

**SUPPLY OF BLOOD
FOR TRANSFUSION IN
LATIN AMERICAN
AND CARIBBEAN
COUNTRIES**

2016-2017

PAHO



**Pan American
Health
Organization**



**World Health
Organization**
REGIONAL OFFICE FOR THE
Americas

SUPPLY OF BLOOD
FOR TRANSFUSION IN
LATIN AMERICAN
AND CARIBBEAN
COUNTRIES

2016-2017



Washington, D.C.
2020

Supply of Blood for Transfusion in Latin America and Caribbean Countries 2016-2017

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COUNTRY CODES

AIA	Anguilla	GRD	Grenada
ATG	Antigua and Barbuda	GLP	Guadeloupe
ARG	Argentina	GTM	Guatemala
ABW	Aruba	GUY	Guyana
BHS	Bahamas	HTI	Haiti
BRB	Barbados	HND	Honduras
BLZ	Belize	JAM	Jamaica
BMU	Bermuda	MTQ	Martinique
BOL	Bolivia (Multinational State of)	MEX	Mexico
BRA	Brazil	MSR	Montserrat
VGB	British Virgin Islands	NIC	Nicaragua
CYM	Cayman Islands	PAN	Panama
CHL	Chile	PRY	Paraguay
COL	Colombia	PER	Peru
CRI	Costa Rica	KNA	Saint Kitts and Nevis
CUB	Cuba	LCA	Saint Lucia
CUW	Curaçao	VCT	Saint Vincent and the Grenadines
DMA	Dominica	SUR	Suriname
DOM	Dominican Republic	TCA	Turks and Caicos Islands
ECU	Ecuador	TTO	Trinidad and Tobago
SLV	El Salvador	URY	Uruguay
		VEN	Venezuela (Bolivarian Republic of)

LIST OF ABBREVIATIONS

APH-PL	Apheresis platelets	HTLV	Human T cell lymphotropic virus
APH-RBC	Apheresis red blood cells	NA	Not applicable
CRYO	Cryoprecipitate	NR	Not reported
FFP	Frozen fresh plasma	PL	Platelets
FP	Frozen plasma	RBC	Red blood cells
HBsAg	Hepatitis B virus surface antigen	UBAT	Units of blood available for transfusion
HCV	Hepatitis C virus	WB	Whole blood
HIV	Human immunodeficiency virus		

SUMMARY

This document presents the data on availability, safety and use of blood and its components collected in 18 Caribbean countries and 18 Latin American countries. The results, in contrast to the data reported for 2014-2015, reflect an increase in blood collection in both the Caribbean and Latin America, where the regional average of blood units collected increased from 15 to 17 units per 1,000 population. These data indicate an increase in the availability of blood and blood components. Moreover, it was identified that the donation rate in the Region increases in a manner directly proportional to each country's income level, from less than two units per 1,000 population in low-income countries to 21 units per 1,000 population in high-income countries. In Latin America, a slight reduction is observed in the number of processing centers relative to the number reported in 2015. However, in the case of blood banks with annual processing higher than 5,000 units, no variation was observed between 2015 and 2017.

In contrast to the notable increase in the number of blood units collected, the percentage of donors that were volunteers increased slightly, from 44.2% in 2015 to 46.1% in 2017. In 2017, the Region obtained more than 1.6 million blood units from regular volunteer donors, which represents 34.9% of voluntary donations.

In 2017, a slight predominance of male (58.6%) relative to female (41.4%) donors is observed. More than 70% of the Region's blood donors are less than 44 years old. In both years analyzed, the predominant groups of donors were 24-44-year-olds (38.1% in 2016 and 41.9% in 2017), followed by those under 24 years of age (37.5% in 2016 and 30.6% in 2017).

With regard to screening coverage, all Latin American countries that reported data for 2016 and 2017 were able to achieve universal screening for the transfusion-transmitted infections (TTIs) recommended by PAHO/WHO (i.e., HIV, HBV, HCV, syphilis, and *T. cruzi*). In the Caribbean, only one country did not achieve universal screening for the HCV marker.

With regard to the deferral of donors, causes associated with medical disorders were the most prevalent, followed by deferral due to alcohol consumption habits, presence of tattoos and low hemoglobin.

In both years, there were similar causes for the disposal of blood units, limiting the availability of units of blood for transfusion (UBAT). The principal causes included insufficient volume, failed extraction, self-exclusion by the donor post-donation, open circuit, damaged bags, lipidemia, hemolysis, and loss of the cold chain between the extraction point and the processing center (68.4% in 2016 and 70.7% in 2017), followed by expiration (23.9% in 2016 and 25.9% in 2017) and, in a smaller proportion, reactivity to infectious markers (5.4% in 2016 and 5.7% in 2017).

With regard to mechanisms for the monitoring and control of blood systems, greater compliance with guidelines was observed among donors and the existence of performance evaluation programs for serology and TTI and inspection and hemovigilance programs was documented.

INTRODUCTION

This document updates the information found in *Supply of blood for transfusion in Latin American and Caribbean countries, 2014 and 2015*. Both documents present indicators on the availability, safety, and use of blood and blood components, as well as the organization of national blood systems.

The information presented in this document is based on the data provided by health authorities for 2016 and 2017. Information for both years was received from 18 countries and territories in the Caribbean and 18 countries in Latin America. The statistical data were compiled through a standard Excel form that was sent to countries.

The data consolidated and analyzed here make it possible to monitor and periodically report to Governing Bodies on progress and limitations in implementing the Plan of Action for Universal Access to Safe Blood 2014-2019 (CD53/6), approved in October 2014. The Plan has four strategic lines:

- effective and sustainable integration of national blood programs and services into the national health system to achieve self-sufficiency, safety, efficiency, availability, and universal access to blood and blood products;
- self-sufficiency in safe blood and blood products through 100% voluntary non-remunerated donations;
- quality management in the national blood system and screening for transfusion transmitted infections;
- health surveillance, hemovigilance, risk management, monitoring, and evaluation

The results presented here provide an overview of aspects related to coverage, access to and availability of safe blood, compliance with serological screening for infectious diseases, fractionation into components, and mechanisms for the orientation, surveillance and control of the entire process. This makes it possible to better characterize the donation, processing, and use of blood in the Region and subregions through a comparative analysis for the two reporting years.

It is anticipated that this publication will continue to be a reference for national authorities to monitor the performance of their national plans for access to safe blood, in the context of the blood systems of the countries in the Region of the Americas.

This publication should also serve professionals working in this field and other people and institutions involved in voluntary blood donation, with the objective of achieving safe blood that is sufficient for and accessible to the patients who require it.

