).

This report compiles the data received from NS for the survey, and provides a country profile for each NS which includes information on:

- National context (e.g. size of country, population, economy, health system)
- National blood program (e.g. providers, regulation, activities)
- Category of involvement of NS in the country blood program (Category A1 / A2, B, C or nil)
- NS blood program activities (e.g. community education, donor recruitment, blood collection, other activities)

In addition, a **global overview and regional summaries** of data are provided for review and comparison.

Please note: As some NS did not complete the Global Mapping survey in 2023, the profile for these countries in this report reflects data from the 2018 GAP Global Mapping report, and has not been verified by the NS as current. Where this is the case, it will be noted on the relevant country profile.

About the Global Mapping report

What will this report be used for?



The GAP Global mapping report outlines the activities of RC/RC blood programs globally. It is a valuable reference tool which provides visibility of the scope and level of involvement of NS in blood, highlighting their valuable contributions in promoting, supporting or delivering blood programs.

This information enables GAP, the IFRC and other interested stakeholders such as potential funding partners to evaluate opportunities, and provide advice and guidance, including:

- **Local / regional support programs** – Visibility of the engagement of NS in blood activities can identify areas of potential future growth and development in this field.
- **GAP Self-Assessment program** - The IFRC Blood Policy requires NS to complete the GAP Self-Assessment questionnaire periodically. This process assists NS in identifying and managing corporate governance and risk management issues. The Global Mapping ensures that NS receive the correct Self-Assessment questionnaire for their level of involvement in blood.
- **Effective disaster response** - Information obtained through Global Mapping enables rapid assessment of the potential impact of a disaster on a NS blood program, enabling GAP and the IFRC to determine the extent of support that may be required if the blood program is affected.



Global overview

Image courtesy of IFRC (South Sudan)

Legend

National Society involvement in blood programs

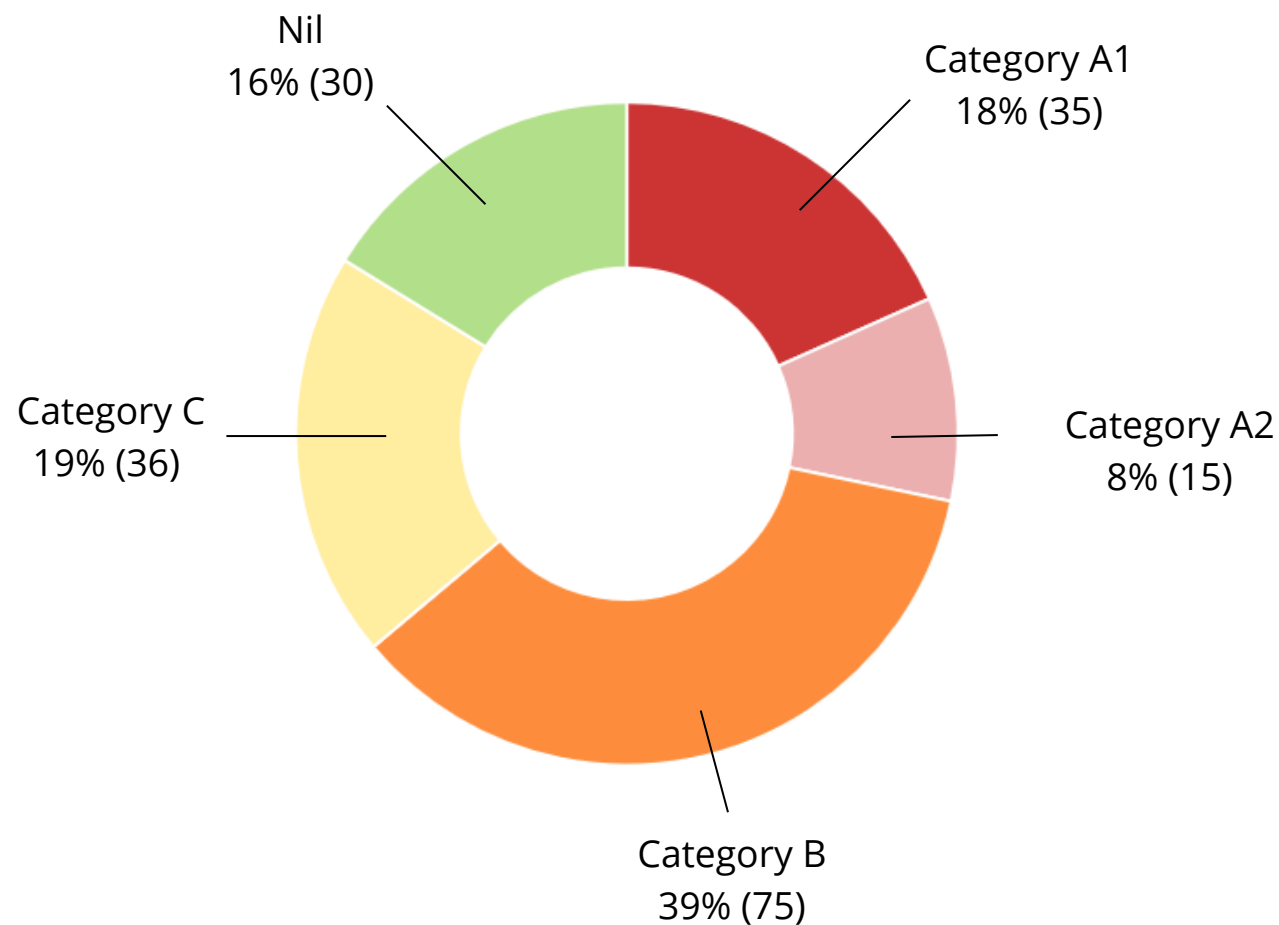
-  Category A1 - full blood service - donor recruitment, blood collection, testing, processing, distribution
-  Category A2 - regular recruitment of voluntary blood donors; also involved in donor interview, blood collection and/or post donation counselling
-  Category B - regular recruitment of voluntary blood donors
-  Category C - promotion of voluntary blood donation
-  Nil - no involvement

Global overview

73 % (140 of 191)

of National Societies provided
updated information for the GAP
Global Mapping survey in 2023

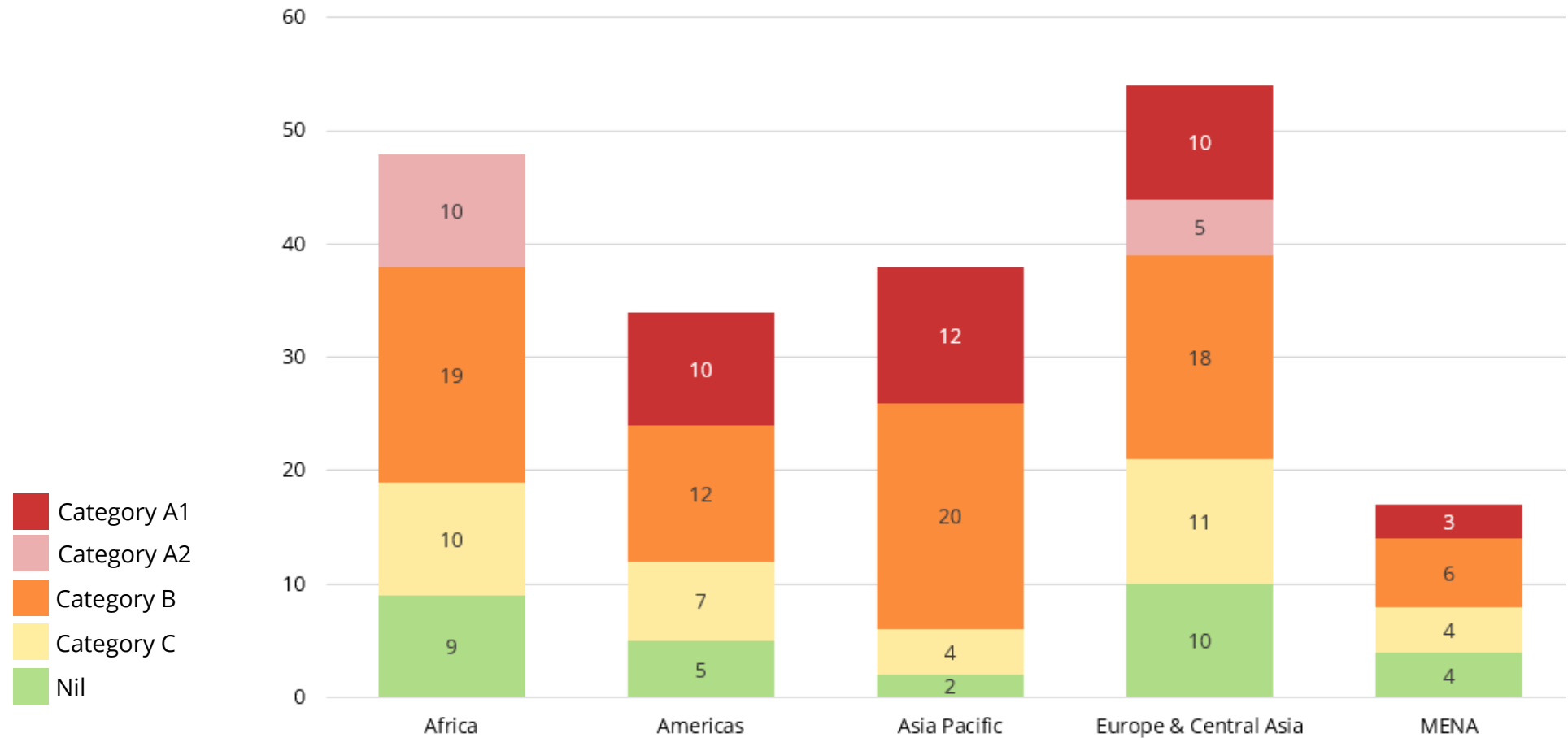
Categories of all National Societies (total = 191)



[Link to Legend](#)

Global overview

Categories of all National Societies - by region (total = 191)



[Link to Legend](#)

Global overview

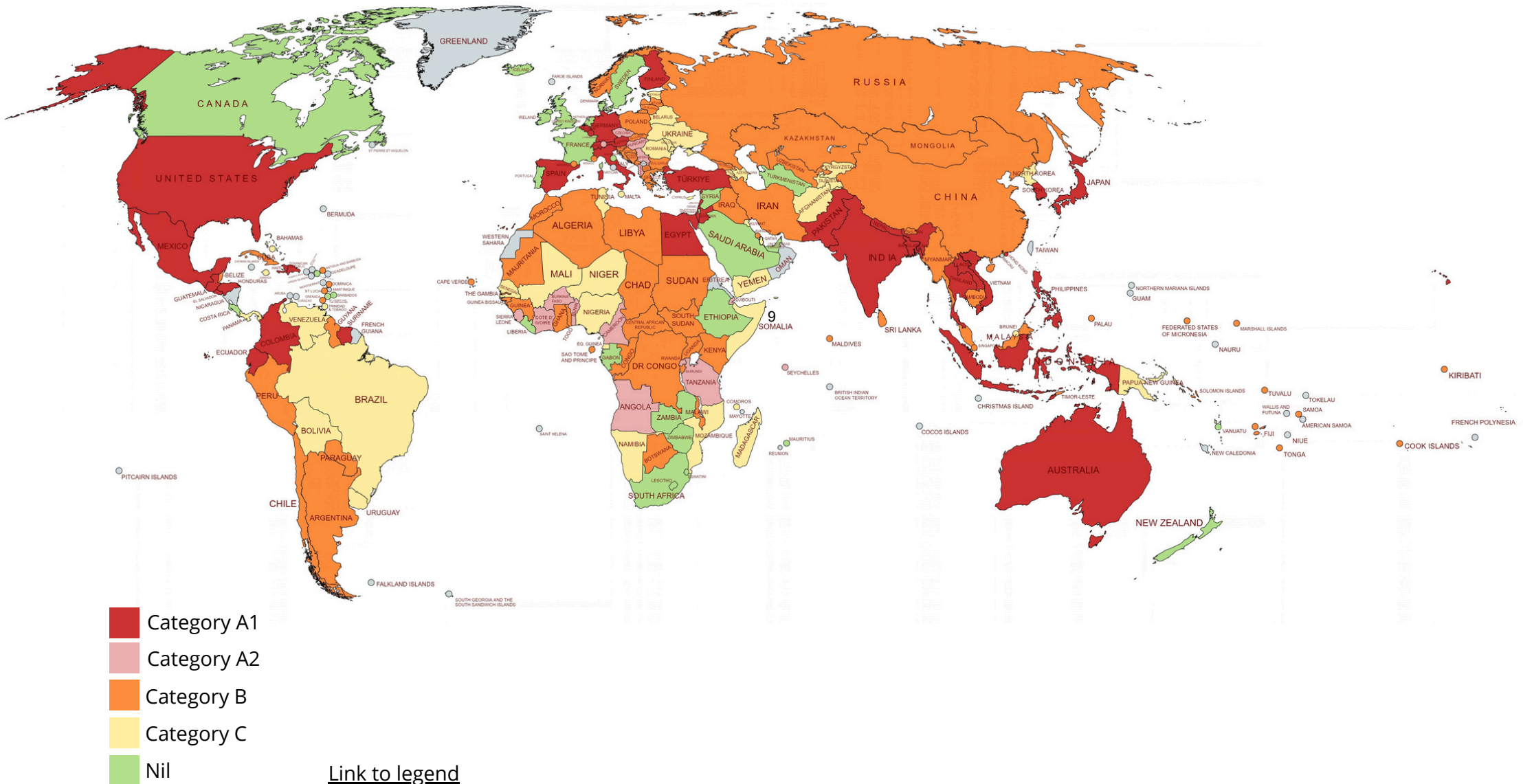
Categories of all National Societies by region - detailed

		Africa	Americas	Asia Pacific	Europe & CA	MENA	TOTAL	
Category A1	Verified	0	8	10	5	3	26	35
	Unverified	0	2	2	5	0	9	
Category A2	Verified	10	0	0	5	0	15	15
	Unverified	0	0	0	0	0	0	
Category B	Verified	17	9	16	14	1	57	75
	Unverified	2	3	4	4	5	18	
Category C	Verified	8	3	2	6	0	19	36
	Unverified	2	4	2	5	4	17	
Nil	Verified	8	5	2	7	1	23	30
	Unverified	1	0	0	3	3	7	
TOTAL		48	34	38	54	17	191	191

Verified = National Society responded to the GAP global mapping survey in 2023.

Unverified = information obtained from GAP's previous global mapping activities (prior to 2023)

Global overview



Focus on Category A National Societies



Involved in any of the following:

- ✓ Collection and donor counselling
- Component preparation
- Laboratory testing
- Product distribution
- Advocacy for appropriate use of blood products
- Blood service governance

In addition to these activities:

- ✓ Education and advocacy on blood donation (including promotional campaigns for World Blood Donor Day)
- ✓ Recruitment of blood donors

Global population
supported by Cat A1
NS blood services



3.4 billion

Units of whole blood
collected by Cat A1 NS
blood services each year



>22 million

Cat A1 NS blood services
providing **100% of the blood**
supply in their country



23 %
(8 of 35)

Cat A1 NS blood services
have achieved **100%**
voluntary blood donation



51%
(18 of 35)

Focus on Category A National Societies

Africa

A1

Nil

A2

Angola
Benin
Burkinabe
Cameroon
Cote d'Ivoire
Djibouti
Rwanda
Seychelles
Sierra Leone
Tanzania

Americas

A1

Colombia
Dominican Republic
Ecuador
El Salvador
Guatemala
Haiti
Honduras
Mexico
Suriname
USA

A2

Nil

Asia Pacific

A1

Australia
Bangladesh
Hong Kong*
India
Indonesia
Japan
Korea, Republic of
Laos
Nepal
Pakistan
Philippines
Thailand
Vietnam

A2

Nil

Europe & Central Asia

A1

Austria
Belgium
Finland
Germany
Israel
Italy
Luxembourg
Spain
Switzerland
Turkiye

A2

Albania
Czech Republic
Hungary
Liechtenstein
Serbia

MENA

A1

Egypt
Jordan
Lebanon

A2

Nil

[Link to legend](#)

* Hong Kong Red Cross is a Branch of the Red Cross Society of China

Focus on Category A National Societies

AMERICAS



NSBS that have achieved **100% VNRBD** - *El Salvador, Guatemala, Suriname, USA*



NSBS that collect **100% of their country's blood supply** - *Haiti, Suriname*

EUROPE & CENTRAL ASIA



NSBS that have achieved **100% VNRBD** - *Austria, Belgium, Finland, Germany, Israel, Italy, Luxembourg, Spain, Switzerland, Turkiye*



NSBS that collect **100% of their country's blood supply** - *Finland, Luxembourg, Switzerland*

MENA



NSBS that have achieved **100% VNRBD** - *none*



NSBS that collect **100% of their country's blood supply** - *none*

ASIA-PACIFIC



NSBS that have achieved **100% VNRBD** - *Australia, Hong Kong*, Japan, Republic of Korea, Thailand*



NSBS that collect **100% of their country's blood supply** - *Australia, Hong Kong*, Japan, Laos*

AFRICA

No Category A1 NS blood services in the region

* Hong Kong Red Cross is a Branch of the Red Cross Society of China

National Society country profiles by region



Africa - regional summary

National Societies by Category

Category A1

Nil

Category C

Comoros
Equatorial Guinea
Madagascar
Mali
Mozambique
Namibia
Niger
Nigeria
Senegal
Somalia

[Link to legend](#)

Category A2

Angola
Benin
Burkina Faso
Cameroon
Cote D'Ivoire
Djibouti
Rwanda
Seychelles
Sierra Leone
Tanzania

Nil (no involvement)

Eswatini
Ethiopia
Gabon
Lesotho
Liberia
Mauritius
South Africa
Zambia
Zimbabwe

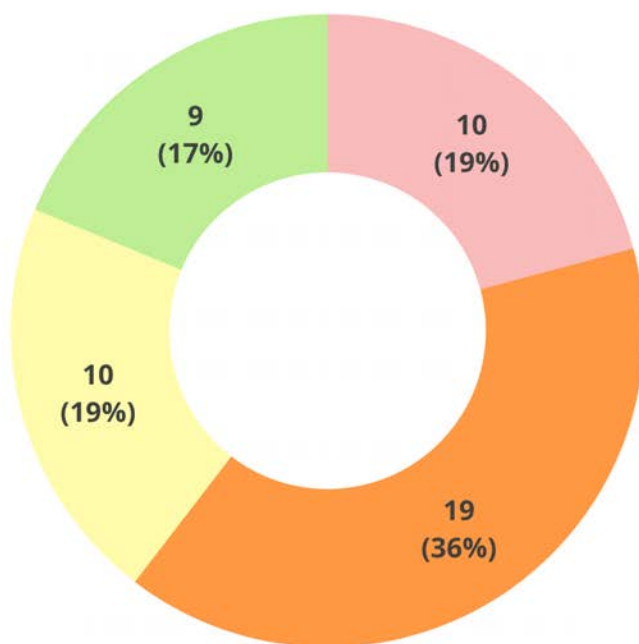
Category B

Botswana
Burundi
Cape Verde
Central African Republic
Chad
Congo, Republic of
Congo, Democratic Republic of
Ghana
Guinea
Guinea-Bissau
Kenya
Malawi
Mauritania
Sao Tome and Principe
South Sudan
Sudan
The Gambia
Togo
Uganda

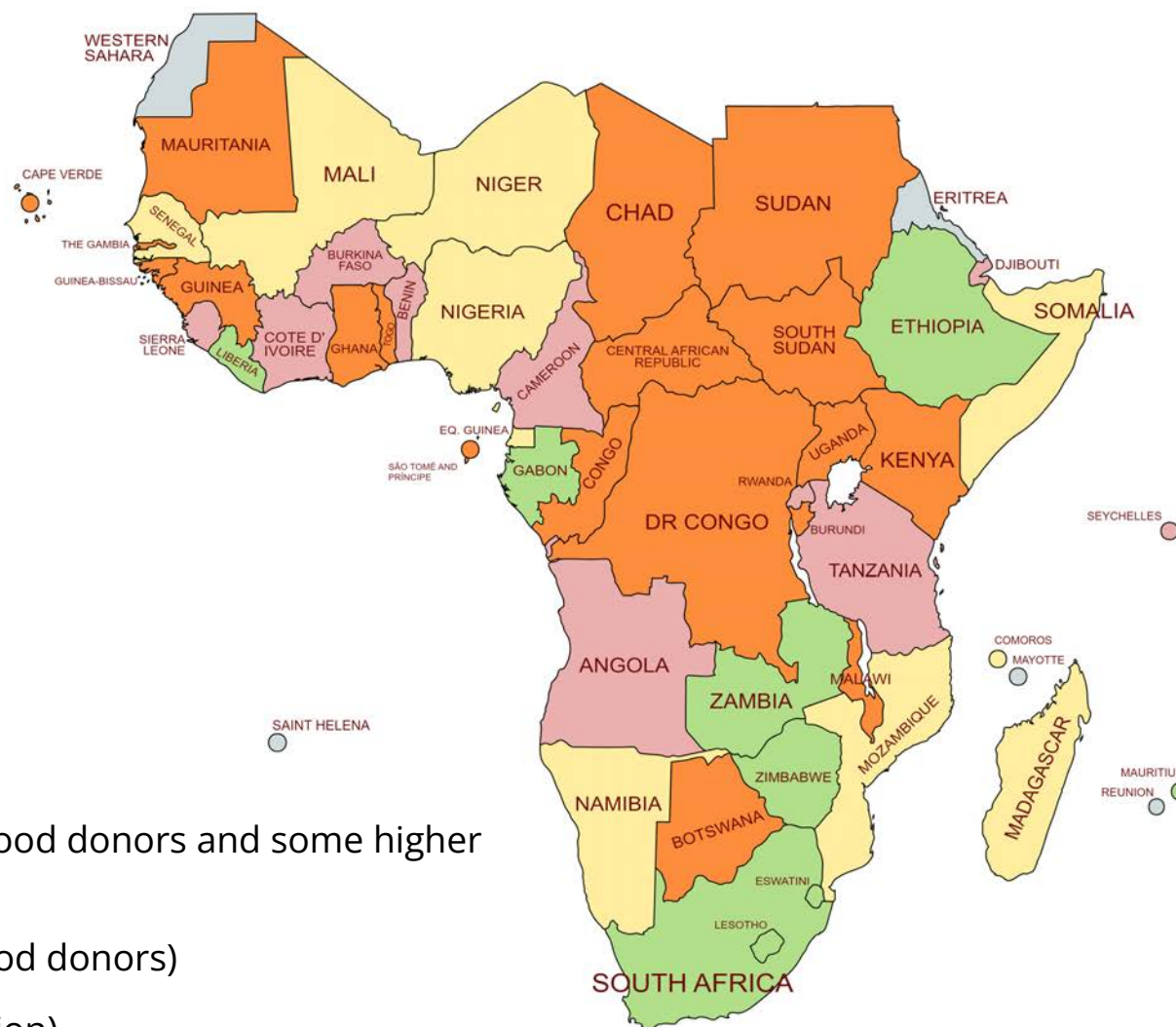


National Society Categories

Total = 48



- Category A2 (regular recruitment of voluntary blood donors and some higher risk activities)
- Category B (regular recruitment of voluntary blood donors)
- Category C (promotion of voluntary blood donation)
- Nil involvement





Angola

Level of RC/RC involvement: A2

% National VNRBD: No

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program

Blood program provision: Ministry of Health

Coordination: Regional

Fixed blood collection centres: Not provided

Blood testing/processing centres: Not provided

National authority for blood program activities: Yes

Public Health Department - MoH Angola

Technical standards for blood programs: Yes

Details not provided

National haemovigilance program: No

Blood program funding: Government, other

% VNRBD: No

% Replacement donors: No

% Paid donors: No

% Other donor types: No

National blood demand met: Not provided

Plasma fractionation within the country: Not provided

Common uses of blood: Trauma and surgical purposes

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided



Africa

National Context

Population 35,588,987

GDP (USD) 106,714m

Human Development Medium

HDI 0.586

HDI rank (of 191) 148

Life expectancy at birth 61.6

Median age 15.9

Maternal mortality ratio 241.0
(per 100,000 live births)

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Involvement in World Blood Donor Day, Other: Community Mobilization through the NS Volunteers. At the other hand, Volunteers and Staff are also encouraged to be blood donors.



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: No
- Donor recruitment and retention activity funding: Government, private organisations
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 150

Blood donor recruitment strategies: Yes

Targeting youth, volunteer engagement

Donor retention strategies: Yes

Other: Community Mobilization through the NS Volunteers. At the other hand, Volunteers and Staff are also encouraged to be blood donors. Using campaigns

National Society Activities



Blood collection and processing

Blood donor interview: Yes

Blood collection: No

- Proportion (%) of the overall national blood supply: N/A
- Number of fixed collection sites: N/A
- Proportion (%) whole blood collections donated at fixed collection sites: N/A
- Total number of individual donors who made a whole blood and/or apheresis donation: N/A
- Number of new donors: N/A
- Number of repeat / regular donors: N/A
- Total number of collections: N/A
- Number of whole blood collections: N/A
- Number of plasmapheresis collections: N/A
- Number of plateletpheresis collections: N/A
- Number of red cell apheresis collections: N/A
- Number of other collection types: N/A
- Percentage (%) voluntary non-remunerated blood donors for all collection types: N/A

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: No
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: No



National Society background

Structure of your NS blood program activities:

- Decentralised
- Hospital based

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities:

The NS needs support to restructure its blood Programme, including to reestablishment of the Health Department and Blood Programme Unit, with trained and equipped HR (Staff and Volunteers).



Benin

Level of RC/RC involvement: A2

% National VNRBD: 100%

NS proportion of national blood supply (%): 3.1%

Number of units collected by NS: N/A

National Blood Program



Africa

National Context

Population 13,352,864

GDP (USD) 17,402m

Human Development Low

HDI 0.525

HDI rank (of 191) 166

Life expectancy at birth 59.8

Median age 17

Maternal mortality ratio 397.0
(per 100,000 live births)

Blood program provision: National Agency for Blood Transfusion (ANTS) Public structure under the supervision of the Ministry of Health

Coordination: National

Fixed blood collection centres: 35

Blood testing/processing centres: 23

National authority for blood program activities: Yes

Health Sector Regulatory Authority (ARS)

Technical standards for blood programs: Yes

Good Practices in TS
Quality Manual

National haemovigilance program: Yes

Blood program funding: Government, recovery of costs of services from patients

% VNRBD: 100%

% Replacement donors: 0.65%

% Paid donors:

% Other donor types:

National blood demand met: No

Plasma fractionation within the country: No

Common uses of blood: Maternal/child health; trauma.

Significant challenges: Disasters, infectious diseases, change in donor behavior.

Relevant history / significant changes/impacts: Several structural reforms carried out depending on situations and experiences

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, involvement in World Blood Donor day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Government, private organisations
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: Detail not provided

Blood donor recruitment strategies: Yes

Targeting youth, volunteer engagement

Donor retention strategies: Yes

Personalised sms/email

National Society Activities



Blood collection and processing

Blood donor interview: Yes

Blood collection: No. The Beninese Red Cross is not involved in the management of the technical aspect of blood collection and therefore does not record these data during mobile blood drives.

- Proportion (%) of the overall national blood supply: N/A
- Number of fixed collection sites: N/A
- Proportion (%) whole blood collections donated at fixed collection sites: N/A
- Total number of individual donors who made a whole blood and/or apheresis donation: N/A
- Number of new donors: N/A
- Number of repeat / regular donors: N/A
- Total number of collections: N/A
- Number of whole blood collections: N/A
- Number of plasmapheresis collections: N/A
- Number of plateletpheresis collections: N/A
- Number of red cell apheresis collections: N/A
- Number of other collection types: N/A
- Percentage (%) voluntary non-remunerated blood donors for all collection types: N/A

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- | | |
|--|-------------------------------|
| • Therapeutic collection of whole blood / plasma: No | • Solid organ transplants: No |
| • Cord blood banking: No | • Cornea: No |
| • Peripheral blood stem cells: No | • Other biomedical: No |
| • Bone marrow: No | • Other: No |



National Society background

Structure of your NS blood program activities:

- National and decentralised
- Hospital based

Relevant history for your NS blood program establishment:

The Beninese Red Cross, a member of the Board of Directors of the National Blood Transfusion Agency (a government agency), does not have a policy in the field of blood. Nevertheless, it has a practice of intervention and support in the field of blood.

Blood activities are integrated into the National Society's development program. Within this framework, the SN intervenes mainly on two axes: social mobilization for blood donation and recruitment of blood donors. In terms of social mobilization, the CRB, thanks to its large network of volunteers, raises awareness in the communities about blood donation in order to recruit donors, especially in public places or in households. In addition, sensitization is carried out during training sessions on First Aid and Community Based Health by Red Cross trainers. In addition, blood donation sessions are also organized by volunteers and/or BRC staff at which the National Blood Service conducts blood collections.

Overall picture of the NS blood program scale and scope of activities: Not provided



Botswana

Level of RC/RC involvement: **B**

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program



Africa

National Context

Population 2,630,296

GDP (USD) 20,352m

Human Development Medium

HDI 0.693

HDI rank (of 191) 117

Life expectancy at birth 61.1

Median age 25.7

Maternal mortality ratio 144.0
(per 100,000 live births)

Blood program provision: National Blood Transfusion Service, Ministry of Health

Coordination: National

Fixed blood collection centres: 2

Blood testing/processing centres: 2

National authority for blood program activities: Yes

Technical standards for blood programs: Yes

National haemovigilance program: Yes

National Blood Transfusion Service

<https://www.gov.bw/public-health-services/blood-transfusion>

(National Blood Transfusion Policy, 2000)

https://www.moh.gov.bw/Publications/policies/blood_transfusion_policy.pdf

Blood program funding: Government

% VNRBD: 100%

% Replacement donors:

% Paid donors:

% Other donor types:

National blood demand met: No

Plasma fractionation within the country: No

Common uses of blood: Maternal health and trauma

Significant challenges: Changes in donor behaviour (less interest); Movement Restricts due to COVID-19 Protocols in 2020-2022

Relevant history / significant changes/impacts: No significant change

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, printing and disseminating materials, involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- | | |
|--|---|
| • Strategy for blood donor recruitment and retention planning: Yes | • Paid positions (staff) for donor recruitment and retention: No |
| • Donor recruitment and retention activity funding: National Society, Government | • Number of donors recruited / registered to donate by the NS: 406 Blood donors were recruited and 196 pints of blood donated |

Blood donor recruitment strategies:

Volunteer engagement

Donor retention strategies:

Loyalty programs

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Not provided

Overall picture of the NS blood program scale and scope of activities:

Not provided



Burkina Faso

Africa

National Context

Level of RC/RC involvement: A2

% National VNRBD: 89%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 22,673,762

GDP (USD) 18,885m

Human Development Low

HDI 0.449

HDI rank (of 191) 184

Life expectancy at birth 59.3

Median age 17.9

Maternal mortality ratio 320.0
(per 100,000 live births)

National Blood Program

Blood program provision: Ministry of Health (Centre National de Transfusion Sanguine-National Blood Transfusion Centre) - 53% of supply.
Independent hospital blood banks - 47%

Coordination: National

Fixed blood collection centres: 39

Blood testing/processing centres: 4

National authority for blood program activities: Yes

Ministere de la santé

Technical standards for blood programs: Yes

National haemovigilance program: Yes

Blood program funding: Government and other

% VNRBD: 89%

% Replacement donors: 11%

% Paid donors:

% Other donor types:

National blood demand met: No

Plasma fractionation within the country: Not provided

Common uses of blood: Pediatrics, Maternity, Surgical emergency

Significant challenges: Put an end to family donations and fight against the many persistent rumors around blood donation in order to boost collections

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Printing and disseminating materials, involvement in WBDD, Other: réseaux sociaux de la SN: page Facebook



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: No
- Donor recruitment and retention activity funding: National Society
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: Detail not provided

Blood donor recruitment strategies: Yes

Targeting youth, Pre-donation talks / seminars, Targeting businesses, volunteer engagement, social media, schools and universities

Donor retention strategies: Yes

Detail not provided

National Society Activities



Blood collection and processing

Blood donor interview: Yes

Blood collection: No. In Burkina Faso, the National Center for Blood Transfusion (CNTS) is responsible for transfusion and the Regional Centers for Blood Transfusion are responsible for collection and distribution. The CRBF contributes to the mobilization of blood donors

- Proportion (%) of the overall national blood supply: N/A
- Number of fixed collection sites: N/A
- Proportion (%) whole blood collections donated at fixed collection sites: N/A
- Total number of individual donors who made a whole blood and/or apheresis donation: N/A
- Number of new donors: N/A
- Number of repeat / regular donors: N/A
- Total number of collections: N/A
- Number of whole blood collections: N/A
- Number of plasmapheresis collections: N/A
- Number of plateletpheresis collections: N/A
- Number of red cell apheresis collections: N/A
- Number of other collection types: N/A
- Percentage (%) voluntary non-remunerated blood donors for all collection types: N/A

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: No
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: No



National Society background

Structure of your NS blood program activities:

- National
- Not provided

Relevant history for your NS blood program establishment:

In the past, the NS was known for the essential role it played in promoting and mobilizing for blood donation, but over the years this activity has moved into the background in favor of the classic project actions developed. It is therefore appropriate to point out here attempts to set up a mobilization project in favour of blood transfusion, but this project did not see the light of day due to a lack of funding.

Overall picture of the NS blood program scale and scope of activities:

In 2023, the NS really wants to boost or reconnect with its activities in favor of the mobilization and promotion of blood donation through a project to strengthen the system and draft proposals have already been developed for this purpose; This is a commitment from the highest authorities and the health and communication coordinators carry this idea and would like to mobilize more partners around this issue. The National Society has human resources through its network of volunteers to cover the entire national territory in terms of promoting blood donation without only the financial means lacking for this The National Society has human resources through its network of volunteers to cover the entire national territory in terms of promoting blood donation. Only the financial means are missing for it.



Burundi

Level of RC/RC involvement: B

% National VNRBD: Unknown

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program

Blood program provision: Government

Coordination: National and regional

Fixed blood collection centres: 4

Blood testing/processing centres: 4

National authority for blood program activities: Yes

National Blood Transfusion Center

Technical standards for blood programs: No

N/A

National haemovigilance program: No

Blood program funding: Government

% VNRBD: Unknown

% Replacement donors: Unknown

% Paid donors: Unknown

% Other donor types: Unknown

National blood demand met: No

Plasma fractionation within the country: No

Common uses of blood: Gynaecology and Obstetrics, Internal Medicine and Surgery

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided



Africa

National Context

Population 12,889,576

GDP (USD) 3,073m

Human Development Low

HDI 0.426

HDI rank (of 191) 187

Life expectancy at birth 61.7

Median age 17.7

Maternal mortality ratio 548.0
(per 100,000 live births)

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities:

Involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: **No**

Blood donor recruitment and retention: **Yes**

- Strategy for blood donor recruitment and retention planning: No
- Donor recruitment and retention activity funding: Blood service
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: Detail not provided

Blood donor recruitment strategies:

Outreach / mobiles

Donor retention strategies:

Other: gifts during the JMD

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Not provided

Overall picture of the NS blood program scale and scope of activities:

Not provided



Cameroon

Level of RC/RC involvement: A2

% National VNRBD: 6.70%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Africa

National Context

Population 27,914,536

GDP (USD) 44,342m

Human Development Medium

HDI 0.576

HDI rank (of 191) 151

Life expectancy at birth 60.3

Median age 18.5

Maternal mortality ratio 529.0
(per 100,000 live births)

National Blood Program

Blood program provision: Ministry of Public Health

Coordination: National

Fixed blood collection centres: 58

Blood testing/processing centres: Not provided

National authority for blood program activities: Yes

Not provided

Technical standards for blood programs: Yes

Through the National Blood Transfusion Centre.

National haemovigilance program: Yes

Blood program funding: Government

% VNRBD: 6.70%

% Replacement donors: 93.30%

% Paid donors: 0%

% Other donor types: 0

National blood demand met: No

Plasma fractionation within the country: Yes

Common uses of blood: Gynaecology and obstetrics

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, Printing and disseminating materials, involvement in WBDD, Other



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Private organisations, partners
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: Detail not provided

Blood donor recruitment strategies: Yes

Outreach / mobiles, pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, businesses, radio / tv, social media

Donor retention strategies: Yes

Loyalty programs, Personalised SMS/email, booking service when donating

National Society Activities

**Blood collection and processing****Blood donor interview:** Yes**Blood collection:** No

- Proportion (%) of the overall national blood supply: N/A
- Number of fixed collection sites: N/A
- Proportion (%) whole blood collections donated at fixed collection sites: N/A
- Total number of individual donors who made a whole blood and/or apheresis donation: N/A
- Number of new donors: N/A
- Number of repeat / regular donors: N/A
- Total number of collections: N/A
- Number of whole blood collections: N/A
- Number of plasmapheresis collections: N/A
- Number of plateletpheresis collections: N/A
- Number of red cell apheresis collections: N/A
- Number of other collection types: N/A
- Percentage (%) voluntary non-remunerated blood donors for all collection types: N/A

Processing of blood into separate components: No**Pathogen reduction of any blood components:** No**Blood screening tests:** No**Post donation counselling of blood screening test results:** No**Pre-transfusion testing****Distribution of blood to hospitals / clinics:** No**Crossmatching / compatibility testing for transfusion:** No**Transfusion of blood products:** No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- | | |
|--|-------------------------------|
| • Therapeutic collection of whole blood / plasma: No | • Solid organ transplants: No |
| • Cord blood banking: No | • Cornea: No |
| • Peripheral blood stem cells: No | • Other biomedical: No |
| • Bone marrow: No | • Other: No |



National Society background

Structure of your NS blood program activities:

- Not provided
- Not provided

Relevant history for your NS blood program establishment:

The Cameroonian Red Cross has been collaborating for almost 2 years with two partners, namely the associations living in the village and club 25 of the Faculty of Medicine and Biomedical Sciences of the University of Yaoundé 1. These two actors have good experience in the activities community mobilization of voluntary blood donors. This collaboration allows the Cameroonian Red Cross to increasingly extend its areas of intervention.

The Cameroonian Red Cross has strengthened its collaboration with health facilities with blood banks and is increasingly called upon to support its health facilities during blood donation campaigns. This allowed the NS to gain more experience in blood donation activities

Overall picture of the NS blood program scale and scope of activities:

CRC operates a hospital which :

- On transfusion: Conducts transfusion of blood products for its patients
- On screening: Requests blood products from a blood bank and redo the TTI screening on the blood pouches (4 TTI markers) in addition to re-doing the blood grouping.
- On compatibility testing: Does an additional crossmatch in addition to the crossmatching and compatibility test done by the blood bank for the intended recipient.

*Additionally, on counselling post screening related matters:

- if the CRC hospital has staff on loan for blood collection activities by another health center or blood bank (which seldom occurs), they participate in initial counselling and referral (for further testing, counselling and follow-up at designated centres) as pre-donation screening (rapid tests) are done on prospective donors.



Cape Verde

Africa

National Context

Level of RC/RC involvement: **B**

% National VNRBD: Not provided

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population	593,149
GDP (USD)	2,315m
Human Development	Medium
HDI	0.662
HDI rank (of 191)	128
Life expectancy at birth	74.1
Median age	/
Maternal mortality ratio	58.0
(per 100,000 live births)	

National Blood Program

Blood program provision: Government of Cape Verde through the Ministry of Health

Coordination: National

Fixed blood collection centres: Number not provided

Blood testing/processing centres: Number not provided

National authority for blood program activities: Yes

National Blood Transfusion Center or Blood Bank / Ministry of Health

Technical standards for blood programs: Yes

Details not provided

National haemovigilance program: Yes

Blood program funding: Financing through the Government of Cape Verde through the Ministry of Health

% VNRBD: Not provided

% Replacement donors: Not provided

% Paid donors: Not provided

% Other donor types: Not provided

National blood demand met: No

Plasma fractionation within the country: Yes

Common uses of blood: Unknown

Significant challenges: Help or support for the National Society to exercise its role as an Assistant to Public Authorities in state affairs for its National Blood Program.

Relevant history / significant changes/impacts:

Ability to respond to the challenges that the Ministry of Health faces on a daily basis instead of resorting to calls for action via the media.

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, Printing and disseminating materials, involvement in WBDD, Other: Campaign to raise awareness of blood collection in communities with health authorities -
Lectures on the importance of blood donation with youth associations



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: No
- Donor recruitment and retention activity funding: National Society
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: 57

Blood donor recruitment strategies:

Targeting youth, volunteer engagement, Other: Participation of volunteers in campaigns aimed at young people

Donor retention strategies:

Other: Program to raise awareness of the importance of blood donation

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Lack of data

Overall picture of the NS blood program scale and scope of activities:

The National Society does not have a capable and autonomous structured donation service to be able to carry out any type of activity related to blood treatment



Central African Republic

Africa

National Context

Level of RC/RC involvement: B

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population	5,579,144
GDP (USD)	2,383m
Human Development	Low
HDI	0.404
HDI rank (of 191)	188
Life expectancy at birth	53.9
Median age	20
Maternal mortality ratio	829.0
(per 100,000 live births)	

National Blood Program

Blood program provision: CAR National Blood Transfusion Center, Bangui

Coordination: National

Fixed blood collection centres: 1 in Bangui

Blood testing/processing centres: 0

National authority for blood program activities: Yes

CAR National Blood Transfusion Center, Bangui

Technical standards for blood programs: Yes

There are standard procedures that are used. Certification of the center has not yet taken place

National haemovigilance program: No

Blood program funding: The state budget and donations as well as families in certain cases

% VNRBD: 100%

% Replacement donors:

% Paid donors:

% Other donor types:

National blood demand met: No

Plasma fractionation within the country: Yes

Common uses of blood: Maternal/child health and trauma

Significant challenges: 1) promoting donations; 2) Blood separation (absence of blood bag separation equipment); 3) Insufficiency of qualified personnel to multiply the structures at the health region and district level; 4) Insufficient equipment and infrastructure for this decentralization of the center to be close to the population and cover the entire territory.

Relevant history / significant changes/impacts: Urgent need for resources to ensure decentralization at the regional and district level as soon as possible, starting at least with the regions

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, Involvement in World Blood Donor Day, Other: CRCA volunteers as community relays raise awareness in their communities to donate blood.



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Blood service, Government, Partners
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: Not documented

Blood donor recruitment strategies:

Outreach / mobiles, Volunteer engagement, Schools / university engagement,

Donor retention strategies:

Other: Raising donor awareness, creating clubs as a sub-component of the national donor federation

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

No

Overall picture of the NS blood program scale and scope of activities:

Need resources to set up an awareness, recruitment and retention program for blood donors in partnership with the national blood transfusion center of the CAR and its branches at the peripheral level.



Africa National Context

Level of RC/RC involvement: **B**

% National VNRBD: 7.95%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 17,723,315

GDP (USD) 12,704m

Human Development Low

HDI 0.394

HDI rank (of 191) 190

Life expectancy at birth 52.5

Median age 16.1

Maternal mortality ratio 1140.0
(per 100,000 live births)

National Blood Program

Blood program provision: Ministère de la Santé Publique et de la prévention

Coordination: National

Fixed blood collection centres: 90

Blood testing/processing centres: Not provided

National authority for blood program activities: Yes

Directeur du centre National de transfusion sanguine

Technical standards for blood programs: Yes

Protocole nationale

National haemovigilance program: No

Blood program funding: State subsidy and some technical and financial partners

% VNRBD: 7.95%

% Replacement donors: 92.05%

% Paid donors: N/A

% Other donor types: N/A

National blood demand met: Yes

Plasma fractionation within the country: Yes

Common uses of blood: Maternal and child health/Public road accident

Significant challenges: 1- Ability to increase collections; 2 - Maintain and improve VNRBD rates; 3 - Intensify media campaigns and local awareness raising; 4- Continue and intensify mobile collections; 5- Ensure 100% screening of blood bags for four markers; 6- Human resourcing ; 7- Increase and improve the production of derivatives; 8- Guaranteeing the quality of the blood produced in the regions; 9- Train / retrain transfusion personnel; 10- Ensuring a sustainable supply of reagents from the CNTS external laboratory.

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, Involvement in WBDD, Other: The NS does not have a blood donation program as such but through its health department it participates in the world day and the day of May 8 to mobilize volunteers and make a blood donation to the program and many hospitals



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: No
- Donor recruitment and retention activity funding: National Society
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: Hundreds of SN volunteers available each year to donate blood across the country

Blood donor recruitment strategies:

Outreach / mobiles, volunteer engagement, schools / university engagement, targeting youth, radio / tv, other: All social mobilization strategies through our district committees and the different branches of the SN

Donor retention strategies:

Donor clubs

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

As an auxiliary to the public authorities, the SN has contributed to the establishment of the national blood transfusion program

Overall picture of the NS blood program scale and scope of activities:

Until now the SN has held the vice presidency of the board of directors of the national blood transfusion center



Comoros

Not verified

Level of RC/RC involvement: C

% National VNRBD: 10.00%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program

Blood program provision: Ministry of Health

Coordination: National and regional

Fixed blood collection centres: 6

Blood testing/processing centres: Not provided

National authority for blood program activities: Yes

Details not provided

Technical standards for blood programs: Not provided

N/A

National haemovigilance program: Not provided

Blood program funding: Not provided

% VNRBD: 10.00%

% Replacement donors: 90.00%

% Paid donors:

% Other donor types:

National blood demand met: Not provided

Plasma fractionation within the country: Not provided

Common uses of blood: Gynaecology and Obstetrics

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

Africa

National Context

Population 836,774

GDP (USD) 1,243m

Human Development Medium

HDI 0.558

HDI rank (of 191) 156

Life expectancy at birth 63.4

Median age /

Maternal mortality ratio 273.0
(per 100,000 live births)



National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: **Yes**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: Details not provided



Congo, Democratic Republic of

Africa

National Context

Level of RC/RC involvement: B

% National VNRBD: 33.70%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 99,010,212

GDP (USD) 58,066m

Human Development Low

HDI 0.479

HDI rank (of 191) 179

Life expectancy at birth 59.2

Median age 16.7

Maternal mortality ratio 473.0
(per 100,000 live births)

National Blood Program

Blood program provision: Government: which ensures policy and standards, national transfusion program: technical body, transfusion structure, red cross: donor mobilization body and other partners

Coordination: National and regional

Fixed blood collection centres: 876

Blood testing/processing centres: Not provided

National authority for blood program activities: Yes

Details not provided

Technical standards for blood programs: Yes

Details not provided

National haemovigilance program: Not provided

Blood program funding: Not provided

% VNRBD: 33.70%

% Replacement donors: 58.70%

% Paid donors: 7.60%

% Other donor types:

National blood demand met: No

Plasma fractionation within the country: Not provided

Common uses of blood: Mother and children

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Involvement in World Blood Donor Day, Other: Mass awareness through megaphone and door to door.



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: No
- Donor recruitment and retention activity funding: Private organisations
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: 40 or more donors recruited by donation. However, we make up to 200 donations per year.

Blood donor recruitment strategies:

Outreach / mobiles, Volunteer engagement, Schools / university engagement, Targeting youth, Other: commitment also at the church level

Donor retention strategies:

Donor clubs, Loyalty programs / gifts, Personalised SMS / email (thank you or reminder to donate), Booking system when donating, Other: Organization of donor celebration days and rewarding donors

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

We had already carried out a project called Transfusion Safety, with a database of volunteer donors. In fact, it was a tripartite project which took into account the National Blood Transfusion Center which is an organ of the Ministry of Health for the analyses, the Red Cross for the mobilization or recruitment of voluntary blood donors and the reference centers in blood transfusion for transfusion.

Overall picture of the NS blood program scale and scope of activities:

Our wish is that our national society in the DRC acquires a blood bank so that after awareness raising and blood collection, analyzes can follow.



Congo, Republic of the

Not verified (did not respond)

Level of RC/RC involvement: **B**

% National VNRBD: 41%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Africa

National Context

Population 5,970,424

GDP (USD) 14,616m

Human Development Medium

HDI 0.571

HDI rank (of 191) 153

Life expectancy at birth 63.5

Median age 19.5

Maternal mortality ratio 378.0
(per 100,000 live births)

National Blood Program

Blood program provision: Ministry of Health

Coordination: Unknown

Fixed blood collection centres: 36

Blood testing/processing centres: Unknown

National authority for blood program activities: Yes

Details not provided

Technical standards for blood programs: No

N/A

National haemovigilance program: Yes

Blood program funding: Government

% VNRBD: 41%

% Replacement donors: 59%

% Paid donors: 0%

% Other donor types: 0

National blood demand met: Unknown

Plasma fractionation within the country: Unknown

Common uses of blood: Paediatrics

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Involvement in World Blood Donor Day, educating donors on healthy, risk-free behaviours. Mobilizing blood donors through volunteers



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Unknown
- Donor recruitment and retention activity funding: Unknown
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: Unknown

Blood donor recruitment strategies:

Unknown

Donor retention strategies:

Unknown

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Unknown

Overall picture of the NS blood program scale and scope of activities:

Unknown



Côte D'Ivoire

Africa

National Context

Level of RC/RC involvement: A2

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 28,160,542

GDP (USD) 70,019m

Human Development Medium

HDI 0.55

HDI rank (of 191) 159

Life expectancy at birth 58.6

Median age 20.3

Maternal mortality ratio 617.0
(per 100,000 live births)

National Blood Program

Blood program provision: It is the Ministry of Health through the CNTS (national blood transfusion center)

Coordination: National and regional

Fixed blood collection centres: 57 blood transfusion sites, 168 blood banks # Blood testing/processing centres: 4 blood analysis and treatment centers

National authority for blood program activities: Yes

This is the CNTS (national blood transfusion center)

Technical standards for blood programs: Yes

Voluntary, unpaid blood donation (<https://www.facebook.com/CNTS.RCI>)

National haemovigilance program: Yes

Blood program funding: Funding is done mainly by the government and sometimes partners and to a lesser extent by recovering the costs of services from patients.

% VNRBD: 100%

% Replacement donors: 0%

% Paid donors: 0%

% Other donor types: rarely

National blood demand met: No

Plasma fractionation within the country: Yes

Common uses of blood: Maternal and child health, public road accident (emergency/trauma),

Significant challenges: Insufficient national production of Blood and derivatives; absence of blood deposits in ESPCs (first contact health establishments) and emergency units; Insufficient training of prescribers and users of PSL (labile blood product); lack of traceability of PSLs in hospitals; insufficient budget allocated by the State to the CNTS

Relevant history / significant changes/impacts: Creation and operationalization of the site: ebanquedesang.ci

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Involvement in World Blood Donor Day, Other: organization of blood bag collection operations



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: National Society, partners
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: Detail not provided

Blood donor recruitment strategies: Yes

Outreach / mobiles, Volunteer engagement, Schools / university engagement, Targeting youth,

Donor retention strategies: Yes

Personalised SMS / email, Other: recognition diploma for regular volunteer donors

National Society Activities

**Blood collection and processing****Blood donor interview: Yes****Blood collection: No**

- Proportion (%) of the overall national blood supply: N/A
- Number of fixed collection sites: N/A
- Proportion (%) whole blood collections donated at fixed collection sites: N/A
- Total number of individual donors who made a whole blood and/or apheresis donation: N/A
- Number of new donors: N/A
- Number of repeat / regular donors: N/A
- Total number of collections: N/A
- Number of whole blood collections: N/A
- Number of plasmapheresis collections: N/A
- Number of plateletpheresis collections: N/A
- Number of red cell apheresis collections: N/A
- Number of other collection types: N/A
- Percentage (%) voluntary non-remunerated blood donors for all collection types: N/A

Processing of blood into separate components: No**Pathogen reduction of any blood components: No****Blood screening tests: No****Post donation counselling of blood screening test results: No****Pre-transfusion testing****Distribution of blood to hospitals / clinics: No****Crossmatching / compatibility testing for transfusion: No****Transfusion of blood products: No**

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: No
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: No



National Society background

Structure of your NS blood program activities:

- Not provided
- Not provided

Relevant history for your NS blood program establishment:

The Red Cross of Côte d'Ivoire (CRCI) is in partnership with the National Blood Transfusion Center (CNTS) through a memorandum of understanding which stipulates that the CRCI provides at least 2000 blood cells to the CNTS per year.

Overall picture of the NS blood program scale and scope of activities:

The CRCI received an honorary diploma in 2022 from the CNTS recognizing its full involvement as an actor in the fight against the shortage of blood products in Ivory Coast.



Djibouti

Level of RC/RC involvement: A2

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program



Africa

National Context

Population 1,120,849

GDP (USD) 3,515m

Human Development Low

HDI 0.509

HDI rank (of 191) 171

Life expectancy at birth 62.3

Median age 24.9

Maternal mortality ratio 248.0
(per 100,000 live births)

Blood program provision: Centre National de Transfusion Sanguine

Coordination: National

Fixed blood collection centres: 2

Blood testing/processing centres: 2

National authority for blood program activities: Yes

Ministry of Health,

Technical standards for blood programs: Yes

Law No. 48/AN/99/4th L on Health Policy Orientation

National haemovigilance program: No

Blood program funding: Not provided

% VNRBD: 100%

% Replacement donors:

% Paid donors:

% Other donor types:

National blood demand met: No

Plasma fractionation within the country: Not provided

Common uses of blood: Trauma and childbirth

Significant challenges: Yes, especially in the area of advice and monitoring

Relevant history / significant changes/impacts: Yes, mainly the families of the patients

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Involvement in WBDD



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: No
- Donor recruitment and retention activity funding: National Society, government
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: 20

Blood donor recruitment strategies: Yes

Outreach / mobiles, volunteer engagement

Donor retention strategies: Yes

Other: When the blood transfusion center of the Ministry of Health calls on us to mobilize or find a donor

National Society Activities

**Blood collection and processing****Blood donor interview:** Yes**Blood collection:** No

- Proportion (%) of the overall national blood supply: N/A
- Number of fixed collection sites: N/A
- Proportion (%) whole blood collections donated at fixed collection sites: N/A
- Total number of individual donors who made a whole blood and/or apheresis donation: N/A
- Number of new donors: N/A
- Number of repeat / regular donors: N/A
- Total number of collections: N/A
- Number of whole blood collections: N/A
- Number of plasmapheresis collections: N/A
- Number of plateletpheresis collections: N/A
- Number of red cell apheresis collections: N/A
- Number of other collection types: N/A
- Percentage (%) voluntary non-remunerated blood donors for all collection types: N/A

Processing of blood into separate components: No**Pathogen reduction of any blood components:** No**Blood screening tests:** No**Post donation counselling of blood screening test results:** No**Pre-transfusion testing****Distribution of blood to hospitals / clinics:** No**Crossmatching / compatibility testing for transfusion:** No**Transfusion of blood products:** No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: No
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: No



National Society background

Structure of your NS blood program activities:

- National
- Hospital based

Relevant history for your NS blood program establishment:

Blood donation activities are organized according to hospital requests.