1 GLOBAL DESCRIPTION OF BLOOD COLLECTION

According to the information reported by 36 countries for the years 2016 and 2017, there were 20,939,468 blood donations. Of these, 49.6% (10,385,927) correspond to 2016 and 50.4% (10,553,541) to 2017, representing very similar behavior for both years, with a slight increase in 2017 (0.8%), when 167,164 additional units were collected. It should be considered that for the Andean subregion, one of the countries reported no data.

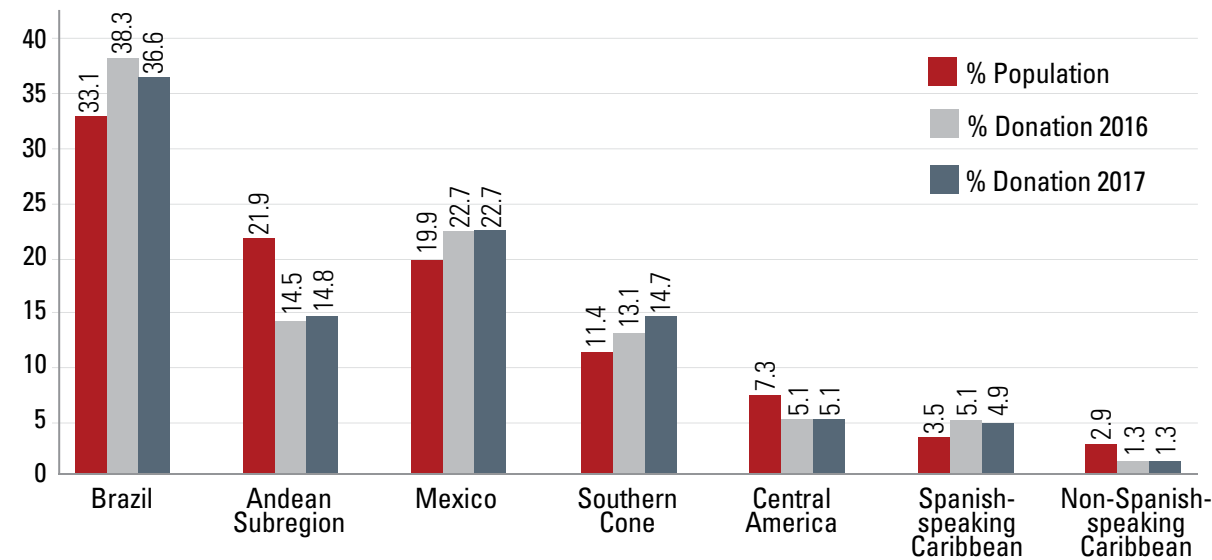
These donations came from non-remunerated, family or replacement volunteers and, in very few cases, from remunerated volunteers. The percentage of units obtained using phlebotomy was 98.0% in 2016 and 98.9% in 2017.

Table 1. Estimated total of blood units collected by Latin American and Caribbean countries for the 2016 2017 period

Region	Number of units collected by procedure				Total per year		Total
	Phlebotomy		Apheresis		2016	2017	
	2016	2017	2016	2017			
Mexico	2,356,388	2,394,836	0	0	2,356,388	2,394,836	4,751,224
Central America	518,895	532,526	12,352	3,088	531,247	535,614	1,066,861
Spanish-speaking Caribbean	510,848	517,083	13,711	0	524,559	517,083	1,041,642
Non-Spanish-speaking Caribbean	133,738	135,585	347	508	134,085	136,093	270,178
Andean Subregion	1,428,929	1,512,395	76,574	46,370	1,505,503	1,558,765	3,064,268
Brazil	3,892,753	3,860,850	82,479	0	3,975,232	3,860,850	7,836,082
Southern Cone	1,334,109	1,486,050	24,804	64,250	1,358,913	1,550,300	2,909,213
Total	10,175,660	10,439,325	210,267	114,216	10,385,927	10,553,541	20,939,468

In both 2016 and 2017, Brazil had the highest percentage of donations, with 38.3% in 2016 and 36.6% in 2017; and Mexico has the second highest, with 22.7% for each of the two years. These data reflect that fact that these two countries are the most populated in Latin America and Caribbean. The Andean subregion is in third place, with 14.5% for 2016 and 14.8% for 2017. The Southern Cone countries are in fourth place, with contributions of 13.1% for 2016 and 14.7% for 2017. The Central American subregion countries contributed 5.1% for the mentioned years; the Spanish-speaking Caribbean represents 5.1% in 2016 and 4.9% in 2017; and the non-Spanish-speaking Caribbean contributed 1.3% for each of the two years.

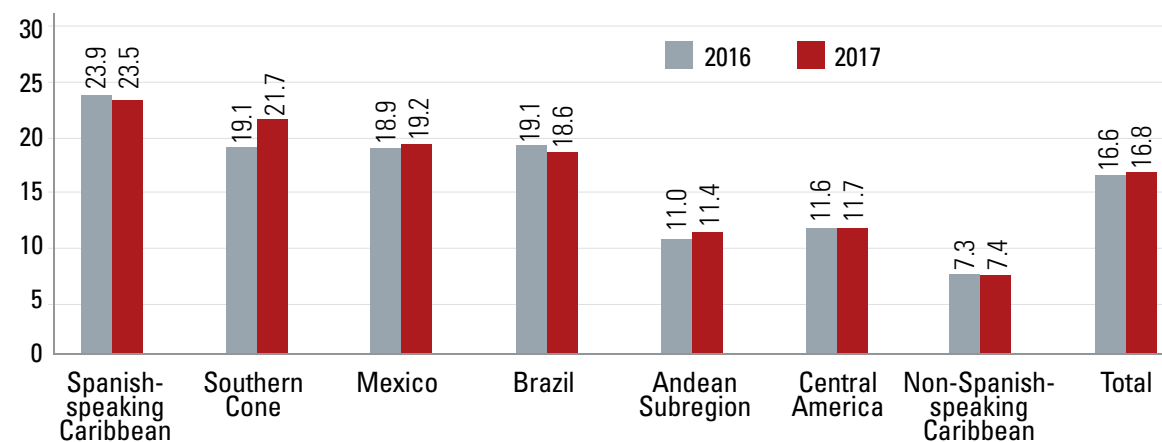
Figure 1. Subregional distribution of blood donations relative to the population, 2016 - 2017



For the period analyzed, the highest donation rate corresponds to the Spanish-speaking Caribbean, with 23.9 per 1,000 population in 2016 and 23.6 in 2017, both higher than the regional rate (16.6 per 1,000 population in 2016 and 16.8 in 2017). The other countries and regions followed: the Southern Cone (19.1 and 21.7), Mexico (18.9 and 19.2), Brazil (19.1 and 18.6), the Andean subregion (11.0 and 11.4), Central America (11.6 and 11.7), and finally, the non-Spanish-speaking Caribbean (7.3 and 7.4).