Overall picture of the NS blood program scale and scope of activities:

Not provided.



Equatorial Guinea

Africa

National Context

Level of RC/RC involvement: C

% National VNRBD: Not provided

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 1,674,908

GDP (USD) 11,814m

Human Development Medium

HDI 0.596

HDI rank (of 191) 145

Life expectancy at birth 60.6

Median age 20.3

Maternal mortality ratio 301.0
(per 100,000 live births)

National Blood Program

Blood program provision: Government through the Ministry of Health

Coordination: Regional

Fixed blood collection centres: 6

Blood testing/processing centres: Not provided

National authority for blood program activities: Not provided N/A

Technical standards for blood programs: No N/A

National haemovigilance program: No

Blood program funding: Not provided

% VNRBD: Not provided

% Replacement donors: Not provided

% Paid donors: Not provided

% Other donor types: Not provided

National blood demand met: No

Plasma fractionation within the country: No

Common uses of blood: Not provided

Significant challenges: Anaemia is prevalent, however attracting blood donors is difficult, therefore the hospital is seriously short of blood.

Relevant history / significant changes/impacts:

In 1916, the Red Cross of Equatorial Guinea, asked the AGEM agency for financial support in order to raise awareness among the various neighboring communities and mobilize them for active blood donation, which was a success. The Red Cross on the ground did not change the donor motivation system and continued with the same process. The mini-project lasted three months of trial with funding of 2,000,000 FCFA and with the participation of 20 volunteers who would raise awareness in the community of the risk of blood shortage and the importance of blood donation.

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Awareness for active blood donation



Donor recruitment and retention

Provision of pre and post donation care information to donors: **No**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: Details not provided



Eswatini, Kingdom of

Africa

National Context

Level of RC/RC involvement: D

% National VNRBD: 55.00%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 1,201,670

GDP (USD) 4,854m

Human Development Medium

HDI 0.597

HDI rank (of 191) 144

Life expectancy at birth 57.1

Median age 23.7

Maternal mortality ratio /
(per 100,000 live births)

National Blood Program

Blood program provision: Eswatini National Blood Transfusion Service (ENBTS) under Ministry of Health

Coordination: National

Fixed blood collection centres: 3

Blood testing/processing centres: 1

National authority for blood program activities: Yes

Ministry of Health

Technical standards for blood programs: Yes

African Society of Blood Transfusions

National haemovigilance program: No

Blood program funding: Government

% VNRBD: 55.00%

% Replacement donors: 45.00%

% Paid donors: 0%

% Other donor types: 0%

National blood demand met: No

Plasma fractionation within the country: Yes

Common uses of blood: Internal Medicine

Significant challenges: Transport, Meeting the demands for blood in Hospitals, Human resources recruitment, Fuel crisis in the country

Relevant history / significant changes/impacts:

1. The ENBTS through support from WHO has engaged the AfSBT to conduct a baseline audit to assess readiness for accreditation. The audit was successfully conducted, and the blood transfusion service is currently working toward addressing the identified gaps.
2. Increased network, relationship brought in more awareness on the importance of voluntary blood donation. The level of public awareness has escalated.
3. The relationship with churches attracted the invitation to Tinkhundla and we managed to reach out to Imiphakatsi/Communities as well, with positive response.
4. Adult population accepting of visits for donation after previously being resistant and ENBTS relying on school children for donations.

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities: No



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: In 2023, the NS has initiated some meetings with the NBTS of Eswatini courtesy Belgian Red Cross Fla and Finnish Red Cross (ECHO PPP funding) to at least do the Blood donor mobilization in 2023 - going forward.

Overall picture of the NS blood program scale and scope of activities: In May 2023, the NS will map out key Blood Donor Mobilization activities in collaboration with the MoH.



Ethiopia

Not verified

Level of RC/RC involvement: D

% National VNRBD: 98%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program

Blood program provision: National Blood Bank Service (Federal Ministry of Health)

Coordination: National

Fixed blood collection centres: 25

Blood testing/processing centres: Not provided

National authority for blood program activities: Yes

Ethiopian Food and Drug Authority (EFDA)

Technical standards for blood programs: Yes

Details not provided

National haemovigilance program: No

Blood program funding: Not provided

% VNRBD: 98%

% Replacement donors: 2%

% Paid donors:

% Other donor types:

National blood demand met: No

Plasma fractionation within the country: Not provided

Common uses of blood: Not provided

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

Africa

National Context



Population 123,379,924

GDP (USD) 126,783m

Human Development Low

HDI 0.498

HDI rank (of 191) 175

Life expectancy at birth 65

Median age 19.8

Maternal mortality ratio 401.0
(per 100,000 live births)

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities: No



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: The National Blood Transfusion Services (NBTS) was established in 1969 by Ethiopian Red Cross society and was transferred to Federal Ministry of Health Ethiopia in 2004.

Overall picture of the NS blood program scale and scope of activities: Not provided



Gabon

Level of RC/RC involvement: D

% National VNRBD: 30%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program



Africa

National Context

Population 2,388,992

GDP (USD) 21,072m

Human Development High

HDI 0.706

HDI rank (of 191) 112

Life expectancy at birth 65.8

Median age 21

Maternal mortality ratio 252.0
(per 100,000 live births)

Blood program provision: National Blood Transfusion Center (CNTS), hospital structures, private organizations

Coordination: National

Fixed blood collection centres: 4

Blood testing/processing centres: Not provided

National authority for blood program activities: Yes CNTS

Technical standards for blood programs: No N/A

National haemovigilance program: No

Blood program funding: Government, Renewal of service costs with patients/insurers

% VNRBD: 30%

% Replacement donors: 70%

% Paid donors:

% Other donor types:

National blood demand met: No

Plasma fractionation within the country: No

Common uses of blood: Maternal and child health, trauma and cancer

Significant challenges: The epidemiological profile of the country being predominated by infectious diseases (e.g. malaria) and the low participation of the populations in terms of blood donation

Relevant history / significant changes/impacts: The high prevalence of infectious diseases, the risks associated with hemorrhage during childbirth and the demotivation of populations to donate blood voluntarily

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities: No



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: Access to a blood bag at the right time is still a major public health problem, especially in the hinterland. With regard to the epidemiological determinants of the country and particularly among children under 5 and pregnant women. The CRG, in collaboration with health actors, must put in place strategies that will enable populations to have easier access to blood bags.

Overall picture of the NS blood program scale and scope of activities: Not provided



Gambia, Republic of the

Africa

National Context

Level of RC/RC involvement: **B**

% National VNRBD: 11%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 2705992

GDP (USD) 2,273m

Human Development Low

HDI 0.5

HDI rank (of 191) 174

Life expectancy at birth 62.1

Median age 21.8

Maternal mortality ratio 597.0
(per 100,000 live births)

National Blood Program

Blood program provision: National Blood Transfusion Services (Ministry of Health)

Coordination: National

Fixed blood collection centres: 10

Blood testing/processing centres: 10

National authority for blood program activities: Yes

Details not provided

Technical standards for blood programs: Yes

Details not provided

National haemovigilance program: No

Blood program funding: Government

% VNRBD: 11%

% Replacement donors: 89%

% Paid donors: 0%

% Other donor types: 0%

National blood demand met: Not provided

Plasma fractionation within the country: Not provided

Common uses of blood: Women and children - pregnancy related complications, childhood severe anaemia due to malaria, and trauma

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities B



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, Involvement in World Blood Donor Day, Other: Volunteers conduct community Social mobilization on the importance of blood donation and its need at various level



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- | | |
|--|--|
| • Strategy for blood donor recruitment and retention planning: Yes | • Paid positions (staff) for donor recruitment and retention: No |
| • Donor recruitment and retention activity funding: National Society, Government, Partners | • Number of donors recruited / registered to donate by the NS: 3,474 |

Blood donor recruitment strategies:

Outreach / mobiles, Pre-donation education talks / seminars, Volunteer engagement, Schools / university engagement, Targeting youth, businesses, Radio / tv, Social media

Donor retention strategies:

Donor clubs, Loyalty programs, Other: WhatsApp groups on Blood donation

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Not provided

Overall picture of the NS blood program scale and scope of activities:

Not provided



Ghana

Level of RC/RC involvement: **B**

% National VNRBD: 26%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program



Africa

National Context

Population 33,475,870

GDP (USD) 72,839m

Human Development Medium

HDI 0.632

HDI rank (of 191) 133

Life expectancy at birth 63.8

Median age 21.4

Maternal mortality ratio 308.0
(per 100,000 live births)

Blood program provision: Ghana National Blood Service, overseen by the Ghana Ministry of Health

Coordination: National

Fixed blood collection centres: 3

Blood testing/processing centres: 3

National authority for blood program activities: Yes

Details not provided

Technical standards for blood programs: Yes

Details not provided

National haemovigilance program: Yes

Blood program funding: Not provided

% VNRBD: 26%

% Replacement donors: Not provided

% Paid donors: Not provided

% Other donor types: Not provided

National blood demand met: Not provided

Plasma fractionation within the country: Not provided

Common uses of blood: Not provided

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, involvement in WBDD



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Private organisations
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 0

Blood donor recruitment strategies:

Volunteer engagement; social media; schools / university engagement

Donor retention strategies:

Other: During NS core activities and programmes

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Not provided

Overall picture of the NS blood program scale and scope of activities:

Only 3 regions embarked on blood donation exercise (Western, Bono and Upper West Region)



Guinea

Level of RC/RC involvement: **B**

% National VNRBD: Not provided

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program



Africa

National Context

Population 13,859,341

GDP (USD) 21,228m

Human Development Low

HDI 0.465

HDI rank (of 191) 182

Life expectancy at birth 58.9

Median age 19.1

Maternal mortality ratio 576.0
(per 100,000 live births)

Blood program provision: the National Director and the Deputy Director of the CNTS

Coordination: National and regional

Fixed blood collection centres: Yes at the level of the prefectural and regional hospitals of the country

Blood testing/processing centres: Yes, blood transfusion unit in each hospital

National authority for blood program activities: Yes The Ministry of Health through the CNTS

Technical standards for blood programs: Yes The national voluntary blood donation policy

National haemovigilance program: Yes

Blood program funding: Through the State and its partners

% VNRBD: No information % Replacement donors: No information % Paid donors: No information % Other donor types: No information

National blood demand met: No Plasma fractionation within the country: No

Common uses of blood: HIV patients, Cancers, trauma and maternal and child health.

Significant challenges: Yes

Relevant history / significant changes/impacts: Not for the moment.

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Involvement in World Blood Donor Day, Other: Organization of voluntary blood donation campaigns through our 38 blood donor clubs in the country



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Blood service, NS, Partners
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: 5,875 volunteers and members of the Guinean Red Cross

Blood donor recruitment strategies:

Outreach / mobiles, Volunteer engagement, Schools / university engagement, Targeting youth

Donor retention strategies:

Donor clubs, Loyalty programs / gifts, Booking system when donating



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

The Guinean Red Cross intends to promote voluntary blood donation throughout the national territory in order to reduce the impact linked to the lack of blood in health structures.

Overall picture of the NS blood program scale and scope of activities:

The CRG needs technical and financial support to facilitate the implementation of its ambitions linked to the promotion of voluntary blood donation.





Guinea-Bissau

Africa

National Context

Level of RC/RC involvement: **B**

% National VNRBD: 8,26

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 2,105,566

GDP (USD) 1,634m

Human Development Low

HDI 0.483

HDI rank (of 191) 177

Life expectancy at birth 59.7

Median age 18

Maternal mortality ratio 667.0
(per 100,000 live births)

National Blood Program

Blood program provision: National blood center of the Ministry of Health

Coordination: National

Fixed blood collection centres: 10

Blood testing/processing centres: 1

National authority for blood program activities: Yes

National blood center of the Ministry of Health

Technical standards for blood programs: No

National haemovigilance program: No

Blood program funding: OMS

% VNRBD: 8,26

% Replacement donors: 91,74

% Paid donors:

% Other donor types:

National blood demand met: No

Plasma fractionation within the country: No

Common uses of blood: Health/maternal and child, trauma

Significant challenges: Yes disasters risks of infectious diseases

Relevant history / significant changes/impacts: No

National Society Activities B



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- | | |
|---|---|
| • Strategy for blood donor recruitment and retention planning: No | • Paid positions (staff) for donor recruitment and retention: No |
| • Donor recruitment and retention activity funding: Partners | • Number of donors recruited / registered to donate by the NS: 50 |

Blood donor recruitment strategies:

Outreach / mobiles, Pre-donation education talks / seminars, Volunteer engagement, Schools / university engagement, Targeting youth, businesses, Radio / tv, Social media

Donor retention strategies:

Loyalty programs / gifts

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Not provided

Overall picture of the NS blood program scale and scope of activities:

Not provided



Kenya

Level of RC/RC involvement: B

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program



Africa

National Context

Population 54,027,487

GDP (USD) 113,420m

Human Development Medium

HDI 0.575

HDI rank (of 191) 152

Life expectancy at birth 61.4

Median age 20

Maternal mortality ratio 342.0
(per 100,000 live births)

Blood program provision: Kenya Tissue and Transplant Authority (KTTA)

Coordination: National and regional

Fixed blood collection centres: 33

Blood testing/processing centres: Not provided

National authority for blood program activities: Yes

Ministry of Health

Technical standards for blood programs: Yes

<https://www.ktta.go.ke/downloads/>

National haemovigilance program: Yes

Blood program funding: Government, partners

% VNRBD: 100%

% Replacement donors:

% Paid donors:

% Other donor types:

National blood demand met: No

Plasma fractionation within the country: Not provided

Common uses of blood: Not provided

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, involvement in WBDD, printing and disseminating materials



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: National Society; Partners
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: Detail not provided

Blood donor recruitment strategies:

Pre-donation talks / seminars; volunteer engagement; radio / TV; Social Media; schools / university engagement

Donor retention strategies:

Detail not provided

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Not provided

Overall picture of the NS blood program scale and scope of activities:

Not provided



Lesotho

Level of RC/RC involvement: D

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program



Africa

National Context

Population 2,305,825

GDP (USD) 2,553m

Human Development Low

HDI 0.514

HDI rank (of 191) 168

Life expectancy at birth 53.1

Median age 24.7

Maternal mortality ratio 544.0
(per 100,000 live births)

Blood program provision: Not for profit organisations: Lesotho Blood Transfusion Services

Coordination: National

Fixed blood collection centres: 1

Blood testing/processing centres: 18

National authority for blood program activities: Yes

National Blood Transfusion Committee

Technical standards for blood programs: Yes

National Blood Transfusion Policy 2006

National haemovigilance program: Yes

Blood program funding: Government(Ministry of Health)

% VNRBD: 100%

% Replacement donors: Unknown

% Paid donors: N/A

% Other donor types: Unknown

National blood demand met: Unknown

Plasma fractionation within the country: Yes

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities: No



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided



Liberia

Level of RC/RC involvement: D

% National VNRBD: 10%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program



Africa

National Context

Population 5,302,681

GDP (USD) 4,001m

Human Development Low

HDI 0.481

HDI rank (of 191) 178

Life expectancy at birth 60.7

Median age 18

Maternal mortality ratio 661.0
(per 100,000 live births)

Blood program provision: Ministry of health and the National Blood safety program

Coordination: National and regional

Fixed blood collection centres: 2

Blood testing/processing centres: 2

National authority for blood program activities: Yes

National blood safety program

Technical standards for blood programs: Yes

National blood safety guideline

National haemovigilance program: No

Blood program funding: Government, USAID/R4D, Global fund,

% VNRBD: 10%

% Replacement donors: 90%

% Paid donors: Unknown

% Other donor types: Unknown

National blood demand met: No

Plasma fractionation within the country: No

Common uses of blood: Maternal Child Health & Trauma

Significant challenges: Change in donor behavior, Infectious disease risk,

Relevant history / significant changes/impacts: Change or move from paid donor to Volunteer Non paid Donor

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities: No



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided



Madagascar

Level of RC/RC involvement: C

% National VNRBD: 20%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Africa

National Context

Population 29,611,714

GDP (USD) 14,955m

Human Development Low

HDI 0.501

HDI rank (of 191) 173

Life expectancy at birth 64.5

Median age 20.3

Maternal mortality ratio 335.0
(per 100,000 live births)

National Blood Program

Blood program provision: Government, Red Cross

Coordination: National and regional

Fixed blood collection centres: 23

Blood testing/processing centres: Not provided

National authority for blood program activities: Yes

Ministère de la Santé/Centre national de transfusion sanguine

Technical standards for blood programs: Yes

Politique nationale de transfusion sous l'égide du DTS

National haemovigilance program: No

Blood program funding: Not provided

% VNRBD: 20%

% Replacement donors: 80%

% Paid donors:

% Other donor types:

National blood demand met: No

Plasma fractionation within the country: No

Common uses of blood: Trauma, surgery, hematological problem (blood cancer, sickle cell disease, thalassemia, etc.) kidney failure

Significant challenges: Not provided

Relevant history / significant changes/impacts: No

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Malagasy international red cross day celebration



Donor recruitment and retention

Provision of pre and post donation care information to donors: **No**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: **No**

Overall picture of the NS blood program scale and scope of activities: Details not provided



Malawi

Level of RC/RC involvement: **B**

% National VNRBD: 83%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program



Africa

National Context

Population 20,405,317

GDP (USD) 13,165m

Human Development Low

HDI 0.512

HDI rank (of 191) 169

Life expectancy at birth 62.9

Median age 16.8

Maternal mortality ratio 349.0
(per 100,000 live births)

Blood program provision: Malawi Blood Transfusion Service (MBTS)

Coordination: Not provided

Fixed blood collection centres: Not provided

Blood testing/processing centres: Not provided

National authority for blood program activities: Yes

Details not provided

Technical standards for blood programs: Yes

Details not provided

National haemovigilance program: Yes

Blood program funding: Not provided

% VNRBD: 83%

% Replacement donors: 17%

% Paid donors: 0

% Other donor types: 0

National blood demand met: Not provided

Plasma fractionation within the country: Not provided

Common uses of blood: Cancer, child illness, trauma, maternal health

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Printing and disseminating materials, Involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- | | |
|--|--|
| • Strategy for blood donor recruitment and retention planning: Yes | • Paid positions (staff) for donor recruitment and retention: No |
| • Donor recruitment and retention activity funding: National Society, Partners | • Number of donors recruited / registered to donate by the NS: 19427(9529 M & 9898F) |

Blood donor recruitment strategies:

Outreach / mobiles, Pre-donation education talks / seminars, Volunteer engagement, Schools / university engagement, Targeting youth, Radio / tv,

Donor retention strategies:

Personalised SMS / email, Other: provision of awards to repeat donors

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Malawi Red Cross is the only key partner to the Malawi Blood Transfusion Service on Blood Donor mobilization

Overall picture of the NS blood program scale and scope of activities:

National society has facilitated Establishment of Blood Donor Management Technical Working Group at National Level and Blood Donor Recruit is a subcommittee under this working Group. The National Society is also institutionalising Blood Donor Recruitment in its program.



Level of RC/RC involvement: C

% National VNRBD: Unknown

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program



Africa

National Context

Population	22,593,590
GDP (USD)	18,827m
Human Development	Low
HDI	0.428
HDI rank (of 191)	186
Life expectancy at birth	58.9
Median age	16
Maternal mortality ratio (per 100,000 live births)	562.0

Blood program provision: Centre National de Transfusion Sanguine (CNTS)

Coordination: National and regional

Fixed blood collection centres: Not provided

Blood testing/processing centres: Not provided

National authority for blood program activities: Not provided Not provided

Technical standards for blood programs: Not provided Not provided

National haemovigilance program: Not provided

Blood program funding: It is a State structure attached to the Ministry of Health

% VNRBD: Unknown

% Replacement donors: Unknown

% Paid donors: Unknown

% Other donor types: Unknown

National blood demand met: Not provided

Plasma fractionation within the country: Not provided

Common uses of blood: The ill

Significant challenges: Increase the number of donors to compensate for shortages

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Mali occasionally organise activities during certain events such as the movement's commemorative festivals.

Community education is through community awareness activities on health in general, not specifically blood donation.



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: No

Overall picture of the NS blood program scale and scope of activities: In all blood donation activities, it is the national blood transfusion center which carries out the collection and all other aspects related to blood products.



Mauritania

Level of RC/RC involvement: **B**

% National VNRBD: 35%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program



Africa

National Context

Population 4,736,139

GDP (USD) 10,375m

Human Development Medium

HDI 0.556

HDI rank (of 191) 158

Life expectancy at birth 64.4

Median age 21

Maternal mortality ratio 766.0
(per 100,000 live births)

Blood program provision: Centre nationale de transfusion sanguine

Coordination: National

Fixed blood collection centres: 1

Blood testing/processing centres: Many

National authority for blood program activities: Yes

Le Centre Nationale de transfusion sanguine relevant du ministère de la santé

Technical standards for blood programs: Not provided

Not provided

National haemovigilance program: No

Blood program funding: Via the Ministry of Health and its partners

% VNRBD: 35%

% Replacement donors: 65%

% Paid donors:

% Other donor types:

National blood demand met: Not provided

Plasma fractionation within the country: Not provided

Common uses of blood: Cancer, trauma and maternal child health patients

Significant challenges: There are challenges in particular on the very low rate of donors

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Printing and disseminating materials, involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: Yes

- | | |
|--|--|
| • Strategy for blood donor recruitment and retention planning: No | • Paid positions (staff) for donor recruitment and retention: No |
| • Donor recruitment and retention activity funding: National Society | • Number of donors recruited / registered to donate by the NS: Detail not provided |

Blood donor recruitment strategies:

Outreach / mobiles, targeting youth, volunteer engagement

Donor retention strategies:

Donor clubs, loyalty programs / gifts

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Yes . The CRM was one of the major blood donors in the country through its network of volunteers at the national level,

Overall picture of the NS blood program scale and scope of activities:

Not provided



Mauritius

Not verified (did not respond)

Level of RC/RC involvement: D

% National VNRBD: 92%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program



Africa

National Context

Population 1,262,523

GDP (USD) 12,898m

Human Development Very High

HDI 0.802

HDI rank (of 191) 63

Life expectancy at birth 73.6

Median age 17

Maternal mortality ratio 61.0
(per 100,000 live births)

Blood program provision: National Blood Transfusion Service of Mauritius

Coordination: Unknown

Fixed blood collection centres: 4

Blood testing/processing centres: Unknown

National authority for blood program activities: Unknown

Technical standards for blood programs: Yes

National haemovigilance program: Yes

Blood program funding: Unknown

% VNRBD: 92%

% Replacement donors: 7.8%

% Paid donors: 0%

% Other donor types: 0.20%

National blood demand met: Unknown

Plasma fractionation within the country: Unknown

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities: No



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided



Mozambique

Not verified (did not respond)

Level of RC/RC involvement: C

% National VNRBD: 49%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Africa

National Context

Population 32,969,518

GDP (USD) 17,851m

Human Development Low

HDI 0.446

HDI rank (of 191) 185

Life expectancy at birth 59.3

Median age 17

Maternal mortality ratio 289.0
(per 100,000 live births)

National Blood Program

Blood program provision: National Blood Transfusion Program (PNTS)

Coordination: Unknown

Fixed blood collection centres: Unknown

Blood testing/processing centres: Unknown

National authority for blood program activities: Yes

National Blood Service (SENASA)

Technical standards for blood programs: Unknown

Unknown

National haemovigilance program: Yes

Blood program funding: Unknown

% VNRBD: 49%

% Replacement donors: 51%

% Paid donors: 0%

% Other donor types: 0

National blood demand met: Unknown

Plasma fractionation within the country: Unknown

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Details unknown



Donor recruitment and retention

Provision of pre and post donation care information to donors: **No**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: Details not provided



Namibia

Level of RC/RC involvement: C

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program



Africa

National Context

Population 2,567,012

GDP (USD) 12,607m

Human Development Medium

HDI 0.615

HDI rank (of 191) 139

Life expectancy at birth 59.3

Median age 21.8

Maternal mortality ratio 195.0
(per 100,000 live births)

Blood program provision: Blood Transfusion Service of Namibia (NAMBTS)

Coordination: National

Fixed blood collection centres: 6

Blood testing/processing centres: 1

National authority for blood program activities: Yes

See page 16 for structure, https://cdn.who.int/media/docs/default-source/biologicals/blood-products/document-migration/nbpolicyNamibiaApril09.pdf?sfvrsn=53a57ee4_3

Technical standards for blood programs: Yes

https://cdn.who.int/media/docs/default-source/biologicals/blood-products/document-migration/nbpolicyNamibiaApril09.pdf?sfvrsn=53a57ee4_3

National haemovigilance program: Yes

Blood program funding: Service cost recovery from patients

% VNRBD: 100%

% Replacement donors: N/A

% Paid donors: N/A

% Other donor types: N/A

National blood demand met: Yes

Plasma fractionation within the country: Yes

Common uses of blood: Casualty, Maternity and Cancer Cases.

Significant challenges: Only 1% of national population are active donors, need for more apheresis donors as only once centre in the country is equipped to carry this out.

Relevant history / significant changes/impacts: Decline in donations and blood usage due to COVID-19 Pandemic.

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Involvement in World Blood Donor Day, Other: The NS has started supporting Nambs on World Blood Donor Day by sharing material(Posters, Blood donation schedules mainly) on social media pages, and also advocating (ad-hocly) internally for staff and volunteers to donate blood.



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: Details not provided



Niger

Level of RC/RC involvement: C

% National VNRBD: 28%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program



Africa

National Context

Population 26,207,977

GDP (USD) 13,970m

Human Development Low

HDI 0.4

HDI rank (of 191) 189

Life expectancy at birth 61.6

Median age 14.8

Maternal mortality ratio 509.0
(per 100,000 live births)

Blood program provision: Centre National de Transfusion Sanguine (CNTS)

Coordination: National and regional level

Fixed blood collection centres: 8

Blood testing/processing centres: 8

National authority for blood program activities: Yes

The Minister of Public Health, Population and Social Affairs

Technical standards for blood programs: Yes

Site web

National haemovigilance program: No

Blood program funding: The National Blood Transfusion Center is financed by the State

% VNRBD: 28%

% Replacement donors: 72%

% Paid donors: No data available

% Other donor types: No data available

National blood demand met: No data available

Plasma fractionation within the country: Yes

Common uses of blood: Maternal/child health, trauma,

Significant challenges: Risks of infectious diseases (malaria), donor behavior

Relevant history / significant changes/impacts: Context of infectious diseases, increases in maternal/child health services

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, Involvement in World Blood Donor Day, Other: For more visibility, for World Blood Donor Day, the NS is making T-shirts and caps for volunteers.



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: The NS has a large network of volunteers and on each occasion (world day, SOS snag by the State etc), if these volunteers are requested they give their blood



Nigeria

Not verified (did not respond)

Level of RC/RC involvement: C

% National VNRBD: 18%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Africa

National Context

Population 218,541,212

GDP (USD) 477,386m

Human Development Low

HDI 0.535

HDI rank (of 191) 163

Life expectancy at birth 52.7

Median age 18.6

Maternal mortality ratio 917.0
(per 100,000 live births)

National Blood Program

Blood program provision: National Blood Transfusion Service (NBTS)

Coordination: Unknown

Fixed blood collection centres: Unknown

Blood testing/processing centres: Unknown

National authority for blood program activities: Yes Unknown

Technical standards for blood programs: Yes Unknown

National haemovigilance program: No

Blood program funding: Unknown

% VNRBD: 18% % Replacement donors: 50.3% % Paid donors: 31.6% % Other donor types: 0.10%

National blood demand met: Unknown Plasma fractionation within the country: Unknown

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Details unknown



Donor recruitment and retention

Provision of pre and post donation care information to donors: **No**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: Details not provided



Rwanda

Level of RC/RC involvement: A2

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program



Africa

National Context

Population 13,776,698

GDP (USD) 13,313m

Human Development Low

HDI 0.534

HDI rank (of 191) 165

Life expectancy at birth 66.1

Median age 19.7

Maternal mortality ratio 248.0
(per 100,000 live births)

Blood program provision: National Centre for Blood Transfusion (NCBT), Rwanda Red Cross (RRCs)

Coordination: National

Fixed blood collection centres: 5

Blood testing/processing centres: 1

National authority for blood program activities: Yes

MoH

Technical standards for blood programs: Yes

Details not provided

National haemovigilance program: Yes

Blood program funding: Not provided

% VNRBD: 100%

% Replacement donors:

% Paid donors:

% Other donor types:

National blood demand met: No

Plasma fractionation within the country: Not provided

Common uses of blood: Trauma, chronic hemolytic diseases, maternal

Significant challenges: Disasters

Relevant history / significant changes/impacts: NCBT has awarded the highest-level 3- international standards accreditation by AfSBT

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media; printing and disseminating materials; involvement in WBDD



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding:
Blood service, NS, government, private organisations, partners
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: Detail not provided

Blood donor recruitment strategies: Yes

Outreach / mobiles, pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, businesses, radio / tv, social media

Donor retention strategies: Yes

Donor clubs

National Society Activities

**Blood collection and processing****Blood donor interview:** Yes**Blood collection:** No

- Proportion (%) of the overall national blood supply: N/A
- Number of fixed collection sites: N/A
- Proportion (%) whole blood collections donated at fixed collection sites: N/A
- Total number of individual donors who made a whole blood and/or apheresis donation: N/A
- Number of new donors: N/A
- Number of repeat / regular donors: N/A
- Total number of collections: N/A
- Number of whole blood collections: N/A
- Number of plasmapheresis collections: N/A
- Number of plateletpheresis collections: N/A
- Number of red cell apheresis collections: N/A
- Number of other collection types: N/A
- Percentage (%) voluntary non-remunerated blood donors for all collection types: N/A

Processing of blood into separate components: No**Pathogen reduction of any blood components:** No**Blood screening tests:** No**Post donation counselling of blood screening test results:** Yes**Pre-transfusion testing****Distribution of blood to hospitals / clinics:** No**Crossmatching / compatibility testing for transfusion:** No**Transfusion of blood products:** No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: No
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: No



National Society background

Structure of your NS blood program activities:

- Decentralised
- Separate blood service

Relevant history for your NS blood program establishment:

Improved collaboration with Blood transfusion Division (RBC), capacity building for blood donors recruiter, Trained TOT in all districts, production of ICE materials for community education, developed training module, provision of mobilization tools in the community

Overall picture of the NS blood program scale and scope of activities:

We have a team of blood donors recruiters in each district who are volunteers.



Sao Tome and Principe

Africa

National Context

Level of RC/RC involvement: B

% National VNRBD: 75%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 227,380

GDP (USD) 547m

Human Development Medium

HDI 0.618

HDI rank (of 191) 138

Life expectancy at birth 67.6

Median age 19.3

Maternal mortality ratio 130.0
(per 100,000 live births)

National Blood Program

Blood program provision: The country's blood program service is under the responsibility of the blood bank of the reference hospital of STP - Hospital Ayres de Meneses

Coordination: National

Fixed blood collection centres: 1

Blood testing/processing centres: 1

National authority for blood program activities: Yes

Details not provided

Technical standards for blood programs: Yes

Details not provided

National haemovigilance program: No

Blood program funding: The blood bank has small WHO support

% VNRBD: 75%

% Replacement donors: 25%

% Paid donors:

% Other donor types:

National blood demand met: No

Plasma fractionation within the country: No

Common uses of blood: Trauma, maternal health, cancer

Significant challenges: Improve the blood bank, especially in terms of materials and consumables; community mobilization to increase the number of voluntary donors

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Involvement in WBDD



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: No
- Donor recruitment and retention activity funding: National Society
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: Donors are CV volunteers

Blood donor recruitment strategies:

volunteer engagement, schools / university engagement

Donor retention strategies:

Other: through two volunteers from CV

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Not provided

Overall picture of the NS blood program scale and scope of activities:

Not provided



Senegal

Level of RC/RC involvement: C

% National VNRBD: 89%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program

Blood program provision: National Blood Transfusion Centre

Coordination: Not provided

Fixed blood collection centres: Not provided

Blood testing/processing centres: Not provided

National authority for blood program activities: Yes

Details not provided

Technical standards for blood programs: Yes

Details not provided

National haemovigilance program: No

Blood program funding:

% VNRBD: 89%

% Replacement donors: 11%

% Paid donors:

% Other donor types:

National blood demand met: No

Plasma fractionation within the country: Yes

Common uses of blood: Not provided

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided



Africa

National Context

Population 17,316,449

GDP (USD) 27,684m

Human Development Low

HDI 0.511

HDI rank (of 191) 170

Life expectancy at birth 67.1

Median age 19.4

Maternal mortality ratio 315.0
(per 100,000 live births)

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Details not provided



Donor recruitment and retention

Provision of pre and post donation care information to donors: **No**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: Details not provided



Seychelles

Level of RC/RC involvement: A2

% National VNRBD: 61%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program



Africa

National Context

Population 100,060

GDP (USD) 1,588m

Human Development High

HDI 0.785

HDI rank (of 191) 72

Life expectancy at birth 71.3

Median age

Maternal mortality ratio 53.0
(per 100,000 live births)

Blood program provision: Government, Red Cross

Coordination: National

Fixed blood collection centres: 1

Blood testing/processing centres:

National authority for blood program activities: No

Technical standards for blood programs: No

National haemovigilance program: No

Blood program funding: Government budget, donations from organisations

% VNRBD: 61%

% Replacement donors: 39%

% Paid donors:

% Other donor types: 1

National blood demand met: No

Plasma fractionation within the country: No

Common uses of blood: Major surgeries, infectious diseases (leptospirosis and dengue) and emergencies (road traffic accidents)

Significant challenges: Retention of our regular blood donors, lack of support for funding

Relevant history / significant changes/impacts: A National Blood policy has just been approved as of this year

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, printing and disseminating materials, involvement in World Blood Donor Day, Other: Recognition for long blood donors in collaboration with the Ministry of Health



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: No
- Donor recruitment and retention activity funding: Partners
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: Detail not provided

Blood donor recruitment strategies: Yes

Outreach / mobiles, pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, businesses, radio / tv, social media

Donor retention strategies: Yes

Other: Reminder to donate & recognition for donors

National Society Activities



Blood collection and processing

Blood donor interview: Yes

Blood collection: No

- Proportion (%) of the overall national blood supply: N/A
- Number of fixed collection sites: N/A
- Proportion (%) whole blood collections donated at fixed collection sites: N/A
- Total number of individual donors who made a whole blood and/or apheresis donation: N/A
- Number of new donors: N/A
- Number of repeat / regular donors: N/A
- Total number of collections: N/A
- Number of whole blood collections: N/A
- Number of plasmapheresis collections: N/A
- Number of plateletpheresis collections: N/A
- Number of red cell apheresis collections: N/A
- Number of other collection types: N/A
- Percentage (%) voluntary non-remunerated blood donors for all collection types: N/A

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: No
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: No



National Society background

Structure of your NS blood program activities:

- National
- Hospital based

Relevant history for your NS blood program establishment:

Not provided

Overall picture of the NS blood program scale and scope of activities:

Not provided



Sierra Leone

Africa

National Context

Level of RC/RC involvement: A2

% National VNRBD: 50%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 8,605,718

GDP (USD) 3,970m

Human Development Low

HDI 0.477

HDI rank (of 191) 181

Life expectancy at birth 60.1

Median age 19.1

Maternal mortality ratio 1120.0
(per 100,000 live births)

National Blood Program

Blood program provision: Red Cross, Government, Concern world wide, International Rescue committee, GOAL, CUAAM and PIH.

Coordination: National and regional level

Fixed blood collection centres: 26 hospitals (18 government, 1 military, 6 mission, 1 private)

Blood testing/processing centres: 26 hospitals (18 government, 1 military, 6 mission, 1 private)

National authority for blood program activities: Yes

National Safe blood services

Technical standards for blood programs: Yes

Not provided

National haemovigilance program: No

Blood program funding: Government and partners

% VNRBD: 50%

% Replacement donors: 45%

% Paid donors: 5%

% Other donor types:

National blood demand met: No

Plasma fractionation within the country: No

Common uses of blood: Maternal / child health, trauma, cancer, thalassaemia, sickle cell disease

Significant challenges: Donor retention, refreshment for blood donors, cold chain, availability of data, commercial blood donor

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, printing and disseminating materials, involvement in World Blood Donor Day, other: Routine community mobile blood donation drive.



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: No
- Donor recruitment and retention activity funding: National Society, partners
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 1096

Blood donor recruitment strategies: Yes

Outreach / mobiles, pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, radio / tv, social media

Donor retention strategies: Yes

Donor clubs

National Society Activities



Blood collection and processing

Blood donor interview: Yes

Blood collection: No

- Proportion (%) of the overall national blood supply: N/A
- Number of fixed collection sites: N/A
- Proportion (%) whole blood collections donated at fixed collection sites: N/A
- Total number of individual donors who made a whole blood and/or apheresis donation: N/A
- Number of new donors: N/A
- Number of repeat / regular donors: N/A
- Total number of collections: N/A
- Number of whole blood collections: N/A
- Number of plasmapheresis collections: N/A
- Number of plateletpheresis collections: N/A
- Number of red cell apheresis collections: N/A
- Number of other collection types: N/A
- Percentage (%) voluntary non-remunerated blood donors for all collection types: N/A

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: Yes

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: Yes

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: No
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: No



National Society background

Structure of your NS blood program activities:

- National and decentralised
- Hospital based

Relevant history for your NS blood program establishment:

Before now, NS was leading in the set up and management of national blood banks, but presently, the government is managing the blood banks, whilst the national society provides voluntary blood donor

Overall picture of the NS blood program scale and scope of activities:

There are data basis for blood donors at all branches



Somalia

Level of RC/RC involvement: C

% National VNRBD: Not provided

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program

Blood program provision: Government

Coordination: There is no blood program in Puntland. In some private hospitals, they have their own blood storage where they sell it to patients, while in other communities, they search for people with the same blood group as patients when there is an urgent blood need.

Fixed blood collection centres: Not provided

Blood testing/processing centres: Not provided

National authority for blood program activities: No

Technical standards for blood programs: No

National haemovigilance program: No

Blood program funding: Not provided

% VNRBD: Not provided

% Replacement donors: Not provided

% Paid donors: Not provided

% Other donor types: Not provided

National blood demand met: No

Plasma fractionation within the country: No

Common uses of blood: Maternal Health

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

Africa

National Context



Population 17,597,511

GDP (USD) 8,126m

Human Development

HDI /

HDI rank (of 191) /

Life expectancy at birth 55.3

Median age 18.5

Maternal mortality ratio 829.0
(per 100,000 live births)

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: **No**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: Details not provided



South Africa

Africa

National Context

Level of RC/RC involvement: D

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 59,893,885

GDP (USD) 405,870m

Human Development High

HDI 0.713

HDI rank (of 191) 109

Life expectancy at birth 62.3

Median age 28

Maternal mortality ratio 119.0
(per 100,000 live births)

National Blood Program

Blood program provision: Not for profit organisations: - South African National Blood Service; - Western Cape Blood Service

Coordination: National

Fixed blood collection centres: SANBS - 83 blood banks
WCBS - 5 permanent blood donor clinics

Blood testing/processing centres:

National authority for blood program activities: Yes

National Blood Transfusion Council

Technical standards for blood programs: Yes

Standards of Practice for Blood Transfusion in South Africa
South African National Accreditation System

National haemovigilance program: Yes

Blood program funding: Not provided

% VNRBD: 100%

% Replacement donors:

% Paid donors:

% Other donor types:

National blood demand met: Not provided

Plasma fractionation within the country: Yes

Common uses of blood: Not provided

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities: No



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided



South Sudan

Level of RC/RC involvement: **B**

% National VNRBD: 70%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Africa

National Context

Population 10,913,164

GDP (USD) 11,998m

Human Development Low

HDI 0.385

HDI rank (of 191) 191

Life expectancy at birth 55

Median age 18.6

Maternal mortality ratio 1150.0
(per 100,000 live births)

National Blood Program

Blood program provision: Government, Red Cross

Coordination: National

Fixed blood collection centres: 3

Blood testing/processing centres: 16

National authority for blood program activities: Yes

National Ministry of Health

Technical standards for blood programs: Yes

Details not provided

National haemovigilance program: Yes

Blood program funding: Through partners

% VNRBD: 70%

% Replacement donors: 30%

% Paid donors:

% Other donor types:

National blood demand met: No

Plasma fractionation within the country: No

Common uses of blood: Maternal, trauma, anaemia

Significant challenges: Yes

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, printing and disseminating materials, involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Blood service, NS, government, private organisations, partners
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: 2188

Blood donor recruitment strategies:

Outreach / mobiles, volunteer engagement, schools / university engagement, targeting youth, businesses, radio / tv

Donor retention strategies:

Donor clubs, Social gatherings

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Since the establishment of the blood program there is a great impact in terms of blood collections

Overall picture of the NS blood program scale and scope of activities:

Integration of blood programs into the education system to increase awareness among students and youth



Sudan

Level of RC/RC involvement: B

% National VNRBD: 49% (2019)

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Africa

National Context

Population	46,874,204
GDP (USD)	51,662m
Human Development	Low
HDI	0.508
HDI rank (of 191)	172
Life expectancy at birth	65.3
Median age	18.3
Maternal mortality ratio (per 100,000 live births)	295.0

National Blood Program

Blood program provision: Government

Coordination: National

Fixed blood collection centres: 372

Blood testing/processing centres: Not provided

National authority for blood program activities: Yes

Details not provided

Technical standards for blood programs: Yes

Details not provided

National haemovigilance program: Not provided

Blood program funding: MoH and Partners

% VNRBD: 49% (2019)

% Replacement donors: Not provided

% Paid donors: Not provided

% Other donor types: Not provided

National blood demand met: No

Plasma fractionation within the country: No

Common uses of blood: Maternal health and Armed Conflict injuries

Significant challenges: High need and cultural difficulties in some places

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities:

Not provided



Donor recruitment and retention

Provision of pre and post donation care information to donors: **No**

Blood donor recruitment and retention: **Yes**

- Strategy for blood donor recruitment and retention planning: No
- Donor recruitment and retention activity funding: Detail not provided
- Paid positions (staff) for donor recruitment and retention: Detail not provided
- Number of donors recruited / registered to donate by the NS: Detail not provided

Blood donor recruitment strategies:

Detail not provided

Donor retention strategies:

Detail not provided

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Not provided

Overall picture of the NS blood program scale and scope of activities:

Not provided



Tanzania, United Republic of

Africa

National Context

Level of RC/RC involvement: A2

% National VNRBD: 56%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 65,497,748

GDP (USD) 75,709m

Human Development Low

HDI 0.549

HDI rank (of 191) 160

Life expectancy at birth 66.2

Median age 18.2

Maternal mortality ratio 524.0
(per 100,000 live births)

National Blood Program

Blood program provision: Government (Tanzania National Blood Transfusion Service), Red Cross and army

Coordination: National and regional

Fixed blood collection centres: 7

Blood testing/processing centres: Not provided

National authority for blood program activities: No

N/A

Technical standards for blood programs: Yes

<https://www.nbts.go.tz/storage/app/uploads/public/62b/b2a/b20/62bb2ab204acb907808916.pdf>

National haemovigilance program: Yes

Blood program funding: Government

% VNRBD: 56%

% Replacement donors: 44%

% Paid donors: Not provided

% Other donor types: Not provided

National blood demand met: No

Plasma fractionation within the country: Not provided

Common uses of blood: Maternal, Child Health, major surgery and major injuries

Significant challenges: Lack of funding to support operation

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Printing and disseminating materials, involvement in World Blood Donor Day.



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: No
- Donor recruitment and retention activity funding: National Society, partners
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: 17,856

Blood donor recruitment strategies: Yes

Outreach / mobiles, pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, social media

Donor retention strategies: Yes

Donor clubs, Personalised sms / email (thank you or reminder to donate)

National Society Activities

**Blood collection and processing****Blood donor interview: Yes****Blood collection: Yes**

- Proportion (%) of the overall national blood supply: Detail not provided
- Number of fixed collection sites: 1
- Proportion (%) whole blood collections donated at fixed collection sites: Detail not provided
- Total number of individual donors who made a whole blood and/or apheresis donation: 17,856
- Number of new donors: 492
- Number of repeat / regular donors: Detail not provided
- Total number of collections: 17,856
- Number of whole blood collections: Detail not provided
- Number of plasmapheresis collections: Detail not provided
- Number of plateletpheresis collections: Detail not provided
- Number of red cell apheresis collections: Detail not provided
- Number of other collection types: Detail not provided
- Percentage (%) voluntary non-remunerated blood donors for all collection types: Detail not provided

Processing of blood into separate components: No**Pathogen reduction of any blood components: No****Blood screening tests: No****Post donation counselling of blood screening test results: No****Pre-transfusion testing****Distribution of blood to hospitals / clinics: No****Crossmatching / compatibility testing for transfusion: No****Transfusion of blood products: No**

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: No
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: No



National Society background

Structure of your NS blood program activities:

- Decentralised
- Separate blood service

Relevant history for your NS blood program establishment:

Increased number of blood donor recruiters and branches organize donor drive using own resources and support from PNS.

Overall picture of the NS blood program scale and scope of activities:

The IM system is not fully completed. TRCS needs time and resources to support coordination and establishment of database to capture data.



Togo

Not verified (did not respond)

Level of RC/RC involvement: **B**

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program

Blood program provision: Unknown

Coordination: Unknown

Fixed blood collection centres: 6

Blood testing/processing centres: 2

National authority for blood program activities: Yes

Unknown

Technical standards for blood programs: Yes

Unknown

National haemovigilance program: No

Blood program funding: Unknown

% VNRBD: 100%

% Replacement donors: 0

% Paid donors: 0

% Other donor types: 0

National blood demand met: Unknown

Plasma fractionation within the country: Unknown

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

Africa

National Context



Population 8,848,699

GDP (USD) 8,126m

Human Development Low

HDI 0.539

HDI rank (of 191) 162

Life expectancy at birth 61.6

Median age 20

Maternal mortality ratio 396.0
(per 100,000 live births)

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities:

World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: **Unknown**

Blood donor recruitment and retention: **Yes**

- Strategy for blood donor recruitment and retention planning: **Unknown**
- Donor recruitment and retention activity funding: **Unknown**

- Paid positions (staff) for donor recruitment and retention: **No**
- Number of donors recruited / registered to donate by the NS: **9843 (in 2021)**

Blood donor recruitment strategies:

School / university engagement

Donor retention strategies:

Unknown

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Not provided

Overall picture of the NS blood program scale and scope of activities:

Not provided



Uganda

Level of RC/RC involvement: B

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program

Blood program provision: Government, Red Cross

Coordination: National

Fixed blood collection centres: 17

Blood testing/processing centres: 7

National authority for blood program activities: Yes

Ministry of Health

Technical standards for blood programs: Yes

National Blood Transfusion Policy

National haemovigilance program: Yes

Blood program funding: Government of Uganda

% VNRBD: 100%

% Replacement donors:

% Paid donors:

% Other donor types:

National blood demand met: No

Plasma fractionation within the country: No

Common uses of blood: Maternal / child health, trauma, cancer and medical emergencies

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided



Africa

National Context

Population 47,249,585

GDP (USD) 45,559m

Human Development Low

HDI 0.525

HDI rank (of 191) 166

Life expectancy at birth 62.7

Median age 15.7

Maternal mortality ratio 375.0
(per 100,000 live births)

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, printing and disseminating materials, involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- | | |
|--|--|
| • Strategy for blood donor recruitment and retention planning: Yes | • Paid positions (staff) for donor recruitment and retention: Yes |
| • Donor recruitment and retention activity funding: Government, partners | • Number of donors recruited / registered to donate by the NS: 180,000 |

Blood donor recruitment strategies:

Outreach / mobiles, pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, businesses, radio / tv, social media

Donor retention strategies:

Donor clubs, Loyalty programs / gifts, Personalised sms / email (thank you or reminder to donate)

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Not provided

Overall picture of the NS blood program scale and scope of activities:

Not provided



Zambia

Level of RC/RC involvement: D

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program



Africa

National Context

Population 20,017,675

GDP (USD) 29,784m

Human Development Medium

HDI 0.565

HDI rank (of 191) 154

Life expectancy at birth 61.2

Median age 16.9

Maternal mortality ratio 213.0
(per 100,000 live births)

Blood program provision: Government/National Blood Transfusion Services

Coordination: National

Fixed blood collection centres: 10

Blood testing/processing centres: Not provided

National authority for blood program activities: Yes

Zambia Medicines Regulatory Authority (ZAMRA)

Technical standards for blood programs: Yes

Details not provided

National haemovigilance program: Yes

Blood program funding: Government and partial cost recovery from the National Health Insurance Management Authority (NHIMA)

% VNRBD: 100%

% Replacement donors: 0

% Paid donors: 0

% Other donor types: 0

National blood demand met: No

Plasma fractionation within the country: No

Common uses of blood: Cancer, maternal and child health, renal and cardiac health, trauma, red blood cell exchange for sickle cell disease patients.

Significant challenges: High prevalence rate of hepatitis; Inadequate funding

Relevant history / significant changes/impacts: Introduction of red blood cell exchange and platelet apheresis

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities: No



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: The NS does not have project offering blood services



Zimbabwe

Level of RC/RC involvement: D

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Africa

National Context

Population 16,320,537

GDP (USD) 20,678m

Human Development Medium

HDI 0.593

HDI rank (of 191) 146

Life expectancy at birth 59.3

Median age 20.5

Maternal mortality ratio 458.0
(per 100,000 live births)

National Blood Program

Blood program provision: National Blood Transfusion Services in Zimbabwe

Coordination: National Blood Transfusion Services in Zimbabwe

Fixed blood collection centres: 6

Blood testing/processing centres: Not provided

National authority for blood program activities: Yes

National Blood Transfusion Services in Zimbabwe

Technical standards for blood programs: Yes

Standards for Blood Donation, Processing & Clinical Transfusion in Zimbabwe

National haemovigilance program: Not provided

Blood program funding: Service cost recovery from patients

% VNRBD: 100%

% Replacement donors: 0

% Paid donors: 0

% Other donor types: 0

National blood demand met: No

Plasma fractionation within the country: No

Common uses of blood: Cancer, blood loss during accidents, trauma

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities: No



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided

Americas - regional summary

National Societies by Category

Category A1

Colombia
Dominican Republic
Ecuador
El Salvador
Guatemala
Haiti
Honduras
Mexico
Suriname
United States of America

Category C

Bahamas
Bolivia
Brazil
Jamaica
Panama
Uruguay
Venezuela

Category A2

Nil

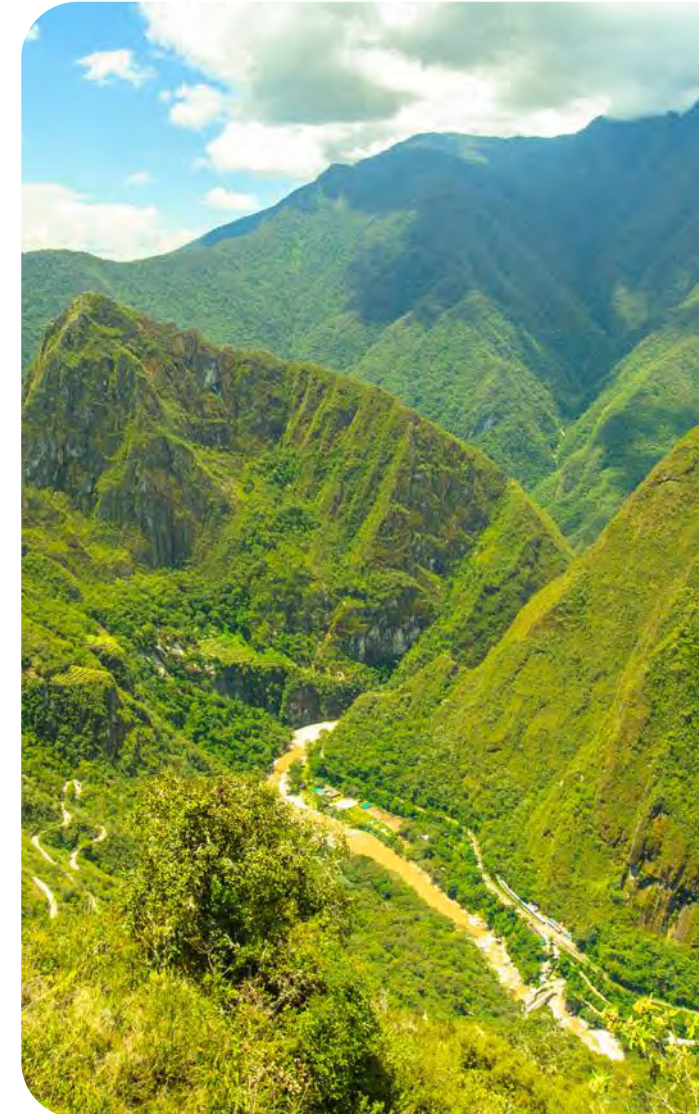
Nil (no involvement)

Barbados
Canada
Costa Rica
St Kitts and Nevis
St Vincent and the Grenadines

Category B

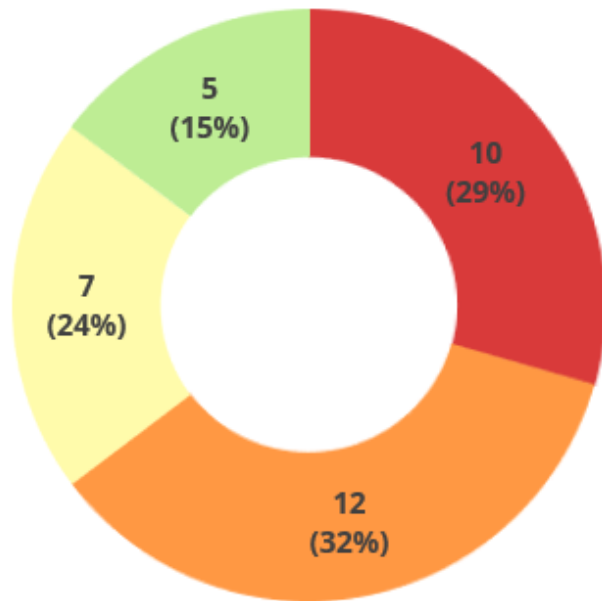
Antigua and Barbuda
Argentina
Belize
Chile
Cuba
Dominica
Grenada
Guyana
Paraguay
Peru
St Lucia
Trinidad & Tobago

[Link to legend](#)

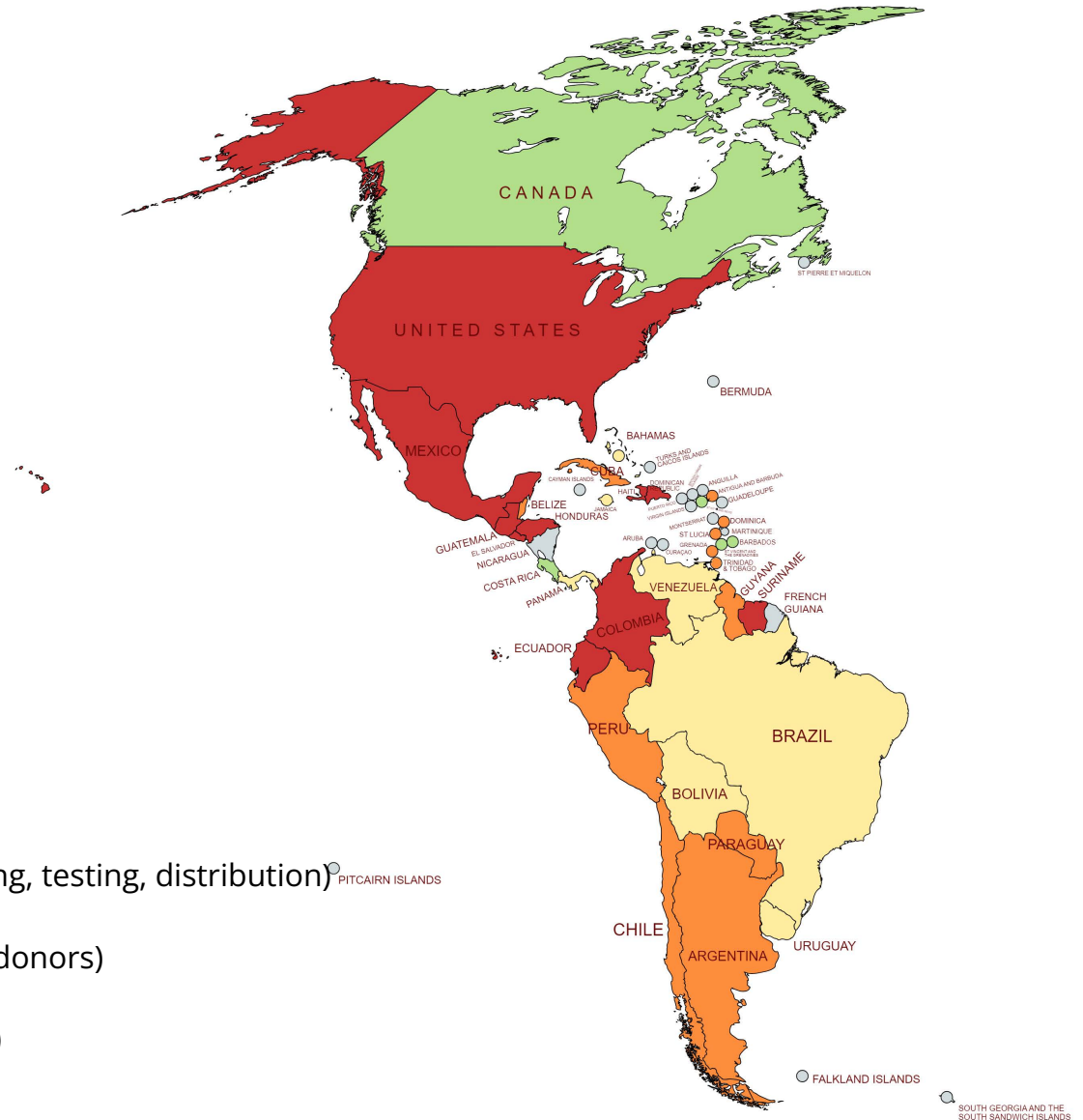


National Society Categories

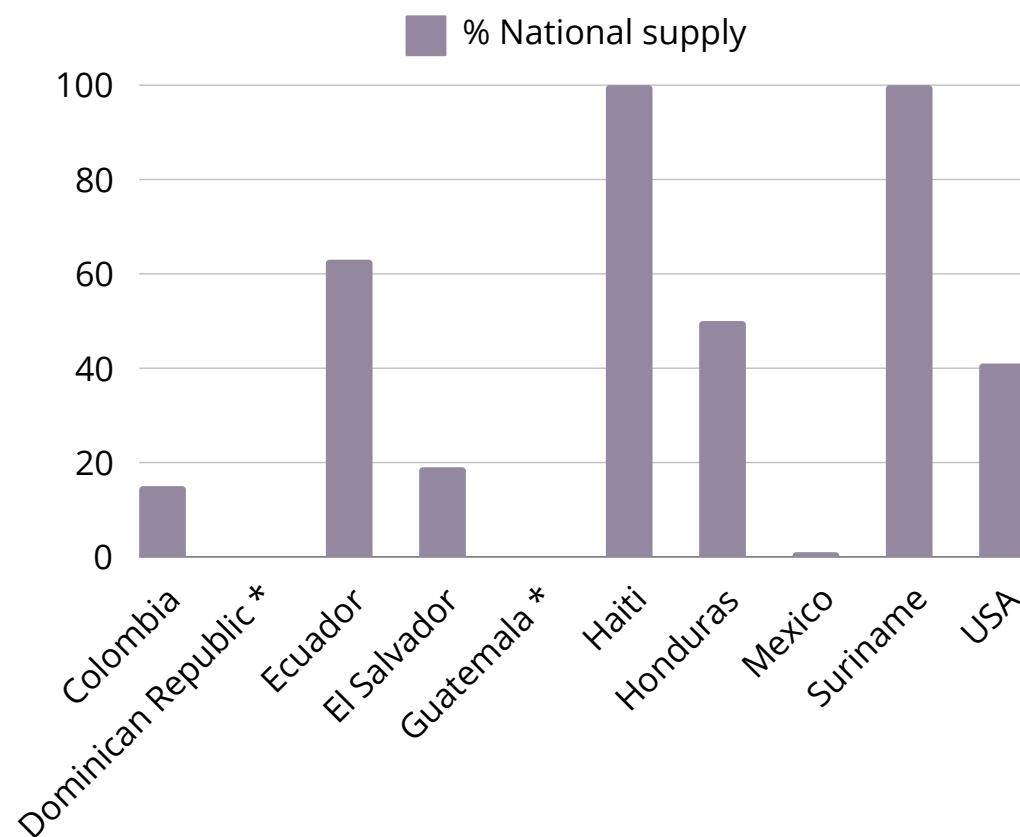
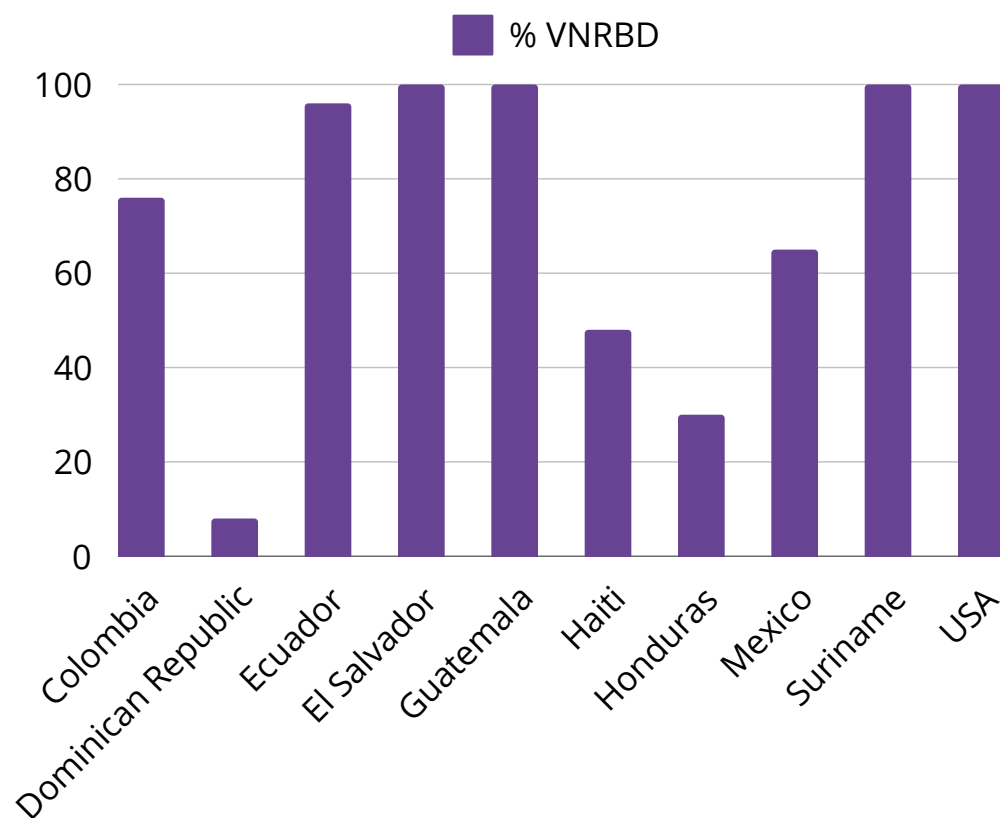
Total = 34



-  Category A1 (full blood service - collection, processing, testing, distribution)
 -  Category B (regular recruitment of voluntary blood donors)
 -  Category C (promotion of voluntary blood donation)
 -  Nil involvement



Voluntary blood donation and national blood supply by National Society (Category A NS)



*Information not available



Antigua and Barbuda

Americas National Context

Level of RC/RC involvement: **B**

% National VNRBD: 25%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 93,763

GDP (USD) 1,758m

Human Development High

HDI 0.788

HDI rank (of 191) 71

Life expectancy at birth 78.5

Median age /

Maternal mortality ratio 42.0
(per 100,000 live births)

National Blood Program

Blood program provision: Not provided

Coordination: Not provided

Fixed blood collection centres: 2

Blood testing/processing centres: 1

National authority for blood program activities: No

Technical standards for blood programs: Not provided

National haemovigilance program: Not provided

Blood program funding: Not provided

% VNRBD: 25%

% Replacement donors: 75%

% Paid donors: N/A

% Other donor types: N/A

National blood demand met: Not provided

Plasma fractionation within the country: Not provided

Common uses of blood: Not provided

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Details not provided



Donor recruitment and retention

Provision of pre and post donation care information to donors: Not provided

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Details not provided
- Donor recruitment and retention activity funding: National Society
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: Details not provided

Blood donor recruitment strategies:

Club Lyfe - blood donor initiative

Donor retention strategies:

Details not provided

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Not provided

Overall picture of the NS blood program scale and scope of activities:

Not provided



Argentina

Level of RC/RC involvement: **B**

% National VNRBD: 50%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



National Blood Program

Blood program provision: National, Provincial and Municipal Government; Private Institutions

Coordination: National, Regional

Fixed blood collection centres: State/public sector: 235 / Private sector: 55

Blood testing/processing centres: State/public sector: 135 / Private Sector: 52

National authority for blood program activities: Yes

Technical standards for blood programs: Yes

Law 22,990, executive branch decree 1338/04. . Ministerial Resolutions: RM 1507, 1508 and 1509 of September 2015, Provision 1538 and 1638/12 create the registry and implement the inspection program of Good Manufacturing Practices (GMP) by the ANMAT throughout the national territory.

National haemovigilance program: Yes

Blood program funding: National Government, MSAL. Provincial and Municipal Governments. Cost recovery in the public/state sector and private centers.

% VNRBD: 50%

% Replacement donors: 50%

% Paid donors: 0%. Prohibited by law 22,990 and corresponding technical standard.

% Other donor types: Autologous donation 0.20%.
Replacement Donation 48%

Americas

National Context

Population 46,234,830

GDP (USD) 632,770m

Human Development Very High

HDI 0.842

HDI rank (of 191) 47

Life expectancy at birth 75.4

Median age 32.4

Maternal mortality ratio 39.0
(per 100,000 live births)

National Blood Program

National blood demand met: Yes

Plasma fractionation within the country: Yes

Common uses of blood: 38% children under 5 years of age oncological pathologies; Traumatological and Maternal; adult oncological pathologies, cardiovascular, transplants

Significant challenges:

1) Funds/financing to update immuno-haematologic and -serologic technology; 2) Data management for National Transfusion Medicine, including a single software for blood management at national level; 3) Achieve 100% of Voluntary and Habitual Blood Donation; 4) Increase involvement in plasma and PDMP activities; 5) Achieve Work efficiency (70% centralization).

Relevant history / significant changes/impacts:

2002, National Blood Plan was created; Since, Blood health policies have increased the percentage of VNRBD from 0.3% in 2002 to 50% in 2023. With external financing, the Blood Banks in equipment and supply of reagents. Four provincial hemotherapy centers were built, achieving 70% centralization throughout the national territory. Coordinated work is carried out with civil society, organizations, NGOs and clubs, who were duly trained, strengthening the Promotion of Voluntary Blood Donation and increasing external Collections to 76% of total; The National Blood Commission developed administrative and technical regulations. During the pandemic, the country's Transfusion Medicine Network communication channel was strengthened, also incorporating apheresis equipment. 5 national courses with high participation focused on the different processes, (Donation, Manufacture, safe transfusion) including Good Practices and correct indication of Transfusion therapy. Integration was achieved for the coordinated work of the Nation, Provinces, Municipalities, State Sector, Private and society (NGOs, Voluntary Blood Donor Associations, etc.)



National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, printing and disseminating materials, involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- | | |
|--|--|
| <ul style="list-style-type: none"> • Strategy for blood donor recruitment and retention planning: Yes • Donor recruitment and retention activity funding: National Society | <ul style="list-style-type: none"> • Paid positions (staff) for donor recruitment and retention: Yes • Number of donors recruited / registered to donate by the NS:
384 people provided their data to be contacted in donation activities.
70 people registered in the National Registry of Hematopoietic Progenitor Cell Donors |
|--|--|

Blood donor recruitment strategies:

Volunteer engagement, radio / tv, social media

Donor retention strategies:

Personalised sms / email

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

The Affiliates that make up our National Society work in coordination with public or private, regional or local Hemotherapy Services, to carry out activities related to Blood Donation. Said services are in charge of the entire process of extraction, collection, processing and subsequent storage of blood in their respective Banks; during these instances the volunteers of our Society collaborate in an active and articulated way to be able to carry out the mural and extramural campaigns. As significant impacts in relation to the year 2022, during 2023, 6 Subsidiaries have formed new pairs with the aforementioned Services and started this type of activities, expanding the territorial Network in this line of work. In this way, the National Society of the Argentine Red Cross, in its fundamental role as auxiliary to the state, provides permanent support to the country's Blood Banks.

Overall picture of the NS blood program scale and scope of activities:

Currently, 26 Branches throughout the Argentine territory work in activities for the Promotion of Blood Donation and Collection. In addition, from Headquarters, various campaigns of great impact are coordinated annually at the national level (Latest campaign: World Blood Donor Day/Argentine Red Cross Day, June 14, 2023: 644 donors; 224 volunteers involved).



Bahamas

Not verified (did not respond)

Level of RC/RC involvement: C

% National VNRBD: 23% (2017)

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program

Blood program provision: Unknown

Coordination: Unknown

Fixed blood collection centres: 3

Blood testing/processing centres: 3

National authority for blood program activities: No

N/A

Technical standards for blood programs: Yes

Unknown

National haemovigilance program: No

Blood program funding: Unknown

% VNRBD: 23% (2017)

% Replacement donors: 77% (2017)

% Paid donors:

% Other donor types:

National blood demand met: No

Plasma fractionation within the country: Unknown

Common uses of blood: Surgeries and medical emergencies, maternal/child health, trauma

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown



Americas

National Context

Population 409,984

GDP (USD) 12,897m

Human Development Very High

HDI 0.812

HDI rank (of 191) 55

Life expectancy at birth 71.6

Median age 32.8

Maternal mortality ratio 70.0
(per 100,000 live births)

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: **No**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: Details not provided



Barbados

Level of RC/RC involvement: **D**

% National VNRBD: 11% (2017)

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program



Americas

National Context

Population 281,635

GDP (USD) 5,638m

Human Development High

HDI 0.79

HDI rank (of 191) 70

Life expectancy at birth 77.6

Median age /

Maternal mortality ratio 27.0
(per 100,000 live births)

Blood program provision: National Blood Collecting Centre, Ministry of Health

Coordination: National level

Fixed blood collection centres: 1

Blood testing/processing centres: 1

National authority for blood program activities: Yes Ministry of Health

Technical standards for blood programs: Not provided

National haemovigilance program: No

Blood program funding: Ministry of Health

% VNRBD: 11% (2017)

% Replacement donors: 89% (2017)

% Paid donors:

% Other donor types:

National blood demand met: Not provided

Plasma fractionation within the country: Not provided

Common uses of blood: Not provided

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities: No



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided



Belize

Level of RC/RC involvement: **B**

% National VNRBD: 11% (2017)

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Americas National Context

Population 405,272

GDP (USD) 2,824m

Human Development Medium

HDI 0.683

HDI rank (of 191) 123

Life expectancy at birth 70.5

Median age 23.9

Maternal mortality ratio 36.0
(per 100,000 live births)

National Blood Program

Blood program provision: Ministry of Health, Government of Belize. BRC supports conducting blood drives

Coordination: National

Fixed blood collection centres: 6 - one in each of the 6 administrative districts

Blood testing/processing centres: 6 - one in each of the 6 administrative districts

National authority for blood program activities: Yes

Belize National Blood Transfusion Service

Technical standards for blood programs: Yes

Blood Donation Requirement

National haemovigilance program: No

Blood program funding: Government, Individuals, Insurance

% VNRBD: 11% (2017)

% Replacement donors: 89% (2017)

% Paid donors: 0%

% Other donor types:

National blood demand met: Not provided

Plasma fractionation within the country: Not provided

Common uses of blood: Trauma, surgery, child delivery

Significant challenges: Lack of culture of donating

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, printing and disseminating materials, involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: National Society, government, private organisations, partners
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: 34 (2022)

Blood donor recruitment strategies:

Outreach / mobiles, pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, businesses, radio / tv, social media

Donor retention strategies:

Donor Clubs

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

In discussions with Ministry of Health to formalize NS role in national programs.

Overall picture of the NS blood program scale and scope of activities:

BRC to launch recruitment program by March 2024



Bolivia

Level of RC/RC involvement: C

% National VNRBD: 22.9% (2020)

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Americas National Context

Population	12,224,110
GDP (USD)	43,069m
Human Development	Medium
HDI	0.692
HDI rank (of 191)	118
Life expectancy at birth	63.6
Median age	25.3
Maternal mortality ratio	155.0
(per 100,000 live births)	

National Blood Program

Blood program provision: Government (National and through governorates),

Coordination: National and regional

Fixed blood collection centres: 15

Blood testing/processing centres: 15

National authority for blood program activities: Yes

Technical standards for blood programs: Yes

Ministry of Health (National) Responsible for the National Blood Donation Program

Manual of operational procedures for immunohematological tests carried out in blood services/
General guide on procedures for reporting adverse events to transfusion/Blood transfusion, blood components and blood products: Recommendations and practical guides/Biosafety in transfusion medicine, among others

National haemovigilance program: No

Blood program funding: Government

% VNRBD: 22.9% (2020)

% Replacement donors: 71.1%(2020)

% Paid donors: The data not available

% Other donor types: The data not available

National blood demand met: No

Plasma fractionation within the country: Not provided

Common uses of blood: According to the Ministry of Health, the services that had the highest demand for donations in 2020 were: internal medicine services 14.1% emergency services 13.1%; intensive care service 12.8%; and in fourth place the surgery service with 7.6%

Significant challenges: Increase the percentage of the population that donates blood to guarantee the necessary stock for demand (in recent years the % has been around 1%, compared to those recommended by the WHO which is 2%), Disaster situations , with overdemand

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Media, printing and disseminating materials, involvement in World Blood Donor Day, Other: In support of the blood banks of 4 subsidiaries



Donor recruitment and retention

Provision of pre and post donation care information to donors: **No**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: Previous experience with activities related to Promesa 25 (Club 25) mainly in La Paz

Overall picture of the NS blood program scale and scope of activities: Frequent activities related to the promotion of voluntary blood donation in the branches of La Paz, El Alto, Tarija and Cochabamba



Brazil

Not verified (did not respond)

Level of RC/RC involvement: C

% National VNRBD: 62% (2017)

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program



Americas

National Context

Population	215,313,498
GDP (USD)	1,920,096m
Human Development	High
HDI	0.754
HDI rank (of 191)	87
Life expectancy at birth	72.8
Median age	33.2
Maternal mortality ratio	60.0
(per 100,000 live births)	

Blood program provision: Unknown

Coordination: Unknown

Fixed blood collection centres: 3071

Blood testing/processing centres: Unknown

National authority for blood program activities: Yes

Agência Nacional de Vigilância Sanitária (ANVISA)

Technical standards for blood programs: Yes

Unknown

National haemovigilance program: Yes

Blood program funding: Cost recovery

% VNRBD: 62% (2017)

% Replacement donors: 38% (2017)

% Paid donors: N/A

% Other donor types: N/A

National blood demand met: Unknown

Plasma fractionation within the country: Yes

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Details unknown



Donor recruitment and retention

Provision of pre and post donation care information to donors: **No**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: Details not provided



Canada

Level of RC/RC involvement: **D**

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Americas

National Context

Population 38,929,902

GDP (USD) 2,139,840m

Human Development Very High

HDI 0.936

HDI rank (of 191) 15

Life expectancy at birth 82.7

Median age 41.8

Maternal mortality ratio 10.0
(per 100,000 live births)

National Blood Program

Blood program provision: Canadian Blood Services; Hema-Quebec
Coordination: National and regional

Fixed blood collection centres: Hema Quebec has 9 Fixed Locations for whole blood, platelets, plasma.

Blood testing/processing centres: Hema Quebec has a Laboratory in Montreal and one in Quebec City.

National authority for blood program activities: Yes

Health Canada; Health Products and Food Branch; Regulatory Operations and Enforcement Branch

Technical standards for blood programs: Yes

Blood Regulations (Food and Drugs Act); Canadian Standards Association Group Blood Standards

National haemovigilance program: Yes

Blood program funding: Funding comes primarily from the provincial and territorial governments, and Canadian Blood Services is a registered charity that accepts financial donations.

% VNRBD: 100%

% Replacement donors: N/A

% Paid donors: N/A

% Other donor types: N/A

National blood demand met: No

Plasma fractionation within the country: Yes

Common uses of blood: Not provided

Significant challenges: Not provided

Relevant history / significant changes/impacts:

Canadian Red Cross had managed Canada's Blood supply but it was taken over by Canadian Blood Services and Hema Quebec in 1998 after some blood containing HIV was transfused into beneficiaries.

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities: No



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided



Chile

Level of RC/RC involvement: **B**

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Americas

National Context

Population 19,603,733

GDP (USD) 301,025m

Human Development Very High

HDI 0.855

HDI rank (of 191) 42

Life expectancy at birth 78.9

Median age 35.5

Maternal mortality ratio 13.0
(per 100,000 live births)

National Blood Program

Blood program provision: Public and private blood banks, MINSAL, Chilean Red Cross, regional blood centers.

Coordination: Through meetings with blood banks from hospitals and clinics at the local level.

Fixed blood collection centres: 62 public; 15 private

Blood testing/processing centres: This information is not available

National authority for blood program activities: Yes

National Blood Commission (Ministry of Health)

Technical standards for blood programs: Yes

National haemovigilance program: Yes

Blood program funding: Through state financing (public hospitals) and private (clinics)

% VNRBD: 100%

% Replacement donors: 68%

% Paid donors: 0

% Other donor types: N/A

National blood demand met: No

Plasma fractionation within the country: Yes

Common uses of blood: Cancer, trauma, pabellones, anaemia

Significant challenges: The increase in the migrant population that is unable to donate

Relevant history / significant changes/impacts: N/A

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Other: Dissemination of the importance of blood donation, its requirements and its benefits through social networks and through face-to-face activities to raise awareness among the population.



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: National Society
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: 400 aprox (2022)

Blood donor recruitment strategies:

Diffusion by RRSS, recruitment of donors in collections, universities, etc.

Donor retention strategies:

Thanks for the donation through the donor club.

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Within the country the numbers of blood donations have gone down after the pandemic

Overall picture of the NS blood program scale and scope of activities:

CRCh at the national level works cooperatively with the different blood banks to promote blood donation.



Colombia

Level of RC/RC involvement: A1

% National VNRBD: 93.30%

NS proportion of national blood supply (%): 14%

Number of units collected by NS: 131,847

National Blood Program



Americas

National Context

Population 51,874,024

GDP (USD) 343,939m

Human Development High

HDI 0.752

HDI rank (of 191) 88

Life expectancy at birth 72.8

Median age 31.2

Maternal mortality ratio 83.0
(per 100,000 live births)

Blood program provision: Ministry of Health, National Network of Blood Banks and Transfusion Services, National Institute of Health

Coordination: National and regional

Fixed blood collection centres: 115

Blood testing/processing centres: 83

National authority for blood program activities: Yes

INVIMA <https://www.invima.gov.co/>

Technical standards for blood programs: Yes

DECRETO 1571 DE 1993, RESOLUCION 901 DE 1996 DE MIN SALUD

National haemovigilance program: Yes

Blood program funding: Service Cost Recovery

% VNRBD: 93.30%

% Replacement donors: 6.70%

% Paid donors: 0

% Other donor types: No Data

National blood demand met: Yes

Plasma fractionation within the country: No

Common uses of blood: Adult intensive care unit, emergency room, internal medicine and general surgery

Significant challenges: Infectious and tropical diseases, change of selection guidelines in the LGBTIQ+ population,

Relevant history / significant changes/impacts: Lack of implementation of good blood practices, update of current regulations

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, printing and disseminating materials, involvement in World Blood Donor Day, Other: Simultaneous massive blood donation campaigns in the "Lationamerica donate blood" region and the country, in December. Training workshop for promoters of blood donation to companies as part of the corporate social responsibility program, participation in the training program with students from elementary schools



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Blood service, National Society
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 131,847

Blood donor recruitment strategies: Yes

Outreach / mobiles, pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, businesses, radio / tv, social media, other: In order to retain donors, donors are called to attend the site where they made their previous donation again. The donation card also records the date of the next donation

Donor retention strategies: Yes

Donor clubs, loyalty programs / gifts, personalised sms / email (thank you or reminder to donate), other: telerecruitment, annual programming of company conferences with a minimum of two dates a year at the same location

National Society Activities

**Blood collection and processing****Blood donor interview:** Yes**Blood collection:** Yes

- Proportion (%) of the overall national blood supply: 14%
- Number of fixed collection sites: 9
- Proportion (%) whole blood collections donated at fixed collection sites: 131,847
- Total number of individual donors who made a whole blood and/or apheresis donation: 87,979
- Number of new donors: 30,000
- Number of repeat / regular donors: 43,868
- Total number of collections: 131,847
- Number of whole blood collections: 121,225
- Number of plasmapheresis collections: 0
- Number of plateletpheresis collections: 9,746
- Number of red cell apheresis collections: 877
- Number of other collection types: 0
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 98.41%

Processing of blood into separate components: Yes

Red blood cells, plasma, platelets, cryoprecipitate, fresh frozen plasma

Pathogen reduction of any blood components: Yes**Blood screening tests:** Yes**Post donation counselling of blood screening test results:** Yes**Pre-transfusion testing****Distribution of blood to hospitals / clinics:** Yes**Crossmatching / compatibility testing for transfusion:** Yes**Transfusion of blood products:** No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: Yes
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: Yes
- Other biomedical: No
- Other: Research Centre



National Society background

Structure of your NS blood program activities:

- Decentralised
- Separate blood service

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided



Costa Rica

Level of RC/RC involvement: D

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program



Americas

National Context

Population 5,180,829

GDP (USD) 68,381m

Human Development Very High

HDI 0.809

HDI rank (of 191) 58

Life expectancy at birth 77

Median age 32.6

Maternal mortality ratio 27.0
(per 100,000 live births)

Blood program provision: Information not provided

Coordination: N/A

Fixed blood collection centres: 12

Blood testing/processing centres: Information not provided

National authority for blood program activities: Yes

Costa Rican Social Security Fund / Ministry of Health

Technical standards for blood programs: Yes

Guidelines for the selection of blood donors, <https://www.binasss.sa.cr/>

National haemovigilance program: Yes

Blood program funding: Government

% VNRBD: 100%

% Replacement donors: N/A

% Paid donors: 0%

% Other donor types: N/A

National blood demand met: Yes

Plasma fractionation within the country: Yes

Common uses of blood: Trauma, major surgeries, cancer,

Significant challenges: Comply with national blood requirements.

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities: No



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided



Cuba

Not verified (did not respond)

Level of RC/RC involvement: **B**

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program



Americas

National Context

Population 11,212,191

GDP (USD) 100,023m

Human Development High

HDI 0.764

HDI rank (of 191) 83

Life expectancy at birth 73.7

Median age 42.1

Maternal mortality ratio 36.0
(per 100,000 live births)

Blood program provision: Unknown

Coordination: Unknown

Fixed blood collection centres: Unknown

Blood testing/processing centres: Unknown

National authority for blood program activities: Yes Unknown

Technical standards for blood programs: Yes Unknown

National haemovigilance program: Yes

Blood program funding: Unknown

% VNRBD: 100% % Replacement donors: / % Paid donors: / % Other donor types: /

National blood demand met: Unknown Plasma fractionation within the country: Yes

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities:

N/A



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Unknown
- Donor recruitment and retention activity funding: Unknown
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: Unknown

Blood donor recruitment strategies:

Unknown

Donor retention strategies:

Unknown

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Unknown

Overall picture of the NS blood program scale and scope of activities:

Unknown



Dominica

Level of RC/RC involvement: **B**

% National VNRBD: Unknown

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Americas National Context

Population 72,737

GDP (USD) 612m

Human Development High

HDI 0.72

HDI rank (of 191) 102

Life expectancy at birth 72.8

Median age /

Maternal mortality ratio /
(per 100,000 live births)

National Blood Program

Blood program provision: Ministry of Health

Coordination: National

Fixed blood collection centres: 1

Blood testing/processing centres: 2

National authority for blood program activities: Yes

Ministry of Health

Technical standards for blood programs: Yes

Details not provided

National haemovigilance program: Yes

Blood program funding: Government

% VNRBD: Unknown

% Replacement donors: Unknown

% Paid donors: Unknown

% Other donor types:

National blood demand met: No

Plasma fractionation within the country: Not provided

Common uses of blood: Unknown

Significant challenges: Donors

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Other: Request for blood donors are placed on social media (facebook and whatsapp)



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: No
- Donor recruitment and retention activity funding: National Society
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: Not monitored

Blood donor recruitment strategies:

Volunteer engagement, social media

Donor retention strategies:

None

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Youth blood donor group was established but no longer exist

Overall picture of the NS blood program scale and scope of activities:

Activities are support to the blood bank programme and request for blood donors through our social media pages



Dominican Republic

Not verified (did not respond)

Level of RC/RC involvement: A1

% National VNRBD: 7%

NS proportion of national blood supply (%): Unknown

Number of units collected by NS: Unknown



Americas

National Context

Population 11,228,821

GDP (USD) 113,642m

Human Development High

HDI 0.767

HDI rank (of 191) 80

Life expectancy at birth 72.6

Median age 27.9

Maternal mortality ratio 95.0
(per 100,000 live births)

National Blood Program

Blood program provision: Dominican Red Cross

Coordination: Unknown

Fixed blood collection centres: Unknown

Blood testing/processing centres: Unknown

National authority for blood program activities: Yes Unknown

Technical standards for blood programs: Yes Unknown

National haemovigilance program: Unknown

Blood program funding: Unknown

% VNRBD: 7% % Replacement donors: 93% % Paid donors: / % Other donor types: /

National blood demand met: Unknown Plasma fractionation within the country: Unknown

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Unknown



Donor recruitment and retention

Provision of pre and post donation care information to donors: **Yes**

Blood donor recruitment and retention: **Yes**

- Strategy for blood donor recruitment and retention planning: Unknown
- Donor recruitment and retention activity funding: Unknown

- Paid positions (staff) for donor recruitment and retention: Unknown
- Number of donors recruited / registered to donate by the NS: Unknown

Blood donor recruitment strategies: **Yes**

Unknown

Donor retention strategies: **Yes**

Unknown

National Society Activities



Blood collection and processing

Blood donor interview: Yes

Blood collection: Yes

- Proportion (%) of the overall national blood supply: Unknown
- Number of fixed collection sites: Unknown
- Proportion (%) whole blood collections donated at fixed collection sites: Unknown
- Total number of individual donors who made a whole blood and/or apheresis donation: Unknown
- Number of new donors: Unknown
- Number of repeat / regular donors: Unknown
- Total number of collections: Unknown
- Number of whole blood collections: Unknown
- Number of plasmapheresis collections: Unknown
- Number of plateletpheresis collections: Unknown
- Number of red cell apheresis collections: Unknown
- Number of other collection types: Unknown
- Percentage (%) voluntary non-remunerated blood donors for all collection types: Unknown

Processing of blood into separate components: Yes

Unknown

Pathogen reduction of any blood components: Unknown

Blood screening tests: Yes

Post donation counselling of blood screening test results: Unknown



Pre-transfusion testing

Distribution of blood to hospitals / clinics: Yes

Crossmatching / compatibility testing for transfusion: Unknown

Transfusion of blood products: Unknown

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: Unknown
- Operate a fractionation facility to manufacture plasma derived medicinal products: Unknown

Other activities:

- Therapeutic collection of whole blood / plasma: Unknown
- Cord blood banking: Unknown
- Peripheral blood stem cells: Unknown
- Bone marrow: Unknown
- Solid organ transplants: Unknown
- Cornea: Unknown
- Other biomedical: Unknown
- Other: Unknown



National Society background

Structure of your NS blood program activities:

- Unknown
- Unknown

Relevant history for your NS blood program establishment: Unknown

Overall picture of the NS blood program scale and scope of activities: Unknown



Ecuador

Level of RC/RC involvement: A1

% National VNRBD: 98.59%

NS proportion of national blood supply (%): 75%

Number of units collected by NS: 224,332



Americas National Context

Population 18,001,000

GDP (USD) 115,049m

Human Development High

HDI 0.74

HDI rank (of 191) 95

Life expectancy at birth 73.7

Median age 28.8

Maternal mortality ratio 59.0
(per 100,000 live births)

National Blood Program

Blood program provision: Ministry of Public Health of Ecuador

Coordination: Regional/district

Fixed blood collection centres: 21

Blood testing/processing centres: Testing - 2
Processing - 6

National authority for blood program activities: Yes

Ministry of Public Health of Ecuador

Technical standards for blood programs: Yes

Technical Standard 2015 Blood Donation

National haemovigilance program: No

Blood program funding: Government budget item

% VNRBD: 98.59%

% Replacement donors: 1.41%

% Paid donors: 0

% Other donor types: 0

National blood demand met: Yes

Plasma fractionation within the country: No

Common uses of blood: Traumas, maternal health, cancer

Significant challenges: Implement as mandatory to perform the cytomegalovirus test, HTLB1

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, printing and disseminating materials, involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: National Society
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 244,872

Blood donor recruitment strategies: Yes

Pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, businesses, radio / tv, social media

Donor retention strategies: Yes

Loyalty programs / gifts, personalised sms / email

National Society Activities



Blood collection and processing

Blood donor interview: Yes

Blood collection: Yes

- Proportion (%) of the overall national blood supply: 75%
- Number of fixed collection sites: 21
- Proportion (%) whole blood collections donated at fixed collection sites: 35%
- Total number of individual donors who made a whole blood and/or apheresis donation: 0
- Number of new donors: 111,474
- Number of repeat / regular donors: 112,858
- Total number of collections: 224,332
- Number of whole blood collections: 224,332
- Number of plasmapheresis collections: 0
- Number of plateletpheresis collections: 1,699
- Number of red cell apheresis collections: 0
- Number of other collection types: 0
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 98.59%

Processing of blood into separate components: Yes

Concentrated red blood cells without buffy coat; platelet concentrate; Fresh frozen plasma; Plasma obtained after 8 hours; cryoprecipitate

Pathogen reduction of any blood components: No

Blood screening tests: Yes

Post donation counselling of blood screening test results: Yes



Pre-transfusion testing

Distribution of blood to hospitals / clinics: Yes

Crossmatching / compatibility testing for transfusion: Yes

Transfusion of blood products: No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: No
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: No



National Society background

Structure of your NS blood program activities:

- National
- Separate blood service

Relevant history for your NS blood program establishment:

The National Society has a network of blood services that supplies blood components to the transfusion medicine services of each hospital, where compatibility tests are performed for patient care.

Overall picture of the NS blood program scale and scope of activities:

The management model of the National Society centralizes serological, immunohematological and molecular screening (NAT) in the National Blood Center



El Salvador

Level of RC/RC involvement: A1

% National VNRBD: 45.00%

NS proportion of national blood supply (%): 15%

Number of units collected by NS: 8,501



Americas National Context

Population 6,336,392

GDP (USD) 32,489m

Human Development Medium

HDI 0.675

HDI rank (of 191) 125

Life expectancy at birth 70.7

Median age 27.7

Maternal mortality ratio 46.0
(per 100,000 live births)

National Blood Program

Blood program provision: Ministerio de Salud, Instituto Salvadoreño del Seguro Social, Cruz Roja Salvadoreña, Hospital Militar

Coordination: National

Fixed blood collection centres: 27

Blood testing/processing centres: 16

National authority for blood program activities: Yes

Details not provided

Technical standards for blood programs: Yes

Work standards in blood banks; "Guide to mobile collections"

National haemovigilance program: No

Blood program funding: GOES Funds

% VNRBD: 45.00%

% Replacement donors: 55.00%

% Paid donors: 0%

% Other donor types: 0%

National blood demand met: No

Plasma fractionation within the country: No

Common uses of blood: IRC; STD, Cancer, traumas, Anemia, etc

Significant challenges: That the population acquires the behavior of a voluntary blood donor

Relevant history / significant changes/impacts: ISO 9001/2015 certification, and work towards AABB accreditation.

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, Printing and disseminating materials, Involvement in World Blood Donor Day, Other: Mobile campaigns in companies and institutions



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: National Society
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 16,296

Blood donor recruitment strategies: Yes

Outreach / mobiles, Pre-donation education talks / seminars, Volunteer engagement, Schools / university engagement, Targeting youth, businesses, Radio / tv, Social media

Donor retention strategies: Yes

Personalised sms / email (thank you or reminder to donate), Booking service when donating

National Society Activities

**Blood collection and processing****Blood donor interview:** Yes**Blood collection:** Yes

- Proportion (%) of the overall national blood supply: 15%
- Number of fixed collection sites: 1
- Proportion (%) whole blood collections donated at fixed collection sites: 100
- Total number of individual donors who made a whole blood and/or apheresis donation: 8,501
- Number of new donors: 3,878
- Number of repeat / regular donors: 7,428
- Total number of collections: 8,501
- Number of whole blood collections: 8,501
- Number of plasmapheresis collections: 0
- Number of plateletpheresis collections: 0
- Number of red cell apheresis collections: 0
- Number of other collection types: 0
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 100%

Processing of blood into separate components: Yes

Red Blood Cell Concentrates; Fresh Frozen Plasma; Platelet Concentrate; Cryoprecipitates of factor VIII

Pathogen reduction of any blood components: No**Blood screening tests:** Yes**Post donation counselling of blood screening test results:** Yes**Pre-transfusion testing****Distribution of blood to hospitals / clinics:** Yes**Crossmatching / compatibility testing for transfusion:** No**Transfusion of blood products:** No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: Yes
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: No



National Society background

Structure of your NS blood program activities:

- National
- Hospital based blood centres

Relevant history for your NS blood program establishment: Obtaining ISO 9001/2015 certification

Overall picture of the NS blood program scale and scope of activities: Update registration with the CSSP



Grenada

Level of RC/RC involvement: **B**

% National VNRBD: Not provided

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Americas National Context

Population 125,438

GDP (USD) 1,256m

Human Development High

HDI 0.795

HDI rank (of 191) 68

Life expectancy at birth 74.9

Median age /

Maternal mortality ratio 25.0
(per 100,000 live births)

National Blood Program

Blood program provision: Ministry of Health National Blood Bank at General Hospital, Private Hospital SAMS do recruit donors

Coordination: Nationally

Fixed blood collection centres: 1

Blood testing/processing centres: 3

National authority for blood program activities: Unknown

Technical standards for blood programs: Not provided Not provided

National haemovigilance program: Not provided

Blood program funding: Not provided

% VNRBD: Not provided % Replacement donors: Not provided % Paid donors: Not provided % Other donor types: Not provided

National blood demand met: Not provided **Plasma fractionation within the country:** Not provided

Common uses of blood: Not provided

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities

Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Other: Community Health Fairs, Social media messaging, emails, partnership with national blood services

Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: Yes

- | | |
|--|---|
| • Strategy for blood donor recruitment and retention planning: Yes | • Paid positions (staff) for donor recruitment and retention: No |
| • Donor recruitment and retention activity funding:
No funding available at this time - voluntary service or collaboration with other organizations | • Number of donors recruited / registered to donate by the NS: 20 (operating since 28 October 2023) |

Blood donor recruitment strategies:

Other: Community Health Fairs, Social media messaging, emails, partnership with national blood services, will plan ongoing events, will promote a sign up link for the directory

Donor retention strategies:

Just started in planning stages for this but will emulate after 5 donations, 10 donations etc

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Persons are more sensitized now than before

Overall picture of the NS blood program scale and scope of activities:

Dedicated committee and staff for programming for sustainability



Guatemala

Level of RC/RC involvement: A1

% National VNRBD: 1%

NS proportion of national blood supply (%): 42%

Number of units collected by NS: 3,497



Americas National Context

Population 17,357,886

GDP (USD) 95,003m

Human Development Medium

HDI 0.627

HDI rank (of 191) 135

Life expectancy at birth 69.2

Median age 23.2

Maternal mortality ratio 95.0
(per 100,000 live births)

National Blood Program

Blood program provision: National Blood Transfusion Medicine Program of the Ministry of Health and Social Assistance who are rectors of the specialty. Guatemalan Institute of Social Security.

Coordination: National

Fixed blood collection centres: 41

Blood testing/processing centres: 41

National authority for blood program activities: Yes

Details not provided

Technical standards for blood programs: Yes

Ministerial Agreement SP-M-2 035-2003, Decree 87-97, chapter 1, article 1 to 4.

National haemovigilance program: Yes

Blood program funding: They operate with funds from the State of Guatemala

% VNRBD: 1%

% Replacement donors: 98%

% Paid donors: 1%

% Other donor types: 0%

National blood demand met: No

Plasma fractionation within the country: Yes

Common uses of blood: Blood transfusions for accidents, maternity, cancer, emergency and selective surgeries.

Significant challenges: Disasters, lack of awareness

Relevant history / significant changes/impacts: No

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, Printing and disseminating materials, Involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Government
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: 250 loyal donors

Blood donor recruitment strategies: Yes

Pre-donation education talks / seminars, Volunteer engagement, Schools / university engagement, Social media

Donor retention strategies: Yes

Booking service when donating, Other: If WhatsApp messages are sent, they are key to the importance of voluntary blood and the promotion of healthy life options.

National Society Activities



Blood collection and processing

Blood donor interview: Yes

Blood collection: Yes

- Proportion (%) of the overall national blood supply: 42%
- Number of fixed collection sites: 0
- Proportion (%) whole blood collections donated at fixed collection sites: 0
- Total number of individual donors who made a whole blood and/or apheresis donation: 3, 497
- Number of new donors: 3, 197
- Number of repeat / regular donors: 300
- Total number of collections: 3, 497
- Number of whole blood collections: 3, 497
- Number of plasmapheresis collections: 0
- Number of plateletpheresis collections: 0
- Number of red cell apheresis collections: 0
- Number of other collection types: 0
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 100%

Processing of blood into separate components: No

N/A

Pathogen reduction of any blood components: No

Blood screening tests: Yes

Post donation counselling of blood screening test results: Yes



Pre-transfusion testing

Distribution of blood to hospitals / clinics: Yes

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: No
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: Not provided
- Cornea: No
- Other biomedical: No
- Other: No



National Society background

Structure of your NS blood program activities:

- National
- Not provided

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities:

Bibliography, updated PDVS courses, Communication for behaviour change, and healthy lifestyles based on voluntary blood donation



Guyana

Level of RC/RC involvement: **B**

% National VNRBD: Information not provided

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Americas

National Context

Population 808,726

GDP (USD) 15,358m

Human Development High

HDI 0.714

HDI rank (of 191) 108

Life expectancy at birth 65.7

Median age 27.5

Maternal mortality ratio 169.0
(per 100,000 live births)

National Blood Program

Blood program provision: National Blood Transfusion Service (NBTS)

Coordination: National

Fixed blood collection centres: 10

Blood testing/processing centres: Details not provided

National authority for blood program activities: Yes Ministry of Health

Technical standards for blood programs: Yes Not provided

National haemovigilance program: No

Blood program funding: Government and cost recovery

% VNRBD: Information not provided % Replacement donors: Replacement donors are encouraged at hospital level % Paid donors: 0% % Other donor types: N/A

National blood demand met: No Plasma fractionation within the country: Not provided

Common uses of blood: Cancer, traumas and more surgeries being done in country

Significant challenges: COVID 19, and malaria, dengue etc. usually prevent the regular donation.

Relevant history / significant changes/impacts: Guyana Red Cross was involved in the very early stages of the development

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Involvement in WBDD, Other: community education sessions



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: National Society
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 100

Blood donor recruitment strategies:

Pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, social media

Donor retention strategies:

Donor clubs, sms/email (thank you/reminders to donate)

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Not provided

Overall picture of the NS blood program scale and scope of activities:

Not provided



Haiti

Not verified (did not respond)

Level of RC/RC involvement: A1

% National VNRBD: 41.3%

NS proportion of national blood supply (%): 100%

Number of units collected by NS: Unknown



Americas

National Context

Population 11,584,996

GDP (USD) 20,254m

Human Development Low

HDI 0.535

HDI rank (of 191) 163

Life expectancy at birth 63.2

Median age 24.1

Maternal mortality ratio 480.0
(per 100,000 live births)

National Blood Program

Blood program provision: Haitian Red Cross

Coordination: Unknown

Fixed blood collection centres: Unknown

Blood testing/processing centres: Unknown

National authority for blood program activities: Yes Unknown

Technical standards for blood programs: Yes Unknown

National haemovigilance program: No

Blood program funding: Unknown

% VNRBD: 41.3%

% Replacement donors: 58.7%

% Paid donors: 0%

% Other donor types:

National blood demand met: Unknown

Plasma fractionation within the country: Unknown

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Unknown



Donor recruitment and retention

Provision of pre and post donation care information to donors: **Yes**

Blood donor recruitment and retention: **Yes**

- Strategy for blood donor recruitment and retention planning: Unknown
- Donor recruitment and retention activity funding:
Ministry of Health, with specific projects funded by PEPFAR, Global Fund, Swiss Red Cross and American Red Cross

- Paid positions (staff) for donor recruitment and retention: Unknown
- Number of donors recruited / registered to donate by the NS: Unknown

Blood donor recruitment strategies: **Yes**

School/university programs, Club 25, corporate and church programs

Donor retention strategies: **Yes**

Unknown

National Society Activities



Blood collection and processing

Blood donor interview: Yes

Blood collection: Yes

- Proportion (%) of the overall national blood supply: 100%
- Number of fixed collection sites: Unknown
- Proportion (%) whole blood collections donated at fixed collection sites: Unknown
- Total number of individual donors who made a whole blood and/or apheresis donation: Unknown
- Number of new donors: Unknown
- Number of repeat / regular donors: Unknown
- Total number of collections: Unknown
- Number of whole blood collections: 27,752
- Number of plasmapheresis collections: Unknown
- Number of plateletpheresis collections: Unknown
- Number of red cell apheresis collections: Unknown
- Number of other collection types: Unknown
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 48%

Processing of blood into separate components: Yes

Unknown

Pathogen reduction of any blood components: Unknown

Blood screening tests: Yes

Post donation counselling of blood screening test results: Unknown



Pre-transfusion testing

Distribution of blood to hospitals / clinics: Yes

Crossmatching / compatibility testing for transfusion: Yes

Transfusion of blood products: No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: Unknown
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: Unknown
- Other: Unknown



National Society background

Structure of your NS blood program activities:

- National
- Unknown

Relevant history for your NS blood program establishment: Unknown

Overall picture of the NS blood program scale and scope of activities: Unknown



Honduras

Level of RC/RC involvement: A1

% National VNRBD: 22%

NS proportion of national blood supply (%): 75%

Number of units collected by NS: 48,216

National Blood Program



Americas

National Context

Population 10,432,860

GDP (USD) 31,718m

Human Development Medium

HDI 0.621

HDI rank (of 191) 137

Life expectancy at birth 70.1

Median age /

Maternal mortality ratio 65.0
(per 100,000 live births)

Blood program provision: Cruz Roja Hondureña, Ministerio de Salud hospitales

Coordination: Regional/district

Fixed blood collection centres: 25

Blood testing/processing centres: 9

National authority for blood program activities: No

In theory it is the National Blood Council, but it has not been operating since before 2010

Technical standards for blood programs: Yes

Norma Tecnica sobre el Uso de la Sangre

National haemovigilance program: No

Blood program funding: There is the CRH PNS which is self-sustaining. The government assigns budget items to each hospital for the supply of blood and blood products

% VNRBD: 22%

% Replacement donors: 78%

% Paid donors: N/A

% Other donor types: N/A

National blood demand met: No

Plasma fractionation within the country: No

Common uses of blood: Uterine bleeding, trauma, cardiovascular surgery

Significant challenges: Revert the percentage of replacement donors to voluntary altruistic, unpaid blood donors

Relevant history / significant changes/impacts: After the pandemic, voluntary donation increased from 15 to 22%

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, printing and disseminating materials, involvement in World Blood Donor Day, Other: We are participating in LUDS (United Latin America Donating Blood) in this year 2023 it is the second time that the PNS of the Honduran Red Cross participates



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: National Society
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 48,216

Blood donor recruitment strategies: Yes

Outreach / mobiles, pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, businesses, radio / tv, social media

Donor retention strategies: Yes

Donor clubs, personalised sms / email (thank you or reminder to donate)

National Society Activities



Blood collection and processing

Blood donor interview: Yes

Blood collection: Yes

- Proportion (%) of the overall national blood supply: 75%
- Number of fixed collection sites: 4
- Proportion (%) whole blood collections donated at fixed collection sites: 71%
- Total number of individual donors who made a whole blood and/or apheresis donation: 48,216
- Number of new donors: 50.88%
- Number of repeat / regular donors: 47.85%
- Total number of collections: 48,216
- Number of whole blood collections: 48,216
- Number of plasmapheresis collections: 0
- Number of plateletpheresis collections: 0
- Number of red cell apheresis collections: 0
- Number of other collection types: Details not provided
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 22.04%

Processing of blood into separate components: Yes

Packed red blood cells, fresh frozen plasma, cryoprecipitate, platelet pool inactivated from PRP

Pathogen reduction of any blood components: Yes

Blood screening tests: Yes

Post donation counselling of blood screening test results: Yes



Pre-transfusion testing

Distribution of blood to hospitals / clinics: Yes

Crossmatching / compatibility testing for transfusion: Yes

Transfusion of blood products: No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: Yes
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: No



National Society background

Structure of your NS blood program activities:

- National
- Separate blood service

Relevant history for your NS blood program establishment:

Since 1998, the Secretary of Health delegated the responsibility for the promotion, collection, division, storage and distribution of blood and blood products nationwide.

Overall picture of the NS blood program scale and scope of activities: The PNS currently distributes 75% of the blood components nationwide



Jamaica

Level of RC/RC involvement: C

% National VNRBD: 17.5%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program

Blood program provision: Government

Coordination: National

Fixed blood collection centres: 10 centres and a few mobile units

Blood testing/processing centres: Information not readily available

National authority for blood program activities: Yes

Ministry of Health & Wellness, National Blood Transfusion Service <https://nbts.gov.jm>

Technical standards for blood programs: Yes

<https://nbts.gov.jm>

National haemovigilance program: No

Blood program funding: Government

% VNRBD: 17.5%

% Replacement donors: 82.5%

% Paid donors: 0

% Other donor types: 0

National blood demand met: No

Plasma fractionation within the country: Not provided

Common uses of blood: Surgery and trauma

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided



Americas

National Context

Population 2,827,377

GDP (USD) 17,098m

Human Development High

HDI 0.709

HDI rank (of 191) 110

Life expectancy at birth 70.5

Median age 29.4

Maternal mortality ratio 80.0
(per 100,000 live births)

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Printing and disseminating materials, Other: public appeals via social media and to RC members when required and requested.



Donor recruitment and retention

Provision of pre and post donation care information to donors: **No**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: Details not provided



Mexico

Level of RC/RC involvement: A1

% National VNRBD: 8%

NS proportion of national blood supply (%): Unknown

Number of units collected by NS: 2,424



Americas

National Context

Population 127,504,125

GDP (USD) 1,414,187m

Human Development High

HDI 0.758

HDI rank (of 191) 86

Life expectancy at birth 70.2

Median age 29.3

Maternal mortality ratio 33.0
(per 100,000 live births)

National Blood Program

Blood program provision:

- Secretaría de Salud, Instituto Mexicano del Seguro Social,
- Centro Nacional de la Transfusión Sanguínea,
- Cruz Roja Mexicana

Coordination: Regional / district

Fixed blood collection centres: 536

Blood testing/processing centres: There is no information

National authority for blood program activities: Yes

COFEPRIS y
Centro Nacional de la Transfusión Sanguínea
NOM 253-SSA-1-2012

Technical standards for blood programs: Yes

National haemovigilance program: No

Blood program funding: Auto generator and partners

% VNRBD: 8%

% Replacement donors: 92%

% Paid donors: 0%

% Other donor types: 0%

National blood demand met: No

Plasma fractionation within the country: No

Common uses of blood: Maternal / child

Significant challenges: Education of blood donation at an early age. Dissemination of blood donation programs to the general public.

Relevant history / significant changes/impacts: Establishment of mobile campaigns, remodeling of the Blood Bank in CDMX

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, printing and disseminating materials, involvement in World Blood Donor Day, Other: Informative talks to the population where a campaign will be carried out, remotely or in person.



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Partners
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 2,130

Blood donor recruitment strategies: Yes

Pre-donation education talks / seminars, schools / university engagement, targeting youth, businesses, radio / tv, other: Loyalty of donors through acknowledgments and registration in the donor club, where reminders are given, etc.