Very similar values are observed in both years studied, at the regional and subregional levels, with slight increases in the Southern Cone, the Andean subregion, Mexico, the non-Spanish-speaking Caribbean, and Central America in 2017, and slight reductions in Brazil and the Spanish-speaking Caribbean.

Figure 2. Donation rate by subregion, 2016 - 2017



For countries, the donation rate ranged from 2.4 to 39.7 per 1,000 population in 2016 and from 2.6 to 35.0 per 1,000 population in 2017. Rates below the regional average were documented in 70.3% of countries in 2016 and 64.9% in 2017.

Figure 3. Number of blood donations per 1,000 population, by country and PAHO subregion, 2016

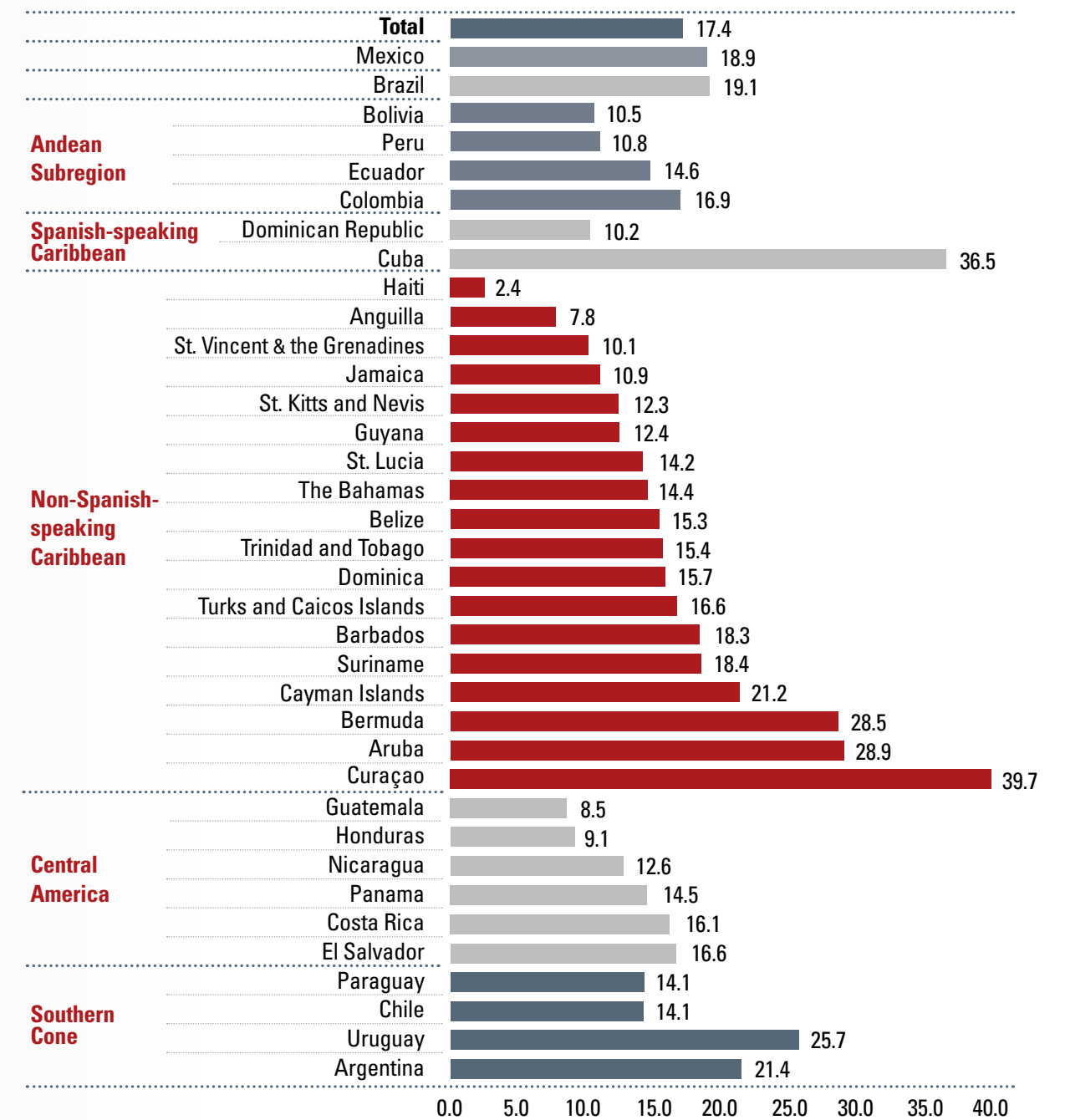


Figure 4. Number of blood donations per 1,000 population, by country and PAHO subregion, 2017