Donor retention strategies: Yes

Donor clubs, personalised sms / email (thank you or reminder to donate)

National Society Activities



Blood collection and processing

Blood donor interview: Yes

Blood collection: Yes

- Proportion (%) of the overall national blood supply: The data is not available
- Number of fixed collection sites: 1
- Proportion (%) whole blood collections donated at fixed collection sites: 2.5
- Total number of individual donors who made a whole blood and/or apheresis donation: 2,424
- Number of new donors: The data is not available
- Number of repeat / regular donors: The data is not available
- Total number of collections: 2,424
- Number of whole blood collections: 2,424
- Number of plasmapheresis collections: 0
- Number of plateletpheresis collections: 0
- Number of red cell apheresis collections: 0
- Number of other collection types: 0
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 97%

Processing of blood into separate components: Yes

Red blood cell concentrate and plasma

Pathogen reduction of any blood components: No

Blood screening tests: Yes

Post donation counselling of blood screening test results: Yes



Pre-transfusion testing

Distribution of blood to hospitals / clinics: Yes

Crossmatching / compatibility testing for transfusion: Yes

Transfusion of blood products: Yes

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: Yes
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: No



National Society background

Structure of your NS blood program activities:

- Decentralised
- Both separate blood service and hospital based blood centres

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided



Panama

Not verified (did not respond)

Level of RC/RC involvement: C

% National VNRBD: 5.20%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program

Blood program provision: Unknown

Coordination: Unknown

Fixed blood collection centres: 30

Blood testing/processing centres: Unknown

National authority for blood program activities: Yes

Unknown

Technical standards for blood programs: Yes

Unknown

National haemovigilance program: No

Blood program funding: Unknown

% VNRBD: 5.20%

% Replacement donors: 90.30%

% Paid donors: 4.50%

% Other donor types: /

National blood demand met: Unknown

Plasma fractionation within the country: Unknown

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown



Americas

National Context

Population 10,142,619

GDP (USD) 76,523m

Human Development Very High

HDI 0.805

HDI rank (of 191) 61

Life expectancy at birth 76.2

Median age 30.1

Maternal mortality ratio 52.0
(per 100,000 live births)

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Details unknown



Donor recruitment and retention

Provision of pre and post donation care information to donors: **No**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: Details not provided



Paraguay

Level of RC/RC involvement: B

% National VNRBD: 12%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Americas National Context

Population 6,780,744

GDP (USD) 41,722m

Human Development High

HDI 0.717

HDI rank (of 191) 105

Life expectancy at birth 70.3

Median age 29.7

Maternal mortality ratio 129.0
(per 100,000 live births)

National Blood Program

Blood program provision: National Blood Program, normative and regulatory entity dependent on the Ministry of Public Health and Social Welfare. ? National Network of Blood Services of all sectors: Public Health, Social Security (IPS)-University (UNA)-Privates-Fundaciones.

Coordination: National

Fixed blood collection centres: 13

Blood testing/processing centres: 6

National authority for blood program activities: Yes

Technical standards for blood programs: Yes Ley de Sangre N° 3441/2008 ? Estándares de Trabajo. RESOLUCION SG. N° 563-2008 ? Protocolo de seguridad Transfusional. RESOLUCION SG N° 030-2019 ? Reglamento de habilitación de servicios de sangre. RESOLUCION SG. N° 526-2022

National haemovigilance program: Yes

Blood program funding: Presupposition of the Ministry of Public Health and Social Welfare

% VNRBD: 12%

% Replacement donors: 88%

% Paid donors: /

% Other donor types: /

National blood demand met: No

Plasma fractionation within the country: Yes

Common uses of blood: 1- Maternal health 2- Surgeries 3- Cancer 4- Trauma

Significant challenges: Reconversion of family or replacement donors to voluntary donors. Cultural change and early initiation of blood donation in young people

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Other: Social networks and chats



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: No
- Donor recruitment and retention activity funding: Details not provided
- Paid positions (staff) for donor recruitment and retention: Details not provided
- Number of donors recruited / registered to donate by the NS: Details not provided

Blood donor recruitment strategies:

Details not provided

Donor retention strategies:

Details not provided

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Not provided

Overall picture of the NS blood program scale and scope of activities:

Not provided



Peru

Not verified (did not respond)

Level of RC/RC involvement: B

% National VNRBD: 9.70%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program



Americas

National Context

Population 34,049,588

GDP (USD) 242,632m

Human Development High

HDI 0.762

HDI rank (of 191) 84

Life expectancy at birth 72.4

Median age 29.1

Maternal mortality ratio 88.0
(per 100,000 live births)

Blood program provision: Ministry of Health

Coordination: National

Fixed blood collection centres: 93

Blood testing/processing centres: 2

National authority for blood program activities: Yes

Unknown

Technical standards for blood programs: Yes

Unknown

National haemovigilance program: No

Blood program funding: Unknown

% VNRBD: 9.70%

% Replacement donors: 90.30%

% Paid donors: /

% Other donor types: /

National blood demand met: Unknown

Plasma fractionation within the country: Unknown

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Community education activities are coordinated by district/chapter by the National Society. They are funded by the National Society and private organizations.



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Coordinated nationally and at district/chapter level by the National Society.
- Donor recruitment and retention activity funding: National Society
- Paid positions (staff) for donor recruitment and retention: Unknown
- Number of donors recruited / registered to donate by the NS: Unknown

Blood donor recruitment strategies:

Uses volunteers for donor recruitment programs (school and university programs, Friends of Blood – Red Cross)

Donor retention strategies:

Unknown

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

The Peruvian Red Cross:

- has previously been involved at Level A
- is planning to expand activities

Overall picture of the NS blood program scale and scope of activities:

Unknown



Saint Kitts and Nevis

Americas National Context

Level of RC/RC involvement: **D**

% National VNRBD: Not provided

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



National Blood Program

Population	47,657
GDP (USD)	962m
Human Development	High
HDI	0.777
HDI rank (of 191)	75
Life expectancy at birth	71.7
Median age	/
Maternal mortality ratio (per 100,000 live births)	/

Blood program provision: St. Kitts and Nevis does not have a National Bank Program

Coordination: Not provided

Fixed blood collection centres: Not provided

Blood testing/processing centres: Hospital laboratories of which there are two

National authority for blood program activities: No N/A

Technical standards for blood programs: No N/A

National haemovigilance program: No

Blood program funding: N/A

% VNRBD: Voluntary donation is the primary method for planned surgical procedures requiring transfusion.

% Replacement donors: This is the main method of blood donation especially for emergency situations. A percentage is not documented

% Paid donors: None

% Other donor types: Hospital laboratories of which there are two

National blood demand met: Yes

Plasma fractionation within the country: No

Common uses of blood: Maternal/child health

Significant challenges: None documented

Relevant history / significant changes/impacts:

There has been informal discussions reference implementation of a blood bank, however there has been no formalization or development plans in this regard

National Society Activities

Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities: No

Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No

Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No

Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No

Fractionation and other activities

Fractionation activities: No

Other activities: No

National Society background

Relevant history for your NS blood program establishment: No history relevant to blood program for the NS

Overall picture of the NS blood program scale and scope of activities: No blood program involvement



Saint Lucia

Not verified (did not respond)

Level of RC/RC involvement: **B**

% National VNRBD: 56.23%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A

National Blood Program

Blood program provision: Ministry of Health

Coordination: Nationally

Fixed blood collection centres: Not provided

Blood testing/processing centres: 2

National authority for blood program activities: No

Unknown

Technical standards for blood programs: Yes

Unknown

National haemovigilance program: No

Blood program funding: Unknown

% VNRBD: 56.23%

% Replacement donors: 43.77%

% Paid donors: /

% Other donor types: /

National blood demand met: Unknown

Plasma fractionation within the country: Unknown

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown



Americas

National Context

Population 179,857

GDP (USD) 2,065m

Human Development High

HDI 0.715

HDI rank (of 191) 106

Life expectancy at birth 71.1

Median age /

Maternal mortality ratio 117.0
(per 100,000 live births)

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities:

Unknown



Donor recruitment and retention

Provision of pre and post donation care information to donors: **Unknown**

Blood donor recruitment and retention: **Yes**

- Strategy for blood donor recruitment and retention planning: Unknown
- Donor recruitment and retention activity funding: Government and Ministry of Health
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: Unknown

Blood donor recruitment strategies:

Pledge 25 and other, NS joins the National Blood Service of the Ministry of Health to assist with education, donor recruitment

Donor retention strategies:

Unknown

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Unknown

Overall picture of the NS blood program scale and scope of activities:

Unknown



Saint Vincent and the Grenadines

Americas National Context

Level of RC/RC involvement: 0

% National VNRBD: 8.40%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 103,948

GDP (USD) 949m

Human Development High

HDI 0.751

HDI rank (of 191) 89

Life expectancy at birth 69.6

Median age /

Maternal mortality ratio 68.0
(per 100,000 live births)

National Blood Program

Blood program provision: Ministry of Health

Coordination: National

Fixed blood collection centres: 1

Blood testing/processing centres: 1

National authority for blood program activities: Not provided Not provided

Technical standards for blood programs: Not provided N/A

National haemovigilance program: Not provided

Blood program funding: Government

% VNRBD: 8.40%

% Replacement donors: 91.60%

% Paid donors:

% Other donor types:

National blood demand met: No

Plasma fractionation within the country: Not provided

Common uses of blood: Not provided

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities: No



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided



Suriname

Level of RC/RC involvement: A1

% National VNRBD: 100%

NS proportion of national blood supply (%): 100%

Number of units collected by NS: 8,446

National Blood Program



Americas

National Context

Population 618,040

GDP (USD) 3,621m

Human Development High

HDI 0.73

HDI rank (of 191) 99

Life expectancy at birth 70.3

Median age 31

Maternal mortality ratio 120.0
(per 100,000 live births)

Blood program provision: Suriname Red Cross Society

Coordination: National

Fixed blood collection centres: 6

Blood testing/processing centres: 1

National authority for blood program activities: Yes

<https://gov.sr/ministeries/ministerie-van-volksgezondheid/>

Technical standards for blood programs: Yes

Details not provided

National haemovigilance program: Yes

Blood program funding: Service cost recovery from insurers, patients or government

% VNRBD: 100%

% Replacement donors:

% Paid donors:

% Other donor types:

National blood demand met: No

Plasma fractionation within the country: No

Common uses of blood: Maternal, planned operations, child health, cancer, hematologic disorders, trauma

Significant challenges: Changes In donor behaviour: due to the economic downturn in country.

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, printing and disseminating materials, involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Blood service, National Society
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 26,881 donors recruited (new and regular)

Blood donor recruitment strategies: Yes

Outreach / mobiles, pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, businesses, social media

Donor retention strategies: Yes

Personalised sms / email (thank you or reminder to donate), booking service when donating

National Society Activities



Blood collection and processing

Blood donor interview: Yes

Blood collection: Yes

- Proportion (%) of the overall national blood supply: 100%
- Number of fixed collection sites: 6
- Proportion (%) whole blood collections donated at fixed collection sites: 100%
- Total number of individual donors who made a whole blood and/or apheresis donation: 3,568
- Number of new donors: 785
- Number of repeat / regular donors: 2,610
- Total number of collections: 8,446
- Number of whole blood collections: 8,446
- Number of plasmapheresis collections: 0
- Number of plateletpheresis collections: 0
- Number of red cell apheresis collections: 0
- Number of other collection types: Not provided
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 100%

Processing of blood into separate components: Yes

Red cells, platelets, fresh frozen plasma

Pathogen reduction of any blood components: No

Blood screening tests: Yes

Post donation counselling of blood screening test results: Yes



Pre-transfusion testing

Distribution of blood to hospitals / clinics: Yes

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: No
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: No



National Society background

Structure of your NS blood program activities:

- National
- Separate blood service

Relevant history for your NS blood program establishment:

Not provided

Overall picture of the NS blood program scale and scope of activities:

Not provided





Trinidad and Tobago

Americas National Context

Level of RC/RC involvement: **B**

% National VNRBD: 22.05%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 1,531,044

GDP (USD) 27,899m

Human Development Very High

HDI 0.81

HDI rank (of 191) 57

Life expectancy at birth 73

Median age 37.8

Maternal mortality ratio 67.0
(per 100,000 live births)

National Blood Program

Blood program provision: Ministry of Health

Coordination: National

Fixed blood collection centres: Not provided

Blood testing/processing centres: 7

National authority for blood program activities: Yes

Blood Donation | Ministry of Health

Technical standards for blood programs: Yes

Not provided

National haemovigilance program: No

Blood program funding: Government

% VNRBD: 22.05%

% Replacement donors: 77.95%

% Paid donors:

% Other donor types:

National blood demand met: No

Plasma fractionation within the country: Not provided

Common uses of blood: Not provided

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: Yes*

- | | |
|--|--|
| • Strategy for blood donor recruitment and retention planning: Yes | • Paid positions (staff) for donor recruitment and retention: No |
| • Donor recruitment and retention activity funding: Government | • Number of donors recruited / registered to donate by the NS: N/A |

Blood donor recruitment strategies:

Volunteer engagement, Social media, Other: A small group of volunteers donate blood when required

Donor retention strategies:

Personalised sms/email

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Not provided

Overall picture of the NS blood program scale and scope of activities:

Not provided



United States of America

Americas National Context

Level of RC/RC involvement: **A1**

% National VNRBD: 99.90%

NS proportion of national blood supply (%): >40%

Number of units collected by NS: >6.3 million



Population	333,287,557
GDP (USD)	25,462,700m
Human Development	Very High
HDI	0.921
HDI rank (of 191)	21
Life expectancy at birth	77.2
Median age	38.5
Maternal mortality ratio	19.0 (per 100,000 live births)

National Blood Program

Blood program provision: Collections occur via Red Cross and mix of other organizations. Blood centers in the U.S. are regulated and licensed by the FDA. The Center for Biologics Evaluation and Research (CBER) within FDA is specifically responsible for oversight of the U.S. blood supply

Coordination: National and regional

Fixed blood collection centres: >600

Blood testing/processing centres: 65

National authority for blood program activities: Yes

Technical standards for blood programs: Yes

National haemovigilance program: Yes

Blood program funding: Detail not provided

% VNRBD: 99.90%

% Replacement donors: 0.10%

% Paid donors: /

% Other donor types: /

National blood demand met: Not provided

Plasma fractionation within the country: Yes

Common uses of blood: Inpatient Services, Critical Care, Outpatient, All Surgery, Emergency

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

The Center for Biologics Evaluation and Research (CBER) within FDA is specifically responsible for oversight of the U.S. blood supply

<https://www.fda.gov/about-fda/fda-organization/center-biologics-evaluation-and-research-cber>

<https://www.aabb.org/>

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, printing and disseminating materials, Other: cross-promotions and collaborations



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Blood Service
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: Not provided

Blood donor recruitment strategies: Yes

Outreach / mobiles, pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, businesses, radio / tv, social media

Donor retention strategies: Yes

Donor clubs, loyalty programs / gifts, personalised sms / email (thank you or reminder to donate), booking service when donating, Other: Special promotions, blood donor app

National Society Activities

**Blood collection and processing****Blood donor interview:** Yes**Blood collection:** Yes

- Proportion (%) of the overall national blood supply: more than 40%
- Number of fixed collection sites: Not provided
- Proportion (%) whole blood collections donated at fixed collection sites: Not provided
- Total number of individual donors who made a whole blood and/or apheresis donation:
Each year, on average, the American Red Cross collects nearly 4.5 million blood donations and more than 1 million platelet donations from more than 2.3 million volunteer donors.
- Number of new donors: Not provided
- Number of repeat / regular donors: Not provided
- Total number of collections:
Each year, on average, the American Red Cross delivers more than 6.3 million blood products for transfusion to meet the needs of patients at 2,500 hospitals and other facilities across the country
- Number of whole blood collections: Not provided
- Number of plasmapheresis collections: Not provided
- Number of plateletpheresis collections: Not provided
- Number of red cell apheresis collections: Not provided
- Number of other collection types: Not provided
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 100%

Processing of blood into separate components: Yes

Red cells, plasma, platelets, cryoprecipitate, fresh frozen plasma

Pathogen reduction of any blood components: Yes**Blood screening tests:** Yes**Post donation counselling of blood screening test results:** Yes**Pre-transfusion testing****Distribution of blood to hospitals / clinics:** Yes**Crossmatching / compatibility testing for transfusion:** Yes**Transfusion of blood products:** Yes

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: Yes
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: Yes
- Cord blood banking: No
- Peripheral blood stem cells: Yes
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: No



National Society background

Structure of your NS blood program activities:

- National
- Separate blood service

Relevant history for your NS blood program establishment:

The Red Cross developed the first nationwide civilian blood program in the 1940s and we still provide more than 40% of the blood products in this country.

Overall picture of the NS blood program scale and scope of activities: Not provided



Uruguay

Not verified (did not respond)

Level of RC/RC involvement: C

% National VNRBD: 43.90%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Americas

National Context

Population 3,422,794

GDP (USD) 71,177m

Human Development Very High

HDI 0.809

HDI rank (of 191) 58

Life expectancy at birth 75.4

Median age 35.5

Maternal mortality ratio 17.0
(per 100,000 live births)

National Blood Program

Blood program provision: Unknown

Coordination: Unknown

Fixed blood collection centres: 74

Blood testing/processing centres: Unknown

National authority for blood program activities: Unknown Unknown

Technical standards for blood programs: Yes Unknown

National haemovigilance program: Unknown

Blood program funding: Unknown

% VNRBD: 43.90% % Replacement donors: 56.10% % Paid donors: / % Other donor types: /

National blood demand met: Unknown Plasma fractionation within the country: Unknown

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

World Blood Donor Day; Blood donation campaigns, particularly targeting youth groups.

The Uruguayan Red Cross occasionally supports State Government blood donor recruitment campaigns, however this is not a regular activity of the National Society.



Donor recruitment and retention

Provision of pre and post donation care information to donors: **No**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: Details not provided



Venezuela

Level of RC/RC involvement: C

% National VNRBD: N/A

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Americas National Context

Population 28,301,696

GDP (USD) 482,359m

Human Development Medium

HDI 0.691

HDI rank (of 191) 120

Life expectancy at birth 70.6

Median age 30

Maternal mortality ratio 125.0
(per 100,000 live births)

National Blood Program

Blood program provision: Ministry of Health

Coordination: Regional

Fixed blood collection centres: 339

Blood testing/processing centres: Not provided

National authority for blood program activities: No N/A

Technical standards for blood programs: No N/A

National haemovigilance program: No

Blood program funding: N/A

% VNRBD: N/A

% Replacement donors: N/A

% Paid donors: N/A

% Other donor types: N/A

National blood demand met: No

Plasma fractionation within the country: Yes

Common uses of blood: Surgical

Significant challenges: Difficulty encouraging donors

Relevant history / significant changes/impacts: N/A

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Media, involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: **Yes**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: Only promotion is carried out on the importance of donating blood.

Overall picture of the NS blood program scale and scope of activities: Details not provided

Asia Pacific - regional summary

National Societies by Category

Category A1

Australia
Bangladesh
Hong Kong*
India
Indonesia
Japan
Korea, Republic of
Laos
Nepal
Pakistan
Philippines
Thailand
Vietnam

Category C

Afghanistan
Brunei Darussalam
Democratic People's Republic of Korea
Papua New Guinea

Category A2

Nil

Nil (no involvement)

New Zealand
Vanuatu

Category B

Bhutan
Cambodia
China
Cook Islands
Fiji
Kiribati
Malaysia
Maldives
Marshall Islands
Micronesia
Mongolia
Myanmar
Palau
Samoa
Singapore
Solomon Islands
Sri Lanka
Timor Leste
Tonga
Tuvalu

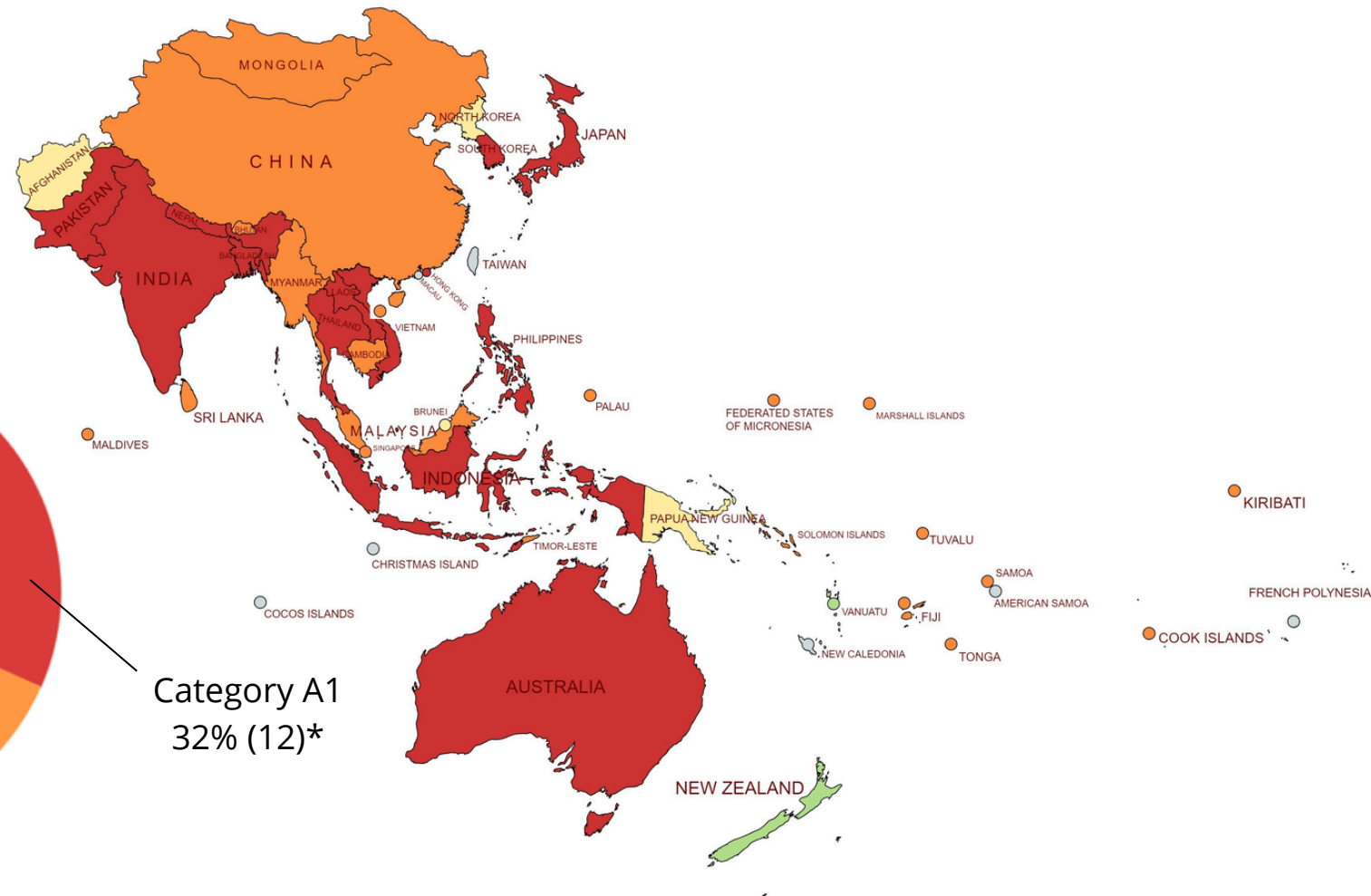
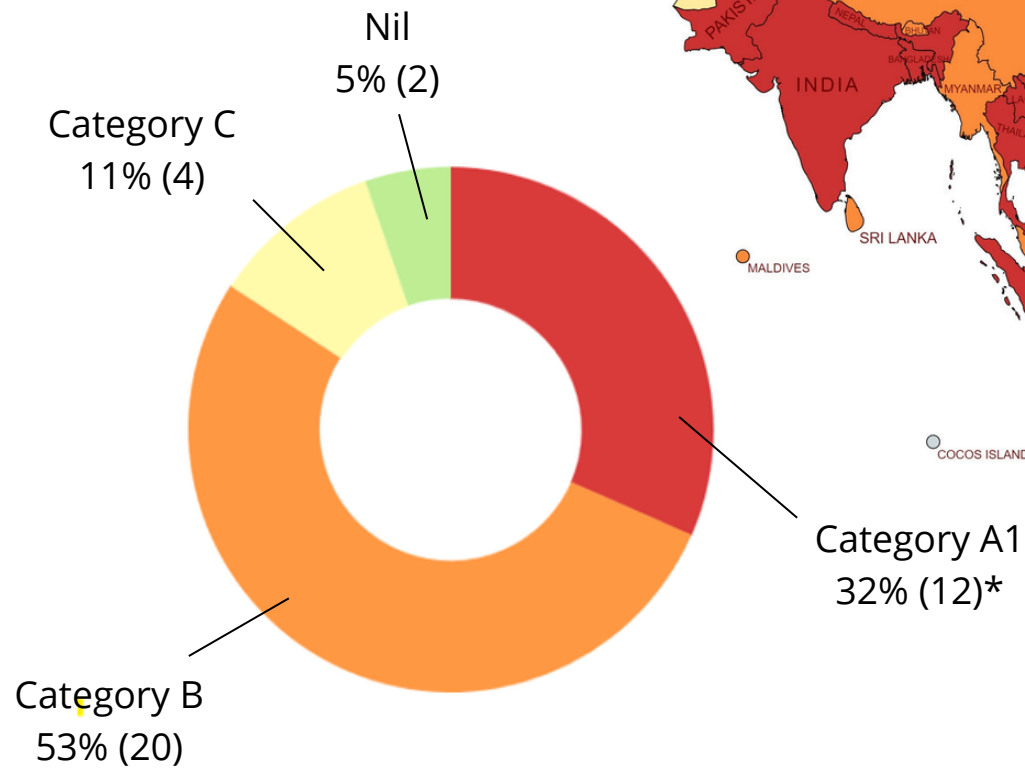


[Link to legend](#)

* Hong Kong Red Cross is a Branch of the Red Cross Society of China

National Society Categories

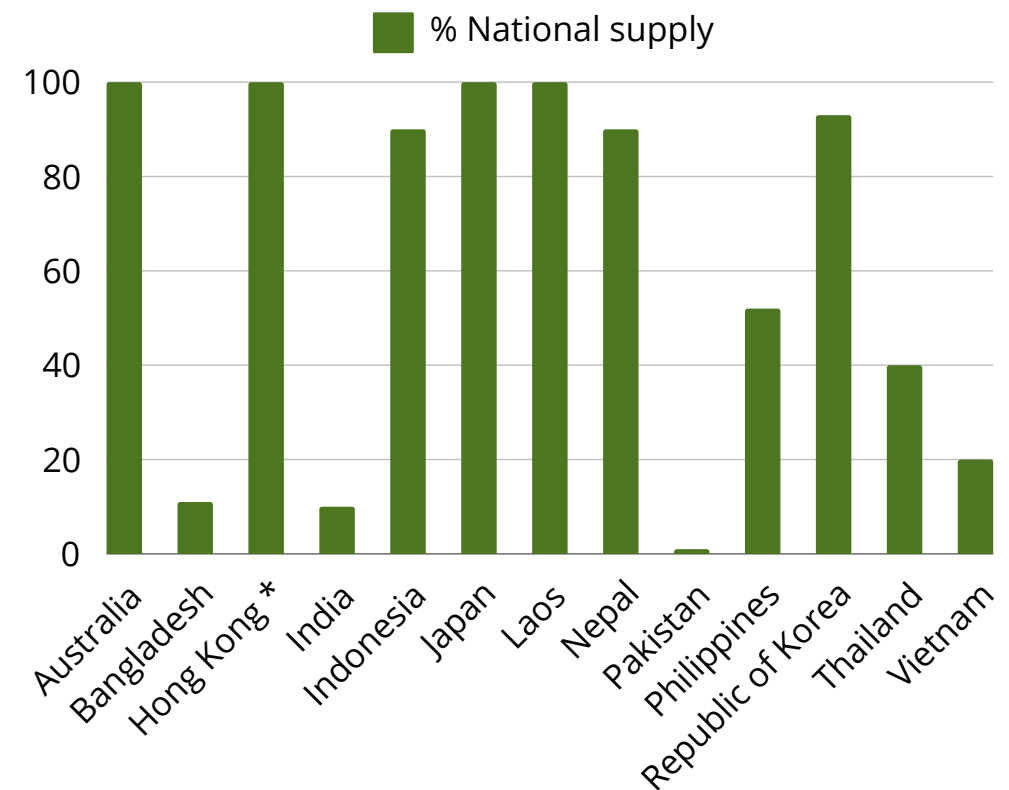
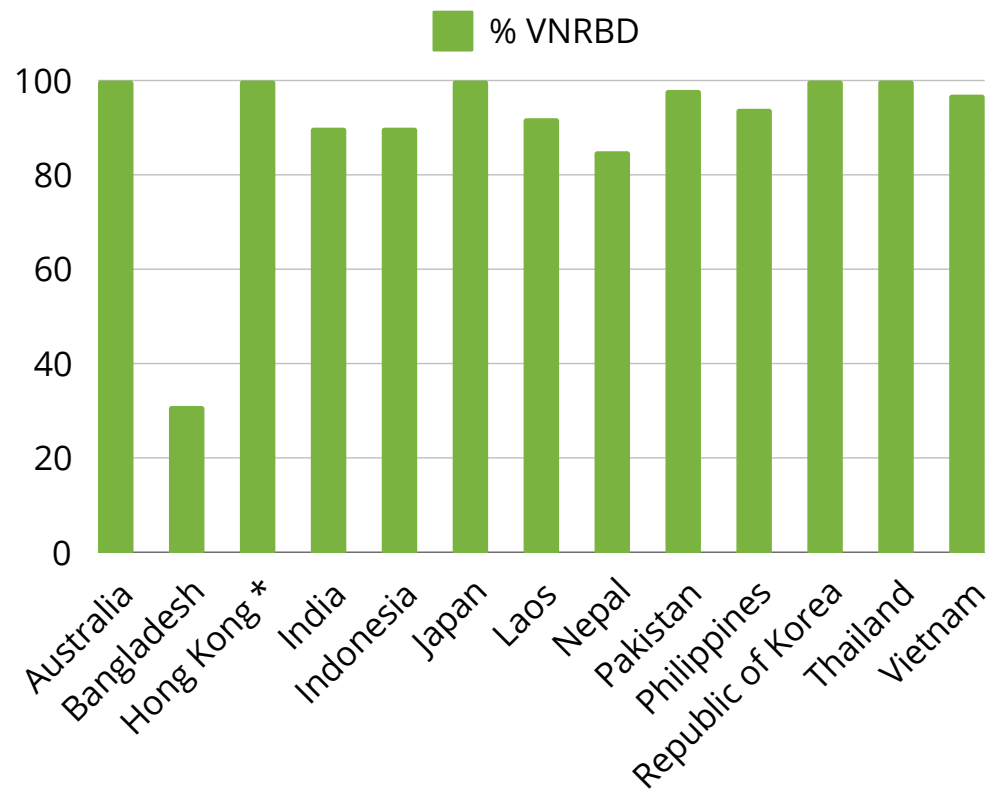
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[Link to legend](#)

*Results do not include the Hong Kong Red Cross (Branch of the Red Cross Society of China). Hong Kong Red Cross operates a Category A1 National Society blood service.

Voluntary blood donation and national blood supply by National Society (Category A NS)



* Hong Kong Red Cross is a Branch of the Red Cross Society of China



Afghanistan

Asia Pacific National Context

Level of RC/RC involvement: **C**

% National VNRBD: 39%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 41,128,771

GDP (USD) 14,583m

Human Development Low

HDI 0.478

HDI rank (of 191) 180

Life expectancy at birth 62

Median age 19.5

Maternal mortality ratio 638.0
(per 100,000 live births)

National Blood Program

Blood program provision: Afghanistan National Blood Safety and Transfusion Service (ANBSTS)

Coordination: National and regional

Fixed blood collection centres: 1 standalone and 288 hospital-based

Blood testing/processing centres:

National authority for blood program activities: Yes

Afghanistan National Blood Safety and Transfusion Service (ANBSTS)

Technical standards for blood programs: Yes

Not provided

National haemovigilance program: Not provided

Blood program funding: Not provided

% VNRBD: 39%

% Replacement donors: 61%

% Paid donors:

% Other donor types:

National blood demand met: Not provided

Plasma fractionation within the country: Not provided

Common uses of blood: Cancer, child health and traffic accident

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Printing and disseminating materials



Donor recruitment and retention

Provision of pre and post donation care information to donors: **No**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: Details not provided



Australia

Asia Pacific National Context

Level of RC/RC involvement: **A1**

% National VNRBD: 100%

NS proportion of national blood supply (%): 100%

Number of units collected by NS: 1,607,831



Population 25,978,935

GDP (USD) 1,675,419m

Human Development Very High

HDI 0.951

HDI rank (of 191) 5

Life expectancy at birth 84.5

Median age 37.5

Maternal mortality ratio 6.0
(per 100,000 live births)

National Blood Program

Blood program provision: Australian Red Cross Lifeblood

Coordination: National

Fixed blood collection centres: 79

Blood testing/processing centres: 4

National authority for blood program activities: Yes

- Yes, The Therapeutic Goods Administration (TGA) is the regulatory body that licenses Lifeblood to manufacture blood and blood products and other biological products. It's responsible for administering the provisions of the Therapeutic Goods Act 1989. To meet the requirements of this Act, Lifeblood must comply with the Australian Code of Good Manufacturing Practice for Human Blood and Blood Components, Human Tissues and Human Cellular Therapy Products. We also seek accreditation for our activities through other regulatory bodies, including the National Association of Testing Authorities (NATA), and the American Society for Histocompatibility and Immunogenetics (ASHI).
- <https://www.tga.gov.au>
- <https://nata.com.au/>
- <https://www.ashi-hla.org/page/standards>

Technical standards for blood programs:

- Yes
- TGA Australian Code of Good Manufacturing Practice for Human Blood and Blood Components, Human Tissues and Human Cellular Therapy Products, European Directorate for the Quality of Medicines & HealthCare Guide to the preparation, use and quality assurance of blood components

National haemovigilance program: Yes

Blood program funding: Australian governments fund Lifeblood to provide life-giving blood, blood-products and services to the Australian community. Australian governments pay for blood products through the national blood arrangement. Patients are not required to pay for blood products in Australia.

National Blood Program

% VNRBD: 100%

% Replacement donors: 0

% Paid donors: 0

% Other donor types: 0

National blood demand met: Yes

Plasma fractionation within the country: Yes

- Common uses of blood:
- Cancer and blood disease 34%
 - Other causes of anaemia 19%
 - Surgical patients including open heart surgery and burns 18%
 - Other medical problems including heart, stomach and kidney disease 13%
 - Orthopaedic patients, including fractures and joint replacements 10%
 - Obstetrics, including pregnancy women, new mothers and young children 4%
 - Trauma including road accidents 2%

<https://www.lifeblood.com.au/patients/types-of-transfusions/red-cells>

Significant challenges: No

Relevant history / significant changes/impacts:

In Australia, a statutory agency within the Australian Government, called the National Blood Authority (NBA), manages and coordinates the arrangements for the supply of blood and blood products and services on behalf of the Australian Government and state and territory governments. A Deed of Agreement exists between the NBA and the Australian Red Cross specifying the Australian Red Cross Blood Service (the Blood Service) as the organisation that will undertake these activities.



National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, printing and disseminating materials, involvement in World Blood Donor Day

Lifeblood has a large focus on community education and advocacy. This includes teams and programs that are focused on government relations, community engagement and local area marketing. We execute this integrated program across a combination of paid, owned, earned and partner channels. Lifeblood Teams (group donations) and leveraging social media channels are especially important.



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Blood Service
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 116,951

Blood donor recruitment strategies: Yes

Outreach / mobiles, targeting youth, targeting businesses, radio / tv, social media

Donor retention strategies: Yes

Donor clubs, loyalty program, personalised SMS / email, booking service when donating

Lifeblood is heavily focused on voluntary donor retention. This includes leveraging our automated, personalised omni-channel lifecycle marketing program with trigger based invitations, appointment reminders and ad-hoc communications, a gift-based Rewards & Recognition program, ongoing investment towards improving the donor in-centre experience.

National Society Activities

**Blood collection and processing****Blood donor interview:** Yes**Blood collection:** Yes

- Proportion (%) of the overall national blood supply: 100%
- Number of fixed collection sites: 79
- Proportion (%) whole blood collections donated at fixed collection sites: 76.79%
- Total number of individual donors who made a whole blood and/or apheresis donation: 536,966
- Number of new donors: 116,951
- Number of repeat / regular donors: 420,015
- Total number of collections: 1,607,831
- Number of whole blood collections: 712,349
- Number of plasmapheresis collections: 838,444
- Number of plateletpheresis collections: 25,141
- Number of red cell apheresis collections: N/A
- Number of other collection types: N/A
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 100%

Processing of blood into separate components: Yes

Red cells, plasma for transfusion, plasma for fractionation, platelets (pooled buffy coats), cryoprecipitate.
Apheresis derived plasma for transfusion, plasma for fractionation, platelets, cryoprecipitate

Pathogen reduction of any blood components: No**Blood screening tests:** Yes**Post donation counselling of blood screening test results:** Yes**Pre-transfusion testing****Distribution of blood to hospitals / clinics:** Yes**Crossmatching / compatibility testing for transfusion:** No**Transfusion of blood products:** No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: Yes
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: Yes
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: Yes - sample collection only to support entry to the bone marrow registry
- Other biomedical:
 - Yes - Lifeblood has two Human milk processing facilities collecting and supplying human milk for vulnerable pre-term babies [collection, processing, storage and distribution]. 3972L milk was supplied in 2022/23
 - Lifeblood has one Microbiome facility supplying faecal microbiota for transplant for approved clinical trials
 - NOTE: information current as of December 2023
- Other:
 - Research and development program (<https://www.lifeblood.com.au/our-research>)
 - Innovation Development Centre (<https://www.lifeblood.com.au/blood/eligibility/how-you-can-give-life/innovate>)
 - Specialised transplantation and immunogenetics testing services
 - Collaboration with govt on delivering patient blood management education, resources and clinical advice for transfusion medicine
- Solid organ transplants: Yes - tissue typing and organ donor matching across
- Cornea: No

National Society Activities



National Society background

Structure of your NS blood program activities:

- National
- Separate blood service

Relevant history for your NS blood program establishment:

The Australian Red Cross has been the sole provider of blood components for transfusion in Australia since its establishment as a hospital transfusion service in 1929. In 1996, individual state and territory blood transfusion services operated by local Red Cross chapters amalgamated to form the Australian Red Cross Blood Service. In 2019 the blood service changed its name to Australian Red Cross Lifeblood.

Overall picture of the NS blood program scale and scope of activities:

Governance: Australian Red Cross Lifeblood (Lifeblood) is an operating division of the Australian Red Cross Society. The Lifeblood Board reports to the Australian Red Cross Board, which has overall responsibility and oversight and appoints all non-executive board members. The National Blood Authority is a statutory agency within the Australian Government health portfolio that manages and coordinates arrangements for the supply of blood products and services on behalf of the Australian Government and state and territory governments. Australian governments fund Lifeblood to provide blood, blood products and services to the Australian community. A Deed of Agreement signed between the National Society (Australian Red Cross Society) and the National Blood Authority representing the Commonwealth of Australia, reflects a commitment to deliver a safe, secure and affordable blood supply to the Australian community. The scale and scope of Lifeblood's activities are outlined on its website and in its Strategic plan, annual Business plan, and Annual report.



Bangladesh

Level of RC/RC involvement: **A1**

% National VNRBD: 22%

NS proportion of national blood supply (%): 12%

Number of units collected by NS: 64,216



Population	171,186,372
GDP (USD)	460,201m
Human Development	Medium
HDI	0.661
HDI rank (of 191)	129
Life expectancy at birth	72.4
Median age	27.9
Maternal mortality ratio (per 100,000 live births)	173.0

National Blood Program

- Blood program provision:
- Government / private hospital based blood banks
 - Bangladesh Red Crescent Society
 - Shandhani, Medical college based voluntary organization
 - Quantum, Police blood bank and Badhan, private organization

Coordination: National and regional/district

Fixed blood collection centres: All public and private hospitals have their own blood collection

Blood testing/processing centres: No statistics

National authority for blood program activities: Yes

SBTP

Technical standards for blood programs: Yes

Safe Blood Transfusion act 2008, SRO 145, Clinical transfusion practice guidelines

National haemovigilance program: Yes

Blood program funding: Own income

% VNRBD: 22%

% Replacement donors: 78%

% Paid donors: 0

% Other donor types:

National blood demand met: Not provided

Plasma fractionation within the country: No

Common uses of blood: Maternal/child health, surgery, cancer, burn, thalassemia

Significant challenges: Quality control and Quality assurance

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Printing and disseminating materials, involvement in World Blood Donor Day, Other



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Blood Service
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 64,216

Blood donor recruitment strategies: Yes

Outreach / mobiles, pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, businesses, social media, other: Motivation those coming as FRD at the center

Donor retention strategies: Yes

Donor clubs, loyalty programs / gifts, personalised sms / email (thank you or reminder to donate)

National Society Activities

**Blood collection and processing****Blood donor interview:** Yes**Blood collection:** Yes

- Proportion (%) of the overall national blood supply: 12%
- Number of fixed collection sites: 8
- Proportion (%) whole blood collections donated at fixed collection sites: 43%
- Total number of individual donors who made a whole blood and/or apheresis donation: 64,216
- Number of new donors: Details not provided
- Number of repeat / regular donors: Details not provided
- Total number of collections: 64,216
- Number of whole blood collections: 49,411
- Number of plasmapheresis collections: 7,534 (FFP)
- Number of plateletpheresis collections: 6,033 (RDP & SDP)
- Number of red cell apheresis collections: 15,286 (PCV)
- Number of other collection types:
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 18%

Processing of blood into separate components: Yes

Packed cell, washed cell, fresh frozen plasma, platelets, cryoprecipitate, fresh plasma

Pathogen reduction of any blood components: Yes**Blood screening tests:** No**Post donation counselling of blood screening test results:** Yes**Pre-transfusion testing****Distribution of blood to hospitals / clinics:** Yes**Crossmatching / compatibility testing for transfusion:** Yes**Transfusion of blood products:** Yes

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: No
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: No



National Society background

Structure of your NS blood program activities:

- National and decentralised
- Both separate blood service and hospital based blood centres

Relevant history for your NS blood program establishment:

Not provided

Overall picture of the NS blood program scale and scope of activities:

Not provided



Main entrance of the blood center



Bhutan

Asia Pacific National Context

Level of RC/RC involvement: **B**

% National VNRBD: 71%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population	782,455
GDP (USD)	2,540m
Human Development	Medium
HDI	0.666
HDI rank (of 191)	127
Life expectancy at birth	71.8
Median age	29.1
Maternal mortality ratio (per 100,000 live births)	183.0

National Blood Program

Blood program provision: Ministry of Health (National Blood Transfusion Service)

Coordination: National

Fixed blood collection centres: 27 (hospital based)

Blood testing/processing centres: 27 (hospital based)

National authority for blood program activities: Yes

Ministry of Health (National Blood Transfusion Service)

<https://bloodsafety.gov.bt/>

Technical standards for blood programs: Yes

National Guidelines on Blood Donor Assessment and Selection Procedures

National Guidelines on Appropriate Clinical Use of Blood

National Standards for Blood Transfusion Service

National Guidelines on Screening Donated Blood for TTIs

Guidelines for National External Quality Assessment Scheme in Blood Group Serology (NEQAS-BGS)

Guidelines for National External Quality Assessment Scheme for STI/TTI Serology (NEQAS-STI/TTI)

Guidelines for Mobile donation Camp

<https://bloodsafety.gov.bt/information-publications/national-guidelines>

National haemovigilance program: Yes

Blood program funding: Not provided

% VNRBD: 71%

% Replacement donors: 29%

% Paid donors: 0

% Other donor types: 0

National blood demand met: No

Plasma fractionation within the country: Not provided

Common uses of blood: Not provided

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, printing and disseminating materials, involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: National Society
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: Details not provided

Blood donor recruitment strategies:

Outreach / mobiles, volunteer engagement, schools / university engagement, targeting youth, radio / tv, social media

Donor retention strategies:

Other: Refreshment and meals to donors

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

No significant changes

Overall picture of the NS blood program scale and scope of activities:

Blood program is a key mandate for Bhutan Red Cross Society (BRCS) under the health division. BRCS organizes blood donation camp every month in collaboration with the blood bank to address the shortage of blood in the branches



Brunei Darussalam

Not verified (did not respond)

Level of RC/RC involvement: C

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Asia Pacific

National Context

Population 449,002

GDP (USD) 16,682m

Human Development Very High

HDI 0.829

HDI rank (of 191) 51

Life expectancy at birth 74.6

Median age 31.1

Maternal mortality ratio 31.0
(per 100,000 live births)

National Blood Program

Blood program provision: Blood Donation Centre at Raja Isteri Pengiran Anak Saleha (RIPAS) Hospital

Coordination: National

Fixed blood collection centres: 5 (hospital based)

Blood testing/processing centres: 5 (hospital based)

National authority for blood program activities: No N/A

Technical standards for blood programs: Yes Unknown

National haemovigilance program: No

Blood program funding: Unknown

% VNRBD: 100%

% Replacement donors: 0%

% Paid donors: 0

% Other donor types: 0

National blood demand met: Unknown

Plasma fractionation within the country: Unknown

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Details



Donor recruitment and retention

Provision of pre and post donation care information to donors: **No**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: Details not provided



Cambodia

Level of RC/RC involvement: **B**

% National VNRBD: 10%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 16,767,842

GDP (USD) 29,957m

Human Development Medium

HDI 0.593

HDI rank (of 191) 146

Life expectancy at birth 69.6

Median age 26.4

Maternal mortality ratio 160.0
(per 100,000 live births)

National Blood Program

Blood program provision: National Blood Transfusion Centre (NBTC)

Coordination: National

Fixed blood collection centres: 23

Blood testing/processing centres: 23

National authority for blood program activities: No N/A

Technical standards for blood programs: Yes AfsBT

National haemovigilance program: Not Provided

Blood program funding: Not Provided

% VNRBD: 10%

% Replacement donors: 90%

% Paid donors: 0

% Other donor types: 0

National blood demand met: Not provided

Plasma fractionation within the country: Not provided

Common uses of blood: Not provided

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Involvement in World Blood Donor Day, Other: High School Youths Program Training



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: No
- Donor recruitment and retention activity funding: Blood Service
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS:
Total: 449 donors (Female: 129 donors) on 14th June 2023

Blood donor recruitment strategies:

Volunteer engagement, schools / university engagement,

Donor retention strategies:

Other: Announcement and Invitation to Youths from High Schools and Universities

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

NS always supports, encourages and send importance messages to youths during training in High School or Universities how the necessary of kindness blood donation to save people lives.

Overall picture of the NS blood program scale and scope of activities:

Cambodian Red Cross Phnom Penh Municipality Branch (CRC-PNH) is working directly with National Blood Transfusion Center (NBTC) as a partner. CRC-PNH always involves and invites youth to join blood donation event 2 times per year (Valentine's day and World Blood Day prepared by NBTC)



China, People's Republic of

Not verified

Level of RC/RC involvement: **B**

% National VNRBD: 99.70%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population	1,412,175,000
GDP (USD)	17,963,171m
Human Development	High
HDI	0.768
HDI rank (of 191)	79
Life expectancy at birth	78.2
Median age	38.4
Maternal mortality ratio	29.0
(per 100,000 live births)	

National Blood Program

Blood program provision: National Health and Family Planning Commission (NHFPC)

Coordination: National

Fixed blood collection centres: 452

Blood testing/processing centres: 452

National authority for blood program activities: Yes

Blood Products Management Regulations

<https://eng.csbt.org.cn/portal/list/index/id/200.html>

Technical standards for blood programs: Yes

<https://www.csbt.org.cn/plus/view.php?aid=144>

National haemovigilance program: No

Blood program funding: Unknown

% VNRBD: 99.70%

% Replacement donors: 0.30%

% Paid donors: 0

% Other donor types: 0

National blood demand met: Unknown

Plasma fractionation within the country: Yes

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities:

Unknown



Donor recruitment and retention

Provision of pre and post donation care information to donors: **Unknown**

Blood donor recruitment and retention: **Yes**

- Strategy for blood donor recruitment and retention planning: Unknown
- Donor recruitment and retention activity funding: Government / Ministry of Health
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: Unknown

Blood donor recruitment strategies:

Unknown

Donor retention strategies:

Unknown

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Unknown

Overall picture of the NS blood program scale and scope of activities:

Unknown



Cook Islands

Level of RC/RC involvement: **B**

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



National Blood Program

Population 17,583

GDP (USD) 183m

Human Development

HDI /

HDI rank (of 191) /

Life expectancy at birth /

Median age /

Maternal mortality ratio /
(per 100,000 live births)

Blood program provision: Ministry of Health with support from Cook Islands Red Cross

Coordination: National

Fixed blood collection centres: 2

Blood testing/processing centres: 1

National authority for blood program activities: Yes Ministry of Health

Technical standards for blood programs: Yes Not provided

National haemovigilance program: Not provided

Blood program funding: Government

% VNRBD: 100%

% Replacement donors: 0

% Paid donors: 0

% Other donor types: 0

National blood demand met: Yes

Plasma fractionation within the country: No

Common uses of blood: Medical conditions requiring ongoing transfusions, Maternal, Trauma

Significant challenges: Donor availability when there is an urgent need for blood. Finding donors with rare blood types

Relevant history / significant changes/impacts: No

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, Printing and disseminating materials, Involvement in World Blood Donor Day, Other: Radio ads, blood donor recruitment drives at local ministries and businesses



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: No
- Donor recruitment and retention activity funding: Government
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 25

Blood donor recruitment strategies:

Outreach / mobiles, Volunteer engagement, Schools / university engagement, Targeting youth, businesses, Radio / tv, Social media

Donor retention strategies:

Other: Gifts to regular donors, refreshments after donating, recognition on World Blood Donor Day and on our facebook page

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

N/A

Overall picture of the NS blood program scale and scope of activities:

The Cook Islands Blood Donation Program is 100% voluntary (VNRBD). The NS organizes every blood drive and provides the location and refreshments. Recruitment drives & blood donor activities are also organized through the NS. The main challenge we face is retaining reliable blood donors, and maintaining a supply of rare blood types.



Level of RC/RC involvement: B

% National VNRBD: 98%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population	1,341,296
GDP (USD)	4,943m
Human Development	Medium
HDI	0.0607
HDI rank (of 191)	140
Life expectancy at birth	67.7
Median age	19.6
Maternal mortality ratio (per 100,000 live births)	142.0

National Blood Program

Blood program provision: Fiji National Blood Service

Coordination: National and regional

Fixed blood collection centres: 3 hospitals (Suva, Labasa and Lautoka)

Blood testing/processing centres: Not provided

National authority for blood program activities: Yes

Fiji National Blood Services

Technical standards for blood programs: Yes

Details not provided

National haemovigilance program: Yes

Blood program funding: Allocation from the Ministry of Health and Medical Services Fiji to assist Fiji National Blood Services.

% VNRBD: 98%

% Replacement donors: 2%

% Paid donors: 0

% Other donor types: 0

National blood demand met: Yes

Plasma fractionation within the country: Yes

Common uses of blood: NCDs, Mothers giving birth, surgeries

Significant challenges: after COVID, trying to get back pool of voluntary donors

Relevant history / significant changes/impacts: Blood Services was under the Red Cross and then the Ministry of Health took over

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, Printing and disseminating materials, Involvement in World Blood Donor Day, Other: creating awareness



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: No
- Donor recruitment and retention activity funding: National Society
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: 2000+

Blood donor recruitment strategies:

Outreach / mobiles, Volunteer engagement, Schools / university engagement, Radio / tv, Social media, Other: Community awareness

Donor retention strategies:

Other: School, University, Cooperate companies, communities

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Not provided

Overall picture of the NS blood program scale and scope of activities:

Blood program is a priority in the National Society and funding is a huge need to promote Blood recruitment and registration



Hong Kong SAR*

Asia Pacific National Context

Level of RC/RC involvement: **A1**

% National VNRBD: 100%

NS proportion of national blood supply (%): 100%

Number of units collected by NS: 204,573



Population 7,346,100

GDP (USD) 359,839m

Human Development Very High

HDI 0.952

HDI rank (of 191) 4

Life expectancy at birth 85.5

Median age 45.6

Maternal mortality ratio /
(per 100,000 live births)

National Blood Program

Blood program provision: Hong Kong Red Cross Blood Transfusion Service

Coordination: National

Fixed blood collection centres: 10

Blood testing/processing centres: 1

National authority for blood program activities: Yes Hospital Authority

Technical standards for blood programs: No N/A

National haemovigilance program: Yes

Blood program funding: Government

% VNRBD: 100%

% Replacement donors: N/A

% Paid donors: N/A

% Other donor types: N/A

National blood demand met: Yes

Plasma fractionation within the country: No

Common uses of blood: Medical diseases (in particular haematology and oncology)

Significant challenges: Infectious disease risk

Relevant history / significant changes/impacts: Since 1952

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, printing and disseminating materials, involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Blood Service, Government
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: about 120,000 donors

Blood donor recruitment strategies: Yes

Outreach / mobiles, pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, businesses, radio / tv, social media

Donor retention strategies: Yes

Loyalty programs / gifts, personalised sms / email (thank you or reminder to donate)

National Society Activities

**Blood collection and processing****Blood donor interview:** Yes**Blood collection:** Yes

- Proportion (%) of the overall national blood supply: 100%
- Number of fixed collection sites: 10
- Proportion (%) whole blood collections donated at fixed collection sites: 85%
- Total number of individual donors who made a whole blood and/or apheresis donation: 119,967 (2022)
- Number of new donors: 20,251 (2022)
- Number of repeat / regular donors: 44,215 (2022)
- Total number of collections: 204,573 (2022)
- Number of whole blood collections: 189,728 (2022)
- Number of plasmapheresis collections: 4122
- Number of plateletpheresis collections: 10,726
- Number of red cell apheresis collections: 0
- Number of other collection types: 0
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 100%

Processing of blood into separate components: Yes

Red cells, plasma, platelets, cryoprecipitate,

Pathogen reduction of any blood components: Yes**Blood screening tests:** Yes**Post donation counselling of blood screening test results:** Yes**Pre-transfusion testing****Distribution of blood to hospitals / clinics:** Yes**Crossmatching / compatibility testing for transfusion:** No**Transfusion of blood products:** No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: Yes
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: Yes
- Cord blood banking: Yes
- Peripheral blood stem cells: Yes
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: Management of plasma derived medicinal products



National Society background

Structure of your NS blood program activities:

- National
- Not provided

Relevant history for your NS blood program establishment: Blood service since 1952

Overall picture of the NS blood program scale and scope of activities:

Sole blood supplier in Hong Kong SAR which provides blood components and plasma products to both public and private hospitals for therapeutic use in the territory



India

Asia Pacific National Context

Level of RC/RC involvement: **A1**

% National VNRBD: 76%

NS proportion of national blood supply (%): 5-10%

Number of units collected by NS: Unknown



Population	1,417,173,173
GDP (USD)	3,385,090m
Human Development	Medium
HDI	0.633
HDI rank (of 191)	132
Life expectancy at birth	67.2
Median age	28.7
Maternal mortality ratio (per 100,000 live births)	145.0

National Blood Program

Blood program provision:

- Ministry of Health
- Private / commercial sector
- NGO / not for profit (including Red Cross)

Coordination: State / district level

Fixed blood collection centres: 2626

Blood testing/processing centres: Not provided

National authority for blood program activities: Yes

Technical standards for blood programs: Yes

National haemovigilance program: Yes

- Drug Controller General of India
- National AIDS Control Organisation (NACO) - Ministry of Health
- National Blood Transfusion Council (NBTC) and state based councils
- Drug & Cosmetics Act - 1945
- NACO Guidelines
- NABH Standards

Blood program funding: A mix, depending on the healthcare setting (government, service cost recovery from patients and service cost recovery from insurers)
Blood is provided free of cost to thalassaemia, haemophilia, sickle cell anaemia and any other blood dyscrasia patients requiring repeated blood donations.

% VNRBD: 76%

% Replacement donors: 24%

% Paid donors: 0

% Other donor types: Not provided

National blood demand met: Not provided

Plasma fractionation within the country: Yes

Common uses of blood: Cancer, surgeries

Significant challenges: COVID was one of the biggest challenge as people were afraid to come out for voluntary blood donation due to lot of stigma attached

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, Printing and disseminating materials, Involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: No
- Donor recruitment and retention activity funding: Blood Services/National Society
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: Not provided

Blood donor recruitment strategies: Yes

Outreach / mobiles, Volunteer engagement, Social media

Donor retention strategies: Yes

Donor clubs

National Society Activities

**Blood collection and processing****Blood donor interview:** Yes**Blood collection:** Yes

- Proportion (%) of the overall national blood supply: 5-10% (all Indian Red Cross blood banks)
- Number of fixed collection sites: 100 independently operating blood banks
- Proportion (%) whole blood collections donated at fixed collection sites: Details not provided
- Total number of individual donors who made a whole blood and/or apheresis donation: Details not provided
- Number of new donors: Details not provided
- Number of repeat / regular donors: Details not provided
- Total number of collections: Details not provided
- Number of whole blood collections: Details not provided
- Number of plasmapheresis collections: Details not provided
- Number of plateletpheresis collections: Details not provided
- Number of red cell apheresis collections: Details not provided
- Number of other collection types: Details not provided
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 90%

Processing of blood into separate components: Yes

Red cells, plasma, platelets, cryoprecipitate, fresh frozen plasma

Pathogen reduction of any blood components: Not provided**Blood screening tests:** Yes**Post donation counselling of blood screening test results:** Yes**Pre-transfusion testing****Distribution of blood to hospitals / clinics:** Yes**Crossmatching / compatibility testing for transfusion:** Yes (some IRCS blood banks)**Transfusion of blood products:** Yes (some IRCS blood banks)

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: Yes
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: Not provided
- Cord blood banking: Not provided
- Peripheral blood stem cells: Not provided
- Bone marrow: Not provided
- Solid organ transplants: Not provided
- Cornea: Not provided
- Other biomedical: Not provided
- Other: Not provided



National Society background

Structure of your NS blood program activities:

- Decentralised (state / district)
- Separate blood service

Relevant history for your NS blood program establishment:

The provision of blood services by the Indian Red Cross Society (IRCS) is decentralised and varies significantly across the country. 14 states have IRCS blood banks which provide a full blood service (collection, processing, testing and distribution of blood). In the remaining states, the IRCS assists with promotion of voluntary blood donation and recruitment of donors.

Overall picture of the NS blood program scale and scope of activities: Not provided



Indonesia

Asia Pacific National Context

Level of RC/RC involvement: **A1**

% National VNRBD: 92%

NS proportion of national blood supply (%): 90%

Number of units collected by NS: 3,796,698



Population	275,501,339
GDP (USD)	1,319,100m
Human Development	High
HDI	0.705
HDI rank (of 191)	114
Life expectancy at birth	67.6
Median age	31.1
Maternal mortality ratio (per 100,000 live births)	177.0

National Blood Program

Blood program provision: Palang Merah Indonesia (PMI), government

Coordination: National

Fixed blood collection centres: 236 PMI

Blood testing/processing centres: 0

National authority for blood program activities: Yes Ministry of Health

Technical standards for blood programs: Yes Not provided

National haemovigilance program: Yes

Blood program funding: idem

% VNRBD: 92%

% Replacement donors: 8%

% Paid donors: 0

% Other donor types: 0

National blood demand met: Yes

Plasma fractionation within the country: Yes

Common uses of blood: Internal medicine

Significant challenges: Plasma fractionation plan

Relevant history / significant changes/impacts: no

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

media, printing and disseminating materials, involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- | | |
|---|--|
| <ul style="list-style-type: none"> • Strategy for blood donor recruitment and retention planning: Yes • Donor recruitment and retention activity funding: Blood service | <ul style="list-style-type: none"> • Paid positions (staff) for donor recruitment and retention: Yes • Number of donors recruited / registered to donate by the NS: Details not provided |
|---|--|

Blood donor recruitment strategies: Yes

Outreach / mobiles, pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, businesses, radio / tv, social media

Donor retention strategies: Yes

Loyalty programs / gifts, personalised sms / email

National Society Activities

**Blood collection and processing****Blood donor interview:** Yes**Blood collection:** Yes

- Proportion (%) of the overall national blood supply: 90%
- Number of fixed collection sites: 236
- Proportion (%) whole blood collections donated at fixed collection sites: Details not provided
- Total number of individual donors who made a whole blood and/or apheresis donation: Details not provided
- Number of new donors: Details not provided
- Number of repeat / regular donors: Details not provided
- Total number of collections: 3,796,698
- Number of whole blood collections: Details not provided
- Number of plasmapheresis collections: Details not provided
- Number of plateletpheresis collections: 11,804
- Number of red cell apheresis collections: Details not provided
- Number of other collection types: Details not provided
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 92%

Processing of blood into separate components: Yes

Packed red cells, Plasma, Thrombocytes

Pathogen reduction of any blood components: No**Blood screening tests:** Yes**Post donation counselling of blood screening test results:** Yes**Pre-transfusion testing****Distribution of blood to hospitals / clinics:** Yes**Crossmatching / compatibility testing for transfusion:** Yes**Transfusion of blood products:** Yes

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: Yes
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: Yes
- Cord blood banking: No
- Peripheral blood stem cells: Yes
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: Not provided



National Society background

Structure of your NS blood program activities:

- National
- Both separate blood service and hospital based blood centres

Relevant history for your NS blood program establishment: Future plasma fractionation plan

Overall picture of the NS blood program scale and scope of activities: Not provided



Level of RC/RC involvement: **A1**

% National VNRBD: 100%

NS proportion of national blood supply (%): 100%

Number of units collected by NS: 5,008,741



Population	125,124,989
GDP (USD)	4,213,141m
Human Development	Very High
HDI	0.925
HDI rank (of 191)	19
Life expectancy at birth	84.8
Median age	48.6
Maternal mortality ratio (per 100,000 live births)	5.0

National Blood Program

Blood program provision: Government, local public organization, Japanese Red Cross Society

Coordination: National

Fixed blood collection centres: 136

Blood testing/processing centres: 11

National authority for blood program activities: Yes

Technical standards for blood programs: Yes

National haemovigilance program: Yes

- Ministry of Health, Labour and Welfare:
- Pharmaceuticals and Medical Devices Agency:
- Law for the Guarantee of Stable Supply of Safe Blood Products
- Minimum requirements for biological products

Blood program funding: System of cost recovery from hospitals.
For the hematopoietic stem cell sector, it is funded with government subsidy and fee for provision of cord blood.

% VNRBD: 100%

% Replacement donors:

% Paid donors:

% Other donor types:

National blood demand met: Yes

Plasma fractionation within the country: Yes

Common uses of blood: Cancer, hematologic disorders, circulatory disorders, etc.

Significant challenges: Recruitment and retention of young donors and the change in donor behaviour.

Relevant history / significant changes/impacts: Blood services 2022; <https://www.jrc.or.jp/english/pdf/BloodServices2022.pdf>

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, Printing and disseminating materials, Involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Blood service
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 5,547,000

Blood donor recruitment strategies: Yes

Outreach / mobiles, Pre-donation education talks / seminars, Targeting youth

Donor retention strategies: Yes

Donor clubs, Loyalty programs / gifts, Personalised sms / email (thank you or reminder to donate),

Other:

1. Operation/Establishment of the Blood Donation Web Membership Service "Love Blood"
2. Loyalty program/gift
3. Online reservations for blood donation, access to blood test results, donation records and the possible date of next donation, thank you message to the blood donation, events and campaigns notice

National Society Activities

**Blood collection and processing****Blood donor interview:** Yes**Blood collection:** Yes

- Proportion (%) of the overall national blood supply: 100%
- Number of fixed collection sites: 136
- Proportion (%) whole blood collections donated at fixed collection sites: 37.9
- Total number of individual donors who made a whole blood and/or apheresis donation: 2,529,375
- Number of new donors: 133,416
- Number of repeat / regular donors: 1,051,670
- Total number of collections: 5,008,741
- Number of whole blood collections: 3,424,686
- Number of plasmapheresis collections: 1,039,222
- Number of plateletpheresis collections: 544,833
- Number of red cell apheresis collections: N/A
- Number of other collection types: N/A
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 100%

Processing of blood into separate components: Yes

Red blood cells, plasma, platelets

Pathogen reduction of any blood components: No**Blood screening tests:** Yes**Post donation counselling of blood screening test results:** Yes**Pre-transfusion testing****Distribution of blood to hospitals / clinics:** Yes**Crossmatching / compatibility testing for transfusion:** No**Transfusion of blood products:** No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: Yes
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: No
- Cord blood banking: Yes
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: No



National Society background

Structure of your NS blood program activities:

- National
- Separate blood service

Relevant history for your NS blood program establishment:

Blood services P4-11 <https://www.jrc.or.jp/english/pdf/BloodServices2022.pdf>

Overall picture of the NS blood program scale and scope of activities:

<https://www.jrc.or.jp/english/pdf/BloodServices2022.pdf>



Kiribati



Asia Pacific National Context

Population	131,232
GDP (USD)	223m
Human Development	Medium
HDI	0.624
HDI rank (of 191)	136
Life expectancy at birth	67.4
Median age	/
Maternal mortality ratio	92.0
(per 100,000 live births)	

Level of RC/RC involvement: **B**

% National VNRBD:	10.50%
NS proportion of national blood supply (%):	N/A
Number of units collected by NS:	N/A

National Blood Program

Blood program provision: The National Blood Transfusion Service (NBTS) in Kiribati is run by the Ministry of Health and Medical Services and supported by red cross volunteer donors

Coordination: National

Fixed blood collection centres: 3

Blood testing/processing centres: Not provided

National authority for blood program activities: Yes

National Blood Transfusion Committee

Technical standards for blood programs: Yes

MOU and NS policy

National haemovigilance program: Yes

Blood program funding: Very limited funding and most of the expense were run by the KRCS core cost

% VNRBD: 10.50%

% Replacement donors: 89.50%

% Paid donors: 10%

% Other donor types:

National blood demand met: No

Plasma fractionation within the country: No

Common uses of blood: Maternal cases/surgery patient

Significant challenges: Changes in donor behaviour/limited in number of people willing to donate blood

Relevant history / significant changes/impacts: KRCS is now working with MOH Lab department in looking for support funds for blood donation in kiribati

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Printing and disseminating materials, Involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: National Society, government
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 68

Blood donor recruitment strategies: Yes

Outreach / mobiles, Pre-donation education talks / seminars, Volunteer engagement, Schools / university engagement, Targeting youth, Social media, Other: Creating blood facebook account for efficient communication with pledge 25 members

Donor retention strategies: Yes

Donor clubs, Personalised sms/email, Other: social media

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

- Proportion (%) of the overall national blood supply: N/A
- Number of fixed collection sites: N/A
- Proportion (%) whole blood collections donated at fixed collection sites: N/A
- Total number of individual donors who made a whole blood and/or apheresis donation: N/A
- Number of new donors: N/A
- Number of repeat / regular donors: N/A
- Total number of collections: N/A
- Number of whole blood collections: N/A
- Number of plasmapheresis collections: N/A
- Number of plateletpheresis collections: N/A
- Number of red cell apheresis collections: N/A
- Number of other collection types: N/A
- Percentage (%) voluntary non-remunerated blood donors for all collection types: N/A

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- | | |
|--|-------------------------------|
| • Therapeutic collection of whole blood / plasma: No | • Solid organ transplants: No |
| • Cord blood banking: No | • Cornea: No |
| • Peripheral blood stem cells: No | • Other biomedical: No |
| • Bone marrow: No | • Other: No |



National Society background

Structure of your NS blood program activities:

- National
- Hospital based

Relevant history for your NS blood program establishment:

Not provided

Overall picture of the NS blood program scale and scope of activities:

Need more funding to support the program.



Korea, Democratic People's Republic of (North Korea)

Level of RC/RC involvement: **C**

% National VNRBD: Not provided

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 26,069,416

GDP (USD) 32,100m

Human Development

HDI /

HDI rank (of 191) /

Life expectancy at birth 73.3

Median age 34.6

Maternal mortality ratio 89.0
(per 100,000 live births)

National Blood Program

Blood program provision: Government

Coordination: National

Fixed blood collection centres: 12

Blood testing/processing centres: 12

National authority for blood program activities: Yes

Ministry of Public Health

Technical standards for blood programs: Yes

National Guideline on Safe Blood Transfusion

National haemovigilance program: Yes

Blood program funding: Government

% VNRBD: Not provided

% Replacement donors: Not provided

% Paid donors: Not provided

% Other donor types: Not provided

National blood demand met: Yes

Plasma fractionation within the country: Yes

Common uses of blood: Cancer, maternal/child health, trauma

Significant challenges: Not provided

Relevant history / significant changes/impacts: National Blood Programme started since 1952.

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Media, Printing and disseminating materials, Involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: **No**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: Details not provided



Korea, Republic of (South Korea)

Level of RC/RC involvement: A1

% National VNRBD: 100%

NS proportion of national blood supply (%): 92.3%

Number of units collected by NS: 2,445,003



Population	51,628,117
GDP (USD)	1,665,264m
Human Development	Very High
HDI	0.925
HDI rank (of 191)	19
Life expectancy at birth	83.7
Median age	43.2
Maternal mortality ratio (per 100,000 live births)	11.0

National Blood Program

Blood program provision: Red Cross, private organisation(Hanmaeum Blood Center)

Coordination: National

Fixed blood collection centres: 171

Blood testing/processing centres: testing centres(4), processing centers(16)

National authority for blood program activities: Yes

the Ministry of Health and Welfare (<https://www.mohw.go.kr/eng/index.jsp>)

Technical standards for blood programs: Yes

Standard operating procedure for blood banks
* no English version available.

National haemovigilance program: Yes

Blood program funding: cost recovery from national insurance and patients, government

% VNRBD: 100%

% Replacement donors: 0%

% Paid donors: 0%

% Other donor types: 0%

National blood demand met: Yes

Plasma fractionation within the country: Yes

Common uses of blood: cancer

Significant challenges: 1. blood supply, 2. cost recovery (refer to previous questions)

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, Printing and disseminating materials, Involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Blood service
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 2,876,786

Blood donor recruitment strategies: Yes

Outreach / mobiles, Volunteer engagement, Schools / university engagement, Targeting youth, businesses, Radio / tv, Social media

Donor retention strategies: Yes

Booking service when donating, Other: gifts

National Society Activities

**Blood collection and processing****Blood donor interview:** Yes**Blood collection:** Yes

- Proportion (%) of the overall national blood supply: 92.30%
- Number of fixed collection sites: 151
- Proportion (%) whole blood collections donated at fixed collection sites: 66.66%
- Total number of individual donors who made a whole blood and/or apheresis donation: 1,327,587
- Number of new donors: 264,548
- Number of repeat / regular donors: 2,180,455
- Total number of collections: 2,445,003
- Number of whole blood collections: 1,840,126
- Number of plasmapheresis collections: 366,870
- Number of plateletpheresis collections: 20,543
- Number of red cell apheresis collections: 0
- Number of other collection types: 217,464
(Platelets with concurrent plasma)
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 100%

Processing of blood into separate components: Yes

Red blood cells, red blood cells(leukocyte reduced by filtration), red blood cells(washed), white blood cells, platelets, fresh frozen plasma, frozen plasma, cryoprecipitate, plasma(cryo reduced)

Pathogen reduction of any blood components: Yes**Blood screening tests:** Yes**Post donation counselling of blood screening test results:** Yes**Pre-transfusion testing****Distribution of blood to hospitals / clinics:** Yes**Crossmatching / compatibility testing for transfusion:** No**Transfusion of blood products:** No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: Yes
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- | | |
|--|-------------------------------|
| • Therapeutic collection of whole blood / plasma: No | • Solid organ transplants: No |
| • Cord blood banking: No | • Cornea: No |
| • Peripheral blood stem cells: No (donor recruitment only) | • Other biomedical: No |
| • Bone marrow: No (donor recruitment only) | • Other: No |



National Society background

Structure of your NS blood program activities:

- National
- Both separate blood service and hospital based blood centres

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided

NOTE:

- * (Number of donors recruited / registered to donate by the NS) means the number of donors who tried to donate blood as we understood.
- * pathogen reduction only for plasma for fractionation
- * We only manufacture semi-final plasma products.
- * We only recruit donors for peripheral blood stem cells and bone marrow that are collected by medical institutions.



Lao People's Democratic Republic

Level of RC/RC involvement: **A1**

% National VNRBD: 71%

NS proportion of national blood supply (%): 100%

Number of units collected by NS: 66,772



Population 7,529,475

GDP (USD) 15,724m

Human Development Medium

HDI 0.607

HDI rank (of 191) 140

Life expectancy at birth 68.1

Median age 24

Maternal mortality ratio 185.0
(per 100,000 live births)

National Blood Program

Blood program provision: Red Cross

Coordination: National

Fixed blood collection centres: 18

Blood testing/processing centres: 18

National authority for blood program activities: Yes

National Transfusion Committee

Technical standards for blood programs: Yes

WHO, AABB Fundamental Standards

National haemovigilance program: No

Blood program funding: Government fund and service cost recovery

% VNRBD: 71%

% Replacement donors: 29%

% Paid donors: No

% Other donor types:

National blood demand met: No

Plasma fractionation within the country: No

Common uses of blood: Thalassemia, anaemia, renal disease, haemorrhage

Significant challenges: No

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, printing and disseminating materials, involvement in World Blood Donor Day, Other: Campaigning, training



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Blood service, National Society, Government, Partners
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: donor recruiters are 1315 people, walking blood banks are 1680 people.

Blood donor recruitment strategies: Yes

Outreach / mobiles, pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, businesses, radio / tv, social media

Donor retention strategies: Yes

Donor clubs, other

National Society Activities



Blood collection and processing

Blood donor interview: Yes

Blood collection: Yes

- Proportion (%) of the overall national blood supply: 100%
- Number of fixed collection sites: 18
- Proportion (%) whole blood collections donated at fixed collection sites: 46.67
- Total number of individual donors who made a whole blood and/or apheresis donation: 66,775
- Number of new donors: 27,684
- Number of repeat / regular donors: 26,365
- Total number of collections: 66,772
- Number of whole blood collections: 66,772
- Number of plasmapheresis collections: Details not provided
- Number of plateletpheresis collections: Details not provided
- Number of red cell apheresis collections: Details not provided
- Number of other collection types: Details not provided
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 71.20%

Processing of blood into separate components: Yes

Red cells, fresh frozen plasma, cryoprecipitate

Pathogen reduction of any blood components: No

Blood screening tests: Yes

Post donation counselling of blood screening test results: Yes



Pre-transfusion testing

Distribution of blood to hospitals / clinics: Yes

Crossmatching / compatibility testing for transfusion: Yes

Transfusion of blood products: No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: No
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: No



National Society background

Structure of your NS blood program activities:

- National
- Separated blood service

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided



Malaysia

Asia Pacific National Context

Level of RC/RC involvement: **B**

% National VNRBD: Not provided

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population	33,938,221
GDP (USD)	406,306m
Human Development	Very High
HDI	0.803
HDI rank (of 191)	62
Life expectancy at birth	74.9
Median age	29.2
Maternal mortality ratio (per 100,000 live births)	29.0

National Blood Program

Blood program provision: National Blood Bank and also in States

Coordination: National and chapter levels

Fixed blood collection centres: In 2015, there were 116 hospital based and 1 stand-alone blood centres in the country. # Blood testing/processing centres: National Blood Bank and also in States

National authority for blood program activities: Yes National Blood Bank under Ministry of Health (MOH)

Technical standards for blood programs: Yes Guideline and policy under the MOH

National haemovigilance program: Yes

Blood program funding: Nil

% VNRBD: Not provided % Replacement donors: Not provided % Paid donors: Not provided % Other donor types: Not provided

National blood demand met: Not provided Plasma fractionation within the country: Yes

Common uses of blood: All

Significant challenges: Lack of involvement by Chapters due to financial constraints

Relevant history / significant changes/impacts: 2023 most of the Chapters actively organised Blood Donation campaign weekly.

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Printing and disseminating materials, Involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: No
- Donor recruitment and retention activity funding: Private organisations
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 25,775

Blood donor recruitment strategies:

Volunteer engagement, Schools / university engagement

Donor retention strategies:

Details not provided

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Currently out of 16 Chapters (States) 10 Chapters involved actively in this program since last year

Overall picture of the NS blood program scale and scope of activities:

Nil



Maldives

Asia Pacific National Context

Level of RC/RC involvement: **B**

% National VNRBD: 36% - 2,335 (2018)

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 523,787

GDP (USD) 6,190m

Human Development High

HDI 0.747

HDI rank (of 191) 90

Life expectancy at birth 79.9

Median age /

Maternal mortality ratio 53.0
(per 100,000 live births)

National Blood Program

Blood program provision: Maldivian Blood Services (MBS)

Coordination: National

Fixed blood collection centres: In 2018, there were 22 fixed blood collection centres (1 standalone, 21 hospital based) # Blood testing/processing centres: Not provided

National authority for blood program activities: Yes MoH

Technical standards for blood programs: No N/A

National haemovigilance program: No

Blood program funding: Not provided

% VNRBD: 36% - 2,335 (2018) % Replacement donors: 64% - 4,131 (2018) % Paid donors: 0 (2018) % Other donor types:

National blood demand met: Not provided Plasma fractionation within the country: Not provided

Common uses of blood: Thalassaemia

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Other: We organize bi-monthly Blood Camps in partnership with Maldivian Blood Services



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: No
- Donor recruitment and retention activity funding: National Society
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: All data maintained by Maldivian Blood Services.

Blood donor recruitment strategies:

Social Media

Donor retention strategies:

Other: Details not provided

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

We have only carried out small scale blood donation Camps largely in the Capital City Area. Due to limited funding to execute such a program, we have challenges in doing so. In addition, there are state agency with the mandate, as such we are providing a more support auxillary role.

Overall picture of the NS blood program scale and scope of activities:

Not provided



Marshall Islands

Level of RC/RC involvement: B

% National VNRBD: 50%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population	41,569
GDP (USD)	280m
Human Development	Medium
HDI	0.639
HDI rank (of 191)	131
Life expectancy at birth	65.3
Median age	/
Maternal mortality ratio (per 100,000 live births)	/

Asia Pacific

National Context

National Blood Program

Blood program provision: Ministry of Health and Human Services

Coordination: National

Fixed blood collection centres: Not provided

Blood testing/processing centres: Not provided

National authority for blood program activities: Yes

Not provided

Technical standards for blood programs: Not provided

N/A

National haemovigilance program: No

Blood program funding: IFRC, RMI Government, Club

% VNRBD: 50%

% Replacement donors: Not provided

% Paid donors: Not provided

% Other donor types: Not provided

National blood demand met: Not provided

Plasma fractionation within the country: Not provided

Common uses of blood: Maternal, Child Health and amputation

Significant challenges: No

Relevant history / significant changes/impacts: No

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, Printing and disseminating materials, Involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: National Society, Government, Private organisations, Partners
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: 100

Blood donor recruitment strategies: Yes

Outreach / mobiles, Volunteer engagement, Schools / university engagement, Targeting youth, Radio / tv, Social media

Donor retention strategies: Yes

Fijian Community, Philippine Community, Maddison Family, Random donors, and College Students. Other: community outreach - Fijian Community, Philippine Community, Maddison Family, Random donors, and College Students.



Blood collection and processing

Blood donor interview: No

Blood collection: No

- Proportion (%) of the overall national blood supply: N/A
- Number of fixed collection sites: N/A
- Proportion (%) whole blood collections donated at fixed collection sites: N/A
- Total number of individual donors who made a whole blood and/or apheresis donation: N/A
- Number of new donors: N/A
- Number of repeat / regular donors: N/A
- Total number of collections: N/A
- Number of whole blood collections: N/A
- Number of plasmapheresis collections: N/A
- Number of plateletpheresis collections: N/A
- Number of red cell apheresis collections: N/A
- Number of other collection types: N/A
- Percentage (%) voluntary non-remunerated blood donors for all collection types: N/A

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- | | |
|--|-------------------------------|
| • Therapeutic collection of whole blood / plasma: No | • Solid organ transplants: No |
| • Cord blood banking: No | • Cornea: No |
| • Peripheral blood stem cells: No | • Other biomedical: No |
| • Bone marrow: No | • Other: No |



National Society background

Structure of your NS blood program activities:

- National
- Both separate blood service and hospital based blood centres

Relevant history for your NS blood program establishment: No

Overall picture of the NS blood program scale and scope of activities: Marshall Islands Red Cross facebook Page and marshallredcross.org



Micronesia, Federated States of

Not verified (did not respond)

Level of RC/RC involvement: **B**

% National VNRBD: 17.40%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 114,164

GDP (USD) 3,163m

Human Development Medium

HDI 0.628

HDI rank (of 191) 134

Life expectancy at birth 70.7

Median age /

Maternal mortality ratio 88.0
(per 100,000 live births)

National Blood Program

Blood program provision: Ministry of Health

Coordination: National

Fixed blood collection centres: 5

Blood testing/processing centres: 5

National authority for blood program activities: No N/A

Technical standards for blood programs: No Unknown

National haemovigilance program: No

Blood program funding: Unknown

% VNRBD: 17.40%

% Replacement donors: 82.60%

% Paid donors: 0

% Other donor types: 0

National blood demand met: No

Plasma fractionation within the country: No

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Involvement in World Blood Donor Day, Printing and disseminating materials, volunteers holding community education events



Donor recruitment and retention

Provision of pre and post donation care information to donors: Unknown

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Unknown
- Donor recruitment and retention activity funding: National Society, Global Fund to Fight Aids, Tuberculosis and Malaria via IFRC Suva
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: Unknown

Blood donor recruitment strategies:

Pre-donation education talks, outreach and mobiles, volunteer engagement, social media

Donor retention strategies:

Unknown

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Unknown

Overall picture of the NS blood program scale and scope of activities:

Unknown



Mongolia

Asia Pacific National Context

Level of RC/RC involvement: **B**

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 3,398,366

GDP (USD) 16,811m

Human Development High

HDI 0.739

HDI rank (of 191) 96

Life expectancy at birth 71

Median age 29.8

Maternal mortality ratio 45.0
(per 100,000 live births)

National Blood Program

Blood program provision: Ministry of Health

Coordination: National, regional/district

Fixed blood collection centres: 23

Blood testing/processing centres: 2

National authority for blood program activities: Yes

mohs.gov.mn

Technical standards for blood programs: Yes

Not provided

National haemovigilance program: Yes

Blood program funding: Weak

% VNRBD: 100%

% Replacement donors:

% Paid donors:

% Other donor types:

National blood demand met: No

Plasma fractionation within the country: Yes

Common uses of blood: Trauma cases, birth complications, transplantation surgeries

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, printing and disseminating materials, involvement in World Blood Donor Day

Other - Celebrate National blood donation day every 3rd day of the month



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding:
Blood Service, National Society, Private Organisations

- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: Not provided

Blood donor recruitment strategies:

Outreach/mobiles, targeting youth, pre-donation talks/seminars, targeting businesses, volunteer engagement, radio/tv, schools/university engagement, social media

Donor retention strategies:

Donor clubs, personalised SMS/email, booking service when donating

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Not provided

Overall picture of the NS blood program scale and scope of activities:

Not provided



Myanmar

Not verified

Level of RC/RC involvement: **B**

% National VNRBD: 99.00%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Asia Pacific

National Context

Population 54,179,306

GDP (USD) 59,364m

Human Development Medium

HDI 0.585

HDI rank (of 191) 149

Life expectancy at birth 65.7

Median age 29.2

Maternal mortality ratio 250.0
(per 100,000 live births)

National Blood Program

Blood program provision: Government

Coordination: Nationally

Fixed blood collection centres: 391

Blood testing/processing centres: 2

National authority for blood program activities: No NA

Technical standards for blood programs: Yes Not provided

National haemovigilance program: No

Blood program funding: service cost recovery

% VNRBD: 99.00%

% Replacement donors: 1.00%

% Paid donors:

% Other donor types:

National blood demand met: Not provided

Plasma fractionation within the country: No

Common uses of blood: Not provided

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Printing and disseminating materials, Involvement in World Blood Donor Day, Other: VNRBD cascade trainings for Red Cross Volunteers; Community and university based awareness raising sessions related to blood donor recruitment and retention.



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Partners
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: > 3,976

Blood donor recruitment strategies:

Volunteer engagement, Schools / university engagement,

Donor retention strategies:

Other: Arranging regular 4-month-period blood donation campaigns is the key activity for blood donor retention program.

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

MRCS has a rich history of blood donation activities dating back to 1961, firmly dedicated to organizing regular donation campaigns. MRCS is in alignment with the 'National Blood and Blood Product Law' enacted in January 2003, prioritizing the provision of high-quality blood and blood products for patients while preventing transfusion-transmissible infections through the promotion of Voluntary Non-Remunerated Blood Donation (VNRBD). To bolster these endeavors, MRCS has published two manuals in the Myanmar language, one for facilitators and the other for volunteers, drawing insights from the eCBHFA training program of IFRC. Building on these resources, MRCS's health department has conducted eleven technical training sessions on voluntary non-remunerated blood donor recruitment and retention across various regions from October 2022 to June 2023, engaging 380 participants, including 209 males and 171 females. In October 2022, MRCS introduced a standardized monthly reporting format and provided training to blood recruiters in project townships to enhance data collection efficiency on blood donors. Focusing on blood donor recruitment and retention efforts has been conducted collaboratively by MRCS's health department, relevant departments, and stakeholders, with a particular emphasis on collaborating with the National Blood Center (Yangon) to advance the transformation of the VNRBD program. MRCS's impactful efforts have led to a noteworthy increase in voluntary blood donations, with 3,976 voluntary blood donors in targeted areas as of March 2023, fortifying the safety and reliability of the blood supply. Furthermore, MRCS has effectively elevated knowledge and awareness about the significance of voluntary blood donation through recruitment drives and awareness campaigns. The organization's capacity-building initiatives, involving MRCS branches and university volunteers, are fortifying the project's sustainability, while community engagement endeavors, including blood donation campaigns and appreciation events, have cultivated a culture of gratitude for voluntary blood donors, motivating repeat donations.

Overall picture of the NS blood program scale and scope of activities: Not provided



Nepal

Asia Pacific National Context

Level of RC/RC involvement: **A1**

% National VNRBD: 87.00%

NS proportion of national blood supply (%): 90%

Number of units collected by NS: 281,316



Population	30,547,580
GDP (USD)	40,828m
Human Development	Medium
HDI	0.602
HDI rank (of 191)	143
Life expectancy at birth	68.4
Median age	25.3
Maternal mortality ratio (per 100,000 live births)	186.0

National Blood Program

Blood program provision: Government, Red Cross, private organisations

Coordination: National

Fixed blood collection centres: 119

Blood testing/processing centres: 119

National authority for blood program activities: Yes

National Technical Advisory Committee (NTAC) which provides advice on blood technical matters, and falls under the National Steering Committee, part of the Ministry of Health and Population (MoHP).

Technical standards for blood programs: Yes

<http://dohs.gov.np/national-public-health-laboratory/>

National haemovigilance program: Yes

Blood program funding: cost recovery

% VNRBD: 87.00%

% Replacement donors: 13.00%

% Paid donors:

% Other donor types:

National blood demand met: No.

Plasma fractionation within the country: No

Common uses of blood: Trauma, maternal/child health, cancer, road accidents, Thalassemia, dialysis etc

Significant challenges: The demand for blood and blood components is increasing. A comprehensive national plan with resources is necessary to achieve it. To improve the quality, it is difficult to arrange technology and equipment of certain standards, physical infrastructure, and human resources. Standardization and accreditation process with proper monitoring needs to be strengthened. Awareness of the clinical use of blood and monitoring of the use in hospitals needs to be improved.

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, printing and disseminating materials, involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Blood Service, National Society, Government
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 281,316

Blood donor recruitment strategies: Yes

Outreach / mobiles, pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, radio / tv, social media

Donor retention strategies: Yes

Donor clubs

National Society Activities



Blood collection and processing

Blood donor interview: Yes

Blood collection: Yes

- Proportion (%) of the overall national blood supply: 90%
- Number of fixed collection sites: 70
- Proportion (%) whole blood collections donated at fixed collection sites: 20
- Total number of individual donors who made a whole blood and/or apheresis donation: 140,658
- Number of new donors: 67,516
- Number of repeat / regular donors: 73,142
- Total number of collections: 281,316
- Number of whole blood collections: 193,554
- Number of plasmapheresis collections: 32
- Number of plateletpheresis collections: 25
- Number of red cell apheresis collections: 0
- Number of other collection types: Whole blood collection = 193 554, component collection = 87 762
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 87%

Processing of blood into separate components: Yes

Red cells, fresh frozen plasma, platelets, cryoprecipitate, Leuco-depleted

Pathogen reduction of any blood components: No

Blood screening tests: Yes

Post donation counselling of blood screening test results: Yes



Pre-transfusion testing

Distribution of blood to hospitals / clinics: Yes

Crossmatching / compatibility testing for transfusion: Yes

Transfusion of blood products: No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: No
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: NA



National Society background

Structure of your NS blood program activities:

- National
- Both separate blood service and hospital based blood centres

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided



New Zealand

Level of RC/RC involvement: D

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 5,124,100

GDP (USD) 247,234m

Human Development Very High

HDI 0.937

HDI rank (of 191) 13

Life expectancy at birth 82.5

Median age 37.2

Maternal mortality ratio 9.0
(per 100,000 live births)

National Blood Program

Blood program provision: Government

Coordination: National

Fixed blood collection centres: 9

Blood testing/processing centres: 4

National authority for blood program activities: Yes Ministry of Health

Technical standards for blood programs: Yes Council of Europe

National haemovigilance program: Yes

Blood program funding: service cost recovery

% VNRBD: 100%

% Replacement donors:

% Paid donors:

% Other donor types:

National blood demand met: Yes

Plasma fractionation within the country: No

Common uses of blood: Cancer patients and other medical conditions and surgical treatments

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities: No



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided



Pakistan

Asia Pacific National Context

Level of RC/RC involvement: **A1**

% National VNRBD: 12%

NS proportion of national blood supply (%): 12%

Number of units collected by NS: 31,800



Population	235,824,862
GDP (USD)	376,533m
Human Development	Low
HDI	0.544
HDI rank (of 191)	161
Life expectancy at birth	66.1
Median age	22
Maternal mortality ratio (per 100,000 live births)	140.0

National Blood Program

Blood program provision: Hospital, Government / military, Red Crescent, private

Coordination: National

Fixed blood collection centres: Exact statistics not available

Blood testing/processing centres: many more than 120 after Pandemic

National authority for blood program activities: No

N/A

Technical standards for blood programs: Yes

<https://pbta.punjab.gov.pk/system/files/Policies.pdf>

National haemovigilance program: No

Blood program funding: service cost recovery

% VNRBD: 12%

% Replacement donors: 88%

% Paid donors:

% Other donor types:

National blood demand met: Not provided

Plasma fractionation within the country: Not provided

Common uses of blood: Thalassemia, Hemophilia, Cancer, Dialysis, Gynae Obs related cases, RTA, Dengue, Anemia, Surgeries etc.

National Blood Program

Significant challenges: 1. Voluntary Blood Collection due to myths & Misconceptions 2. Lack of resources 3. Fragmented system throughout the country

Relevant history / significant changes/impacts:

The Pakistan Red Crescent Society operates a total of six Blood Banks, with one located at the National Headquarters (NHQ) and the others situated in various locations within the Punjab Province. Within the premises of the National Headquarters, the society has maintained and operated a Regional Blood Donor Centre (RBDC) since 1979.

In December 2004, the Punjab Red Crescent Society initiated a Thalassaemia Centre, which has successfully registered 755 families. These families account for 80% of the total blood donations received from various donors. The treatment provided at this center is completely free of charge, devoid of any favoritism, and untainted by any undue influence.

Similarly, two additional thalassaemia centers have been established at district branches: one in District Sargodha since November 2003, which has registered 864 Thalassaemia-afflicted children, and another in District Faisalabad since January 2009, catering to 450 registered Thalassaemia children.

The features shared by all PRCS blood banks include:

The annual blood collection is sourced entirely from voluntary donors.

Equitable distribution of blood resources occurs on an annual basis.

Free blood provision is extended to Zakat and Thalassaemia patients.

Blood is made available to patients at subsidized rates.

Stringent quality control measures are upheld through the utilization of high-resolution blood processing equipment.

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, printing and disseminating materials, involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Partners
- Paid positions (staff) for donor recruitment and retention: Not provided
- Number of donors recruited / registered to donate by the NS: 31,800

Blood donor recruitment strategies: Yes

Outreach / mobiles, pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, businesses, radio / tv, social media

Donor retention strategies: Yes

Donor clubs, loyalty programs / gifts, personalised sms / email

National Society Activities



Blood collection and processing

Blood donor interview: Yes

Blood collection: Yes

- Proportion (%) of the overall national blood supply: 12%
- Number of fixed collection sites: 6
- Proportion (%) whole blood collections donated at fixed collection sites:
Whole blood is collected but 100 % components are prepared
- Total number of individual donors who made a whole blood and/or apheresis donation:
Apheresis not available at PRCS blood banks
- Number of new donors: 19,080 (60% are new donors among 31,800 unit collection)
- Number of repeat / regular donors: 12,721 (40% are repeat donors)
- Total number of collections: 31800
- Number of whole blood collections: 31,800
- Number of plasmapheresis collections: NIL
- Number of plateletpheresis collections: NIL
- Number of red cell apheresis collections: NIL
- Number of other collection types: NIL
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 98%

Processing of blood into separate components: Yes

Red cells, fresh frozen plasma, platelets, cryoprecipitate, plasma

Pathogen reduction of any blood components: No

Blood screening tests: Yes

Post donation counselling of blood screening test results: Yes



Pre-transfusion testing

Distribution of blood to hospitals / clinics: Yes

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: Yes
- Operate a fractionation facility to manufacture plasma derived medicinal products: Yes

Other activities:

- | | |
|--|-------------------------------|
| • Therapeutic collection of whole blood / plasma: No | • Solid organ transplants: No |
| • Cord blood banking: No | • Cornea: No |
| • Peripheral blood stem cells: No | • Other biomedical: No |
| • Bone marrow: No | • Other: No |



National Society background

Structure of your NS blood program activities:

- Decentralised
- Separate blood service

Relevant history for your NS blood program establishment:

1. In 2022 the Punjab blood bank of PRCS witnessed a rise in registered Thalassemia children due to the accessibility of blood and free iron chelation therapy.
2. Enhancement in storage capacity of Red cells Concentrate storage freezer, Plasma Freezer, Platelets Agitator and Portable Freezer for mobile blood drives. The increase in storage capacity enables PRCS to increase its blood storage capacity and provision to cater the needs of RBDC.
3. The initiation of a Cross-Match facility at PRCS's National Headquarters has increased our distribution range.
4. Capacity enhancement for blood collection with one more state of the Art Mobile Blood Donation Vehicle donated by a Private company.

Overall picture of the NS blood program scale and scope of activities:

Awareness raising among corporate, telecom, academia and government sector resulted image building of PRCS blood services and motivated the target audience to contribute in voluntary blood donation. Due to development and increase in capacity contributed in overall RBDC expansion and upgradation of the blood program of PRCS to support the greater cause of blood collection, donation and distribution in Pakistan.



Palau, Republic of

Level of RC/RC involvement: **B**

% National VNRBD: 20

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 18,055

GDP (USD) 218m

Human Development High

HDI 0.767

HDI rank (of 191) 80

Life expectancy at birth 66

Median age /

Maternal mortality ratio /
(per 100,000 live births)

National Blood Program

Blood program provision: Government (Ministry of Health & Human Services / Belau National Hospital)

Coordination: National

Fixed blood collection centres: 1

Blood testing/processing centres: 1

National authority for blood program activities: Yes

Ministry of Health & Human Services (<https://www.palauhealth.org/>)

Technical standards for blood programs: Yes

Ministry of Health & Human Services (<https://www.palauhealth.org/>)

National haemovigilance program: No

Blood program funding: Mix of Government, Service Cost Recovery from Patients, and Service Cost Recovery from Insurers

% VNRBD: 20%

% Replacement donors: 80%

% Paid donors:

% Other donor types:

National blood demand met: No

Plasma fractionation within the country: No

Common uses of blood: Hemodialysis, Maternal / Child Health, Surgery, Trauma

Significant challenges: VNRBD recruitment & retention due to many factors such as social norms and beliefs; Effective response with blood products, especially to large scale emergencies - disasters, infectious disease outbreaks, etc. if they were to happen due to challenges in VNRBD recruitment & retention, and the capacity of the Blood Bank Services.

Relevant history / significant changes/impacts: No

National Society Activities B



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, Printing and disseminating materials, Involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: No
- Donor recruitment and retention activity funding: National Society
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 367

Blood donor recruitment strategies:

Volunteer engagement, Targeting youth, Targeting businesses, Radio / tv, Social media

Donor retention strategies:

Donor clubs, Other: Pledge 25, Annual Top 10 VNRBD Appreciation

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

No

Overall picture of the NS blood program scale and scope of activities:

No



Papua New Guinea

Not verified (did not respond)

Asia Pacific

National Context

Level of RC/RC involvement: C

% National VNRBD: 53%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 10,142,619

GDP (USD) 30,633m

Human Development Medium

HDI 0.558

HDI rank (of 191) 156

Life expectancy at birth 65.4

Median age 24

Maternal mortality ratio 145.0
(per 100,000 live births)

National Blood Program

Blood program provision:

- Government (National Blood Transfusion Service)
- Red Cross

Coordination: Unknown

Fixed blood collection centres: 35

Blood testing/processing centres: Unknown

National authority for blood program activities: Yes Unknown

Technical standards for blood programs: Yes Unknown

National haemovigilance program: Yes

Blood program funding: Unknown

% VNRBD: 53% % Replacement donors: Unknown % Paid donors: Unknown % Other donor types: Unknown

National blood demand met: Unknown Plasma fractionation within the country: Unknown

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: The Blood Service was established in 1961 and was managed by the Red Cross with funding from government. In 2009, management was taken over by the Health Department and in 2010 the National Blood Transfusion Service was established.

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Details unknown



Donor recruitment and retention

Provision of pre and post donation care information to donors: **No**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: Details not provided



Philippines

Level of RC/RC involvement: **A1**

% National VNRBD: 85%

NS proportion of national blood supply (%): 41%

Number of units collected by NS: 450,879



Population	115,559,009
GDP (USD)	404,284m
Human Development	Medium
HDI	0.699
HDI rank (of 191)	116
Life expectancy at birth	69.3
Median age	24.1
Maternal mortality ratio (per 100,000 live births)	121.0

National Blood Program

Blood program provision: Philippine Red Cross, Philippine Blood Center, DOH Regional Blood Centers, Local Government Unit Blood Center, Government Hospitals, Private Hospitals

Coordination: National, Regional

Fixed blood collection centres: 853

Blood testing/processing centres: 60-70

National authority for blood program activities: Yes

Department of Health- National Voluntary Blood Services Program

Technical standards for blood programs: Yes

Not provided

National haemovigilance program: Yes

Blood program funding: Service cost recovery from patients

% VNRBD: 85%

% Replacement donors: 15%

% Paid donors:

% Other donor types: N/A

National blood demand met: Yes

Plasma fractionation within the country: No

Common uses of blood: Anaemia, pregnancy/childbirth

Significant challenges: Covid 19 Pandemic was a challenge for blood supply in years 2020 and 2021

Relevant history / significant changes/impacts: We have a new Department of Health Secretary. The DOH-NVBSP has re-organized and was placed as a unit in one Bureau. Previously, DOH-NVBSP is a stand alone office.

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, printing and disseminating materials, involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: National Society
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 423,552

Blood donor recruitment strategies: Yes

Outreach / mobiles, pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, businesses, radio / tv, social media

Donor retention strategies: Yes

Donor clubs, loyalty programs / gifts, personalised sms / email (thank you or reminder to donate), booking service when donating, Other: Available Blood Hotline for blood donation queries, tokens, appreciation post, birthday media card, thank you card

National Society Activities

**Blood collection and processing****Blood donor interview:** Yes**Blood collection:** Yes

- Proportion (%) of the overall national blood supply: 41%
- Number of fixed collection sites: 107
- Proportion (%) whole blood collections donated at fixed collection sites: 100%
- Total number of individual donors who made a whole blood and/or apheresis donation: 403,099
- Number of new donors: 147,544
- Number of repeat / regular donors: 255,555
- Total number of collections: 450,879
- Number of whole blood collections: 448,223
- Number of plasmapheresis collections: none
- Number of plateletpheresis collections: none
- Number of red cell apheresis collections: none
- Number of other collection types: plateletapheresis: 2,656
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 94%

Processing of blood into separate components: Yes

Packed red cells, platelets, plasma, cryosupernate/precipitate, leukoreduced PRBC, leukoreduced platelets

Pathogen reduction of any blood components: No**Blood screening tests:** Yes**Post donation counselling of blood screening test results:** Yes**Pre-transfusion testing****Distribution of blood to hospitals / clinics:** Yes**Crossmatching / compatibility testing for transfusion:** No**Transfusion of blood products:** No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: No
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: N/A



National Society background

Structure of your NS blood program activities:

- National
- Not provided

Relevant history for your NS blood program establishment:

Established Convalescent Plasma Center (COVID Pandemic) and additional blood facilities were set up, Blood Samaritan Program

Overall picture of the NS blood program scale and scope of activities:

One of the major suppliers of blood in the country; member of the tripartite organization of the National Voluntary Blood Services Program (NVBSP) of the Department of Health by law; The Chairman of the Red Cross holds position as the Vice Chairman of the National Blood Service Council of the NVBSP

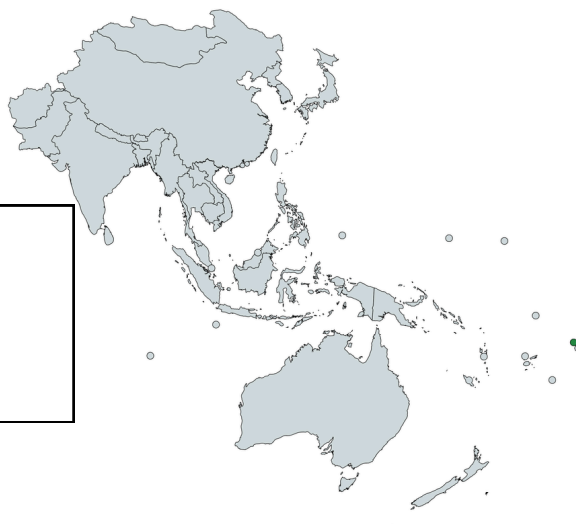


Level of RC/RC involvement: **B**

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population	222,382
GDP (USD)	832m
Human Development	High
HDI	0.707
HDI rank (of 191)	111
Life expectancy at birth	72.8
Median age	/
Maternal mortality ratio	43.0
(per 100,000 live births)	

Asia Pacific National Context

National Blood Program

Blood program provision: Ministry of Health and Samoa Red Cross Society

Coordination: National and regional

Fixed blood collection centres: Several blood collection centres (2 hospitals & the community) # Blood testing/processing centres: Not provided
2 blood testing /processing centres

National authority for blood program activities:	Yes	Members of the National Blood Committee based in the TTM Hospital
Technical standards for blood programs:	Yes	WHO Standards
National haemovigilance program:	Yes	

Blood program funding: Government allocates funding for the functionality of the Blood Bank

% VNRBD: 100% % Replacement donors: 60% % Paid donors: 0% % Other donor types: 0%

National blood demand met: Yes Plasma fractionation within the country: Yes

Common uses of blood: Maternal trauma and cancer

Significant challenges: No

Relevant history / significant changes/impacts: No

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, Printing and disseminating materials, Involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: National Society, government
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: 5,843 (2021)

Blood donor recruitment strategies: Yes

Outreach / mobiles, Pre-donation education talks / seminars, Volunteer engagement, Schools / university engagement, Targeting youth, businesses, Radio / tv, Social media

Donor retention strategies: Yes

Personalised sms / email (thank you or reminder to donate), Other: Recruiting regular blood donors



Blood collection and processing

Blood donor interview: No

Blood collection: No

- Proportion (%) of the overall national blood supply: N/A
- Number of fixed collection sites: N/A
- Proportion (%) whole blood collections donated at fixed collection sites: N/A
- Total number of individual donors who made a whole blood and/or apheresis donation: N/A
- Number of new donors: N/A
- Number of repeat / regular donors: N/A
- Total number of collections: N/A
- Number of whole blood collections: N/A
- Number of plasmapheresis collections: N/A
- Number of plateletpheresis collections: N/A
- Number of red cell apheresis collections: N/A
- Number of other collection types: N/A
- Percentage (%) voluntary non-remunerated blood donors for all collection types: N/A

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- | | |
|--|-------------------------------|
| • Therapeutic collection of whole blood / plasma: No | • Solid organ transplants: No |
| • Cord blood banking: No | • Cornea: No |
| • Peripheral blood stem cells: No | • Other biomedical: No |
| • Bone marrow: No | • Other: No |



National Society background

Structure of your NS blood program activities:

- National
- Hospital based

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided



Singapore

Level of RC/RC involvement: **B**

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 5,637,022

GDP (USD) 466,789m

Human Development Very High

HDI 0.939

HDI rank (of 191) 12

Life expectancy at birth 82.8

Median age 35.6

Maternal mortality ratio 8.0
(per 100,000 live births)

National Blood Program

Blood program provision: Government / Singapore Red Cross

Coordination: National

Fixed blood collection centres: 5

Blood testing/processing centres: 1

National authority for blood program activities: Yes

Health Sciences Authority

Technical standards for blood programs: Yes

Healthcare Services (Blood Banking Service) Regulations 2021

National haemovigilance program: Yes

Blood program funding: Government

% VNRBD: 100%

% Replacement donors:

% Paid donors:

% Other donor types:

National blood demand met: Yes

Plasma fractionation within the country: Yes

Common uses of blood: General Surgery, General Medicine, Haematology, Accident & Emergency

Significant challenges: N/A

Relevant history / significant changes/impacts: N/A

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, printing and disseminating materials, involvement in World Blood Donor Day, other: Information on Website, Blood app, Sharing stories from donors/recipients/medical staff



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Government
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 74,000

Blood donor recruitment strategies:

Outreach / mobiles

Volunteer engagement, Targeting youth, Social media, School / university engagement, radio and tv

Donor retention strategies:

Personalised sms/email

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

The Singapore Red Cross was appointed as the national blood donor recruiter in April 2001. SRC work in partnership with the HAS to collect blood from donors on a voluntary, non-remunerated basis

Overall picture of the NS blood program scale and scope of activities:

Not provided



Solomon Islands

Level of RC/RC involvement: **B**

% National VNRBD: Undetermined

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 724,273

GDP (USD) 1,596m

Human Development Medium

HDI 0.564

HDI rank (of 191) 155

Life expectancy at birth 70.3

Median age 23.5

Maternal mortality ratio 104.0
(per 100,000 live births)

National Blood Program

Blood program provision: SIRC VNRBD was responsible for coordination and organising awareness and organising blood drives and the blood bank team only accompanied the VNRBD team for blood drives.

Coordination: National

Fixed blood collection centres: We have 3 blood banks only in the whole Solomon Islands. We are planning to reachout with awareness to the other two provinces which have blood banks.

National authority for blood program activities: Yes We had a blood donation committee headed by the MHMS Blood bank Director.

Technical standards for blood programs: Yes

National haemovigilance program: Yes

Blood program funding: Previously the major financial donor was ARC but from 2019 only the SIRC NS pays for the VNRBD coordinator and for the blood donors refreshment was donated by a Business company.

% VNRBD: Undetermined

% Replacement donors: Undetermined

% Paid donors: 0%

% Other donor types:

National blood demand met: No

Plasma fractionation within the country: Not provided

Common uses of blood: Not provided

Significant challenges: Not provided

Relevant history / significant changes/impacts: We have 3 blood banks only in the whole Solomon Islands. We are planning to reachout with awareness to the other two provinces which have blood banks.

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, Printing and disseminating materials, Involvement in World Blood Donor Day, Other: We do awareness at schools, offices, churches, communities



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- | | |
|---|--|
| <ul style="list-style-type: none"> • Strategy for blood donor recruitment and retention planning: Yes • Donor recruitment and retention activity funding:
National Society, Private organisations, Partners | <ul style="list-style-type: none"> • Paid positions (staff) for donor recruitment and retention: Yes • Number of donors recruited / registered to donate by the NS:
2022 - Males: 220, Females: 117 2023 - Males: 103, Females: 57 |
|---|--|

Blood donor recruitment strategies:

Outreach / mobiles, Pre-donation education talks / seminars, Volunteer engagement, Schools / university engagement, Targeting youth, businesses, Radio / tv, Social media, Other: We have timeline for blood retention. We keep records of donation times for the all recurrent blood donors

Donor retention strategies:

Donor clubs, Loyalty programs / gifts, Booking service when donating, Other: We accompanied the blood bank technicians during blood drives. We give them refreshment which motivates them to donate blood.

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

COVID 19 affects our VNRBD collection especially year 2022

Overall picture of the NS blood program scale and scope of activities:

The NS program centralised its implemented activities in Honiara



Sri Lanka

Asia Pacific National Context

Level of RC/RC involvement: **B**

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 22,181,000

GDP (USD) 74,404m

Human Development High

HDI 0.782

HDI rank (of 191) 73

Life expectancy at birth 76.4

Median age 33.7

Maternal mortality ratio 36.0
(per 100,000 live births)

National Blood Program

Blood program provision:

- Government
- Red Cross

Coordination: National and regional

Fixed blood collection centres: /

Blood testing/processing centres: 103

National authority for blood program activities: Yes

National Blood Transfusion Service

Technical standards for blood programs: Yes

<https://www.nbts.health.gov.lk>

National haemovigilance program: Not provided

Blood program funding: Government

% VNRBD: 100%

% Replacement donors:

% Paid donors:

% Other donor types:

National blood demand met: Yes

Plasma fractionation within the country: Not provided

Common uses of blood: Excessive bleeding due to accident and childbirth

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, Printing and disseminating materials, Involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Blood service, National Society, Government, Private organisations, Partners
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: 4,336

Blood donor recruitment strategies:

Outreach / mobiles, Pre-donation education talks / seminars, Volunteer engagement, Schools / university engagement, Targeting youth, businesses, Radio / tv, Social media

Donor retention strategies:

Donor clubs, Loyalty programs / gifts, Other

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Blood donor requirement is a main programme in the SLRCS Health Department which aiming to become the main partner of MOH in recruiting its regular non-paid donors through our extensive branch coverage. In the recent years SLRCS has contributed collecting around 7000 pints of blood for the National blood collection.