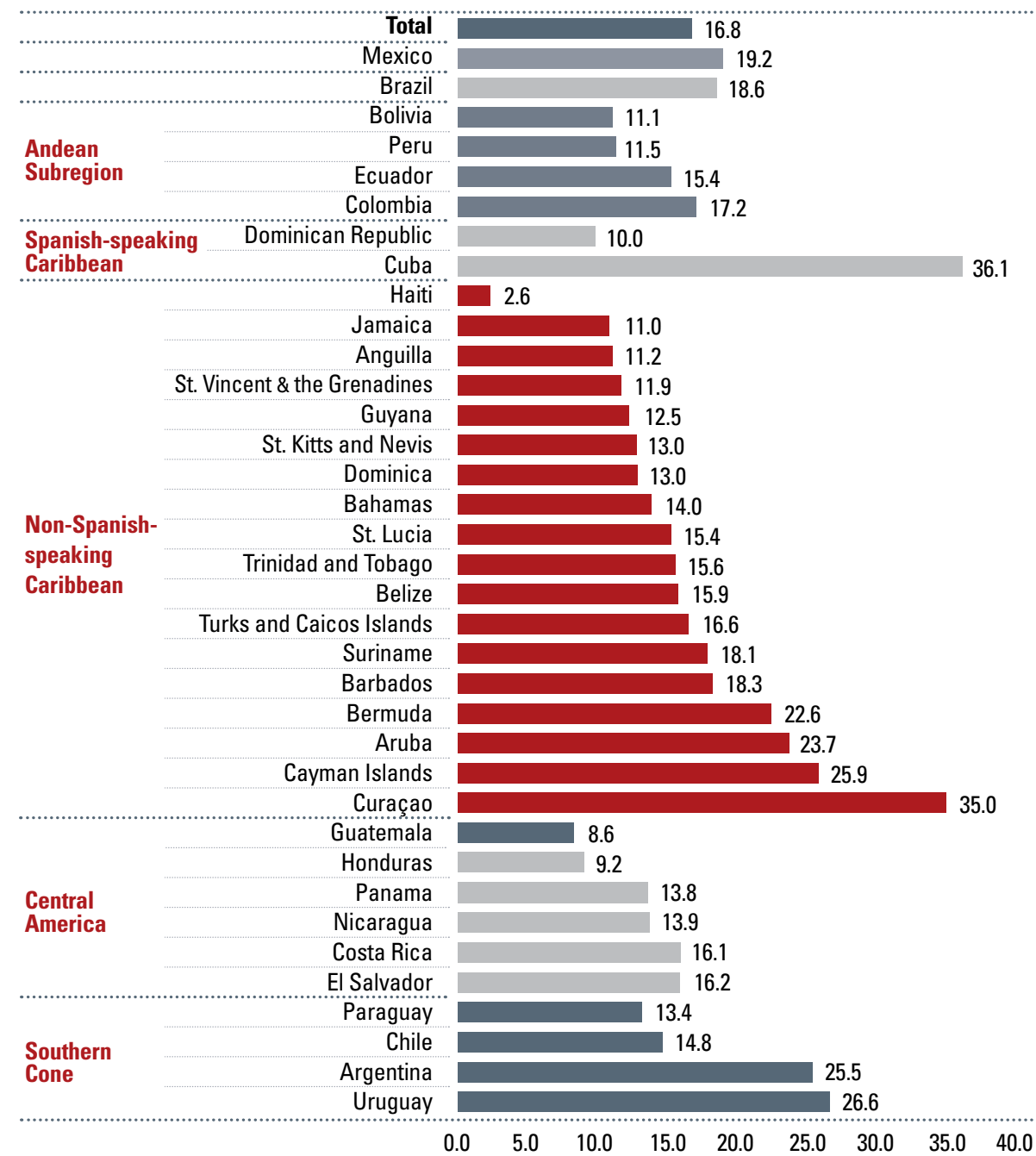


Table 2. Blood units collected in 2017, by income level and population

Income level	Units 2017	Population 2017	% of Total population 2017	% of Total donations 2017	Rate 2017
High	1,560,517	71,120,617	11.3	14.8	21.9
Upper middle	8,578,002	482,553,673	81.8	81.3	17.8
Lower middle	387,004	31,935,302	5.1	3.7	12.1
Low	28,018	10,749,642	1.7	0.3	2.6
Total	10,553,541	596,359,234	100	100	17.7

When comparing the donation rate to the distribution of countries by income level, it is observed that the donation rate increases in a manner directly proportional to the country's income level, with the highest donation rates in the highest income strata.

2 COLLECTION OF BLOOD COMPONENTS THROUGH THE APHERESIS PROCEDURE

The collection method that predominated in both 2016 and 2017 is whole blood, with 98.0% and 98.9%, respectively. A slight reduction was seen in the use of the apheresis procedure, which declined from 2.0% in 2016 to 1.1% in 2017.

In 2016, the percentage of blood units obtained through apheresis ranged between subregions, with 0.3% in the non-Spanish-speaking Caribbean and 5.1% in the Andean subregion. In 2017, the greatest difference observed was between the non-Spanish-speaking Caribbean (0.4%) and the Southern Cone (4.1%). The subregions where no units were obtained using this method were Mexico, in 2016 and 2017, and Brazil and the Spanish-speaking Caribbean in 2017.

Table 3. Blood units obtained according to the collection method, by subregion, 2016-2017

Region	2016		2017		2016		2017	
	Whole Blood	Apheresis	Whole Blood	Apheresis	% Whole Blood	% Apheresis	% Whole Blood	% Apheresis
Spanish-speaking Caribbean	510,848	13,711	517,083	0	97	2.6	100	0
Non-Spanish-speaking Caribbean	133,738	347	135,585	508	99.7	0.3	99.6	0.4
Central America	518,895	12,352	532,526	3088	97.7	2.3	99.4	0.6
Mexico	2,356,388	0	2,394,836	0	100.0	0.0	100.0	0.0
Brazil	3,892,753	82,479	3,860,850	0	97.9	2.1	100.0	0.0
Southern Cone	1,334,109	24,804	1,486,050	64250	98.2	1.8	95.9	4.1
Andean Subregion	1,428,929	76,574	1,512,395	46370	94.9	5.1	97.0	3.0
Total	10,175,660	210,267	10,439,325	114216	98.0	2.0	98.9	1.1

The percentage of donations obtained through phlebotomy was similar for all income levels. Collection through apheresis was higher in high-income countries, where an increasing trend was observed, from 2.2% to 4.1%. A direct proportional relationship was observed between the income level and use of the apheresis procedure.

Table 4. Blood units obtained according to the collection method, by income level, 2016-2017

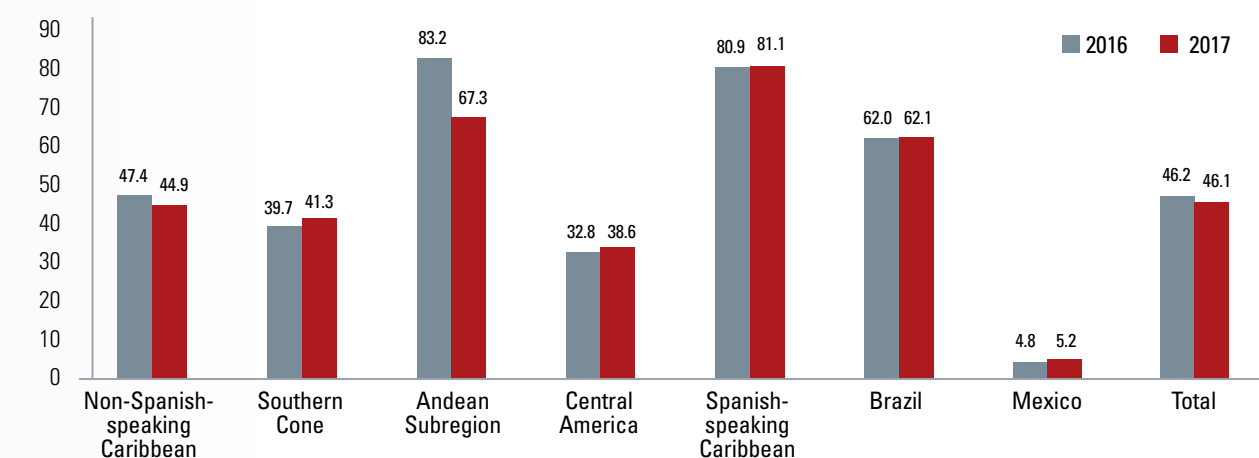
Income level	2016		2017		2016		2017	
	Whole Blood	Apheresis	Whole Blood	Apheresis	% Whole Blood	% Apheresis	% Whole Blood	% Apheresis
High	1,338,658	29,754	1,495,759	64,758	97.8	2.2	95.9	4.1
Upper middle	8,439,361	178,776	8,528,895	49,107	97.9	2.1	99.4	0.6
Lower middle	371,942	1,737	386,653	351	99.5	0.5	99.9	0.1
Low	25,699	0	28,018	0	100	0	100	0
Total	10,175,660	210,267	10,439,325	114,216	98.0	2.0	98.9	1.1