Overall picture of the NS blood program scale and scope of activities:

- Distribution and Utilization
- Blood Types
- Frequency of Blood Drives
- Community Outreach:
- Collaborations
- Storage and Safety Measures
- Response to Emergencies
- Volunteer Engagement:
- Blood Donation Eligibility Criteria
- Awareness Campaigns
- Technology and Innovation:
- Quality Assurance:
- Challenges and Future Plans:



Thailand

Asia Pacific

National Context

Level of RC/RC involvement: A1

% National VNRBD: 100%

NS proportion of national blood supply (%): 43%

Number of units collected by NS: 1,044,935



Population 71,697,030

GDP (USD) 495,341m

Human Development Very High

HDI 0.8

HDI rank (of 191) 66

Life expectancy at birth 78.7

Median age 39

Maternal mortality ratio 37.0
(per 100,000 live births)

National Blood Program

Blood program provision: National Blood Centre, Thai Red Cross Society provide blood policy, standard, guideline, and collaborations. Hospital bases blood services provide collaboration on blood donation.

Coordination: National

Fixed blood collection centres: 184

Blood testing/processing centres: 26 Laboratory and 184 processing Lab

National authority for blood program activities: Yes National Blood Centre, Thai Red Cross Society is assigned by government to be national body for leading blood program. Unfortunately, Thailand do not have blood law or any Thai regulation from Thai FDA or Ministry of public health.

Technical standards for blood programs: Yes National Blood Centre, Thai Red Cross Society provide standard, guidelines and all criterias that involve in blood services for all blood centers in country

National haemovigilance program: Yes

Blood program funding: Mix of government funding and service cost recovery from national health insurance and patients.

% VNRBD: 100% **% Replacement donors:** 0% We usually have announced to families and friends to donate blood as voluntary without condition to replace the stored blood used. **% Paid donors:** 0% **% Other donor types:** Few

National blood demand met: Yes, overall. Some periods of shortage in short time but rapidly recover with recruitment campaigns.

Plasma fractionation within the country: Yes

Common uses of blood: Hematologic diseases, Cancer, and Operation

Significant challenges: The deferral criteria for high risk of sexual behaviour and donor care on low haemoglobin level to decrease number of donor deferral are challenging.

Relevant history / significant changes/impacts: None

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, printing and disseminating materials, involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: National Society, government
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS:
1,248,988 whole blood donation attendances or
638,593 whole blood donors

Blood donor recruitment strategies: Yes

Outreach / mobiles, pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, businesses, radio / tv, social media

Donor retention strategies: Yes

donor clubs, loyalty programs / gifts, personalised sms / email (thank you or reminder to donate), booking service when donating

National Society Activities



Blood collection and processing

Blood donor interview: Yes

Blood collection: Yes

- Proportion (%) of the overall national blood supply: 43%
- Number of fixed collection sites: 25
- Proportion (%) whole blood collections donated at fixed collection sites: 53%
- Total number of individual donors who made a whole blood and/or apheresis donation: 543,105
- Number of new donors: 140,671
- Number of repeat / regular donors: 523,720
- Total number of collections: 1,044,935
- Number of whole blood collections: 1,020,165
- Number of plasmapheresis collections: 13,951
- Number of plateletpheresis collections: 10,370
- Number of red cell apheresis collections: 449
- Number of other collection types: 0
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 100%

Processing of blood into separate components: Yes

Red cell (LPRC, LDPRC), plasma (FFP, CRP), platelet (LPPC), cryoprecipitate

Pathogen reduction of any blood components: Yes

Blood screening tests: Yes

Post donation counselling of blood screening test results: Yes



Pre-transfusion testing

Distribution of blood to hospitals / clinics: Yes

Crossmatching / compatibility testing for transfusion: Yes, for problem cases only

Transfusion of blood products: No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: Yes
- Operate a fractionation facility to manufacture plasma derived medicinal products: Yes

Other activities:

- Therapeutic collection of whole blood / plasma: No
- Cord blood banking: No
- Peripheral blood stem cells: Yes
- Bone marrow: Yes
- Solid organ transplants: Yes
- Cornea: No
- Other biomedical: No
- Other: No



National Society background

Structure of your NS blood program activities:

- National
- Both separate blood service and hospital based blood centres

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided



Timor-Leste

Level of RC/RC involvement: B

% National VNRBD: 50%

NS proportion of national blood supply (%): Unknown

Number of units collected by NS: 1,015



Population	1,341,296
GDP (USD)	3,163m
Human Development	Medium
	0.0607
HDI rank (of 191)	140
Life expectancy at birth	67.7
Median age	19.5
Maternal mortality ratio	142.0
	(per 100,000 live births)

Asia Pacific National Context

National Blood Program

Blood program provision: Central Government/MoH, Red Cross and WHO

Coordination: National, regional

Fixed blood collection centres: Not provided

Blood testing/processing centres: HNGV/Banco de sangue Nacional Timor-Leste

National authority for blood program activities: Yes

HNGV/Banco de sangue Nacional Timor-Leste

Technical standards for blood programs: Yes

No guideline yet, Timor-Leste adapted Guideline WHO

National haemovigilance program: Not provided

Blood program funding: Governments and international agencies

% VNRBD: 50%

% Replacement donors: 78%

% Paid donors:

% Other donor types:

National blood demand met: Not provided

Plasma fractionation within the country: Not provided

Common uses of blood: Maternal

Significant challenges: Lack of budget and changes in donor behaviour

Relevant history / significant changes/impacts: People mindset are still declining it's very difficult to convince donors

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, printing and disseminating materials, involvement in World Blood Donor Day, other: Messages through telecommunication and workshop



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Partners
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 4,847

Blood donor recruitment strategies: Yes

Outreach / mobiles, pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, businesses, radio / tv, social media

Donor retention strategies: Yes

Booking service when donating, Other: Agreement with university, NGOs and private company and workshop



Blood collection and processing

Blood donor interview: No

Blood collection: No, but space at the CVTL HQ is used by Ministry of Health staff for blood collection .

- Proportion (%) of the overall national blood supply: N/A
- Number of fixed collection sites: N/A
- Proportion (%) whole blood collections donated at fixed collection sites: N/A
- Total number of individual donors who made a whole blood and/or apheresis donation: N/A
- Number of new donors: N/A
- Number of repeat / regular donors: N/A
- Total number of collections: N/A
- Number of whole blood collections: N/A
- Number of plasmapheresis collections: N/A
- Number of plateletpheresis collections: N/A
- Number of red cell apheresis collections: N/A
- Number of other collection types: N/A
- Percentage (%) voluntary non-remunerated blood donors for all collection types: N/A

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- | | |
|--|-------------------------------|
| • Therapeutic collection of whole blood / plasma: No | • Solid organ transplants: No |
| • Cord blood banking: No | • Cornea: No |
| • Peripheral blood stem cells: No | • Other biomedical: No |
| • Bone marrow: No | • Other: No |



National Society background

Structure of your NS blood program activities:

- National
- Hospital based

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: The CVTL main task is for mobilization, education and socialization



Tonga

Not verified (did not respond)

Level of RC/RC involvement: **B**

% National VNRBD: Unknown

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Asia Pacific

National Context

Population 106,858

GDP (USD) 496m

Human Development High

HDI 0.745

HDI rank (of 191) 91

Life expectancy at birth 71

Median age /

Maternal mortality ratio 52.0
(per 100,000 live births)

National Blood Program

Blood program provision:

- Government
- Red Cross

Coordination: National

Fixed blood collection centres: 1

Blood testing/processing centres: 1

National authority for blood program activities: No N/A

Technical standards for blood programs: Yes Unknown

National haemovigilance program: No

Blood program funding: Unknown

% VNRBD: Unknown % Replacement donors: Unknown % Paid donors: Unknown % Other donor types: Unknown

National blood demand met: No Plasma fractionation within the country: Unknown

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities:

Unknown



Donor recruitment and retention

Provision of pre and post donation care information to donors: **Unknown**

Blood donor recruitment and retention: **Yes**

- Strategy for blood donor recruitment and retention planning: Unknown
- Donor recruitment and retention activity funding: No funding available
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: 161 (in 2021)

Blood donor recruitment strategies:

Donors recruited from workplaces, villages, church youth, volunteer groups, tertiary schools and sports clubs

Donor retention strategies:

Follow up contact

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Unknown

Overall picture of the NS blood program scale and scope of activities:

Unknown



Tuvalu

Asia Pacific National Context

Level of RC/RC involvement: **B**

% National VNRBD: 50%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population	11,312
GDP (USD)	60m
Human Development	Medium
HDI	0.641
HDI rank (of 191)	130
Life expectancy at birth	64.5
Median age	/
Maternal mortality ratio (per 100,000 live births)	/

National Blood Program

Blood program provision: Princess Margaret Hospital works closely with the Tuvalu Red Cross in the blood donation program. TRCS recruit donors for the hospital base on daily demand as there is no blood bank

Coordination: National

Fixed blood collection centres: 1

Blood testing/processing centres: 1

National authority for blood program activities: No

Technical standards for blood programs: No

National haemovigilance program: No

Blood program funding: The blood program is one of the program that is underfunded and disregards in Tuvalu. The government does not have any budget specifically for the blood donation program same goes to the national society. The program is there, but there is no funding allocation to it.

% VNRBD: 50%

% Replacement donors: 50%

% Paid donors: N/A

% Other donor types: N/A

National blood demand met: No

Plasma fractionation within the country: No

Common uses of blood: Maternal, surgeries, trauma and child health

Significant challenges: Donor hesitation, myths and misconception

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, Printing and disseminating materials, Involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: No
- Donor recruitment and retention activity funding: National Society
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: 15

Blood donor recruitment strategies:

Volunteer engagement

Donor retention strategies:

Other: Compensate them for transport, foods and drinks post donation

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Not provided

Overall picture of the NS blood program scale and scope of activities:

The national society do not collect blood, however collect donor and refer them to the national laboratory. They do not kept records it is the Ministry of Health(Lab unit) hold the results.



Vanuatu

Asia Pacific National Context

Level of RC/RC involvement: **D**

% National VNRBD:

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 326,740

GDP (USD) 984m

Human Development Medium

HDI 0.607

HDI rank (of 191) 140

Life expectancy at birth 70.4

Median age 23

Maternal mortality ratio 72.0
(per 100,000 live births)

National Blood Program

Blood program provision: Government - Ministry of Health

Coordination: National

Fixed blood collection centres: Vila central hospital, Port Vila - only
fixed centre for blood donation

Blood testing/processing centres: Vila Central hospital

National authority for blood program activities: Yes Vanuatu blood service

Technical standards for blood programs: Yes National guidelines exist

National haemovigilance program: Yes

Blood program funding: Government

% VNRBD: % Replacement donors: Majority of donors would be family donors % Paid donors: no paid donations % Other donor types:

National blood demand met: no paid donations

Plasma fractionation within the country: Not provided

Common uses of blood: Trauma, Surgeries, Deliveries

Significant challenges: Supply is not meeting the demand for blood. Lack of awareness of the importance of donation to the public.

Relevant history / significant changes/impacts: Concern over HIV/AIDs transmission - public unsure if sterile equipment/re-use of needles. Public perception that they can't donate blood if they drink too much Kava! Drug use - concern they shouldn't donate blood.

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities: No



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: Occasional years, NS has been involved in blood donor awareness for WBDD

Overall picture of the NS blood program scale and scope of activities: Lack of funding to support blood programme work. Lack of knowledge, training, resources at NS.



Vietnam

Level of RC/RC involvement: **A1**

% National VNRBD: 99%

NS proportion of national blood supply (%): >13%

Number of units collected by NS: 1,437,449



National Blood Program

Population	98,186,856
GDP (USD)	408,802m
Human Development	High
HDI	0.703
HDI rank (of 191)	115
Life expectancy at birth	13.6
Median age	31.9
Maternal mortality ratio	43.0
(per 100,000 live births)	

Blood program provision: Ministry of Health, Red Cross Society, National Blood Centre

Coordination: National, Regional

Fixed blood collection centres: 18

Blood testing/processing centres: 18

National authority for blood program activities: Yes

Ministry of Health, National Blood Centre

Technical standards for blood programs: Yes

MOH - Providing Guidance on the Blood Transfusion
Article 4 of Circular 26/2013/TT-BYT

National haemovigilance program: Yes

Blood program funding: Government budget, patient pay

% VNRBD: 99%

% Replacement donors:

% Paid donors:

% Other donor types:

1% (family/replacement donors and paid/professional donors)

National blood demand met: Yes

Plasma fractionation within the country: Yes

Common uses of blood: Blood disease, surgery, trauma, surgery operations, etc.

Significant challenges: Diseases, natural disasters, etc.

Relevant history / significant changes/impacts: In December 2001, Prime Minister issued decision on the approval of blood transfusion safety

In January 2002, Prime Minister issued decision on investment in a regional blood transfusion center project

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, printing and disseminating materials, involvement in World Blood Donor Day, other: NS blood donation campaigns such as New Year blood, Red Spring event, National blood donation day, Summer blood and Red Journey.



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Partners
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 1,437,449 blood units

Blood donor recruitment strategies: Yes

Outreach / mobiles, volunteer engagement, schools / university engagement, targeting youth, businesses, radio / tv, social media

Donor retention strategies: Yes

Donor clubs, personalised sms / email

National Society Activities

**Blood collection and processing****Blood donor interview:** Yes (HCM City only)**Blood collection:** Yes (HCM City only)

- Proportion (%) of the overall national blood supply: >13% (190,000 blood units from HCM City)
- Number of fixed collection sites: 3 branch
- Proportion (%) whole blood collections donated at fixed collection sites: Not provided
- Total number of individual donors who made a whole blood and/or apheresis donation: Not provided
- Number of new donors: Not provided
- Number of repeat / regular donors: 65%
- Total number of collections: 1,437,449
- Number of whole blood collections: 1370785
- Number of plasmapheresis collections: Not provided
- Number of plateletpheresis collections: 98039
- Number of red cell apheresis collections: Not provided
- Number of other collection types: Not provided
- Percentage (%) voluntary non-remunerated blood donors for all collection types: >99%

Processing of blood into separate components: Yes

Red cells, platelets, cryoprecipitate, plasma

Pathogen reduction of any blood components: No**Blood screening tests:** Yes**Post donation counselling of blood screening test results:** Yes**Pre-transfusion testing****Distribution of blood to hospitals / clinics:** Yes**Crossmatching / compatibility testing for transfusion:** Yes**Transfusion of blood products:** Yes

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- | | |
|---|-------------------------------|
| • Therapeutic collection of whole blood / plasma: Yes | • Solid organ transplants: No |
| • Cord blood banking: Yes | • Cornea: No |
| • Peripheral blood stem cells: Yes | • Other biomedical: No |
| • Bone marrow: Yes | • Other: No |



National Society background

Structure of your NS blood program activities:

- National
- Both separate blood service and hospital based blood centres

Relevant history for your NS blood program establishment:

The Prime Minister introduced a decision regarding National Steering Committee on Blood Donation Propaganda in 2008. VNRC was assigned to be the standing office of the Committee to the grassroot level.

Overall picture of the NS blood program scale and scope of activities:

VNRC is mainly in charge of the communication/ propaganda for blood donors and coordinate to manage blood donors with health sector at the branch level.

Europe & Central Asia - regional summary

National Societies by Category

Category A1

Austria
Belgium
Finland
Germany
Israel
Italy
Luxembourg
Spain
Switzerland
Turkiye

Category C

Armenia
Azerbaijan
Belarus
Cyprus
Estonia
Kyrgyzstan
Malta
Moldova, Republic of
Romania
Tajikistan
Ukraine

[Link to legend](#)

Category A2

Albania
Czech Republic
Hungary
Liechtenstein
Serbia

Nil (no involvement)

Denmark
France
Iceland
Ireland
Netherlands
Portugal
San Marino, Republic of
Sweden
Turkmenistan
United Kingdom

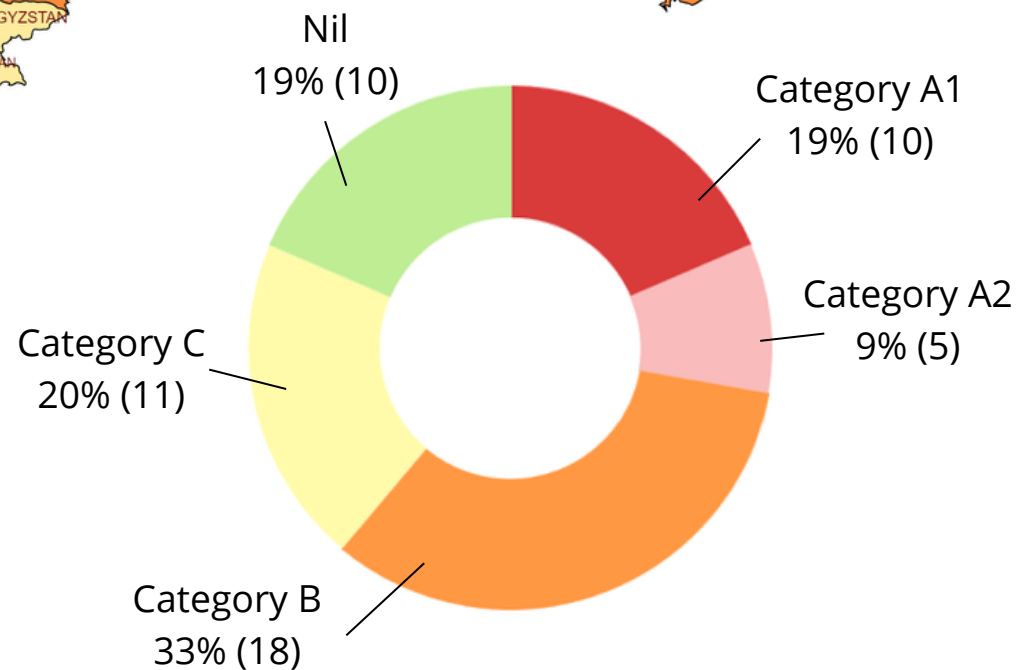
Category B

Andorra
Bosnia and Herzegovina
Bulgaria
Croatia
Georgia
Greece
Kazakhstan
Latvia
Lithuania
Monaco
Montenegro
North Macedonia, Republic of
Norway
Poland
Russian Federation
Slovakia
Slovenia
Uzbekistan



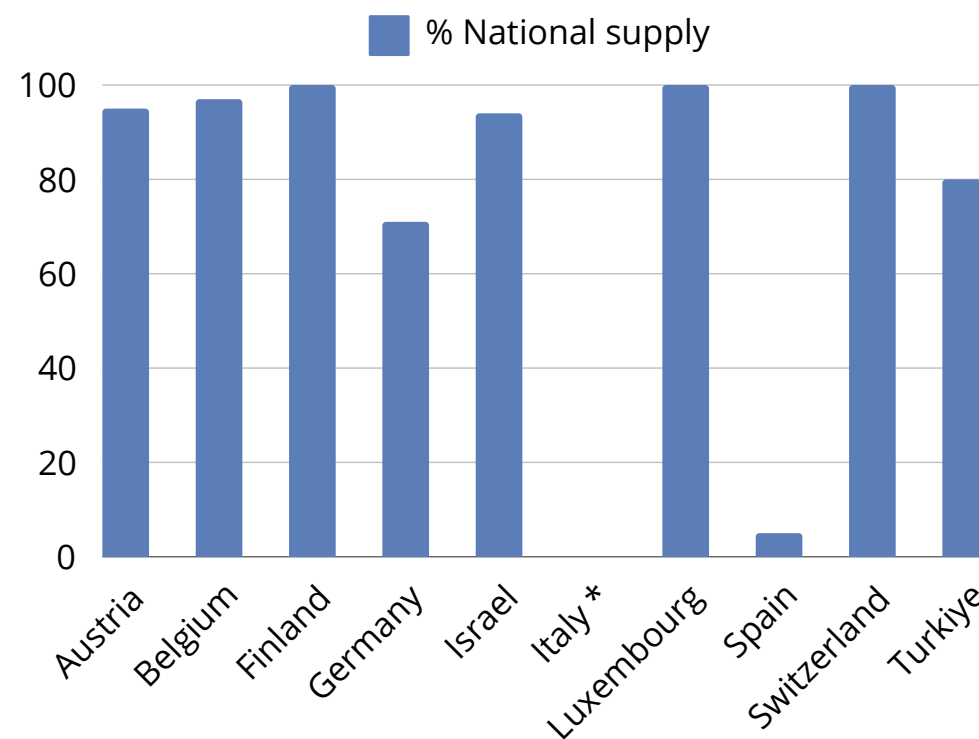
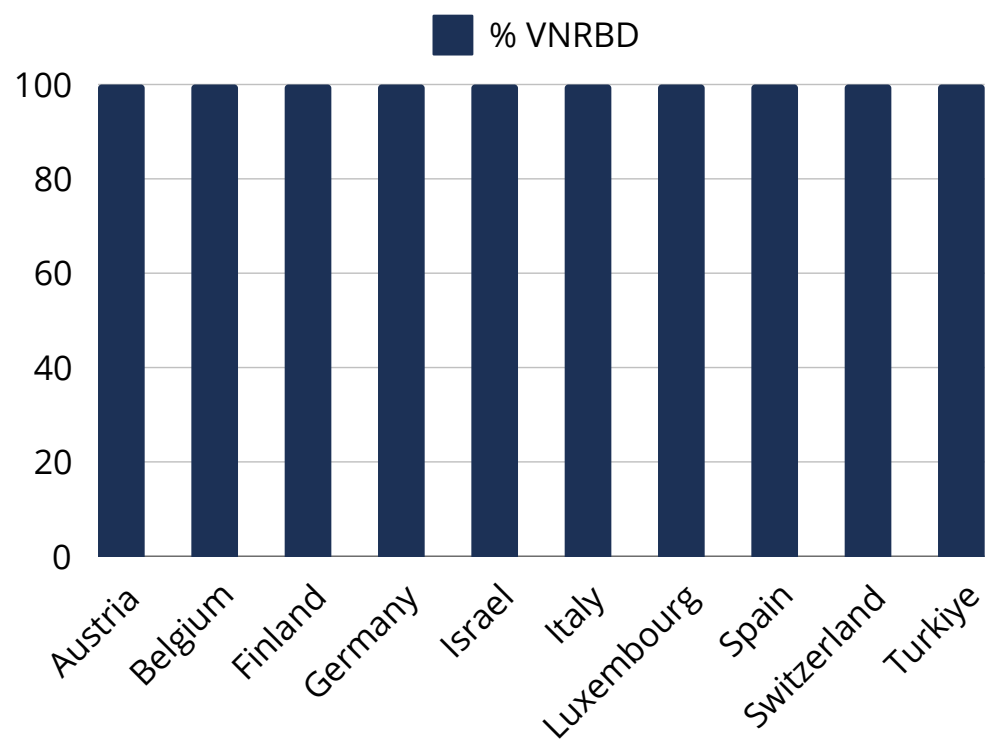
National Society Categories

Total = 54



[Link to legend](#)

Voluntary blood donation and national blood supply by National Society (Category A NS)



*Information not available



Albania

Level of RC/RC involvement: A2

% National VNRBD: 31% (2022)

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Europe and Central Asia National Context

Population 2,775,634

GDP (USD) 18,882m

Human Development High

HDI 0.796

HDI rank (of 191) 67

Life expectancy at birth 76.5

Median age 34.3

Maternal mortality ratio 15.0
(per 100,000 live births)

National Blood Program

Blood program provision: Government and Red Cross

Coordination: National

Fixed blood collection centres: 25

Blood testing/processing centres: 2

National authority for blood program activities: Yes

Details not provided

Technical standards for blood programs: Yes

Details not provided

National haemovigilance program: No

Blood program funding: Government

% VNRBD: 31% (2022)

% Replacement donors: 69% (2022)

% Paid donors: 69% (2022)

% Other donor types:

National blood demand met: Not provided

Plasma fractionation within the country: Not provided

Common uses of blood: Thalassemia diseases and other hematologic diseases.

Significant challenges: Our challenge is to recruit new donors and increase the number of periodic donations

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, Printing and disseminating materials, Involvement in World Blood Donor Day, Other: promoting blood donation session



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Government
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 4,918 (2022)

Blood donor recruitment strategies: Yes

Outreach / mobiles, pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, businesses, radio / tv, social media

Donor retention strategies: Yes

Other: distribution of promotional materials

National Society Activities

**Blood collection and processing****Blood donor interview:** Yes**Blood collection:** No

- Proportion (%) of the overall national blood supply: N/A
- Number of fixed collection sites: N/A
- Proportion (%) whole blood collections donated at fixed collection sites: N/A
- Total number of individual donors who made a whole blood and/or apheresis donation: N/A
- Number of new donors: N/A
- Number of repeat / regular donors: N/A
- Total number of collections: N/A
- Number of whole blood collections: N/A
- Number of plasmapheresis collections: N/A
- Number of plateletpheresis collections: N/A
- Number of red cell apheresis collections: N/A
- Number of other collection types: N/A
- Percentage (%) voluntary non-remunerated blood donors for all collection types: N/A

Processing of blood into separate components: No**Pathogen reduction of any blood components:** No**Blood screening tests:** No**Post donation counselling of blood screening test results:** No**Pre-transfusion testing****Distribution of blood to hospitals / clinics:** No**Crossmatching / compatibility testing for transfusion:** No**Transfusion of blood products:** No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: No
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: No



National Society background

Structure of your NS blood program activities:

- Not provided
- Not provided

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided



Andorra

Level of RC/RC involvement: B

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Europe and Central Asia National Context

Population	79,824
GDP (USD)	3,352m
Human Development	Very High
HDI	0.858
HDI rank (of 191)	40
Life expectancy at birth	80.4
Median age	/
Maternal mortality ratio (per 100,000 live births)	/

National Blood Program

Blood program provision: Health Service / Government

Coordination: National

Fixed blood collection centres: 0

Blood testing/processing centres: 0

National authority for blood program activities: No N/A

Technical standards for blood programs: No N/A

National haemovigilance program: No

Blood program funding: Government

% VNRBD: 100%

% Replacement donors:

% Paid donors:

% Other donor types:

National blood demand met: No

Plasma fractionation within the country: No

Common uses of blood: hospital interventions

Significant challenges: N/A

Relevant history / significant changes/impacts: No

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, Printing and disseminating materials, Other: We organize blood collections with Bang de Sang de Catalunya



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- | | |
|---|--|
| • Strategy for blood donor recruitment and retention planning: No | • Paid positions (staff) for donor recruitment and retention: Yes |
| • Donor recruitment and retention activity funding: National Society, private organisations | • Number of donors recruited / registered to donate by the NS: The donor database is held by the Blood Bank of Catalonia |

Blood donor recruitment strategies:

Volunteer engagement, schools / university engagement, targeting youth, radio / tv, social media

Donor retention strategies:

Other: Thanks and Reminder

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Not provided

Overall picture of the NS blood program scale and scope of activities:

Not provided



Armenia

Not verified

Level of RC/RC involvement: C

% National VNRBD: 10%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Europe and Central Asia National Context

Population 2,780,469

GDP (USD) 19,503m

Human Development High

HDI 0.759

HDI rank (of 191) 85

Life expectancy at birth 72

Median age 36.6

Maternal mortality ratio 26.0
(per 100,000 live births)

National Blood Program

Blood program provision: Government

Coordination: National

Fixed blood collection centres: 6 (1 in Yerevan, 5 in the regions)

Blood testing/processing centres: 6 (1 in Yerevan, 5 in the regions)

National authority for blood program activities: Yes

Details not provided

Technical standards for blood programs: Yes

Details not provided

National haemovigilance program: Yes

Blood program funding: Government, paid donors

% VNRBD: 10%

% Replacement donors: 20%

% Paid donors: 20%

% Other donor types: 0

National blood demand met: No

Plasma fractionation within the country: Yes

Common uses of blood: Trauma, injuries, emergencies, some diseases

Significant challenges: The demand is much higher than the amount of blood collected

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Media, printing and disseminating materials, involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: **Yes**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: Details not provided



Austria

Level of RC/RC involvement: A1

% National VNRBD: 100%

NS proportion of national blood supply (%): 95%

Number of units collected by NS: Not provided



Europe and Central Asia National Context

Population 9,042,528

GDP (USD) 471,400m

Human Development Very High

HDI 0.916

HDI rank (of 191) 25

Life expectancy at birth 81.6

Median age 44.5

Maternal mortality ratio 5.0
(per 100,000 live births)

National Blood Program

Blood program provision: Red Cross (95%)

Coordination: National and regional

Fixed blood collection centres: Not provided

Blood testing/processing centres: 7

National authority for blood program activities: Yes

Austrian Federal Office for Safety in Health Care -
Austrian Agency for Health and Food Safety -

Technical standards for blood programs: Yes

Blood directives of the EU

National haemovigilance program: Yes

Blood program funding: government

% VNRBD: 100%

% Replacement donors: 0%

% Paid donors: 0%

% Other donor types: very very few

National blood demand met: Yes

Plasma fractionation within the country: Yes

Common uses of blood: Oncology

Significant challenges: Changes in donor behaviour, next pandemic

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, Printing and disseminating materials, Involvement in World Blood Donor Day, Other: Info in schools, universities etc...



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Blood Service
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 225,000

Blood donor recruitment strategies: Yes

Outreach / mobiles, pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, businesses, radio / tv, social media

Donor retention strategies: Yes

Loyalty programs / gifts, personalised sms / email (thank you or reminder to donate), other: call center, personal SMS

National Society Activities

**Blood collection and processing****Blood donor interview:** Yes**Blood collection:** Yes

- Proportion (%) of the overall national blood supply: 95%
- Number of fixed collection sites: 5
- Proportion (%) whole blood collections donated at fixed collection sites: 12%
- Total number of individual donors who made a whole blood and/or apheresis donation: 225,000
- Number of new donors: 37,000
- Number of repeat / regular donors: 188,000
- Total number of collections: Details not provided
- Number of whole blood collections: 345,000
- Number of plasmapheresis collections: Details not provided
- Number of plateletpheresis collections: 12,500
- Number of red cell apheresis collections: Details not provided
- Number of other collection types: Details not provided
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 100%

Processing of blood into separate components: Yes

Erythrocyte and platelet concentrates, fresh frozen plasma

Pathogen reduction of any blood components: Yes**Blood screening tests:** Yes**Post donation counselling of blood screening test results:** Yes**Pre-transfusion testing****Distribution of blood to hospitals / clinics:** Yes**Crossmatching / compatibility testing for transfusion:** Yes**Transfusion of blood products:** No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: Yes
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- | | |
|--|--------------------------------|
| • Therapeutic collection of whole blood / plasma: No | • Solid organ transplants: No |
| • Cord blood banking: Yes | • Cornea: Yes |
| • Peripheral blood stem cells: Yes | • Other biomedical: No |
| • Bone marrow: Yes | • Other: Haemophilia treatment |



National Society background

Structure of your NS blood program activities:

- Decentralised
- Not provided

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided



Azerbaijan

Europe and Central Asia National Context

Level of RC/RC involvement: C

% National VNRBD: Not provided

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population	10,175,016
GDP (USD)	78,721m
Human Development	High
HDI	0.745
HDI rank (of 191)	91
Life expectancy at birth	69.4
Median age	32.6
Maternal mortality ratio	26.0
(per 100,000 live births)	

National Blood Program

Blood program provision: Not provided

Coordination: Not provided

Fixed blood collection centres: Not provided

Blood testing/processing centres: Not provided

National authority for blood program activities: Not provided Not provided

Technical standards for blood programs: Not provided Not provided

National haemovigilance program: Not provided

Blood program funding: Not provided

% VNRBD: Not provided % Replacement donors: Not provided % Paid donors: Not provided % Other donor types: Not provided

National blood demand met: Not provided Plasma fractionation within the country: Not provided

Common uses of blood: Not provided

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Printing and disseminating materials, Involvement in World Blood Donor Day, Other: targeted pre-donation talks and engagement sessions ahead of planned events



Donor recruitment and retention

Provision of pre and post donation care information to donors: **Yes**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: Details not provided



Belarus

Europe and Central Asia National Context

Level of RC/RC involvement: C

% National VNRBD: 30%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population	9,208,701
GDP (USD)	72,793m
Human Development	Very High
HDI	0.808
HDI rank (of 191)	60
Life expectancy at birth	72.4
Median age	40.9
Maternal mortality ratio	2.0
(per 100,000 live births)	

National Blood Program

Blood program provision: Government

Coordination: National and regional

Fixed blood collection centres: 41

Blood testing/processing centres: 41

National authority for blood program activities: Yes

Ministry of Health

State Institution "Republican Scientific and Practical Center of Transfusiology and Medical Biotechnologies"

Technical standards for blood programs: Yes

<https://blood.by/o-centre/normativno-pravovaya-baza>

National haemovigilance program: Not provided

Blood program funding: Not provided

% VNRBD: 30%

% Replacement donors: Not provided

% Paid donors: Not provided

% Other donor types: Not provided

National blood demand met: Yes

Plasma fractionation within the country: Yes

Common uses of blood: Not provided

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Media, Involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: **No**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: Details not provided



Belgium (Flanders)

Level of RC/RC involvement: A1

% National VNRBD: 100%

NS proportion of national blood supply (%): 60%

Number of units collected by NS: 402,806



Population	11,669,446
GDP (USD)	578,604m
Human Development	Very High
HDI	0.937
HDI rank (of 191)	13
Life expectancy at birth	81.9
Median age	41.6
Maternal mortality ratio	5.0 (per 100,000 live births)

National Blood Program

Blood program provision: Red Cross - Flanders; Red Cross - French
2 small hospital-based centers in French speaking part, representing less than 5% of total

Coordination: Regional/district

Fixed blood collection centres: 14 BRC (French and Flanders); 2 hospital based

Blood testing/processing centres: 2 (BRC - Flanders)
1 (BRC - French)
2 hospital based

National authority for blood program activities: Yes

Federal Agency for Medicines and Health Products (FAMHP)

Technical standards for blood programs: Yes

EU guidelines / Council of Europe

National haemovigilance program: Yes

Blood program funding: Health insurance system, price set by the Minister of Health

% VNRBD: 100%

% Replacement donors:

% Paid donors:

% Other donor types:

National blood demand met: Yes

Plasma fractionation within the country: Yes

Common uses of blood: Cancer, surgery

Significant challenges: Increase in plasmapheresis program

Relevant history / significant changes/impacts:

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, Printing and disseminating materials, Involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Blood service
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 23,186 (new donors)

Blood donor recruitment strategies: Yes

Outreach / mobiles, Volunteer engagement, Schools / university engagement, Targeting youth, businesses, Radio / TV, Social media

Donor retention strategies: Yes

Donor clubs, Personalised sms / email (thank you or reminder to donate), Booking service when donating

National Society Activities



Blood collection and processing

Blood donor interview: Yes

Blood collection: Yes

- Proportion (%) of the overall national blood supply: 60% by Belgian Red Cross-Flanders
35 % by Belgian Red Cross-French speaking
- Number of fixed collection sites: 14
- Proportion (%) whole blood collections donated at fixed collection sites: 20%
- Total number of individual donors who made a whole blood and/or apheresis donation: 171.176
- Number of new donors: 23,186
- Number of repeat / regular donors: 126.24
- Total number of collections: 402.806
- Number of whole blood collections: 243.344
- Number of plasmapheresis collections: 144.428
- Number of plateletpheresis collections: 15.034
- Number of red cell apheresis collections: N/A
- Number of other collection types: N/A
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 100%

Processing of blood into separate components: Yes

Red cells, platelets, fresh frozen plasma, plasma derived medicinal products

Pathogen reduction of any blood components: Yes

Blood screening tests: Yes

Post donation counselling of blood screening test results: Yes



Pre-transfusion testing

Distribution of blood to hospitals / clinics: Yes

Crossmatching / compatibility testing for transfusion: Yes

Transfusion of blood products: No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: Yes
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: No
- Cord blood banking: Yes
- Peripheral blood stem cells: Yes
- Bone marrow: Yes
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: Management of biobank, management of Belgian Bone Marrow registry, R&D



National Society background

Structure of your NS blood program activities:

- Decentralised
- Separate blood service

Relevant history for your NS blood program establishment: Increase of plasmapheresis program by 5% annually

Overall picture of the NS blood program scale and scope of activities:



Belgium (French)

Level of RC/RC involvement: A1

% National VNRBD: 100%

NS proportion of national blood supply (%): 35%

Number of units collected by NS: 188,037



Population	11,669,446
GDP (USD)	578,604m
Human Development	Very High
HDI	0.937
HDI rank (of 191)	13
Life expectancy at birth	81.9
Median age	41.6
Maternal mortality ratio	5.0 (per 100,000 live births)

National Blood Program

Blood program provision: Red Cross - Flanders; Red Cross - French; asbl La Transfusion Charleroi; CHU-UCL Namur Site Godinne

Coordination: Regional

Fixed blood collection centres: 16 BRC French

Blood testing/processing centres: 2 BRC French

National authority for blood program activities: Yes

Federal Agency for Medicines and Health Products (FAMHP)

Technical standards for blood programs: Yes

Details not provided

National haemovigilance program: Yes

Blood program funding: By invoicing LBPs to hospitals/clinics at the set price by the legislator and to a lesser extent, subsidies and finally, by billing for fractionation plasmas at the fractionator

% VNRBD: 100%

% Replacement donors:

% Paid donors:

% Other donor types:

National blood demand met: Yes

Plasma fractionation within the country: No

Common uses of blood: Obstetrics/Maternity, Oncology, Traumatology, Surgery, etc.

Significant challenges: Achieve self-sufficiency in plasma fractionation and donor recruitment/retention

Relevant history / significant changes/impacts: Since 2018, national plasma collection program for the production of fractionated plasma products

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, printing and disseminating materials, involvement in World Blood Donor Day, Other



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Blood service
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 16,891

Blood donor recruitment strategies: Yes

Volunteer engagement, schools / university engagement, targeting youth, radio / tv, social media, other: Mobile collections at village blood drives
Corporate programs

Donor retention strategies: Yes

Loyalty programs / gifts, personalised sms / email, thank you or reminder to donate, other: Telephone, Call Center, Mail

National Society Activities



Blood collection and processing

Blood donor interview: Yes

Blood collection: Yes

- Proportion (%) of the overall national blood supply: 92%
- Number of fixed collection sites: 16
- Proportion (%) whole blood collections donated at fixed collection sites: 34%
- Total number of individual donors who made a whole blood and/or apheresis donation: 93,329
- Number of new donors: 16,891
- Number of repeat / regular donors: 43,862
- Total number of collections: 817
- Number of whole blood collections: 148,450
- Number of plasmapheresis collections: 29,892
- Number of plateletpheresis collections: 9,695
- Number of red cell apheresis collections: 0
- Number of other collection types: 0
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 100%

Processing of blood into separate components: Yes

Platelet concentrates, BM plasma, Plasma Fract., CED, Irradiated CED

Pathogen reduction of any blood components: No

Blood screening tests: Yes

Post donation counselling of blood screening test results: Yes



Pre-transfusion testing

Distribution of blood to hospitals / clinics: Yes

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: Yes
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: No
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: No



National Society background

Structure of your NS blood program activities:

- Centralised (Wallonia)
- Separate blood service

Relevant history for your NS blood program establishment: Since 2018, national plasma collection program for the production of plasma products

Overall picture of the NS blood program scale and scope of activities: No



Bosnia and Herzegovina

Level of RC/RC involvement: B

% National VNRBD: Unknown

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population	3,233,526
GDP (USD)	24,528m
Human Development	High
HDI	0.78
HDI rank (of 191)	74
Life expectancy at birth	75.5
Median age	43.3
Maternal mortality ratio	10.0 (per 100,000 live births)

National Blood Program

Blood program provision: Government; Ministries of Health; Blood transfusion centers; Red Cross- as partner for promotion, animation and motivation; retention

Coordination: Regional/ district

Fixed blood collection centres: 18

Blood testing/processing centres: 18

National authority for blood program activities: No N/A

Technical standards for blood programs: No N/A

National haemovigilance program: No

Blood program funding: Partially by government; projects; donations and etc

% VNRBD: Unknown % Replacement donors: n/a % Paid donors: n/a % Other donor types: n/a

National blood demand met: No Plasma fractionation within the country: Not provided

Common uses of blood: Cancer; accidents - trauma

Significant challenges: Complex country and health system; decentralisation

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, Printing and disseminating materials, Involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: National Society, government, partners
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: 35764

Blood donor recruitment strategies:

Volunteer engagement, Schools / university engagement, Targeting youth, businesses, Radio / TV, Social media

Donor retention strategies:

Other: loyalty programs/gifts (gadgets, small gifts, meals etc); Awards for multiple blood donations (50+,75,100 donations); Sport competitions and picnic for donors)

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Not provided

Overall picture of the NS blood program scale and scope of activities:

Not provided



Bulgaria

Level of RC/RC involvement: B

% National VNRBD: 25%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Europe and Central Asia National Context

Population 6,465,097

GDP (USD) 89,040m

Human Development High

HDI 0.795

HDI rank (of 191) 68

Life expectancy at birth 71.8

Median age 43.7

Maternal mortality ratio 10.0
(per 100,000 live births)

National Blood Program

Blood program provision: Government

Coordination: National

Fixed blood collection centres: Not provided

Blood testing/processing centres: 5

National authority for blood program activities: Yes

Ministry of Health; Bulgarian Drug Agency; National Drug Agency and Expert accreditation committee; National consultative committee for VNRBD

Technical standards for blood programs: Yes

EDQM, DG-SANTE, ECDC, Directive 2002/98/??, Directive 2004/23/??, Directive 2005/62/??, Good Practice Guidelines (GPG) prepared through European Directorate for the Quality Of Medicines & HealthCare of the Council Of Europe (EDQM/CoE) and the Commission Of the European Union (EU).

National haemovigilance program: Yes

Blood program funding: Not provided

% VNRBD: 25

% Replacement donors: 74

% Paid donors: 74

% Other donor types: No

National blood demand met: No

Plasma fractionation within the country: Yes

Common uses of blood: Trauma, maternal/child health, cancer etc.

Significant challenges: COVID-19 pandemic

Relevant history / significant changes/impacts: No

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, Printing and disseminating materials, Involvement in World Blood Donor Day, Other: Awards for the long term voluntary blood donors.



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: National Society, Partners
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: 1797

Blood donor recruitment strategies:

Pre-donation education talks / seminars, Volunteer engagement, Schools / university engagement, Targeting youth, businesses, Radio / TV, Social media

Donor retention strategies:

Loyalty programs

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Not provided

Overall picture of the NS blood program scale and scope of activities:

Not provided



Croatia

Not verified (did not respond)

Level of RC/RC involvement: B

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Europe and Central Asia National Context

Population 3,854,000

GDP (USD) 70,965m

Human Development Very High

HDI 0.858

HDI rank (of 191) 40

Life expectancy at birth 77.6

Median age 43.9

Maternal mortality ratio 8.0
(per 100,000 live births)

National Blood Program

Blood program provision: 1 x blood establishment of the Croatian Institute of Transfusion Medicine (CITM) - Ministry of Health (independent and reference centre)
6 x blood establishment (hospital based)
27 x hospital based blood banks

Coordination: Nationally

Fixed blood collection centres: Unknown

Blood testing/processing centres: 7 (1 x CITM, 6 x hospital based)

National authority for blood program activities: Yes

Agency for Medicinal Products and Medical Devices

Technical standards for blood programs: Yes

Unknown

National haemovigilance program: Yes

Blood program funding: Blood services are funded directly or via the hospital budget from the Croatian Institute of Health Insurance. Additional funds are collected on a fee for service bases. The CITM is financially independent.

% VNRBD: 100%

% Replacement donors: /

% Paid donors: /

% Other donor types: /

National blood demand met: Unknown

Plasma fractionation within the country: Yes

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Unknown

Community awareness activities:

Unknown



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Government
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: Unknown

Blood donor recruitment strategies:

Targeting businesses

Donor retention strategies:

Unknown

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Not provided

Overall picture of the NS blood program scale and scope of activities:

Not provided



Cyprus

Europe and Central Asia National Context

Level of RC/RC involvement: C

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population	1,251,488
GDP (USD)	28,439m
Human Development	Very High
HDI	0.896
HDI rank (of 191)	29
Life expectancy at birth	81.2
Median age	37.9
Maternal mortality ratio	6.0 (per 100,000 live births)

National Blood Program

Blood program provision: Blood Centre (Government)

Coordination: National

Fixed blood collection centres: 5

Blood testing/processing centres: N/A

National authority for blood program activities: Yes

Blood Centre: http://www.aimodosia.gov.cy_

Technical standards for blood programs: Yes

http://www.aimodosia.gov.cy/moh/blood/blood.nsf/index_gr/index_gr?opendocument

National haemovigilance program: Yes

Blood program funding: Government

% VNRBD: 100%

% Replacement donors: N/A

% Paid donors: N/A

% Other donor types: Not provided

National blood demand met: Yes

Plasma fractionation within the country: Yes

Common uses of blood: Cancer, trauma, premature babies, surgery

Significant challenges: Changes in donor behaviour

Relevant history / significant changes/impacts: In 2017 the Blood Centre was established in Cyprus.

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

When organising and promoting an event the following strategies are used: Volunteer engagement, Schools / university engagement, Targeting youth, businesses, Social media



Donor recruitment and retention

Provision of pre and post donation care information to donors: **No**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: The voluntary blood donation programme was established in 1969.

Overall picture of the NS blood program scale and scope of activities: To add that there are 7 Branches instead of 6 - Polis Chrysochous Branch (latest addition) and 1 Local Unit: Kokkinochoria.

The Limassol and Larnaca Branches are the most active.



Czechia

Level of RC/RC involvement: A2

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Europe and Central Asia National Context

Population 10,526,073

GDP (USD) 290,924m

Human Development Very High

HDI 0.889

HDI rank (of 191) 32

Life expectancy at birth 77.7

Median age 43.3

Maternal mortality ratio 3.0
(per 100,000 live births)

National Blood Program

Blood program provision: Government

Coordination: National

Fixed blood collection centres: 84

Blood testing/processing centres: 65

National authority for blood program activities: Yes

national transfusion commission

Technical standards for blood programs: Yes

Decree on human blood

National haemovigilance program: Yes

Blood program funding: Government, service cost recovery from insurers

% VNRBD: 100%

% Replacement donors:

% Paid donors:

% Other donor types:

National blood demand met: Yes

Plasma fractionation within the country: No

Common uses of blood: Not provided

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: No
- Donor recruitment and retention activity funding: National Society, government, private organisations, partners
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: 220,600 (2022)

Blood donor recruitment strategies: Yes

Pre-donation education talks / seminars, schools / university engagement

Donor retention strategies: Yes

Donor clubs, personalised sms / email, thank you or reminder to donate, booking service when donating

National Society Activities

**Blood collection and processing****Blood donor interview:** Yes**Blood collection:** No

- Proportion (%) of the overall national blood supply: N/A
- Number of fixed collection sites: N/A
- Proportion (%) whole blood collections donated at fixed collection sites: N/A
- Total number of individual donors who made a whole blood and/or apheresis donation: N/A
- Number of new donors: N/A
- Number of repeat / regular donors: N/A
- Total number of collections: N/A
- Number of whole blood collections: N/A
- Number of plasmapheresis collections: N/A
- Number of plateletpheresis collections: N/A
- Number of red cell apheresis collections: N/A
- Number of other collection types: N/A
- Percentage (%) voluntary non-remunerated blood donors for all collection types: N/A

Processing of blood into separate components: No**Pathogen reduction of any blood components:** No**Blood screening tests:** No**Post donation counselling of blood screening test results:** No**Pre-transfusion testing****Distribution of blood to hospitals / clinics:** No**Crossmatching / compatibility testing for transfusion:** No**Transfusion of blood products:** No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: No
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: No



National Society background

Structure of your NS blood program activities:

- National
- Hospital based

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided



Denmark

Europe and Central Asia National Context

Level of RC/RC involvement: **D**

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population	5,903,037
GDP (USD)	395,404m
Human Development	Very High
HDI	0.948
HDI rank (of 191)	6
Life expectancy at birth	81.4
Median age	42
Maternal mortality ratio	4.0
(per 100,000 live births)	

National Blood Program

Blood program provision: Government blood banks
Donor recruitment - Danish Blood Donor Organisation

Coordination: Regionally - 5 regions that are each legally responsible for public health

Fixed blood collection centres: Unknown

Blood testing/processing centres: 5 blood centres (in public blood establishments)

National authority for blood program activities: Yes

Danish Patient Safety Authority

Technical standards for blood programs: Yes

Unknown

National haemovigilance program: Yes

Blood program funding: Unknown

% VNRBD: 100%

% Replacement donors: /

% Paid donors: /

% Other donor types: /

National blood demand met: Unknown

Plasma fractionation within the country: Yes

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities: No



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: Unknown

Overall picture of the NS blood program scale and scope of activities: Unknown



Estonia

Not verified (did not respond)

Level of RC/RC involvement: C

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Europe and Central Asia National Context

Population 1,344,768

GDP (USD) 38,101m

Human Development Very High

HDI 0.89

HDI rank (of 191) 31

Life expectancy at birth 77.1

Median age 43.7

Maternal mortality ratio 9.0
(per 100,000 live births)

National Blood Program

Blood program provision: Estonian Blood Transfusion Service
4 separate blood centres attached to large hospitals: North Estonia blood centre (Tallinn), Tartu University clinic blood centre, Parnu hospital blood centre Kohtla-Jarve blood centre

Coordination: Regional level

Fixed blood collection centres: Unknown

Blood testing/processing centres: 2

National authority for blood program activities: Yes

State Agency of Medicines under the Ministry of Social Affairs

Technical standards for blood programs: Yes

Unknown

National haemovigilance program: Yes

Blood program funding: Unknown

% VNRBD: 100%

% Replacement donors: /

% Paid donors: /

% Other donor types: /

National blood demand met: Unknown

Plasma fractionation within the country: Yes

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Details unknown



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: Details not provided



Finland

Level of RC/RC involvement: A1

% National VNRBD: 100%

NS proportion of national blood supply (%): 100%

Number of units collected by NS: 183,630



Europe and Central Asia National Context

Population 5,556,880

GDP (USD) 280,826m

Human Development Very High

HDI 0.94

HDI rank (of 191) 11

Life expectancy at birth 82

Median age 42.8

Maternal mortality ratio 3.0
(per 100,000 live births)

National Blood Program

Blood program provision: Finnish Red Cross

Coordination: National

Fixed blood collection centres: 10

Blood testing/processing centres: 1, Vantaa

National authority for blood program activities: Yes

Ministry of Social Affairs and Health - Finnish Medicines Agency (Fimea)

Technical standards for blood programs: Yes

The Blood Services Act (197/2005), The Blood Service Decree (258/2006), fimea Administrative regulation on blood service 2021, and other admin.regulations related to testing and equipment

National haemovigilance program: Yes

Blood program funding: Cost recovery

% VNRBD: 100%

% Replacement donors: /

% Paid donors: /

% Other donor types: /

National blood demand met: Yes

Plasma fractionation within the country: No

Common uses of blood: Cancer, surgery, trauma, obstetrics, paediatrics

Significant challenges: Sufficiency and size of blood donor pool, long-term retention of donors.

Relevant history / significant changes/impacts:

2022 FRCBS National centre (testing, production, support services) moved into the new facility in Vantaa.

FRCBS Mobile application for donors to be launched in 2023. Re-activation of plasmapheresis (source plasma) collections in 2024. FRCBS is celebrating its 75th year of operations this year.

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, printing and disseminating materials, involvement in World Blood Donor Day, Other: Collaboration w. RC branches, businesses, educational institutions, sports clubs/teams, and Defence Forces. Materials distributed mostly through e-media.



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Blood service
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 115,528 (2022)

Blood donor recruitment strategies: Yes

Outreach / mobiles, pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, businesses, radio / tv, social media

Donor retention strategies: Yes

Loyalty programs, personalised sms / email (thank you or reminder to donate)

Right: Finland Blood-donation -
Åbo svenska teatern 2022



National Society Activities



Blood collection and processing

Blood donor interview: Yes

Blood collection: Yes

- Proportion (%) of the overall national blood supply: 100%
- Number of fixed collection sites: 10
- Proportion (%) whole blood collections donated at fixed collection sites: 55%
- Total number of individual donors who made a whole blood and/or apheresis donation: 107,781. 115,528 is the total number of individuals who visited BS/registered for donation.
- Number of new donors: 18,807
- Number of repeat / regular donors: 96,721 (all individuals w. visit - individuals w. first time visit=repeat donors)
- Total number of collections: 183,630. 195,196 is the # of visits/registrations to donate.

Processing of blood into separate components: Yes

RBC, PLT, whole blood for transfusion, plasma (apheresis and recovered, granulocytes)

Pathogen reduction of any blood components: No

Blood screening tests: Yes

Post donation counselling of blood screening test results: Yes

- Number of whole blood collections: OK
- Number of plasmapheresis collections: 7
- Number of plateletpheresis collections: 2,217
- Number of red cell apheresis collections: 0
- Number of other collection types: 0
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 100%



Pre-transfusion testing

Distribution of blood to hospitals / clinics: Yes

Crossmatching / compatibility testing for transfusion: Yes

Transfusion of blood products: No

Right: FRCBS new facilities 2022



National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: Yes
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: No
- Cord blood banking: Yes
- Peripheral blood stem cells: Yes
- Bone marrow: Yes
- Solid organ transplants: Yes, tissue compatibility testing only
- Cornea: No
- Other biomedical: Yes
- Other: Biobanking, FRCBS Biobank <https://www.veripalvelu.fi/en/biobank/>



National Society background

Structure of your NS blood program activities:

- National
- Separate blood service

Relevant history for your NS blood program establishment:

2022 FRCBS National centre (testing, production, support services) moved into the new facility in Vantaa.
<https://www.veripalvelu.fi/en/hartela-completes-new-premises-for-the-blood-service-at-vehkala-in-vantaa/>

Overall picture of the NS blood program scale and scope of activities:

FRCBS Mobile application for donors to be launched in 2023. Re-activation of plasmapheresis (source plasma) collections in 2024. FRCBS is celebrating its 75th year of operations this year.



France

Level of RC/RC involvement: D

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Europe and Central Asia National Context

Population	67,935,660
GDP (USD)	2,782,905m
Human Development	Very High
HDI	0.903
HDI rank (of 191)	28
Life expectancy at birth	82.5
Median age	41.7
Maternal mortality ratio	8.0 (per 100,000 live births)

National Blood Program

Blood program provision: Ministry of Prevention and Health. EFS (French Blood Establishment) :

Coordination: <https://sante.gouv.fr/ministere/acteurs/agences-et-operateurs/article/efs-etablissement-francais-du-sang>
National

Fixed blood collection centres: 147

Blood testing/processing centres: 13

National authority for blood program activities: Yes

Agence Française de Sécurité du Médicament et des Produits de Santé (ANSM)

Technical standards for blood programs: Yes

<https://sante.gouv.fr/ministere/acteurs/agences-et-operateurs/article/efs-etablissement-francais-du-sang>

National haemovigilance program: Yes

Blood program funding: The program is financed through the national health insurance financing system. Access is free.

% VNRBD: 100%

% Replacement donors: 0%

% Paid donors: 0%

% Other donor types: 0%

National blood demand met: Yes

Plasma fractionation within the country: Yes

Common uses of blood: Oncology (52%), Blood diseases (21%), Surgery (24%),

Significant challenges: Not provided

Relevant history / significant changes/impacts: No

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities: No



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: None

Overall picture of the NS blood program scale and scope of activities: The French Red Cross is not involved in these activities, they are carried out by the EFS (French Blood Establishment)

*activities are undertaken in a Red Cross hospital



Georgia

Europe and Central Asia National Context

Level of RC/RC involvement: **B**

% National VNRBD: 37%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population	3,712,502
GDP (USD)	24,605m
Human Development	Very High
HDI	0.802
HDI rank (of 191)	63
Life expectancy at birth	71.7
Median age	38.6
Maternal mortality ratio	25.0
(per 100,000 live births)	

National Blood Program

Blood program provision:

- Overall responsibility - MoH
- Coordinator for the state program - NCDC
- Implementators - licensed blood banks (22 banks)

Coordination: National

Fixed blood collection centres: 22

Blood testing/processing centres: among 22, at least 5-6

National authority for blood program activities:	Yes	Ministry of Health - Georgian National Centre for Disease Control and Public Health (NCDC)
Technical standards for blood programs:	Yes	December 15, 2022, the Parliament of Georgia adopted the law "On the quality and safety of human blood and its components." The law provides for the creation of a new, transparent, non-commercial, selfless, centralized blood safety system, in accordance with the obligations defined by the association agreement and the requirements of European directives. All blood banks across the country are involved in centralized NAT (nucleic acid testing) research, which is the highest standard of blood infection control.
National haemovigilance program:	Yes	

Blood program funding: MoH budget

% VNRBD: 37%

% Replacement donors: 22%

% Paid donors: 22%

% Other donor types:

National blood demand met: Yes

Plasma fractionation within the country: Yes

Common uses of blood: Trauma, cancer, maternal/child health

Significant challenges: Sustainable funding, infection control, poor population interested in paid blood donation

Relevant history / significant changes/impacts:

The new law on blood and blood components will serve to create stable guarantees of access to safe blood and blood products for the population. The reform is complex and will be implemented step by step, and from July 1, 2025, the country will fully switch to the principle of selfless donation, therefore, blood donation in Georgia, like in most countries, will be based on the principles of voluntariness, selflessness, and anonymity.

National Society Activities

Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, printing and disseminating materials, involvement in World Blood Donor Day, Other: Educational-informational sessions for potential donors - mainly youngsters

Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: National Society
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: Mobilised potential donors - 864; blood donations - 246

Blood donor recruitment strategies: Yes

Outreach / mobiles, pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, businesses, radio / tv, social media

Donor retention strategies: Yes

Other: Educational-informational sessions for potential donors - mainly youngsters. Other / comment (if required): The program is maintaining on voluntary basis, without any funding, so just involvement in the NS youth activities, educational sessions are considered as tolls for the blood donors motivation



National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

In 2009-2015 the program was first established with financial and technical support of the Norwegian RC. Since 2016 we maintain respective activities without any financial support.

Overall picture of the NS blood program scale and scope of activities:

Not provided





Germany

Not verified (did not respond)

Level of RC/RC involvement: A1

% National VNRBD: Unknown

NS proportion of national blood supply (%): 71%

Number of units collected by NS: Unknown



Europe and Central Asia National Context

Population	84,079,811
GDP (USD)	4,072,192m
Human Development	Very High
HDI	0.842
HDI rank (of 191)	9
Life expectancy at birth	80.6
Median age	47.8
Maternal mortality ratio	7.0 (per 100,000 live births)

National Blood Program

Blood program provision:

- German Red Cross Blood Transfusion Services
- Government run blood establishments (university or municipal hospitals) and military program
- Commercial blood centres

Coordination: Regional / district level

Fixed blood collection centres: Unknown

Blood testing/processing centres: Unknown

National authority for blood program activities: Yes

Paul Ehrlich Institute; German Medical Association; Robert Koch Institute; National Advisory Committee on Blood

Technical standards for blood programs: Yes

German Drug Law; Transfusion Act of 1998

National haemovigilance program: Yes

Blood program funding: Unknown

% VNRBD: Unknown

% Replacement donors: Unknown

% Paid donors: Unknown

% Other donor types: Unknown

National blood demand met: Unknown

Plasma fractionation within the country: Yes

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Unknown



Donor recruitment and retention

Provision of pre and post donation care information to donors: **Yes**

Blood donor recruitment and retention: **Yes**

- Strategy for blood donor recruitment and retention planning: Unknown
- Donor recruitment and retention activity funding: Blood Service

- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: Unknown

Blood donor recruitment strategies: **Yes**

Schools / university engagement, Targeting businesses

Donor retention strategies: **Yes**

Unknown

National Society Activities



Blood collection and processing

Blood donor interview: Yes

Blood collection: Yes

- Proportion (%) of the overall national blood supply: 71% (2014)
- Number of fixed collection sites: Unknown
- Proportion (%) whole blood collections donated at fixed collection sites: Unknown
- Total number of individual donors who made a whole blood and/or apheresis donation: Unknown
- Number of new donors: Unknown
- Number of repeat / regular donors: Unknown
- Total number of collections: Unknown
- Number of whole blood collections: 3.15 million (2014)
- Number of plasmapheresis collections: Unknown
- Number of plateletpheresis collections: Unknown
- Number of red cell apheresis collections: Unknown
- Number of other collection types: Unknown
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 100%

Processing of blood into separate components: Yes

Unknown

Pathogen reduction of any blood components: Unknown

Blood screening tests: Yes

Post donation counselling of blood screening test results: Unknown



Pre-transfusion testing

Distribution of blood to hospitals / clinics: Yes

Crossmatching / compatibility testing for transfusion: Yes

Transfusion of blood products: Yes

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: Yes
- Operate a fractionation facility to manufacture plasma derived medicinal products: Unknown

Other activities:

- Therapeutic collection of whole blood / plasma: Unknown
- Cord blood banking: Yes
- Peripheral blood stem cells: Yes
- Bone marrow: Yes
- Solid organ transplants: Yes
- Cornea: Yes
- Other biomedical: Unknown
- Other: Unknown



National Society background

Structure of your NS blood program activities:

- Decentralised
- Unknown

Relevant history for your NS blood program establishment: Unknown

Overall picture of the NS blood program scale and scope of activities:

German Red Cross has 6 blood transfusion services including 28 donation centres and institutes. Some of these offer plasmapheresis



Greece

Europe and Central Asia National Context

Level of RC/RC involvement: **B**

% National VNRBD: 75.8%

NS proportion of national blood supply (%): Unknown

Number of units collected by NS: N/A



Population	10,566,531
GDP (USD)	219,066m
Human Development	Very High
HDI	0.887
HDI rank (of 191)	33
Life expectancy at birth	80.1
Median age	45.3
Maternal mortality ratio	3.0
(per 100,000 live births)	

National Blood Program

Blood program provision: Hellenic National Blood Transfusion Centre

Coordination: National and regional

Fixed blood collection centres: 97 hospital blood banks that perform blood collection

Blood testing/processing centres: 97 hospital blood banks perform blood grouping and serology testing, 4 perform NAT testing (1 is in EKEA, 3 in hospital blood banks)

National authority for blood program activities: Yes

<https://blooddonorregistry.gr/>

Technical standards for blood programs: Yes

<https://eody.gov.gr/wp-content/uploads/2019/01/KEELPNO-BOOKLET.pdf>

National haemovigilance program: Yes

Blood program funding: Not provided

% VNRBD: 75.8%

% Replacement donors: 24.2%

% Paid donors: 24.2%

% Other donor types: 0

National blood demand met: Not provided

Plasma fractionation within the country: Yes

Common uses of blood: Surgery, traffic accident, oncological, lefhemia, infections, cancer, trauma, cardiac surgery, bleeding, mediterenian anaimia, vascular surgery, orthopedic, gynecological.

Significant challenges: Disasters and changes in blood donors, especially to those who donate blood more than once

453

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, Printing and disseminating materials, Involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- | | |
|---|---|
| • Strategy for blood donor recruitment and retention planning: Yes | • Paid positions (staff) for donor recruitment and retention: Yes |
| • Donor recruitment and retention activity funding: Private organisations, Partners | • Number of donors recruited / registered to donate by the NS: 277 registered volunteers of the HRC |

Blood donor recruitment strategies:

Pre-donation education talks / seminars, Volunteer engagement, Schools / university engagement, Targeting youth, Radio / tv, Social media

Donor retention strategies:

Loyalty programs / gifts, Personalised sms / email (thank you or reminder to donate), Booking service when donating, Other: Mobilization of voluntary blood donors and information & provision of free medical examinations at the hospitals. The HRC provide souvenirs of the blood donors

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

The Hellenic Red Cross established the first blood donation service in our country in 1935.

The Hellenic Red Cross organizes, coordinates and supports the Voluntary Blood Donations with staff and volunteers, both in Athens and in its regional departments and especially during the Covid-19 era, observing a specific health protocol.

Overall picture of the NS blood program scale and scope of activities:

HRC provided Athens and regional departments 470 services to 470 people covered in blood



Hungary

Level of RC/RC involvement: A2

% National VNRBD: 100

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Europe and Central Asia National Context

Population	9,683,505
GDP (USD)	178,789m
Human Development	Very High
HDI	0.846
HDI rank (of 191)	46
Life expectancy at birth	74.5
Median age	43.6
Maternal mortality ratio	12.0 (per 100,000 live births)

National Blood Program

Blood program provision: Hungarian National Blood Transfusion Service (OVSz)

Coordination: National

Fixed blood collection centres: 5

Blood testing/processing centres: 1

National authority for blood program activities: No

Technical standards for blood programs: Yes

Hungarian National Blood Transfusion Service

National haemovigilance program: Yes

Blood program funding: The NS works with the National Blood Donation Service (funded by the Government) on a contractual basis

% VNRBD: 100

% Replacement donors: 0

% Paid donors: 0

% Other donor types: 0

National blood demand met: Yes

Plasma fractionation within the country: No

Common uses of blood: Transfusion therapy in cancer

Significant challenges: Yes, in the population is dominant the older generation

Relevant history / significant changes/impacts: Important the student program at universities, or government-based institutes

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, Printing and disseminating materials, Involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: No
- Donor recruitment and retention activity funding: Blood service, NS, Government, Private organisations, Partners
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 312,000 (2022)

Blood donor recruitment strategies: Yes

Outreach / mobiles, Pre-donation education talks / seminars, Volunteer engagement, Schools / university engagement, Targeting youth, businesses, Radio / TV, Social media

Donor retention strategies: Yes

Details not provided

National Society Activities

**Blood collection and processing****Blood donor interview:** Yes**Blood collection:** No

- Proportion (%) of the overall national blood supply: N/A
- Number of fixed collection sites: N/A
- Proportion (%) whole blood collections donated at fixed collection sites: N/A
- Total number of individual donors who made a whole blood and/or apheresis donation: N/A
- Number of new donors: N/A
- Number of repeat / regular donors: N/A
- Total number of collections: N/A
- Number of whole blood collections: N/A
- Number of plasmapheresis collections: N/A
- Number of plateletpheresis collections: N/A
- Number of red cell apheresis collections: N/A
- Number of other collection types: N/A
- Percentage (%) voluntary non-remunerated blood donors for all collection types: N/A

Processing of blood into separate components: No**Pathogen reduction of any blood components:** No**Blood screening tests:** No**Post donation counselling of blood screening test results:** No**Pre-transfusion testing****Distribution of blood to hospitals / clinics:** No**Crossmatching / compatibility testing for transfusion:** No**Transfusion of blood products:** No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: No
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: No



National Society background

Structure of your NS blood program activities:

- National
- Not provided

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided



Iceland

Level of RC/RC involvement: D

% National VNRBD: 100

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Europe and Central Asia National Context

Population	381,900
GDP (USD)	27,842m
Human Development	Very High
HDI	0.959
HDI rank (of 191)	3
Life expectancy at birth	82.7
Median age	37.1
Maternal mortality ratio	4.0
(per 100,000 live births)	

National Blood Program

Blood program provision: Icelandic Blood Bank
Landspítali (sjá lög um heilbrigðisþjónustu 40/2007, grein 20. Kemur fram á blodbankinn.is)

Coordination: National

Fixed blood collection centres: The Blood bank (part of Landspítali).
One center with 2 fixed sites
(Snorrabraut and Glerártorg).

Blood testing/processing centres: The Blood bank (part of Landspítali).

National authority for blood program activities: Yes
Lyfjastofnun/Icelandic medicines agency

Technical standards for blood programs: Yes
www.reglugerd.is/reglugerdir/allar/nr/441-2006

National haemovigilance program: Yes

Blood program funding: Part of service provided by the Blood bank

% VNRBD: 100 % Replacement donors: % Paid donors: % Other donor types:

National blood demand met: Yes Plasma fractionation within the country: No

Common uses of blood: Cancer, maternal/child health, trauma, elective surgery

Significant challenges: No

Relevant history / significant changes/impacts: No

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities: No



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: No

Overall picture of the NS blood program scale and scope of activities: No



Ireland

Level of RC/RC involvement: D

% National VNRBD: /

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Europe and Central Asia National Context

Population 5,086,988

GDP (USD) 529,245m

Human Development Very High

HDI 0.945

HDI rank (of 191) 8

Life expectancy at birth 82

Median age 37.8

Maternal mortality ratio 5.0
(per 100,000 live births)

National Blood Program

Blood program provision: Irish Blood Transfusion Service (IBTS)

Coordination: National

Fixed blood collection centres: 7

Blood testing/processing centres: 3

National authority for blood program activities: Yes

Health Products Regulatory Authority

Technical standards for blood programs: Yes

https://www.giveblood.ie/media/publications/other_documents/guidelines_for_the_administration_of_blood_and_blood_components.pdf

National haemovigilance program: Yes

Blood program funding: Department of Health

% VNRBD: / % Replacement donors: / % Paid donors: / % Other donor types: /

National blood demand met: /

Plasma fractionation within the country: /

Common uses of blood: Cancer & Severe bleeding

Significant challenges: /

Relevant history / significant changes/impacts: /

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities: No



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: No

Overall picture of the NS blood program scale and scope of activities: No



Israel

Not verified (did not respond)

Level of RC/RC involvement: A1

% National VNRBD: 100%

NS proportion of national blood supply (%): 100%

Number of units collected by NS: 290,000



Europe and Central Asia National Context

Population 9,550,600

GDP (USD) 522,033m

Human Development Very High

HDI 0.919

HDI rank (of 191) 22

Life expectancy at birth 82.3

Median age 30.4

Maternal mortality ratio 3.0
(per 100,000 live births)

National Blood Program

Blood program provision: Israeli National Blood Services - Magen David Adom (Israeli Red Cross)

Coordination: National

Fixed blood collection centres: Unknown

Blood testing/processing centres: Unknown

National authority for blood program activities: No N/A

Technical standards for blood programs: Yes Unknown

National haemovigilance program: No

Blood program funding: Unknown

% VNRBD: 100% % Replacement donors: / % Paid donors: / % Other donor types: /

National blood demand met: Unknown Plasma fractionation within the country: Yes

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Unknown



Donor recruitment and retention

Provision of pre and post donation care information to donors: **Yes**

Blood donor recruitment and retention: **Yes**

- Strategy for blood donor recruitment and retention planning: Unknown
- Donor recruitment and retention activity funding: Blood Service

- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: Unknown

Blood donor recruitment strategies: **Yes**

School/university programs, corporate programs

Donor retention strategies: **Yes**

Unknown

National Society Activities



Blood collection and processing

Blood donor interview: Yes

Blood collection: Yes

- Proportion (%) of the overall national blood supply: 100%
- Number of fixed collection sites: Unknown
- Proportion (%) whole blood collections donated at fixed collection sites:
10% of all blood units are collected at fixed sites
- Total number of individual donors who made a whole blood and/or apheresis donation: Unknown
- Number of new donors: Unknown
- Number of repeat / regular donors: Unknown
- Total number of collections: 290,000
- Number of whole blood collections: Unknown
- Number of plasmapheresis collections: Unknown
- Number of plateletpheresis collections: Unknown
- Number of red cell apheresis collections: Unknown
- Number of other collection types: Unknown
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 100%

Processing of blood into separate components: Yes

Red blood cells, plasma, cryoprecipitate and platelets

Pathogen reduction of any blood components: Unknown

Blood screening tests: Yes

Post donation counselling of blood screening test results: Unknown



Pre-transfusion testing

Distribution of blood to hospitals / clinics: Yes

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: Yes

Other activities:

- Therapeutic collection of whole blood / plasma: Yes - involved in performing therapeutic plasma exchanges
- Cord blood banking: Yes - Israeli national public cord blood bank
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: Yes - National Human Milk Bank of Israel
- Other: Research and development - healing refractory wounds by macrophages



National Society background

Structure of your NS blood program activities:

- National
- Separate blood service

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities:

One of MDA priorities is to promote the project of constructing the new, more modern, safe and secure Blood Services Center. This great project became possible due to the support of MDA Friends Societies around the world. The new facility will guarantee the greatest possible protection to the blood processing and inventory storage, and will allow us to respond to the emerging needs of blood on a national level, both in times of peace as well as in man-made or natural national emergencies.



Europe and Central Asia National Context

Level of RC/RC involvement: A1

% National VNRBD: 99.60%

NS proportion of national blood supply (%): 1.2%

Number of units collected by NS: Unknown



Population	58,856,847
GDP (USD)	2,010,432m
Human Development	Very High
HDI	0.895
HDI rank (of 191)	30
Life expectancy at birth	82.9
Median age	46.5
Maternal mortality ratio	2.0 (per 100,000 live births)

National Blood Program

Blood program provision: National Blood Centre (Centro Nazionale Sangue)

Coordination: National and regional

Fixed blood collection centres: 2004

Blood testing/processing centres:

National authority for blood program activities: Yes

National Blood Centre (Centro Nazionale Sangue)

Technical standards for blood programs: Yes

Law 219/2005 and applicable regulations

National haemovigilance program: Yes

Blood program funding: Collection activities are financed by the Regional Health Services through reimbursement based on the amount of blood and blood components collected. Promotional activities are partly financed by the Regional Health Services, partly by private funds.

% VNRBD: 99.60%

% Replacement donors: 0%

% Paid donors: 0%

% Other donor types: 0.40% autologous

National blood demand met: Yes

Plasma fractionation within the country: Yes

Common uses of blood: N/A

Significant challenges: In recent years, we have witnessed a reduction in first-time donations, particularly from younger segments of the population, and an uneven application of promotion and collection strategies across regions.

Relevant history / significant changes/impacts: Law 219/2005 and the establishment of the National Blood Centre in 2007 were a turning point for the national blood transfusion system, which has since then started significant coordination and planning activities.

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, printing and disseminating materials, involvement in World Blood Donor Day, Other: gadgets and other promotional material



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: No
- Donor recruitment and retention activity funding: Blood Service, National Society, Partners
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: N/A

Blood donor recruitment strategies: Yes

Outreach / mobiles, volunteer engagement, schools / university engagement, targeting youth, radio / tv, social media

Donor retention strategies: Yes

N/A

National Society Activities

**Blood collection and processing****Blood donor interview:** Yes**Blood collection:** Yes

- Proportion (%) of the overall national blood supply: 1.20%
- Number of fixed collection sites: 4 fixed collection sites operated by ItRC Local Branches
- Proportion (%) whole blood collections donated at fixed collection sites: Not provided
- Total number of individual donors who made a whole blood and/or apheresis donation: Not provided
- Number of new donors: Not provided
- Number of repeat / regular donors: Not provided
- Total number of collections: Not provided
- Number of whole blood collections: Not provided
- Number of plasmapheresis collections: Not provided
- Number of plateletpheresis collections: Not provided
- Number of red cell apheresis collections: Not provided
- Number of other collection types: Not provided
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 100%

Processing of blood into separate components: Yes

Plasma

Pathogen reduction of any blood components: No**Blood screening tests:** Yes**Post donation counselling of blood screening test results:** Yes**Pre-transfusion testing****Distribution of blood to hospitals / clinics:** Yes**Crossmatching / compatibility testing for transfusion:** No**Transfusion of blood products:** No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: No
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: No



National Society background

Structure of your NS blood program activities:

- Decentralised
- Both separate blood service and hospital based blood centres

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Promotional activities are coordinated nationally, while collection activities are decentralised



Kazakhstan

Europe and Central Asia National Context

Level of RC/RC involvement: **B**

% National VNRBD: 75.8% (163,421 out of 215,695 in 2018)

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population	19,621,972
GDP (USD)	220,623m
Human Development	Very High
HDI	0.811
HDI rank (of 191)	56
Life expectancy at birth	69.4
Median age	31.6
Maternal mortality ratio	10.0
(per 100,000 live births)	

National Blood Program

Blood program provision: MoH, Scientific and Production Center of Blood Transfusion

Coordination: National and regional

Fixed blood collection centres: 18

Blood testing/processing centres: 18

National authority for blood program activities: Yes

Saniya Abdrakhmanova (<https://spct.kz/>)

Technical standards for blood programs: Yes

N/A

National haemovigilance program: /

Blood program funding: /

% VNRBD: 75.8% (2018)

% Replacement donors: 19.4% (2018)

% Paid donors: 19.4% (2018)

% Other donor types: /

National blood demand met: /

Plasma fractionation within the country: Yes

Common uses of blood: /

Significant challenges: /

Relevant history / significant changes/impacts: /

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, printing and disseminating materials, involvement in World Blood Donor Day, Other: Mobilization voluntary donors for blood donation



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: National Society, Private Organisations, Partners
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: 2,688

Blood donor recruitment strategies:

Outreach / mobiles, pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, businesses, radio / tv, social media

Donor retention strategies:

Loyalty programs

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

N/A

Overall picture of the NS blood program scale and scope of activities:

The National Interagency Program for Unpaid Voluntary Blood Donation Development in the Republic of Kazakhstan reports that the national donor performance does not correspond to the global one and the figure is average 17 donations per 1,000 people in Kazakhstan. The country still has a large amount off family/replacement blood donors who donate blood when it is needed for their family member or organization.

In general, blood donation and transfusion in Kazakhstan are exclusively the functions of government healthcare facilities, which include government-funded blood transfusion centers.

Given the importance of promoting unpaid voluntary blood donation in the country, the Red Crescent Society of the Republic of Kazakhstan (hereinafter referred to as the Society or the RCS RK) has been engaged in the renewal and development of the voluntary donation culture in Kazakhstan's population since 2014. During its activities, the Society has covered over 2 million people with outreach on the importance of voluntary blood donation and the safety of donation procedure and mobilized over 10,000 unpaid voluntary blood donors to donate blood, with over 50% of them being regular voluntary donors. It should be noted that all the activities of the RCS RK are in line with the Global Framework for Action of the WHO and International Federation of Red Cross and Red Crescent Societies "Towards 100% Voluntary Blood Donation".



Kyrgyzstan

Not verified (did not respond)

Level of RC/RC involvement: C

% National VNRBD: Unknown

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Europe and Central Asia National Context

Population 6,803,300

GDP (USD) 10,931m

Human Development Medium

HDI 0.692

HDI rank (of 191) 118

Life expectancy at birth 70

Median age 37.3

Maternal mortality ratio 60.0
(per 100,000 live births)

National Blood Program

Blood program provision: Republican Blood Center, Regional Blood Centers

Coordination: Unknown

Fixed blood collection centres: 6 standalone, 39 hospital based

Blood testing/processing centres: Unknown

National authority for blood program activities: Yes Unknown

Technical standards for blood programs: Yes Unknown

National haemovigilance program: Yes

Blood program funding: Unknown

% VNRBD: Unknown

% Replacement donors: Unknown

% Paid donors: Unknown

% Other donor types: Unknown

National blood demand met: Unknown

Plasma fractionation within the country: Unknown

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Details unknown



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: Details not provided



Latvia

Europe and Central Asia National Context

Level of RC/RC involvement: **B**

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population	1,883,379
GDP (USD)	41,154m
Human Development	Very High
HDI	0.863
HDI rank (of 191)	39
Life expectancy at birth	73.6
Median age	44.4
Maternal mortality ratio	19.0
(per 100,000 live births)	

National Blood Program

Blood program provision: State Blood Donor Centre

Coordination: Not provided

Fixed blood collection centres: 9

Blood testing/processing centres: Not provided

National authority for blood program activities: Not provided N/A

Technical standards for blood programs: Yes Details not provided

National haemovigilance program: Yes

Blood program funding: Government

% VNRBD: 100%

% Replacement donors: 0

% Paid donors: 0

% Other donor types: 0

National blood demand met: Yes

Plasma fractionation within the country: Yes

Common uses of blood: Not provided

Significant challenges: Not provided

Relevant history / significant changes/impacts:

Pregnant woman: 1- 3 times in a month young mothers need transfusion of erythrocytes. Once in 3 months new born baby needs a plasma transfusion; Extensive burns: After extensive and severe burn injuries one patient may need up to 65 blood doses; Car crash victims: Depending on the injury victims may need up to 20 blood doses; Operations: Abdominal surgery and hip replacement surgery require an average of 5 blood doses; Patients with blood cancer: Patients with blood cancer usually needs 1 to 3 blood doses per day.

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Other: Latvian RC is promoting BD movement in its homepage and social networks, such as FB and Instagram, for example informative visuals on BD, LatRC youth volunteers made videos on BD, please see those in BD website, link is provided further in this survey



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Government
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 5652

Blood donor recruitment strategies:

Details not provided

Donor retention strategies:

Other: LatRC ensures donors get appreciation gifts when donating blood

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Not provided

Overall picture of the NS blood program scale and scope of activities:

Not provided



Liechtenstein

Europe and Central Asia National Context

Level of RC/RC involvement: A2

% National VNRBD: Details not provided

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population	39,327
GDP (USD)	6,553m
Human Development	Very High
HDI	0.935
HDI rank (of 191)	16
Life expectancy at birth	83.3
Median age	43.7
Maternal mortality ratio / (per 100,000 live births)	

National Blood Program

Blood program provision: Details not provided

Coordination: Details not provided

Fixed blood collection centres: Details not provided

Blood testing/processing centres: Details not provided

National authority for blood program activities: Details not provided

Technical standards for blood programs: Details not provided

National haemovigilance program: Details not provided

Blood program funding: Details not provided

% VNRBD: Details not provided % Replacement donors: Details not provided % Paid donors: Details not provided % Other donor types: Details not provided

National blood demand met: Details not provided

Plasma fractionation within the country: Details not provided

Common uses of blood: Details not provided

Significant challenges: Details not provided

Relevant history / significant changes/impacts: Details not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Media



Donor recruitment and retention

Provision of pre and post donation care information to donors: **Yes**

Blood donor recruitment and retention: **Yes**

- Strategy for blood donor recruitment and retention planning: No
- Donor recruitment and retention activity funding: National Society, partners
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: Approximately 1,000

Blood donor recruitment strategies: **Yes**

Radio / TV, Social media

Donor retention strategies: **Yes**

Other: social media, reception at the castle, invitation at general assembly and present

National Society Activities

**Blood collection and processing****Blood donor interview:** Yes**Blood collection:** No

- Proportion (%) of the overall national blood supply: N/A
- Number of fixed collection sites: N/A
- Proportion (%) whole blood collections donated at fixed collection sites: N/A
- Total number of individual donors who made a whole blood and/or apheresis donation: N/A
- Number of new donors: N/A
- Number of repeat / regular donors: N/A
- Total number of collections: N/A
- Number of whole blood collections: N/A
- Number of plasmapheresis collections: N/A
- Number of plateletpheresis collections: N/A
- Number of red cell apheresis collections: N/A
- Number of other collection types: N/A
- Percentage (%) voluntary non-remunerated blood donors for all collection types: N/A

Processing of blood into separate components: No**Pathogen reduction of any blood components:** No**Blood screening tests:** No**Post donation counselling of blood screening test results:** No**Pre-transfusion testing****Distribution of blood to hospitals / clinics:** No**Crossmatching / compatibility testing for transfusion:** No**Transfusion of blood products:** No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: No
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: No



National Society background

Structure of your NS blood program activities:

- National
- Not provided

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided



Lithuania

Level of RC/RC involvement: B

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Europe and Central Asia National Context

Population 2,833,000

GDP (USD) 70,334m

Human Development Very High

HDI 0.875

HDI rank (of 191) 35

Life expectancy at birth 73.7

Median age 44.5

Maternal mortality ratio 8.0
(per 100,000 live births)

National Blood Program

Blood program provision: National Blood Centre

Coordination: National

Fixed blood collection centres: 3 National Blood Centre, plus 2 hospital based blood banks

Blood testing/processing centres: 3 National Blood Centre, plus 2 hospital based blood banks

National authority for blood program activities: Yes

Ministry of Health Protection

Technical standards for blood programs: Yes

<https://kraujodonoryste.lt/informacija-donorams/kaip-pasiruosti-donorystei/>
<https://tavokraujas.lt/>

National haemovigilance program: Not provided

Blood program funding: Ministry of Health, Lithuania

% VNRBD: 100%

% Replacement donors:

% Paid donors:

% Other donor types:

National blood demand met: Yes

Plasma fractionation within the country: Yes

Common uses of blood: Cancer, trauma, after accidents

Significant challenges: Activation of blood donors

Relevant history / significant changes/impacts: No

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities:

Media, involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: **No**

Blood donor recruitment and retention: **Yes**

- Strategy for blood donor recruitment and retention planning: No
- Donor recruitment and retention activity funding: National Society
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: Details not provided

Blood donor recruitment strategies:

Volunteer engagement, social media

Donor retention strategies:

Personalised SMS / email

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Our National Society itself has never had such a program, we do not take active actions. We occasionally help the National Blood Center, we talk about future cooperation.

Overall picture of the NS blood program scale and scope of activities:

No information provided



Luxembourg

Europe and Central Asia National Context

Level of RC/RC involvement: A1

% National VNRBD: 100%

NS proportion of national blood supply (%): 100%

Number of units collected by NS: 18,344



Population	650,774
GDP (USD)	82,275m
Human Development	Very High
HDI	0.93
HDI rank (of 191)	17
Life expectancy at birth	82.6
Median age	39.5
Maternal mortality ratio	5.0 (per 100,000 live births)

National Blood Program

Blood program provision: Ministry of Health, Luxembourg Red Cross

Coordination: National

Fixed blood collection centres: 2

Blood testing/processing centres: 1

National authority for blood program activities: Yes

Ministry of Health

Technical standards for blood programs: Yes

Details not provided

National haemovigilance program: Yes

Blood program funding: 84% Cost recovery, 16% Government

% VNRBD: 100%

% Replacement donors: /

% Paid donors: /

% Other donor types: 1 / 21,058 donations

National blood demand met: Yes

Plasma fractionation within the country: No

Common uses of blood: Not provided

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, printing and disseminating materials, involvement in World Blood Donor Day, Other:
Social networks



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Blood Service
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 2,180

Blood donor recruitment strategies: Yes

Pre-donation education talks / seminars, volunteer engagement, schools / university engagement, businesses, radio / tv, social media

Donor retention strategies: Yes

Donor clubs, reservation service during a donation, Other: Presentation of medals by HRH the Grand Duchess of Luxembourg

National Society Activities

**Blood collection and processing****Blood donor interview:** Yes**Blood collection:** Yes

- Proportion (%) of the overall national blood supply: 100%
- Number of fixed collection sites: 2 fixed sites and 10 external collection sites
- 16 companies in which we were also sampled
- Proportion (%) whole blood collections donated at fixed collection sites: 80%
- Total number of individual donors who made a whole blood and/or apheresis donation: 3,788 (whole blood and apheresis donors combined)
- Number of new donors: 2,075 registered including 1,511 who made their first donation
- Number of repeat / regular donors: 6,209 (whole blood and apheresis donors combined)
- Total number of collections: 499 whole blood collections + 251 apheresis collections
- Number of whole blood collections: 18,093
- Number of plasmapheresis collections: 251
- Number of plateletpheresis collections: 209
- Number of red cell apheresis collections: N/A
- Number of other collection types: 0
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 100%

Processing of blood into separate components: Yes

RBC, platelet pool, plasma, deplasmatised RBC, deplasmatised platelet pool, apheresis platelet concentrate, RBC in pediatric preparation

Pathogen reduction of any blood components: Yes**Blood screening tests:** Yes**Post donation counselling of blood screening test results:** Yes**Pre-transfusion testing****Distribution of blood to hospitals / clinics:** Yes**Crossmatching / compatibility testing for transfusion:** Yes**Transfusion of blood products:** No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: Yes
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: No
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: No



National Society background

Structure of your NS blood program activities:

- National
- Both separate blood service and hospital based blood centres

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided



Malta

Not verified (did not respond)

Level of RC/RC involvement: C

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Europe and Central Asia National Context

Population	523,417
GDP (USD)	17,765m
Human Development	Very High
HDI	0.918
HDI rank (of 191)	23
Life expectancy at birth	83.8
Median age	42.3
Maternal mortality ratio	6.0
(per 100,000 live births)	

National Blood Program

Blood program provision: National Blood Transfusion Service

Coordination: National

Fixed blood collection centres: 2

Blood testing/processing centres: 1

National authority for blood program activities: Yes Unknown

Technical standards for blood programs: Yes Unknown

National haemovigilance program: Yes

Blood program funding: Government

% VNRBD: 100% % Replacement donors: / % Paid donors: / % Other donor types: /

National blood demand met: Unknown Plasma fractionation within the country: Unknown

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Details unknown



Donor recruitment and retention

Provision of pre and post donation care information to donors: **No**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: Details not provided



Moldova, Republic of

Level of RC/RC involvement: C

% National VNRBD: 93.87%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population	114,164
GDP (USD)	14,421m
Human Development	High
HDI	0.767
HDI rank (of 191)	80
Life expectancy at birth	68.8
Median age	37.7
Maternal mortality ratio	19.0 (per 100,000 live births)

National Blood Program

Blood program provision: National Blood Transfusion Centre (CENTRUL NAȚIONAL DE TRANSFUZIE A SÂNGELUI)

Coordination: Mainly National level with some roles from the regional authorities

Fixed blood collection centres: 17 (1 National Blood Transfusion Centre plus 16 Hospital-based centres)

Blood testing/processing centres: 1 - National Blood Transfusion Center

National authority for blood program activities: Yes

National Blood Transfusion Centre (CENTRUL NAȚIONAL DE TRANSFUZIE A SÂNGELUI)

Technical standards for blood programs: Yes

<https://cnts.md/en>

National haemovigilance program: Yes

Blood program funding: Fully funded from the state budget

% VNRBD: 93.87%

% Replacement donors: 5.96%

% Paid donors: 5.96%

% Other donor types: N/A

National blood demand met: Yes

Plasma fractionation within the country: Yes

Common uses of blood: N/A

Significant challenges: Oversuse of plazma compare to European standarts; low return of voluntary blood donors

Relevant history / significant changes/impacts: N/A

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Mainly dissemination of awareness materials and recruitment of blood donors (for the moment at limited scale but there are plans for scaling the engagement)



Donor recruitment and retention

Provision of pre and post donation care information to donors: **No**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: There are plans for development and scale up in the area of recruitment of donors with the support of Movement partners. Moldova RC is mentioned in the Moldova National Strategy on blood donation 2023-2026 as a support for donors' recruitment.



Monaco

Europe and Central Asia National Context

Level of RC/RC involvement: **B**

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population	36,469
GDP (USD)	8,596m
Human Development	/
HDI	/
HDI rank (of 191)	/
Life expectancy at birth	85.9
Median age	/
Maternal mortality ratio	/
(per 100,000 live births)	

National Blood Program

Blood program provision: Centre Hospitalier Princesse Grace

Coordination: National

Fixed blood collection centres: 1

Blood testing/processing centres: 1

National authority for blood program activities: Yes

Direction de l'Action sanitaire

Technical standards for blood programs: Yes

Bonnes pratiques transfusionnelles

National haemovigilance program: Yes

Blood program funding: Gouvernement / Centre hospitalier Princesse Grâce

% VNRBD: 100%

% Replacement donors: /

% Paid donors: /

% Other donor types: /

National blood demand met: No

Plasma fractionation within the country: No

Common uses of blood: Oncology then hemorrhages

Significant challenges: Self-sufficiency in labile blood products

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, printing and disseminating materials, involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Blood Service, National Society, Government
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 1,322 donors welcomed in 2022 at the transfusion center, with 1,975 bags collected

Blood donor recruitment strategies:

Pre-donation talks/seminars, radio/tv, social media

Donor retention strategies:

Presentation of medals according to the number of donations made

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

N/A

Overall picture of the NS blood program scale and scope of activities:

The Red Cross of Monaco is not directly involved in blood activities; however they do have a separate organisation, linked to the Red Cross which deals with donor motivation. The Blood Donors Friendly Society, an association of the Monaco Red Cross with 1600 members:

- promotes anonymous, volunteer and non-renumerated blood donation
- maintains donor relationships
- represents donors before authorities and administration

<https://www.croix-rouge.mc/en/what-we-do/associations/blood-donors-friendly-society/>



Montenegro

Europe and Central Asia National Context

Level of RC/RC involvement: **B**

% National VNRBD: 38%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population	616,159
GDP (USD)	6,096m
Human Development	Very High
HDI	0.832
HDI rank (of 191)	49
Life expectancy at birth	76.3
Median age	39.6
Maternal mortality ratio	6.0 (per 100,000 live births)

National Blood Program

Blood program provision: Institute for Blood Transfusion of Montenegro

Coordination: National

Fixed blood collection centres: 8

Blood testing/processing centres: 1

National authority for blood program activities: Yes

Institute for Blood Transfusion of Montenegro

Technical standards for blood programs: Yes

Law on providing blood / Rulebook on close conditions regarding the quality and safety of blood/
Rulebook on close conditions for storage, transport and distribution of blood and blood components/
Rulebook on close conditions in terms of space, personnel and equipment in ZTKCG/ Rulebook on the
approximate content of informational material, consent form for donating blood and questionnaire for
donating blood/Regulations on the scope of the medical examination and criteria for eligible donors/
Rulebook on the marking system, record keeping and monitoring of blood units and components

National haemovigilance program: Yes

Blood program funding: Government

% VNRBD: 38%

% Replacement donors: 62%

% Paid donors: 62%

% Other donor types: /

National blood demand met: Yes

Plasma fractionation within the country: No

Common uses of blood: Cancer, trauma and surgery patients

Significant challenges: At the moment No

Relevant history / significant changes/impacts: Covid 19 pandemic

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, printing and disseminating materials, involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Not provided

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Not provided
- Donor recruitment and retention activity funding: National Society
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: no data available

Blood donor recruitment strategies:

Pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, businesses, radio / tv, social media

Donor retention strategies:

Donor clubs, booking service

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Not provided

Overall picture of the NS blood program scale and scope of activities:

Not provided



Netherlands

Not verified (did not respond)

Level of RC/RC involvement: D

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Europe and Central Asia National Context

Population	17,703,090
GDP (USD)	991,115m
Human Development	Very High
HDI	0.941
HDI rank (of 191)	10
Life expectancy at birth	81.7
Median age	42.8
Maternal mortality ratio	5.0 (per 100,000 live births)

National Blood Program

Blood program provision: Sanquin Blood Supply Foundation (not for profit)

Coordination: National

Fixed blood collection centres: Unknown

Blood testing/processing centres: Unknown

National authority for blood program activities: Yes Unknown

Technical standards for blood programs: Yes Unknown

National haemovigilance program: Yes

Blood program funding: Unknown

% VNRBD: 100% % Replacement donors: / % Paid donors: / % Other donor types: /

National blood demand met: Unknown Plasma fractionation within the country: Yes

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities: No



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: Unknown

Overall picture of the NS blood program scale and scope of activities: Unknown



North Macedonia, The Republic of

Level of RC/RC involvement: B

% National VNRBD: 10%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population	2,057,679
GDP (USD)	15,672m
Human Development	High
HDI	0.77
HDI rank (of 191)	78
Life expectancy at birth	73.8
Median age	39
Maternal mortality ratio / (per 100,000 live births)	

National Blood Program

Blood program provision: Institute for Transfusion Medicine of RNM

Coordination: National, regional

Fixed blood collection centres: 4 regional centres and 19 transfusion services

Blood testing/processing centres: Not provided

National authority for blood program activities: Yes Ministry of Health

Technical standards for blood programs: Yes Not provided

National haemovigilance program: Yes

Blood program funding: Ministry of Health

% VNRBD: 10%

% Replacement donors: /

% Paid donors: /

% Other donor types: /

National blood demand met: Yes

Plasma fractionation within the country: Yes

Common uses of blood: For patients needs within the health system

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, printing and disseminating materials, involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: National Society
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 5,683

Blood donor recruitment strategies:

Outreach / mobiles, pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, businesses, radio / tv, social media

Donor retention strategies:

Donor clubs, personalised email/ sms

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Not provided

Overall picture of the NS blood program scale and scope of activities:

The blood donation is 100% on voluntary basis.



Norway

Europe and Central Asia National Context

Level of RC/RC involvement: **B**

% National VNRBD: 100% (174,454 in 2018)

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population	5,457,127
GDP (USD)	579,267m
Human Development	Very High
HDI	0.961
HDI rank (of 191)	2
Life expectancy at birth	83.2
Median age	39.5
Maternal mortality ratio	2.0
(per 100,000 live births)	

National Blood Program

Blood program provision: All blood banks are integrated to hospitals and owned by regional health trusts.

Coordination: National

Fixed blood collection centres: 50 blood centres. 75% of blood is collected by 14 blood banks.
Plasma is provided by the 14 larger blood banks.

Blood testing/processing centres: Unknown

National authority for blood program activities: Yes MoH

Technical standards for blood programs: Yes Helsedirektoratet

National haemovigilance program: Yes

Blood program funding: Norwegian Directorate of Health

% VNRBD: 100% (174,454 in 2018) % Replacement donors: / % Paid donors: / % Other donor types: /

National blood demand met: There is a need for more blood Plasma fractionation within the country: Unknown

Common uses of blood: Cancer (40 %)

Significant challenges: The pandemic made it challenging donating blood due to quarantine

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Printing and disseminating materials, media, information on a website, involvement in World Blood Donor Day, creative youth campaign for high school students



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: Yes

- | | |
|--|--|
| • Strategy for blood donor recruitment and retention planning: Yes | • Paid positions (staff) for donor recruitment and retention: Yes - one manager |
| • Donor recruitment and retention activity funding: National Society (20%), government funding (80%) | • Number of donors recruited / registered to donate by the NS: 32 853 potentially recruited donors by the NS |

Blood donor recruitment strategies:

Social media, internet, information on a website, youth engagement, outreach/mobiles

Donor retention strategies:

Social media awareness campaigns on the 14th of June, international blood donation day. Expressing appreciation toward existing blood donors

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

No

Overall picture of the NS blood program scale and scope of activities:

It is the hospital who work with donations, and the NS is working with dissemination and recruitment of new blood donors



Poland

Not verified (did not respond)

Level of RC/RC involvement: B

% National VNRBD: 96% (1,172,572 - 2018)

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Europe and Central Asia National Context

Population 37,561,599

GDP (USD) 688,177m

Human Development Very High

HDI 0.876

HDI rank (of 191) 34

Life expectancy at birth 76.5

Median age 41.9

Maternal mortality ratio 2.0
(per 100,000 live births)

National Blood Program

Blood program provision: National Blood Centre (supervised by Ministry of Health)

Coordination: Unknown

Fixed blood collection centres: Unknown

Blood testing/processing centres: 23 standalone (21 x regional, 1 military, 1 x Ministry of Internal Affairs)

National authority for blood program activities: Yes

The activity of Polish blood transfusion service (BTS) is regulated by the Public Blood Transfusion Service Act of August 22, 1997

Technical standards for blood programs: Yes

Unknown

National haemovigilance program: Yes

Blood program funding: Unknown

% VNRBD: 96% (1,172,572 - 2018) % Replacement donors: 4% (50,180 - 2018) % Paid donors: 4% (50,180 - 2018) % Other donor types: /

National blood demand met: Unknown

Plasma fractionation within the country: Unknown

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Unknown

Community awareness activities:

Unknown



Donor recruitment and retention

Provision of pre and post donation care information to donors: Unknown

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Unknown
- Donor recruitment and retention activity funding: National Society and private organisations
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: Unknown

Blood donor recruitment strategies:

Corporate programs

Donor retention strategies:

Unknown

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Unknown

Overall picture of the NS blood program scale and scope of activities:

Unknown



Portugal

Level of RC/RC involvement: D

% National VNRBD: 99.98%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Europe and Central Asia National Context

Population 10,379,007

GDP (USD) 251,945m

Human Development Very High

HDI 0.866

HDI rank (of 191) 38

Life expectancy at birth 81

Median age 44.6

Maternal mortality ratio 8.0
(per 100,000 live births)

National Blood Program

Blood program provision: Public health institution: Portuguese Institute of Blood and Transplantation (IPST), Laura Ayres Laboratory (public), public and private hospitals

Coordination: National

Fixed blood collection centres: 30

Blood testing/processing centres: 21

National authority for blood program activities: Yes

Portuguese Institute of Blood and Transplantation (IPST)

Technical standards for blood programs: Yes

Portuguese Institute of Blood and Transplantation (IPST) and General Directorate of Health (DGS)

National haemovigilance program: Yes

Blood program funding: Government - IPST

% VNRBD: 99.98%

% Replacement donors: 0

% Paid donors: 0

% Other donor types: 0.02%

National blood demand met: Yes

Plasma fractionation within the country: No

Common uses of blood: Emergency department, cancer and surgery

Significant challenges: N/A

Relevant history / significant changes/impacts: N/A

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities: No



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided



Romania

Not verified (did not respond)

Level of RC/RC involvement: C

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Europe and Central Asia National Context

Population 18,956,666

GDP (USD) 301,262m

Human Development Very High

HDI 0.821

HDI rank (of 191) 53

Life expectancy at birth 74.2

Median age 42.5

Maternal mortality ratio 19.0
(per 100,000 live births)

National Blood Program

Blood program provision: National Institute of Blood Transfusion (Ministry of Health)
Public military blood establishment (Ministry of Defence) in Bucharest

Coordination: At a national level

Fixed blood collection centres: Unknown

Blood testing/processing centres: 42 (a blood transfusion centre in each county / district).
National Institute of Blood Transfusion coordinates

National authority for blood program activities: Yes Ministry of Health

Technical standards for blood programs: Yes Unknown

National haemovigilance program: Yes

Blood program funding: Government

% VNRBD: 100% % Replacement donors: / % Paid donors: / % Other donor types: /

National blood demand met: No Plasma fractionation within the country: No

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Public awareness campaigns - importance of voluntary and unpaid blood donation and health lifestyles



Donor recruitment and retention

Provision of pre and post donation care information to donors: **No**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: Details not provided



Russian Federation

Europe and Central Asia National Context

Level of RC/RC involvement: **B**

% National VNRBD: 92%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population	143,555,736
GDP (USD)	2,240,422m
Human Development	Very High
HDI	0.822
HDI rank (of 191)	52
Life expectancy at birth	69.4
Median age	40.3
Maternal mortality ratio (per 100,000 live births)	17.0

National Blood Program

Blood program provision: Federal Medical-Biological Agency of Russia

Coordination: National

Fixed blood collection centres: 448

Blood testing/processing centres: Not provided

National authority for blood program activities: Yes

Federal Medical-Biological Agency of Russia

Technical standards for blood programs: Yes

1. Collection information materials for organizers of the donor movement
2. Guideline "Recruiting blood donors"

National haemovigilance program: Yes

Blood program funding: Government

% VNRBD: 92%

% Replacement donors: /

% Paid donors: /

% Other donor types: /

National blood demand met: Yes

Plasma fractionation within the country: Yes

Common uses of blood: Cancer, trauma

Significant challenges: No

Relevant history / significant changes/impacts: No

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, printing and disseminating materials, involvement in World Blood Donor Day, Other: The All-Russian event is timed to coincide with the World Blood Donor Day, The All-Russian event is timed to coincide with the World Marrow Donor Day, Public awareness campaign.



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: National Society, Government
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 14,293

Blood donor recruitment strategies:

Pre-donation education talks / seminars, volunteer engagement, schools / university engagement, radio / tv, social media, Other: 1. Conference on improving donation promotion mechanisms for representatives of donor agencies community, regional BTSs (Blood Transfusion Service), as well as for RRC regional branches.

2. All-Russian competition of best practices for scaling up the donation "Corporate culture of donations".

3. Special donor award to encourage NGOs' projects, representatives of the donor agency communities, regional BTSs, as well as RRC regional branches and volunteers.

Donor retention strategies:

Donor clubs, loyalty programs

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

No

Overall picture of the NS blood program scale and scope of activities:

Not provided



San Marino

Europe and Central Asia National Context

Level of RC/RC involvement: **D**

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population	33,660
GDP (USD)	1,855m
Human Development	Very High
HDI	0.853
HDI rank (of 191)	44
Life expectancy at birth	80.9
Median age	45.2
Maternal mortality ratio / (per 100,000 live births)	

National Blood Program

Blood program provision: Government- ISTITUTO SICUREZZA SOCIALE (SOCIAL SECURITY INSTITUTE)

Coordination: National

Fixed blood collection centres: 1

Blood testing/processing centres: 1

National authority for blood program activities: Yes

ISTITUTO SICUREZZA SOCIALE (SOCIAL SECURITY INSTITUTE)

Technical standards for blood programs: Yes

European Standards

National haemovigilance program: No

Blood program funding: Government

% VNRBD: 100%

% Replacement donors: /

% Paid donors: /

% Other donor types: /

National blood demand met: Yes

Plasma fractionation within the country: Yes

Common uses of blood: Maternal, trauma, surgery

Significant challenges: No

Relevant history / significant changes/impacts: No

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities: No



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided



Serbia

Level of RC/RC involvement: A2

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Europe and Central Asia National Context

Population 6,760,087

GDP (USD) 63,502m

Human Development Very High

HDI 0.802

HDI rank (of 191) 63

Life expectancy at birth 74.2

Median age 43.4

Maternal mortality ratio 12.0
(per 100,000 live births)

National Blood Program

Blood program provision: Ministry of Health

Coordination: National

Fixed blood collection centres: 7+1

Blood testing/processing centres: 7+1

National authority for blood program activities: Yes

Directory of Biomedicine

Technical standards for blood programs: Yes

National standards relate to WHO Guidelines and it is defined by the Law on Transfusion Medicine

National haemovigilance program: Yes

Blood program funding: Government/ Ministry of Health

% VNRBD: 100%

% Replacement donors: 20%

% Paid donors: 20%

% Other donor types: NS has no approach to this documents

National blood demand met: No

Plasma fractionation within the country: Yes

Common uses of blood: Cancer treatments, surgical interventions, trauma

Significant challenges: No

Relevant history / significant changes/impacts: In 2018 the reform of the Blood Program took place. In total 46 blood establishments shrank to 7 civil and 1 army BE

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, printing and disseminating materials, involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: No
- Donor recruitment and retention activity funding: Government, partners
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 134.643 or 65% of all collected blood units in the country

Blood donor recruitment strategies: Yes

Outreach / mobiles, pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, businesses, radio / tv, social media

Donor retention strategies: Yes

Other: Gifts of appreciation, "24 hours open door" for blood donors and their families, public recognition, promotion in media;

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- | | |
|--|-------------------------------|
| • Therapeutic collection of whole blood / plasma: No | • Solid organ transplants: No |
| • Cord blood banking: No | • Cornea: No |
| • Peripheral blood stem cells: No | • Other biomedical: No |
| • Bone marrow: No | • Other: No |



National Society background

Structure of your NS blood program activities:

- Not provided
- Not provided

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities:

NS is responsible for promotion, recruitment and retention of the blood donors, preselection, invitation of blood donors, organizing sites for blood drives and logistics for blood drives organization.

In the country, there are needs for 257.380 blood units per year, and in 2022. it was collected 208. 066 blood units or 80% of needed blood.

National Society Activities



Blood collection and processing

Blood donor interview: Yes

Blood collection: No

- Proportion (%) of the overall national blood supply: N/A
- Number of fixed collection sites: N/A
- Proportion (%) whole blood collections donated at fixed collection sites: N/A
- Total number of individual donors who made a whole blood and/or apheresis donation: N/A
- Number of new donors: N/A
- Number of repeat / regular donors: N/A
- Total number of collections: N/A
- Number of whole blood collections: N/A
- Number of plasmapheresis collections: N/A
- Number of plateletpheresis collections: N/A
- Number of red cell apheresis collections: N/A
- Number of other collection types: N/A
- Percentage (%) voluntary non-remunerated blood donors for all collection types: N/A

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No





Slovakia

Not verified (did not respond)

Level of RC/RC involvement: B

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Europe and Central Asia National Context

Population 5,431,752

GDP (USD) 115,469m

Human Development Very High

HDI 0.848

HDI rank (of 191) 45

Life expectancy at birth 74.9

Median age 41.8

Maternal mortality ratio 5.0
(per 100,000 live births)

National Blood Program

Blood program provision: National Transfusion Service of the Slovak Republic (NTS SR) - Ministry of Health
31 hospital based dpts of haem / transfusion (usually private regional hospitals) - provide blood for their own use in hospitals

Coordination: National

Fixed blood collection centres: NTS SR - 12 collection centres (plus 31 x hospital based)

Blood testing/processing centres: NTS SR - 3 processing / testing centres (plus 31 x hospital based)

National authority for blood program activities: Yes Unknown

Technical standards for blood programs: Unknown

National haemovigilance program: Yes

Blood program funding: Government

% VNRBD: 100% % Replacement donors: / % Paid donors: / % Other donor types: /

National blood demand met: Unknown Plasma fractionation within the country: No

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities:

Unknown



Donor recruitment and retention

Provision of pre and post donation care information to donors: **Unknown**

Blood donor recruitment and retention: **Yes**

- Strategy for blood donor recruitment and retention planning: Unknown
- Donor recruitment and retention activity funding: National Society, government / Ministry of Health and private organisations.
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: Unknown

Blood donor recruitment strategies:

School/university programs and corporate programs.