2.1 TYPES OF BLOOD DONATIONS

In Latin America and the Caribbean, voluntary and non-remunerated donations accounted, on average, for 46.1% of donations over the two years analyzed. By subregion, the lowest percentage was reported in Mexico, with 4.8% in 2016 and 5.2% in 2017. Central America reported an average of 33.2% voluntary donations, followed by the Southern Cone with 39.7% in 2016 and 41.3% in 2017. The data were similar for the non-Spanish-speaking Caribbean (47.4% in 2016 and 44.9% in 2017). The highest percentages of voluntary donations were identified in Brazil (62.0% in 2016 and 62.1% in 2017), the Andean subregion (83.2% in 2016 and 67.3% in 2017) and the Spanish-speaking Caribbean (81.0% in 2016 and 81.1% in 2017).

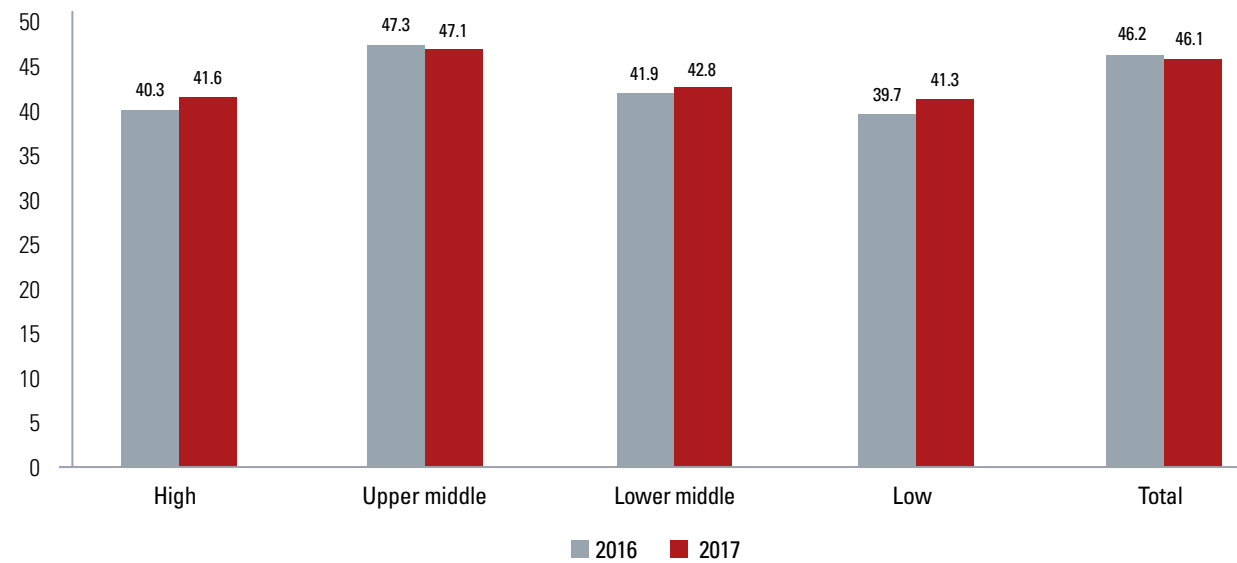
Sixteen countries were identified where voluntary donations surpassed the regional average of 46.1% for both years: Anguilla, Argentina, Costa Rica, Ecuador, Saint Lucia, and Uruguay. Other countries such as, Aruba, Bermuda, Colombia, Cuba, Curaçao, Guyana, Nicaragua, Turks and Caicos Islands, Cayman Islands, and Suriname surpassed 90% voluntary donations. In seven countries, the percentage of voluntary donations was less than 10%: Saint Kitts and Nevis and Saint Vincent and the Grenadines (non-Spanish-speaking Caribbean); Guatemala and Panama (Central America); Mexico; Peru (Andean subregion); and the Dominican Republic (Spanish-speaking Caribbean).

Figure 5. Proportion of donations that were voluntary and non-remunerated, by PAHO subregion, 2016-2017



When the data are broken down by income level, the results are relatively uniform across levels and similar to the regional average. The highest percentages of voluntary donations correspond to the upper middle-income level (47% on average for the two years), followed by the middle-low level (42.4%), high (41%), and low (40.5%).