Donor retention strategies:

Unknown

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Unknown

Overall picture of the NS blood program scale and scope of activities:

Blood donor recruitment and retention activities are coordinated both nationally and by district/chapter by the National Society.



Slovenia

Level of RC/RC involvement: B

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Europe and Central Asia National Context

Population 2,108,732

GDP (USD) 62,118m

Human Development Very High

HDI 0.918

HDI rank (of 191) 23

Life expectancy at birth 80.7

Median age 44.9

Maternal mortality ratio 7.0
(per 100,000 live births)

National Blood Program

Blood program provision: Ministry of Health

Coordination: National, district

Fixed blood collection centres: 3

Blood testing/processing centres: Not provided

National authority for blood program activities: Yes

Blood transfusion centre of Slovenia

Technical standards for blood programs: Yes

Blood Supply Act and regulations relating to blood supply

National haemovigilance program: Yes

Blood program funding: Government

% VNRBD: 100%

% Replacement donors: /

% Paid donors: /

% Other donor types: /

National blood demand met: Not provided

Plasma fractionation within the country: No

Common uses of blood: Trauma, cancer, maternal / child health, transplantations etc.

Significant challenges: No

Relevant history / significant changes/impacts: Human values and solidarity crisis, global crisis, health status of the citizens and health crisis, staff shortages.

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Media, printing and disseminating materials, involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Blood Service, National Society, government
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 6,462

Blood donor recruitment strategies:

Outreach / mobiles, pre-donation education talks / seminars, volunteer engagement, schools / university engagement, targeting youth, businesses, radio / tv, social media

Donor retention strategies:

Donor clubs, personalised sms / email

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Pandemic of the COVID - 19 change the way of organizing blood drives more systematically. Blood transfusion service established system of appointments for donations.

Overall picture of the NS blood program scale and scope of activities:

Not provided



Spain

Not verified (did not respond)

Level of RC/RC involvement: A1

% National VNRBD: 100%

NS proportion of national blood supply (%): 5%

Number of units collected by NS: Unknown



Europe and Central Asia National Context

Population 47,615,034

GDP (USD) 1,397,509m

Human Development Very High

HDI 0.905

HDI rank (of 191) 27

Life expectancy at birth 83

Median age 43.9

Maternal mortality ratio 4.0
(per 100,000 live births)

National Blood Program

Blood program provision: autonomous communities/local governments and Red Cross

Coordination: regional level

Fixed blood collection centres: Unknown

Blood testing/processing centres: 20

National authority for blood program activities: Yes

Unknown

Technical standards for blood programs: Yes

Details not provided

National haemovigilance program: Yes

Blood program funding: Unknown

% VNRBD: 100%

% Replacement donors: /

% Paid donors: /

% Other donor types: /

National blood demand met: Unknown

Plasma fractionation within the country: Yes

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Unknown



Donor recruitment and retention

Provision of pre and post donation care information to donors: **Yes**

Blood donor recruitment and retention: **Yes**

- Strategy for blood donor recruitment and retention planning: Unknown
- Donor recruitment and retention activity funding: Blood service

- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: Unknown

Blood donor recruitment strategies: **Yes**

School/university engagement, corporate programs

Donor retention strategies: **Yes**

Unknown

National Society Activities



Blood collection and processing

Blood donor interview: Yes

Blood collection: Yes

- Proportion (%) of the overall national blood supply: 5%
- Number of fixed collection sites: Unknown
- Proportion (%) whole blood collections donated at fixed collection sites: Unknown
- Total number of individual donors who made a whole blood and/or apheresis donation: Unknown
- Number of new donors: Unknown
- Number of repeat / regular donors: Unknown
- Total number of collections: Unknown
- Number of whole blood collections: 88,522
- Number of plasmapheresis collections: Unknown
- Number of plateletpheresis collections: Unknown
- Number of red cell apheresis collections: Unknown
- Number of other collection types: Unknown
- Percentage (%) voluntary non-remunerated blood donors for all collection types: Unknown

Processing of blood into separate components: No

N/A

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: No
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: No



National Society background

Structure of your NS blood program activities:

- Decentralised
- Both separate blood service and hospital based blood centres

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities:

Spanish Red Cross supports the community of Madrid only. Processing blood to components, screening of infectious diseases and blood grouping is performed by the Ministry of Health.



Sweden

Level of RC/RC involvement: D

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Europe and Central Asia National Context

Population 10,486,941

GDP (USD) 585,939m

Human Development Very High

HDI 0.947

HDI rank (of 191) 7

Life expectancy at birth 83

Median age 41.1

Maternal mortality ratio 4.0
(per 100,000 live births)

National Blood Program

Blood program provision: All 21 regions of Sweden have their own blood program

Coordination: Nationally by the Swedish Blood Alliance

Fixed blood collection centres: unable to answer

Blood testing/processing centres: Unable to answer but more than 26, multiple locations in each region.

National authority for blood program activities: Yes

Overall responsible is Agency for health and welfare, the two structures mentioned in column D is for regulating medical products related to blood program

Technical standards for blood programs: Yes

Only available in Swedish.

National haemovigilance program: Yes

Blood program funding: Tax

% VNRBD: 100%

% Replacement donors:

% Paid donors:

% Other donor types:

National blood demand met: No

Plasma fractionation within the country: Yes, some

Common uses of blood: Not provided

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities: No



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided



Switzerland

Europe and Central Asia National Context

Level of RC/RC involvement: A1

% National VNRBD: 100%

NS proportion of national blood supply (%): 100%

Number of units collected by NS: 263,797



Population	8,931,306
GDP (USD)	818,427m
Human Development	Very High
HDI	0.967
HDI rank (of 191)	1
Life expectancy at birth	84
Median age	42.8
Maternal mortality ratio	5.0 (per 100,000 live births)

National Blood Program

Blood program provision: National authorities to assure quality of blood products; Red Cross to assure supply with blood products

Coordination: National, regional/district

Fixed blood collection centres: 37

Blood testing/processing centres: 11

National authority for blood program activities: Yes

Federal Office of Public Health

Swissmedic:

Technical standards for blood programs: Yes

Standards of Swisstransfusion SRC

National haemovigilance program: Yes

Blood program funding: Service and product cost recovery from hospitals. Hospitals are then mostly paid for their services by social insurance.

% VNRBD: 100%

% Replacement donors:

% Paid donors:

% Other donor types:

National blood demand met: Yes

Plasma fractionation within the country: Yes

Common uses of blood: Red cell concentrates

Significant challenges: No

Relevant history / significant changes/impacts: Adaptation of legislation in preparation (explicit prohibition of paid blood donation, non-discrimination of blood donors, legal possibility for national government to financially support blood services).

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Media, printing and disseminating materials, Other - school programs, website, social media



Donor recruitment and retention

Provision of pre and post donation care information to donors: **Yes**

Blood donor recruitment and retention: **Yes**

- Strategy for blood donor recruitment and retention planning: No
- Donor recruitment and retention activity funding: Blood Service
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 27,567 first time donors

Blood donor recruitment strategies: **Yes**

Volunteer engagement, schools/university engagement, social media

Donor retention strategies: **Yes**

Loyalty programs, personalised SMS/email, booking service when donating

Other - anniversary celebration for loyal donors (100 donations) with presentation of the highest award of the Swiss Red Cross (Henry Dunant Medal)

National Society Activities

**Blood collection and processing****Blood donor interview:** Yes**Blood collection:** Yes

- Proportion (%) of the overall national blood supply: 100%
- Number of fixed collection sites: 37
- Proportion (%) whole blood collections donated at fixed collection sites: 48%
- Total number of individual donors who made a whole blood and/or apheresis donation: 213,293 active donors
- Number of new donors: 27,567
- Number of repeat / regular donors: N/A
- Total number of collections: 263,797
- Number of whole blood collections: 246,043
- Number of plasmapheresis collections: 1,213
- Number of plateletpheresis collections: 12,928
- Number of red cell apheresis collections: 15
- Number of other collection types: Platelet- and red cell-apheresis 92
platelet- and plasma-apheresis 3,534
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 100%

Processing of blood into separate components: Yes

Red cells, fresh frozen plasma (q and pi) and platelets pi

Pathogen reduction of any blood components: Yes**Blood screening tests:** Yes**Post donation counselling of blood screening test results:** Yes**Pre-transfusion testing****Distribution of blood to hospitals / clinics:** Yes**Crossmatching / compatibility testing for transfusion:** Yes**Transfusion of blood products:** No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: Yes
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: Yes
- Cord blood banking: Yes
- Peripheral blood stem cells: Yes
- Bone marrow: Yes
- Solid organ transplants: No
- Cornea: No
- Other biomedical: Yes
- Other: Research and development, mother milk bank



National Society background

Structure of your NS blood program activities:

- National, decentralised
- Both separate blood service and hospital based blood centres

Relevant history for your NS blood program establishment: No

Overall picture of the NS blood program scale and scope of activities:

We have implemented the travel check and vaccination check, two digital tools that allow donors to clarify whether they can donate or when they can donate again before donating blood.

The introduced online appointment reservation system enables donors to plan their blood donations and the blood donation services to optimize their blood group-specific procurement planning. <https://www.blutspende.ch/de/blutspende>





Tajikistan

Europe and Central Asia National Context

Level of RC/RC involvement: C

% National VNRBD: Not provided

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 9,952,787

GDP (USD) 10,492m

Human Development Medium

HDI 0.685

HDI rank (of 191) 122

Life expectancy at birth 71.6

Median age 25.3

Maternal mortality ratio 17.0
(per 100,000 live births)

National Blood Program

Blood program provision: Government

Coordination: National

Fixed blood collection centres: 1

Blood testing/processing centres: 1

National authority for blood program activities: Yes

MoH of Tajikistan

Technical standards for blood programs: Yes

Decree of the Government of the Republic of Tajikistan dated May 2, 2013 No. 215 on centralization in order to ensure access, quality safety of blood and its components, and compliance with World Health Organization (WHO) standards. The blood centers of Khatlon and Sughd regions are branches of the Republican Scientific Blood Center. Link to website- <http://www.donor.tj>

National haemovigilance program: Yes

Blood program funding: Government

% VNRBD: Not provided

% Replacement donors: Not provided

% Paid donors: Not provided

% Other donor types: Not provided

National blood demand met: Yes

Plasma fractionation within the country: Yes

Common uses of blood: Cancer, trauma

Significant challenges: Disaster, infection diseases risk,etc

Relevant history / significant changes/impacts:

In the republics of Central Asia, including the Republic of Tajikistan, no one was involved in blood transfusion as a therapeutic agent before 1935. In 1935, by order of the People's Commissariat of the Tajik SSR, a branch of the Central Institute of Blood Transfusion was opened in Tajikistan. In the 1970-90s, the Republican Blood Transfusion Station worked hard to create blood centers and blood transfusion departments, to equip the departments. Long-term courses on monitoring blood transfusion units were organized, courses and seminars covered the basics of blood transfusion medicine. Despite the hardships of the civil war (1990-1997), the blood service staff retained its structure and paved the way for progress. In 1996, the Ministry of Health, renamed the Blood Transfusion Station "Republican Research and Production Center for Transfusion Medicine."

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Printing and disseminating materials, Other: Social media, information sessions



Donor recruitment and retention

Provision of pre and post donation care information to donors: **No**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: Details not provided



Türkiye

Not verified (did not respond)

Level of RC/RC involvement: A1

% National VNRBD: 100%

NS proportion of national blood supply (%): 80%

Number of units collected by NS: 1,937,976



Europe and Central Asia National Context

Population 85,341,241

GDP (USD) 905,988m

Human Development Very High

HDI 0.838

HDI rank (of 191) 48

Life expectancy at birth 76

Median age 32.2

Maternal mortality ratio 17.0
(per 100,000 live births)

National Blood Program

Blood program provision: Ministry of Health, Turkish Red Crescent

Coordination: National

Fixed blood collection centres: 13

Blood testing/processing centres: 18

National authority for blood program activities: Yes Unknown

Technical standards for blood programs: Yes Unknown

National haemovigilance program: Yes

Blood program funding: Cost recovery

% VNRBD: 100% % Replacement donors: / % Paid donors: / % Other donor types: /

National blood demand met: Unknown Plasma fractionation within the country: Unknown

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, printing and disseminating materials, World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Unknown
- Donor recruitment and retention activity funding: Government / Ministry of Health
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: Unknown

Blood donor recruitment strategies: Yes

School/university programs, Pledge 25 and corporate programs

Donor retention strategies: Yes

Unknown

National Society Activities



Blood collection and processing

Blood donor interview: Yes

Blood collection: Yes

- Proportion (%) of the overall national blood supply: 80%
- Number of fixed collection sites: 65
- Proportion (%) whole blood collections donated at fixed collection sites: Unknown
- Total number of individual donors who made a whole blood and/or apheresis donation: Unknown
- Number of new donors: Unknown
- Number of repeat / regular donors: Unknown
- Total number of collections: 1,937,976
- Number of whole blood collections: 1,904,609
- Number of plasmapheresis collections: Unknown
- Number of plateletpheresis collections: Unknown
- Number of red cell apheresis collections: Unknown
- Number of other collection types: Unknown
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 100%

Processing of blood into separate components: Yes

Unknown

Pathogen reduction of any blood components: Unknown

Blood screening tests: Yes

Post donation counselling of blood screening test results: Yes



Pre-transfusion testing

Distribution of blood to hospitals / clinics: Yes

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: Yes
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: No
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: NA



National Society background

Structure of your NS blood program activities:

- National
- Both separate blood service and hospital based blood centres

Relevant history for your NS blood program establishment: Unknown

Overall picture of the NS blood program scale and scope of activities: Unknown



Turkmenistan

Europe and Central Asia National Context

Level of RC/RC involvement: D

% National VNRBD: 0%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 6,430,770

GDP (USD) 40,761m

Human Development High

HDI 0.745

HDI rank (of 191) 91

Life expectancy at birth 69.3

Median age 29.2

Maternal mortality ratio 7.0
(per 100,000 live births)

National Blood Program

Blood program provision: Ministry of Health

Coordination: National

Fixed blood collection centres: 38

Blood testing/processing centres: 6

National authority for blood program activities: Yes

Ministry of Health and Medical Industry of Turkmenistan

Technical standards for blood programs: Yes

The Law of Turkmenistan "Concerning donated blood" (registered No. 595-V. dated 26.08.2017
web link: <https://www.parahat.info/law/parahat-info-law-01zs>

National haemovigilance program: Yes

Blood program funding: Government

% VNRBD: 0%

% Replacement donors: 50%

% Paid donors: 50%

% Other donor types: NA

National blood demand met: Yes

Plasma fractionation within the country: Yes

Common uses of blood: Cancer, internal bleeding, maternal / child health, trauma

Significant challenges: NA

Relevant history / significant changes/impacts: /

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities: No



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: National Red Crescent Society of Turkmenistan does not have any history of blood programs

Overall picture of the NS blood program scale and scope of activities: There is no Blood programs experience for our NS



Ukraine

Not verified (did not respond)

Level of RC/RC involvement: C

% National VNRBD: 64.5%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Europe and Central Asia National Context

Population 38,000,000

GDP (USD) 160,503m

Human Development High

HDI 0.773

HDI rank (of 191) 77

Life expectancy at birth 71.6

Median age 41.2

Maternal mortality ratio 19.0
(per 100,000 live births)

National Blood Program

Blood program provision: Government

Coordination: Unknown

Fixed blood collection centres: Unknown

Blood testing/processing centres: 4

National authority for blood program activities: Yes Unknown

Technical standards for blood programs: Yes Unknown

National haemovigilance program: No

Blood program funding: Service cost recovery, government

% VNRBD: 64.50% % Replacement donors: 13.50% % Paid donors: 13.50% % Other donor types: /

National blood demand met: Unknown Plasma fractionation within the country: Unknown

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

World blood Donor Day; occasional community awareness



Donor recruitment and retention

Provision of pre and post donation care information to donors: **No**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: Details not provided



United Kingdom

Europe and Central Asia National Context

Level of RC/RC involvement: **D**

% National VNRBD: Not provided

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population	66,971,411
GDP (USD)	3,070,668m
Human Development	Very High
HDI	0.929
HDI rank (of 191)	18
Life expectancy at birth	80.7
Median age	40.6
Maternal mortality ratio	7.0 (per 100,000 live births)

National Blood Program

Blood program provision: Not provided

Coordination: Not provided

Fixed blood collection centres: Not provided

Blood testing/processing centres: Not provided

National authority for blood program activities: Not provided Not provided

Technical standards for blood programs: Not provided Not provided

National haemovigilance program: Not provided

Blood program funding: Not provided

% VNRBD: Not provided % Replacement donors: Not provided % Paid donors: Not provided % Other donor types: Not provided

National blood demand met: Not provided Plasma fractionation within the country: Not provided

Common uses of blood: Not provided

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities: No



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided



Uzbekistan

Not verified (did not respond)

Level of RC/RC involvement: B

% National VNRBD: 54%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Europe and Central Asia National Context

Population 35,648,100

GDP (USD) 80,392m

Human Development High

HDI 0.727

HDI rank (of 191) 101

Life expectancy at birth 70.9

Median age 30.1

Maternal mortality ratio 29.0
(per 100,000 live births)

National Blood Program

Blood program provision: Government

Coordination: National and regional

Fixed blood collection centres: 189

Blood testing/processing centres: 16

National authority for blood program activities: Yes Unknown

Technical standards for blood programs: Unknown

National haemovigilance program: Unknown

Blood program funding: Government

% VNRBD: 54%

% Replacement donors: 36%

% Paid donors: 36%

% Other donor types: /

National blood demand met: Unknown

Plasma fractionation within the country: Yes

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities:

Unknown



Donor recruitment and retention

Provision of pre and post donation care information to donors: **Unknown**

Blood donor recruitment and retention: **Yes**

- Strategy for blood donor recruitment and retention planning: Unknown
- Donor recruitment and retention activity funding: Funded by the government or Ministry of Health.
- Paid positions (staff) for donor recruitment and retention: **Yes**
- Number of donors recruited / registered to donate by the NS: **Unknown**

Blood donor recruitment strategies:

School/university programs.

Donor retention strategies:

Unknown

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Unknown

Overall picture of the NS blood program scale and scope of activities:

Unknown

Middle East & Northern Africa - regional summary

National Societies by Category

Category A1

Egypt
Jordan
Lebanon

Category A2

Nil

Category B

Algeria
Bahrain
Iran, Islamic Republic of
Iraq
Libya
Morocco

Category C

Kuwait
Qatar
Tunisia
Yemen

Nil (no involvement)

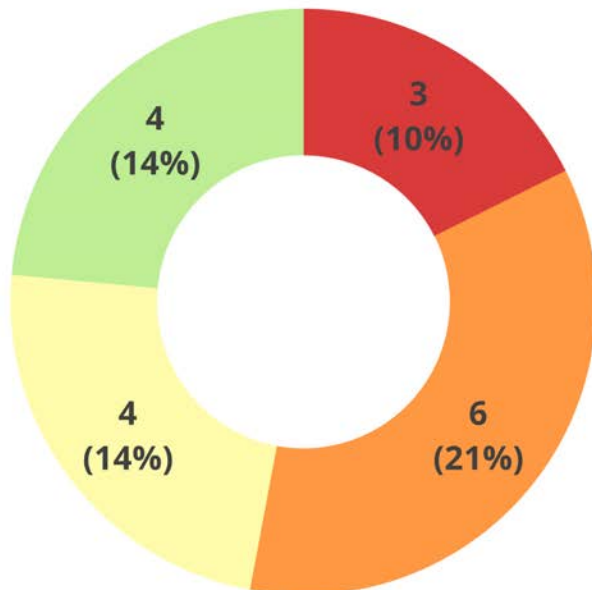
Palestinian Occupied Territory
Saudi Arabia
Syria
United Arab Emirates

[Link to legend](#)

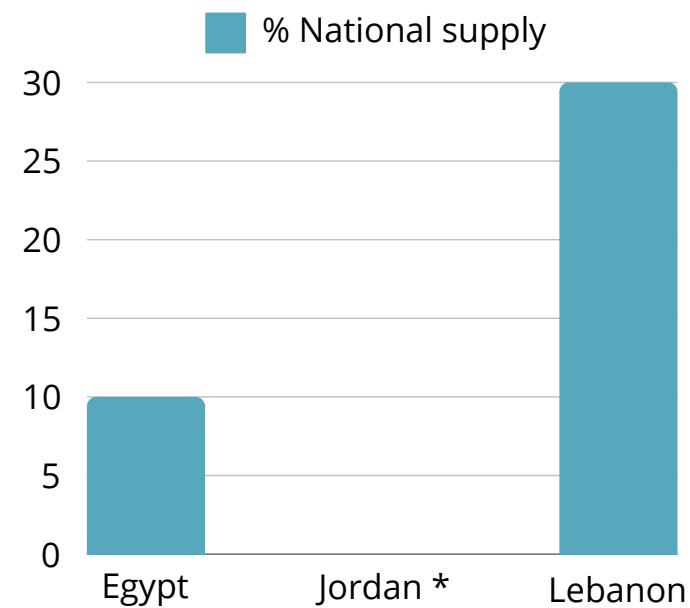
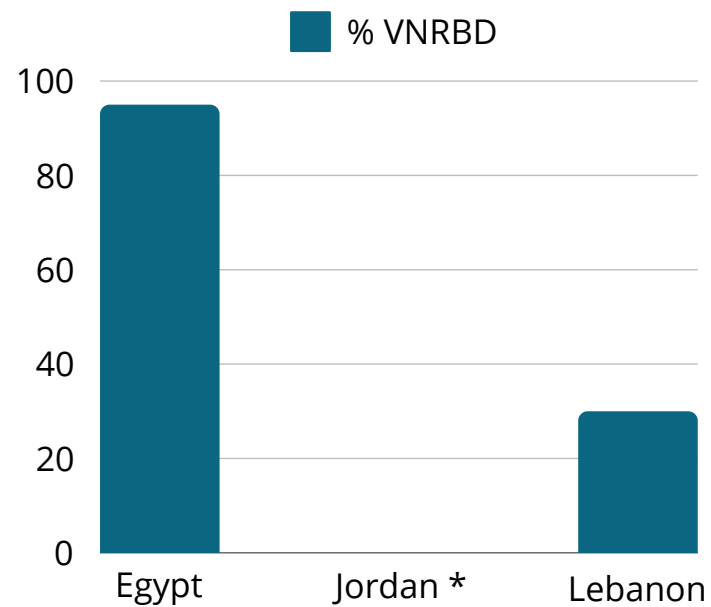


National Society Categories

Total = 17



- Category A1 (full blood service - collection, processing, testing, distribution)
- Category B (regular recruitment of voluntary blood donors)
- Category C (promotion of voluntary blood donation)
- Nil involvement

Voluntary blood donation and national blood supply by National Society (Category A NS)

*Information not available



Algeria

Not verified (did not respond)

Level of RC/RC involvement: **B**

% National VNRBD: 67%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



MENA

National Context

Population 44,903,225

GDP (USD) 191,913m

Human Development High

HDI 0.745

HDI rank (of 191) 91

Life expectancy at birth 76.4

Median age 28.9

Maternal mortality ratio 112
(per 100,000 live births)

National Blood Program

Blood program provision: Agence Nationale du Sang (ANS)
Algerian Red Crescent Society

Coordination: Unknown

Fixed blood collection centres: 229

Blood testing/processing centres: Unknown

National authority for blood program activities: Yes Unknown

Technical standards for blood programs: Yes Unknown

National haemovigilance program: No

Blood program funding: Unknown

% VNRBD: 67%

% Replacement donors: 33%

% Paid donors: 0

% Other donor types: 0

National blood demand met: Unknown

Plasma fractionation within the country: Unknown

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities:

Unknown



Donor recruitment and retention

Provision of pre and post donation care information to donors: **Unknown**

Blood donor recruitment and retention: **Yes**

- Strategy for blood donor recruitment and retention planning: Unknown
- Donor recruitment and retention activity funding: Unknown
- Paid positions (staff) for donor recruitment and retention: Unknown
- Number of donors recruited / registered to donate by the NS: Unknown

Blood donor recruitment strategies:

Working closely with the MoH (Agence Nationale du don sang) which works both in hospitals and in rural areas using "clicomobiles" collecting blood.

Donor retention strategies:

Unknown

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Unknown

Overall picture of the NS blood program scale and scope of activities:

Unknown



Bahrain

Not verified (did not respond)

Level of RC/RC involvement: B

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



MENA

National Context

Population 1,472,233

GDP (USD) 44,391m

Human Development Very High

HDI 0.875

HDI rank (of 191) 35

Life expectancy at birth 78.8

Median age /

Maternal mortality ratio 14
(per 100,000 live births)

National Blood Program

Blood program provision: Ministry of Health
Bahrain Red Crescent

Coordination: Unknown

Fixed blood collection centres: 3

Blood testing/processing centres: 3

National authority for blood program activities: Yes Unknown

Technical standards for blood programs: Yes Unknown

National haemovigilance program: Yes

Blood program funding: Unknown

% VNRBD: 100%

% Replacement donors: 0

% Paid donors: 0

% Other donor types: 0

National blood demand met: Unknown

Plasma fractionation within the country: Unknown

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

Blood Bank Committee conducts awareness campaigns on the importance and need for blood donation



Donor recruitment and retention

Provision of pre and post donation care information to donors: Unknown

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Unknown
- Donor recruitment and retention activity funding: Unknown
- Paid positions (staff) for donor recruitment and retention: Unknown
- Number of donors recruited / registered to donate by the NS: Unknown

Blood donor recruitment strategies:

Social media; Appeals to the public for shortages in peak periods (by request of MoH); Organising outdoor blood donation camps with the Central Blood Bank

Donor retention strategies:

Unknown

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

The Bahrain Red Crescent used to be involved in blood services but stopped in the 1980s.

Overall picture of the NS blood program scale and scope of activities:

Unknown



Egypt

Level of RC/RC involvement: A1

% National VNRBD: Not provided

NS proportion of national blood supply (%): 10%

Number of units collected by NS: 99,500



MENA

National Context

Population 110,990,103

GDP (USD) 476,748m

Human Development High

HDI 0.731

HDI rank (of 191) 97

Life expectancy at birth 70.2

Median age 24.1

Maternal mortality ratio 37
(per 100,000 live births)

National Blood Program

Blood program provision: National Blood Transfusion Services; Ministry of Health; Egyptian Red Crescent; Universities / private

Coordination: National

Fixed blood collection centres: Not provided

Blood testing/processing centres: Not provided

National authority for blood program activities: Yes

National Blood Regulatory Authority (under MoH); Egyptian Drug Authority

Technical standards for blood programs: Yes

National Blood Standards; National Guidelines for Appropriate use of Blood; National Lab Strategy; Blood Safety Manual; Blood Technical Manual; National Guidelines for Donor Counselling

National haemovigilance program: No

Blood program funding: Government

% VNRBD: Not provided

% Replacement donors: Not provided

% Paid donors: Not provided

% Other donor types: Not provided

National blood demand met: Not provided

Plasma fractionation within the country: Not provided

Common uses of blood: Not provided

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, Printing and disseminating materials, Involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: Blood service, National Society
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: 1,200

Blood donor recruitment strategies: Yes

Outreach / mobiles, Pre-donation education talks / seminars, Targeting youth, Radio / tv, Social media

Donor retention strategies: Yes

Booking service when donating

National Society Activities

**Blood collection and processing****Blood donor interview:** Yes**Blood collection:** Yes

- Proportion (%) of the overall national blood supply: 10%
- Number of fixed collection sites: 5
- Proportion (%) whole blood collections donated at fixed collection sites: 90%
- Total number of individual donors who made a whole blood and/or apheresis donation: 90,000
- Number of new donors: 90,000
- Number of repeat / regular donors: 10,000
- Total number of collections: 99,500
- Number of whole blood collections: 100,000
- Number of plasmapheresis collections: 300
- Number of plateletpheresis collections: Not provided
- Number of red cell apheresis collections: Not provided
- Number of other collection types: Not provided
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 95%

Processing of blood into separate components: Yes

Packed red blood cells, Plasma and Cryo

Pathogen reduction of any blood components: Yes**Blood screening tests:** Yes**Post donation counselling of blood screening test results:** Yes**Pre-transfusion testing****Distribution of blood to hospitals / clinics:** Yes**Crossmatching / compatibility testing for transfusion:** Yes**Transfusion of blood products:** Yes

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: Yes
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: No



National Society background

Structure of your NS blood program activities:

- Decentralised
- Both separate blood service and hospital based blood centres

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided



Iran, Islamic Republic of

Not verified (did not respond)

Level of RC/RC involvement: **B**

% National VNRBD: 100%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



MENA

National Context

Population 88,550,570

GDP (USD) 388,544m

Human Development High

HDI 0.774

HDI rank (of 191) 76

Life expectancy at birth 73.9

Median age 31.7

Maternal mortality ratio 16
(per 100,000 live births)

National Blood Program

Blood program provision: Iran Blood Transfusion Organisation (IBTO) - MoH; Red Crescent

Coordination: National

Fixed blood collection centres: 91

Blood testing/processing centres: Unknown

National authority for blood program activities: Yes

Ministry of Health; Iranian National Regulatory Authority

Technical standards for blood programs: Yes

Unknown

National haemovigilance program: Yes

Blood program funding: Government

% VNRBD: 100%

% Replacement donors: 0

% Paid donors: 0

% Other donor types: 0

National blood demand met: Unknown

Plasma fractionation within the country: Yes

Common uses of blood: Road trauma, thalassasemia

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities:

N/A



Donor recruitment and retention

Provision of pre and post donation care information to donors: Unknown

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Unknown
- Donor recruitment and retention activity funding: National Society
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: Unknown

Blood donor recruitment strategies:

Red Crescent volunteers comprise the largest group of blood donors

Donor retention strategies:

Unknown

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Unknown

Overall picture of the NS blood program scale and scope of activities:

Unknown



Iraq

Not verified (did not respond)

Level of RC/RC involvement: **B**

% National VNRBD: Unknown

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



MENA

National Context

Population 44,496,122

GDP (USD) 264,182m

Human Development Medium

HDI 0.686

HDI rank (of 191) 121

Life expectancy at birth 70.4

Median age 21.2

Maternal mortality ratio 79
(per 100,000 live births)

National Blood Program

Blood program provision: National Blood Transfusion Center (NBTC); Iraqi Red Crescent Society

Coordination: National

Fixed blood collection centres: 39

Blood testing/processing centres: Unknown

National authority for blood program activities: Yes Unknown

Technical standards for blood programs: Unknown Unknown

National haemovigilance program: Yes

Blood program funding: Unknown

% VNRBD: Unknown % Replacement donors: Unknown % Paid donors: Unknown % Other donor types: Unknown

National blood demand met: Unknown Plasma fractionation within the country: Unknown

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities:

Unknown



Donor recruitment and retention

Provision of pre and post donation care information to donors: **Unknown**

Blood donor recruitment and retention: **Yes**

- Strategy for blood donor recruitment and retention planning: **Unknown**
- Donor recruitment and retention activity funding: **National Society**
- Paid positions (staff) for donor recruitment and retention: **Yes**
- Number of donors recruited / registered to donate by the NS: **115 (2020)**

Blood donor recruitment strategies:

School / university engagement

Targeting businesses

Donor retention strategies:

Unknown

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Unknown

Overall picture of the NS blood program scale and scope of activities:

Unknown



Jordan

MENA

National Context

Level of RC/RC involvement: A1

% National VNRBD: 51.60%

NS proportion of national blood supply (%): 20%

Number of units collected by NS: 912



Population 11,285,869

GDP (USD) 47,451m

Human Development High

HDI 0.72

HDI rank (of 191) 102

Life expectancy at birth 74.3

Median age 23.5

Maternal mortality ratio 46
(per 100,000 live births)

National Blood Program

Blood program provision: MoH National Directorate for Blood Banking; Royal Medical Services; University of Jordan Hospital; Private sector; Jordanian Red Crescent

Coordination: National and regional

Fixed blood collection centres: 41

Blood testing/processing centres: Not provided

National authority for blood program activities: Yes Details not provided

Technical standards for blood programs: Yes Details not provided

National haemovigilance program: Not provided

Blood program funding: Not provided

% VNRBD: 51.60% % Replacement donors: Not provided % Paid donors: Not provided % Other donor types: Not provided

National blood demand met: Yes Plasma fractionation within the country: Not provided

Common uses of blood: Not provided

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities: Yes

Media, printing and disseminating materials, involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: Yes

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: National Society, Partners
- Paid positions (staff) for donor recruitment and retention: No
- Number of donors recruited / registered to donate by the NS: Not provided

Blood donor recruitment strategies: Yes

Outreach / mobiles, volunteer engagement, schools / university engagement, targeting youth, social media

Donor retention strategies: Yes

Other: Honoring them in a special ceremony and giving them symbolic gifts

National Society Activities

**Blood collection and processing****Blood donor interview:** Yes**Blood collection:** Yes

- Proportion (%) of the overall national blood supply: 20%
- Number of fixed collection sites: Only inside the hospital
- Proportion (%) whole blood collections donated at fixed collection sites: 20%
- Total number of individual donors who made a whole blood and/or apheresis donation: 840
- Number of new donors: 600
- Number of repeat / regular donors: 240
- Total number of collections: 912
- Number of whole blood collections: 912
- Number of plasmapheresis collections: 0
- Number of plateletpheresis collections: 0
- Number of red cell apheresis collections: 0
- Number of other collection types: Not provided
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 100%

Processing of blood into separate components: No

N/A

Pathogen reduction of any blood components: Yes**Blood screening tests:** Yes**Post donation counselling of blood screening test results:** Yes**Pre-transfusion testing****Distribution of blood to hospitals / clinics:** No**Crossmatching / compatibility testing for transfusion:** Yes**Transfusion of blood products:** Yes

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: No
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: No



National Society background

Structure of your NS blood program activities:

- National
- Hospital based

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided



Kuwait

Not verified (did not respond)

Level of RC/RC involvement: C

% National VNRBD: 55.70%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



MENA

National Context

Population 4,268,873

GDP (USD) 184,558m

Human Development Very High

HDI 0.831

HDI rank (of 191) 50

Life expectancy at birth 78.7

Median age 19.7

Maternal mortality ratio 12
(per 100,000 live births)

National Blood Program

Blood program provision: Kuwait Central Blood Bank (Ministry of Health)

Coordination: National

Fixed blood collection centres: 1

Blood testing/processing centres: 1

National authority for blood program activities: Yes Unknown

Technical standards for blood programs: Yes Unknown

National haemovigilance program: Yes

Blood program funding: Cost recovery

% VNRBD: 55.70%

% Replacement donors: 44.30%

% Paid donors: 0

% Other donor types: 0

National blood demand met: Unknown

Plasma fractionation within the country: Unknown

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Blood donation campaign for World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: **No**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: Details not provided



Lebanon

MENA

National Context

Level of RC/RC involvement: A1

% National VNRBD: < 5% in hospital blood banks, 20% in LRC

NS proportion of national blood supply (%): N/A

Number of units collected by NS: 44,561



Population	5,489,739
GDP (USD)	53,376m
Human Development	High
HDI	0.706
HDI rank (of 191)	112
Life expectancy at birth	75
Median age	33.7
Maternal mortality ratio	29
(per 100,000 live births)	

National Blood Program

Blood program provision: Hospitals and Lebanese red cross

Coordination: Fragmented (each hospital alone)

Fixed blood collection centres: >130

Blood testing/processing centres: >130

National authority for blood program activities: Yes

Ministry of Public health

Technical standards for blood programs: Yes

<https://www.moph.gov.lb/ar/Pages/4/3262/blood-transfusion->

National haemovigilance program: Under process

Ministry of Public health

<https://www.moph.gov.lb/ar/Pages/4/3262/blood-transfusion->

Blood program funding: LRC is funded by international movement partners; no cost recovery local

% VNRBD: < 5% in hospital blood banks, 20% in LRC % Replacement donors: >95% in hospital blood banks, 80% in LRC % Paid donors: 0 % Other donor types: 0

National blood demand met: Yes

Plasma fractionation within the country: No

Common uses of blood: Cancer, surgeries, thalassemia

Significant challenges: Secure cost recovery for LRC blood service

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Printing and disseminating materials, involvement in World Blood Donor Day



Donor recruitment and retention

Provision of pre and post donation care information to donors: **Yes**

Blood donor recruitment and retention: **Yes**

- Strategy for blood donor recruitment and retention planning: Yes
- Donor recruitment and retention activity funding: National Society, partners
- Paid positions (staff) for donor recruitment and retention: Yes
- Number of donors recruited / registered to donate by the NS: 2,303

Blood donor recruitment strategies: **Yes**

Outreach / mobiles, volunteer engagement, schools / university engagement, targeting youth, businesses, social media

Donor retention strategies: **Yes**

Other: Loyalty programs / gifts, personalised sms / email (thank you or reminder to donate)

National Society Activities

**Blood collection and processing****Blood donor interview:** Yes**Blood collection:** Yes

- Proportion (%) of the overall national blood supply: Not provided
- Number of fixed collection sites: 13
- Proportion (%) whole blood collections donated at fixed collection sites: 92%
- Total number of individual donors who made a whole blood and/or apheresis donation: 39,503
- Number of new donors: 2,869
- Number of repeat / regular donors: 1,018
- Total number of collections: 44,561
- Number of whole blood collections: 44,561
- Number of plasmapheresis collections: N/A
- Number of plateletpheresis collections: N/A
- Number of red cell apheresis collections: N/A
- Number of other collection types: N/A
- Percentage (%) voluntary non-remunerated blood donors for all collection types: 20%

Processing of blood into separate components: Yes

Red blood cells, plasma

Pathogen reduction of any blood components: No**Blood screening tests:** Yes**Post donation counselling of blood screening test results:** Yes**Pre-transfusion testing****Distribution of blood to hospitals / clinics:** No**Crossmatching / compatibility testing for transfusion:** No**Transfusion of blood products:** No

National Society Activities



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator: No
- Operate a fractionation facility to manufacture plasma derived medicinal products: No

Other activities:

- Therapeutic collection of whole blood / plasma: No
- Cord blood banking: No
- Peripheral blood stem cells: No
- Bone marrow: No
- Solid organ transplants: No
- Cornea: No
- Other biomedical: No
- Other: No



National Society background

Structure of your NS blood program activities:

- Decentralised
- Separate blood service

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided



Libya

Not verified (did not respond)

Level of RC/RC involvement: B

% National VNRBD: 11.50%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



MENA

National Context

Population 6,812,341

GDP (USD) 45,752m

Human Development High

HDI 0.718

HDI rank (of 191) 104

Life expectancy at birth 71.9

Median age 25.8

Maternal mortality ratio 72
(per 100,000 live births)

National Blood Program

Blood program provision: Government and private organisations

Coordination: Unknown

Fixed blood collection centres: 58

Blood testing/processing centres: 10

National authority for blood program activities: Unknown Unknown

Technical standards for blood programs: Unknown Unknown

National haemovigilance program: No

Blood program funding: Unknown

% VNRBD: 11.50%

% Replacement donors: 88.50%

% Paid donors: 0

% Other donor types: 0

National blood demand met: Unknown

Plasma fractionation within the country: Unknown

Common uses of blood: Unknown

Significant challenges: Civil war

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

School education, volunteers assist in hospitals and transport donors to blood centres to donate, assist the Ministry of Health with their blood program



Donor recruitment and retention

Provision of pre and post donation care information to donors: Unknown

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Unknown
- Donor recruitment and retention activity funding: Unknown
- Paid positions (staff) for donor recruitment and retention: Unknown
- Number of donors recruited / registered to donate by the NS: Unknown

Blood donor recruitment strategies:

Unknown

Donor retention strategies:

Unknown

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Unknown

Overall picture of the NS blood program scale and scope of activities:

Unknown



Morocco

Not verified (did not respond)

Level of RC/RC involvement: B

% National VNRBD: 92.90%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



MENA

National Context

Population 37,457,971

GDP (USD) 134,182m

Human Development Medium

HDI 0.683

HDI rank (of 191) 123

Life expectancy at birth 74

Median age 29.1

Maternal mortality ratio 70
(per 100,000 live births)

National Blood Program

Blood program provision: Ministry of Health (National Blood Transfusion Centre)

Coordination: National

Fixed blood collection centres: 11

Blood testing/processing centres: 6

National authority for blood program activities: Yes Unknown

Technical standards for blood programs: Yes Unknown

National haemovigilance program: Yes

Blood program funding: Government and cost recovery

% VNRBD: 92.90%

% Replacement donors: 7.10%

% Paid donors: 0

% Other donor types: 0

National blood demand met: Unknown

Plasma fractionation within the country: No

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: Yes

Community awareness activities:

The MRC cooperates with the Ministry of Health at both a regional and local level to organise campaigns, such as arranging radio campaigns appealing for donors. MRC volunteers are customarily asked to be a role model in their family and community by donating blood.



Donor recruitment and retention

Provision of pre and post donation care information to donors: Unknown

Blood donor recruitment and retention: Yes

- Strategy for blood donor recruitment and retention planning: Unknown
- Donor recruitment and retention activity funding: Unknown
- Paid positions (staff) for donor recruitment and retention: Unknown
- Number of donors recruited / registered to donate by the NS: Unknown

Blood donor recruitment strategies:

Unknown

Donor retention strategies:

Unknown

National Society Activities



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment:

Unknown

Overall picture of the NS blood program scale and scope of activities:

Unknown



Palestinian Occupied Territory

Not verified (did not respond)

Level of RC/RC involvement: D

% National VNRBD: Unknown

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



MENA

National Context

Population	/
GDP (USD)	4,016m
Human Development	High
HDI	0.715
HDI rank (of 191)	106
Life expectancy at birth	73.5
Median age	/
Maternal mortality ratio	/
(per 100,000 live births)	

National Blood Program

Blood program provision: Ministry of Health

Coordination: National

Fixed blood collection centres: Unknown

Blood testing/processing centres: Unknown

National authority for blood program activities: Unknown

Technical standards for blood programs: Unknown

National haemovigilance program: Unknown

Blood program funding: Unknown

% VNRBD: Unknown

% Replacement donors: Unknown

% Paid donors: Unknown

% Other donor types: Unknown

National blood demand met: Unknown

Plasma fractionation within the country: Unknown

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities: No



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: Unknown

Overall picture of the NS blood program scale and scope of activities: Unknown

Level of RC/RC involvement: **C**

% National VNRBD: 99.90%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population	2,695,122
GDP (USD)	237,296m
Human Development	Very High
HDI	0.855
HDI rank (of 191)	42
Life expectancy at birth	79.3
Median age	33.7
Maternal mortality ratio (per 100,000 live births)	9.0

National Blood Program

Blood program provision: Government and private organisations

Coordination: Nationally

Fixed blood collection centres: 1

Blood testing/processing centres: 1

National authority for blood program activities: Not provided Not provided

Technical standards for blood programs: Not provided Not provided

National haemovigilance program: Yes

Blood program funding: Government

% VNRBD: 99.90% % Replacement donors: 0.10% % Paid donors: Not provided % Other donor types: Not provided

National blood demand met: Not provided Plasma fractionation within the country: Not provided

Common uses of blood: Not provided

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Details not provided



Donor recruitment and retention

Provision of pre and post donation care information to donors: **No**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: Previous blood donation campaigns, where QRCS were involved in, they were organized in coordination with Qatar Blood Donor Center at Hamad Medical Corporation.



Saudi Arabia

Not verified (did not respond)

Level of RC/RC involvement: D

% National VNRBD: 60%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



MENA

National Context

Population	36,408,820
GDP (USD)	1,108,149m
Human Development	Very High
HDI	0.875
HDI rank (of 191)	35
Life expectancy at birth	76.9
Median age	30.8
Maternal mortality ratio	17
(per 100,000 live births)	

National Blood Program

Blood program provision: Ministry of Health

Coordination: Blood transfusion services are hospital based, fragmented services

Fixed blood collection centres: 253 (173 in MoH, 50 in private hospitals, 30 in different government sectors) # Blood testing/processing centres: Unknown

National authority for blood program activities: Yes Unknown

Technical standards for blood programs: Yes Saudi Central Board for Accreditation of Healthcare Institutions (CBAHI) - National Program for Clinical Laboratories and Blood Banks Accreditation
National haemovigilance program: Yes <https://portal.cbahi.gov.sa/english/accreditation-programs>

Blood program funding: Unknown

% VNRBD: 60% % Replacement donors: 0 % Paid donors: 36% % Other donor types: 4% - part of driving license renewal

National blood demand met: Unknown Plasma fractionation within the country: Unknown

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities

Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities: No

Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No

Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No

Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No

Fractionation and other activities

Fractionation activities: No

Other activities: No

National Society background

Relevant history for your NS blood program establishment: Unknown

Overall picture of the NS blood program scale and scope of activities: Unknown



MENA National Context

Level of RC/RC involvement: **D**

% National VNRBD: Not provided

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



Population 22,125,249

GDP (USD) 40,405m

Human Development Medium

HDI 0.577

HDI rank (of 191) 150

Life expectancy at birth 72.1

Median age 23.5

Maternal mortality ratio 31
(per 100,000 live births)

National Blood Program

Blood program provision: Not provided

Coordination: Not provided

Fixed blood collection centres: Not provided

Blood testing/processing centres: Not provided

National authority for blood program activities: Not provided Not provided

Technical standards for blood programs: Not provided Not provided

National haemovigilance program: Not provided

Blood program funding: Not provided

% VNRBD: Not provided % Replacement donors: Not provided % Paid donors: Not provided % Other donor types: Not provided

National blood demand met: Not provided Plasma fractionation within the country: Not provided

Common uses of blood: Not provided

Significant challenges: Not provided

Relevant history / significant changes/impacts: Not provided

National Society Activities

Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities: No

Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No

Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No

Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No

Fractionation and other activities

Fractionation activities: No

Other activities: No

National Society background

Relevant history for your NS blood program establishment: Not provided

Overall picture of the NS blood program scale and scope of activities: Not provided



Tunisia

Not verified (did not respond)

Level of RC/RC involvement: C

% National VNRBD: 26%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



MENA

National Context

Population 12,356,117

GDP (USD) 46,665m

Human Development High

HDI 0.731

HDI rank (of 191) 97

Life expectancy at birth 73.8

Median age 32.7

Maternal mortality ratio 43
(per 100,000 live births)

National Blood Program

Blood program provision: Centre National de Transfusion Sanguine (CNTS)

Coordination: National

Fixed blood collection centres: 7 standalone, 25 hospital based

Blood testing/processing centres: Unknown

National authority for blood program activities: Yes

République Tunisienne Ministère de la Santé; <http://www.santetunisie.rns.tn/>

Technical standards for blood programs: Yes

Unknown

National haemovigilance program: Yes

Blood program funding: Unknown

% VNRBD: 26%

% Replacement donors: 74%

% Paid donors: 0

% Other donor types: 0

National blood demand met: Unknown

Plasma fractionation within the country: Unknown

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Involvement in World Blood Donor Day, and during peak periods when there are blood shortages (Ramadan and summer holidays)



Donor recruitment and retention

Provision of pre and post donation care information to donors: **No**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: Details not provided



United Arab Emirates

Not verified (did not respond)

Level of RC/RC involvement: **D**

% National VNRBD: 93%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



MENA

National Context

Population 9,441,129

GDP (USD) 507,535m

Human Development Very High

HDI 0.911

HDI rank (of 191) 26

Life expectancy at birth 78.7

Median age 38.4

Maternal mortality ratio 3
(per 100,000 live births)

National Blood Program

Blood program provision: Emirates Health Services, Abu Dhabi Blood Bank Services

Coordination: Unknown

Fixed blood collection centres: 5 standalone, 7 hospital based

Blood testing/processing centres: Unknown

National authority for blood program activities: Yes Unknown

Technical standards for blood programs: Yes Unknown

National haemovigilance program: Unknown

Blood program funding: Unknown

% VNRBD: 93%

% Replacement donors: 2%

% Paid donors: 5%

% Other donor types: 0%

National blood demand met: Unknown

Plasma fractionation within the country: Unknown

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: No

Community awareness activities: No



Donor recruitment and retention

Provision of pre and post donation care information to donors: No

Blood donor recruitment and retention: No

Blood donor recruitment strategies: No

Donor retention strategies: No



Blood collection and processing

Blood donor interview: No

Blood collection: No

Processing of blood into separate components: No

Pathogen reduction of any blood components: No

Blood screening tests: No

Post donation counselling of blood screening test results: No



Pre-transfusion testing

Distribution of blood to hospitals / clinics: No

Crossmatching / compatibility testing for transfusion: No

Transfusion of blood products: No



Fractionation and other activities

Fractionation activities: No

Other activities: No



National Society background

Relevant history for your NS blood program establishment: Unknown

Overall picture of the NS blood program scale and scope of activities: Unknown



Yemen

Not verified (did not respond)

Level of RC/RC involvement: C

% National VNRBD: 29%

NS proportion of national blood supply (%): N/A

Number of units collected by NS: N/A



MENA

National Context

Population	33,696,614
GDP (USD)	26,914m
Human Development	Low
HDI	0.455
HDI rank (of 191)	183
Life expectancy at birth	63.8
Median age	19.8
Maternal mortality ratio	164
(per 100,000 live births)	

National Blood Program

Blood program provision: National Blood Transfusion and Research Centre (NBTRC), National Centre of Public Health Laboratories (NCPHL), public and private hospital blood banks

Coordination: Unknown

Fixed blood collection centres: 8 standalone, 271 hospital based

Blood testing/processing centres: Unknown

National authority for blood program activities: Yes Unknown

Technical standards for blood programs: Yes Unknown

National haemovigilance program: No

Blood program funding: Unknown

% VNRBD: 29%

% Replacement donors: 71%

% Paid donors: 0

% Other donor types: 0

National blood demand met: Unknown

Plasma fractionation within the country: Unknown

Common uses of blood: Unknown

Significant challenges: Unknown

Relevant history / significant changes/impacts: Unknown

National Society Activities



Community education and advocacy

Community education and advocacy for voluntary blood donation: **Yes**

Community awareness activities: **Yes**

Details unknown



Donor recruitment and retention

Provision of pre and post donation care information to donors: **No**

Blood donor recruitment and retention: **No**

Blood donor recruitment strategies: **No**

Donor retention strategies: **No**



Blood collection and processing

Blood donor interview: **No**

Blood collection: **No**

Processing of blood into separate components: **No**

Pathogen reduction of any blood components: **No**

Blood screening tests: **No**

Post donation counselling of blood screening test results: **No**



Pre-transfusion testing

Distribution of blood to hospitals / clinics: **No**

Crossmatching / compatibility testing for transfusion: **No**

Transfusion of blood products: **No**



Fractionation and other activities

Fractionation activities: **No**

Other activities: **No**



National Society background

Relevant history for your NS blood program establishment: Details not provided

Overall picture of the NS blood program scale and scope of activities: Details not provided

Appendix: 2023 Global Mapping survey

Is your National Society involved in the blood program activities listed below?



Community education and advocacy

Community education and advocacy for voluntary blood donation?

What strategies does the NS blood program use?

- Media?
- Printing and disseminating materials?
- World Blood Donor Day?
- Other



Donor recruitment and retention

Provision of pre and post donation care information to donors?

Blood donor recruitment and retention?

- Strategy for blood donor recruitment and retention planning?
- Donor recruitment and retention activity funding?
- Paid positions (staff) for donor recruitment and retention?
- Number of donors recruited / registered to donate by the NS?

What strategies does the NS blood program use for donor recruitment?

- Outreach / mobiles?
- Pre-donation education talks / seminars?
- Volunteer engagement?
- Schools / university engagement?
- Targeting youth?
- Targeting businesses?
- Radio / tv?
- Social media?

What strategies does the NS blood program use to encourage donor retention?

- Donor clubs?
- Loyalty programs?
- Personalised sms / email?
- Booking service when donating?

Appendix: 2023 Global Mapping survey

Is your National Society involved in the blood program activities listed below?



Blood collection and processing

Blood donor interview (including medical health assessment for donation suitability)?

Blood collection (phlebotomy)?

- Proportion (%) of the overall national blood supply?
- Number of fixed collection sites?
- Proportion (%) whole blood collections donated at fixed collection sites?
- Total number of individual donors who made a whole blood and/or apheresis donation?
- Number of new donors?
- Number of repeat / regular donors?
- Total number of collections?
- Number of whole blood collections?
- Number of plasmapheresis collections?
- Number of plateletpheresis collections?
- Number of red cell apheresis collections?
- Number of other collection types?
- Percentage (%) voluntary non-remunerated blood donors for all collection types?

Processing of blood into separate components?

- Red cells?
- Plasma?
- Platelets?
- Cryoprecipitate?
- Fresh Frozen Plasma ?

Pathogen reduction of any blood components?

Blood screening tests?

Post donation counselling of blood screening test results?



Pre-transfusion testing

Distribution of blood to hospitals / clinics?

Crossmatching / compatibility testing for transfusion?

Transfusion of blood products?

Appendix: 2023 Global Mapping survey

Is your National Society involved in the blood program activities listed below?



Fractionation and other activities

Fractionation activities:

- Provide plasma to an external fractionator?
- Operate a fractionation facility to manufacture plasma derived medicinal products?

Other activities:

- Therapeutic collection of whole blood / plasma?
- Cord blood banking?
- Peripheral blood stem cells?
- Bone marrow?
- Solid organ transplants?
- Cornea?
- Other biomedical?
- Other?

Overview of National Society blood program activities



National Society background

Structure of your NS blood program activities:

- National / decentralised?
- Separate / hospital based / both?

Relevant history for your NS blood program establishment?

Overall picture of the NS blood program scale and scope of activities?

Appendix: 2023 Global Mapping survey

Overview of country blood program activities

Who is responsible for blood program provision in the country? *(e.g. government, Red Cross or Red Crescent, private organisations, or a mix of these)*

How is the blood program coordinated in the country? *(e.g. at a national level, or regionally / district level)*

How many centres are there nationally (from all providers?) #fixed blood collection centres; # blood testing / processing centres

Does your country have a national authority responsible for regulating blood program activities? If yes, please provide name and link to website

Does your country have technical standards / guidelines specific for blood programs? If yes, please provide name and link to website

Is there a national haemovigilance program that monitors adverse reactions to blood products and untoward effects of blood donation?

How is the blood program funded in the country? *(e.g. government, service cost recovery from patients, service cost recovery from insurers, other, mix)*

Proportion (%) of total blood collections from different donor types in the country? (VNRBD, replacement, paid, other)

Does the amount of blood collected in the country meet the national demand for blood?

Is plasma fractionated into plasma derived medicinal products in the country? *(eg Albumin, Factor VIII)*

What are the most common blood uses in the country? *(e.g. cancer, maternal / child health, trauma)*

Any significant challenges for the national blood program? *(e.g. disasters, infectious disease risk, changes in donor behaviour)*

Any relevant history for national blood program establishment and/or significant changes/impacts?

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