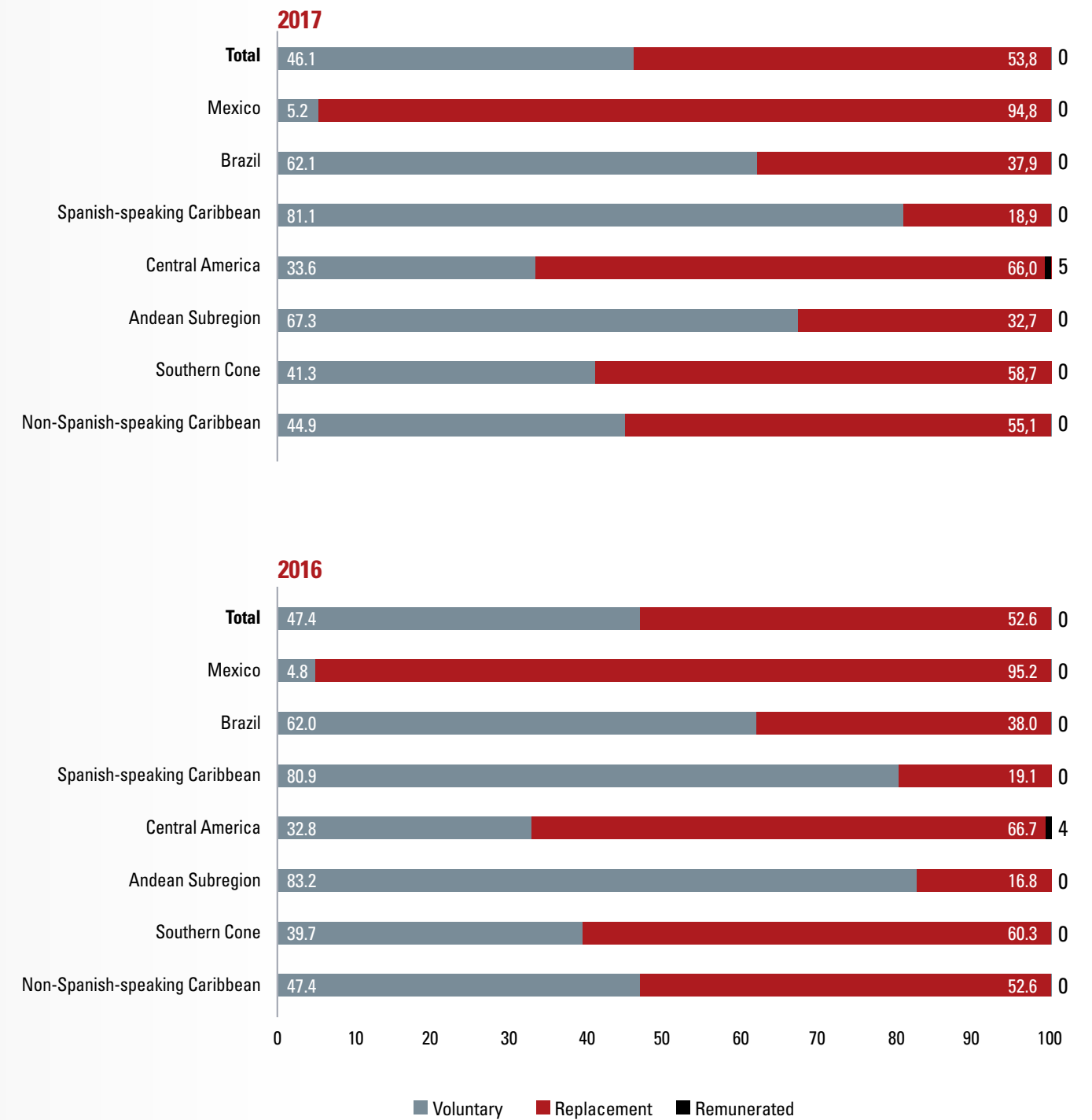
Figure 6. Proportion of donations that were voluntary and non-remunerated, by income levels as defined by the World Bank, 2016-2017



In the Latin American and Caribbean region, replacement allogeneic donations predominated in both 2016 and 2017, with 53.8% and 52.6% of total donations, respectively. In both years analyzed, the percentage of allogeneic donations that were replacement was documented at greater than 50% in Mexico (95.2% and 94.8%), Central America (66.7% and 66.0%), the Southern Cone (60.3% and 58.7%), and the non-Spanish-speaking Caribbean (52.6% and 55.1%). Voluntary allogeneic donations predominated in the Andean subregion (83.2% and 67.3%), the Spanish-speaking Caribbean (80.9% and 81.1%), and Brazil (62.0% and 62.1%).

The results were very uniform for both the region and subregions, except for the Andean subregion, where a notable reduction was observed in voluntary allogeneic donations from one year to the next.

Figure 7. Types of allogeneic donations, by PAHO region, 2017 and 2016



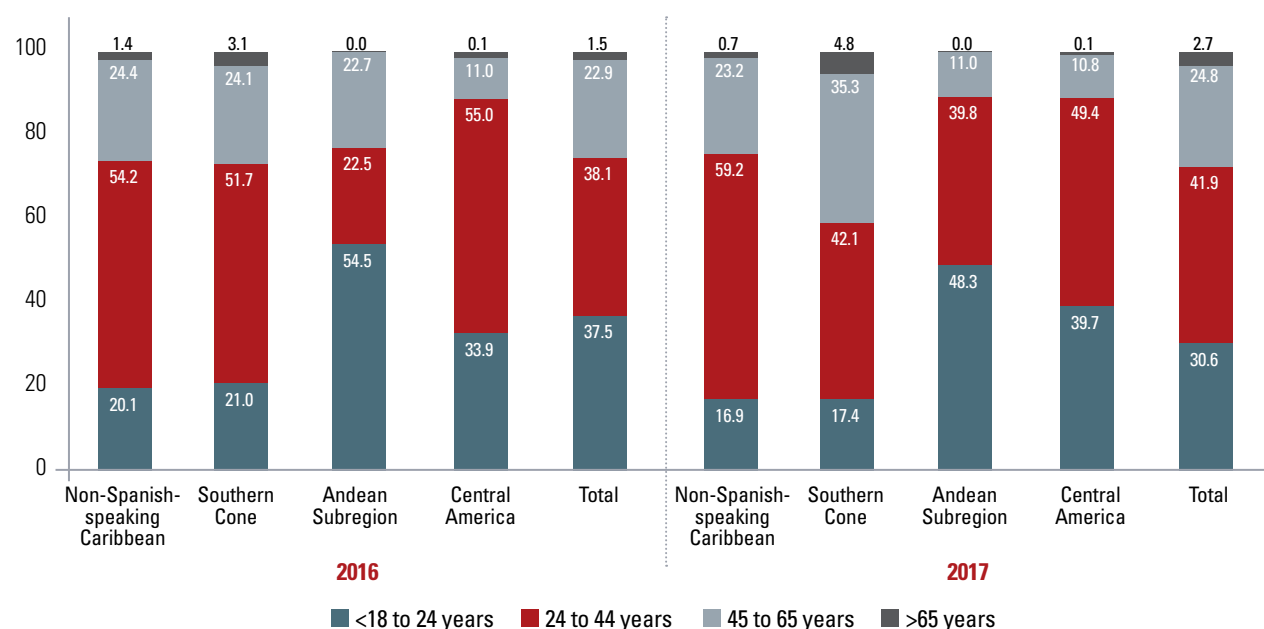
2.2 BLOOD DONOR PROFILE

2.2.1 Sex and age of donors

In the region, there were slightly more male donors in both 2016 (58.8%) and 2017 (58.6%), with a ratio of 1.4 male-to-female donors. Analysis by subregion reveals a similar pattern, with a predominance of male donors at a male-to-female ratio ranging from 1.1 in the Southern Cone to 2.1 in the non-Spanish-speaking Caribbean in 2016. For 2017, the male-to-female ratio for donors ranged from 1.1 in the Andean subregion and Southern Cone to 3.0 in the Spanish-speaking Caribbean. Mexico did not report these data.

With regard to donor age, in both years analyzed, the 24-44-year-old group predominated, with 38.1% in 2016 and 41.9% in 2017. The next most common group was donors under age 24, with 37.5% in 2016 and 30.6% in 2017. The 45-65-year-old group represented 22.9% of the region's donors in 2016 and 24.8% in 2017. The least common age group was those over 65 years, who represented 1.5% of donors in 2016 and 2.7% in 2017.

Figure 8. Donors by age group and subregion



The analysis by subregion shows uniformity with the regional data for the non-Spanish-speaking Caribbean, the Southern Cone, and Central America, where the predominance of the 24-to-44-year-old age group exceeded 50% in 2016 and 40% in 2017. In the Andean subregion, the under-24 age group predominated in 2016 (54.6%) and 2017 (49.3%).

The proportion of donors represented by the 45-to-65-year-old age group in the non-Spanish-speaking Caribbean was very uniform for both years (24.4% in 2016 and 23.2% in 2017). A similar situation was observed in Central America (11.0% in 2016 and 10.8% in 2017), while in the Southern Cone, this age group experienced an increase, from 24.1% in 2016 to 35.6% in 2017.

The over-65 age group represents less than 5% of total donors in all subregions. The Southern Cone is the subregion where this percentage is highest (3.1% in 2016 and 4.8% in 2017), followed by the non-Spanish-speaking Caribbean (1.4% in 2016 and 0.7% in 2017), Central America (0.1% for each of the two years), and the Andean subregion (0% contribution from this age group).

2.2.2 First time and repeat donors

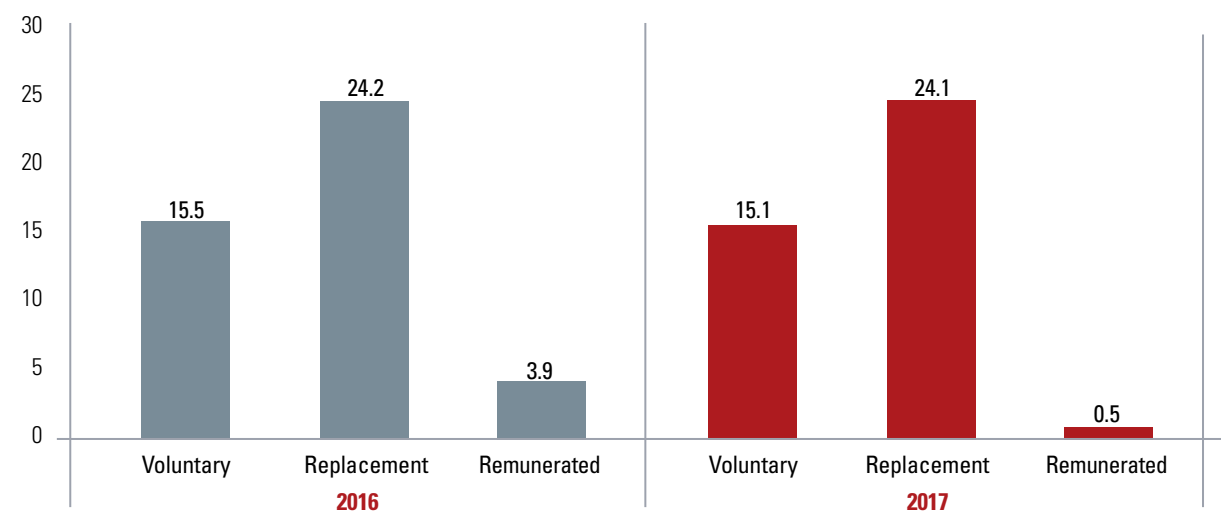
During 2017 in the Region, more than 1.6 million blood units were obtained from regular or repeat volunteer donors, who represented 34.9% of voluntary donations. However, a predominance of first-time donors (55.0%) was identified. At the subregion level, this predominance of first-time donors was also observed in the Andean subregion (63.9%), Brazil (60.4%), and the Southern Cone (54.1%). The Spanish-speaking Caribbean had the opposite situation: a greater presence of repeat donors was observed (58.9%). No comparative analysis between years could be done, due to 70% missing data for 2016. Likewise, no data for 2017 were analyzed for Central America, the non-Spanish-speaking Caribbean, or Mexico.

Table 5. Voluntary, non-remunerated donors, by first time/repeat donation and PAHO subregion, 2016 - 2017

Subregion	2016			2017		
	First time	Repeat	Without data	First time	Repeat	Without data
Non-Spanish-speaking Caribbean	8.8	29.0	62.2	7.5	19.7	72.9
Southern Cone	19.5	70.1	10.4	54.1	37.7	8.3
Andean Subregion	63.4	18.2	18.4	63.9	18.8	17.3
Brazil			100	60.4	39.6	0
Central America	26.9	30.3	42.8	29.7	30.8	39.4
Spanish-speaking Caribbean			100	39.3	58.9	1.8
Mexico			100	0	0	100
Total	16.7	13.2	70.0	55.0	34.9	10.1

2.2.3 Donor deferral

In the region, the deferral of replacement donors predominated (24.15% on average for the two years analyzed), followed by deferral of voluntary donors (15.4%) and finally, remunerated donors (3.9% in 2016 and 0.5% in 2017). The same pattern was observed for all subregions, except for the Spanish-speaking Caribbean, where 100% of deferrals were reported in remunerated donors.

Figure 9. Deferral rate by type of donor, 2016 - 2017

In 2016, the percentage of replacement donors that were deferred ranged from 10.9% in the Southern Cone to 29.6% in Mexico. In the case of voluntary donors, the deferral percentage was 0.1% in Mexico, followed by 4.2% in the Southern Cone, 4.9% in the Spanish-speaking Caribbean, 12.8% in Central America, 13.4% in the non-Spanish-speaking Caribbean, 16.6% in the Andean subregion, and 19.4% in Brazil.

In 2017, the percentage of replacement donors that were deferred ranged from 1.1% in the Spanish-speaking Caribbean to 29.7% in Mexico. Percentages over 20% were obtained in Brazil (20.2%), Central America (22.1%), the Andean subregion (26.3%), and the non-Spanish-speaking Caribbean (29.4%). The Southern Cone, with an average deferral of 16.1%, and the Spanish-speaking Caribbean, were the only subregions with a proportion lower than 20%.

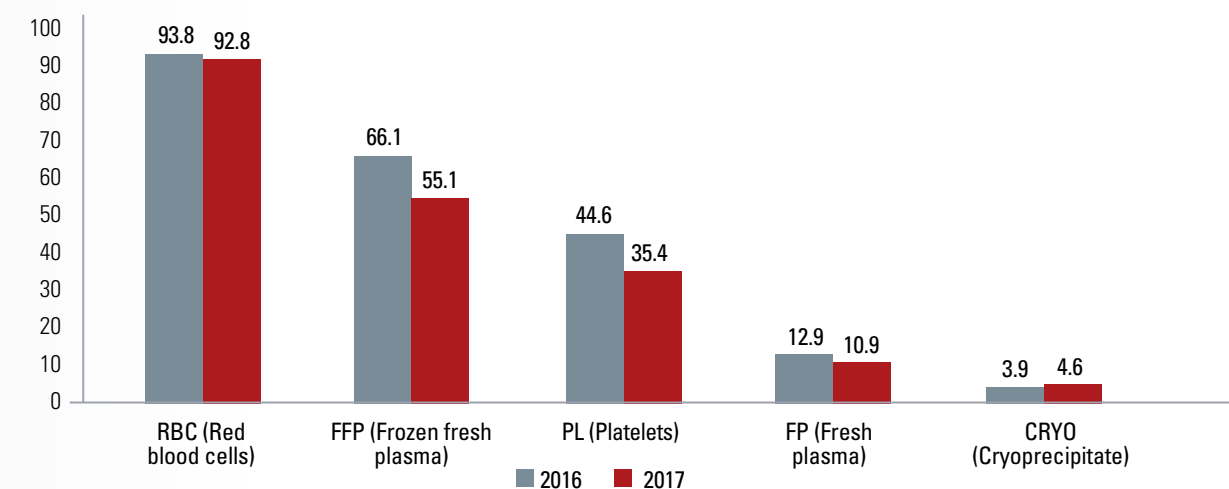
With regard to the deferral of voluntary donors in 2017, Mexico had the lowest deferral percentage (0.1%, the same as for 2016) and Brazil had the highest (19.1%). The Spanish-speaking Caribbean (2.9%) and the Southern Cone (5.3%) had a low deferral percentage. For voluntary donors, Central America presented a deferral percentage of 14.35% the Andean subregion, 16.9%, and the non-Spanish-speaking Caribbean, 16.2%.

Table 6. Deferral by type of donor, by PAHO subregion, 2016-2017

Subregion	2016			2017		
	Voluntary	Replacement	Remunerated	Voluntary	Replacement	Remunerated
Non-Spanish-speaking Caribbean	13.4	27.7	0	16.2	29.4	0
Southern Cone	4.2	10.9	0	5.3	16.1	0
Andean Subregion	16.6	25.3	0	16.9	26.3	0
Central America	12.8	22.5	0.5	14.4	22.1	0.5
Spanish-speaking Caribbean	4.9	21.8	0	2.9	1.1	0
Brazil	19.4	20.3	0	19.1	20.2	0
Mexico	0	29.6	0	0.1	29.7	0
Total	15.6	24.2	3.9	15.1	24.1	0.5

3 PROCESSING OF WHOLE BLOOD INTO COMPONENTS

In the region, the component obtained in the greatest proportion is red blood cells, with 93.8% for 2016 and 92.8% for 2017. This is followed by frozen fresh plasma, blood platelets, frozen plasma, and cryoprecipitate. A reduction in the percentage of separation into components was observed between 2016 and 2017.

Figure 10. Median of percentage of separation into components in the region, 2016-2017

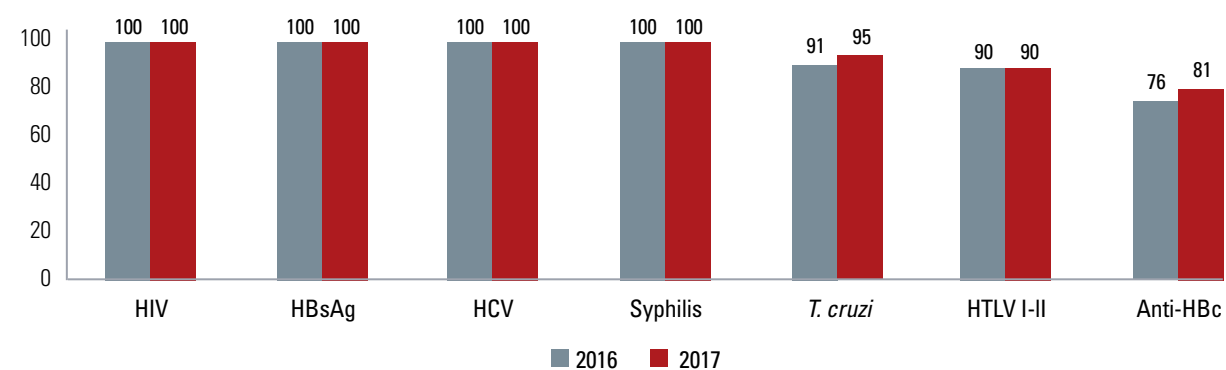
Red blood cells were the component with the highest percentage of separation at the regional level for both years. Percentages over 90% were observed in Central America, the Southern Cone, the Andean subregion, and the non-Spanish-speaking Caribbean. Mexico experienced a notable reduction, from 93.3% in 2016 to 74.8% in 2017. Brazil had percentages of 88.5% and 89.1% and the lowest result was found in the Spanish-speaking Caribbean. Over 50% of countries (20 in 2016 and 23 in 2017) reported $\geq 90\%$ separation of red blood cells.

4 SEROLOGICAL SCREENING

4.1 SCREENING COVERAGE AND QUALITY OF LABORATORY TESTS

At the Regional level, there was full implementation of laboratory tests for the detection of HIV, the hepatitis B virus surface antigen, and antibodies against hepatitis C and syphilis. Regarding testing to detect *T. cruzi*, an increase was observed over the two years, rising from 90.9% in 2016 to 95.2% in 2017 for all endemic countries that need to screen their blood units. For HTLV I-II screening, 90% testing was achieved, and for anti-HBc tests, 76% in 2016 and 81% in 2017.

Figure 11. Regional average screening coverage of blood units collected (%), by infectious marker, 2016-2017



The data reported at the subregional level indicate full coverage for HIV, HBsAg, HCV, and syphilis in all subregions for both years.

In both 2016 and 2017, coverage for HTLV I-II screening tests was 100% in the non-Spanish-speaking Caribbean, the Southern Cone, Brazil, and the Spanish-speaking Caribbean. In Central America, screening coverage for this marker was 78.9% in 2016 and 75.1% in 2017, while in the Andean subregion, it was 52.2% in 2016 and 69.9% in 2017.

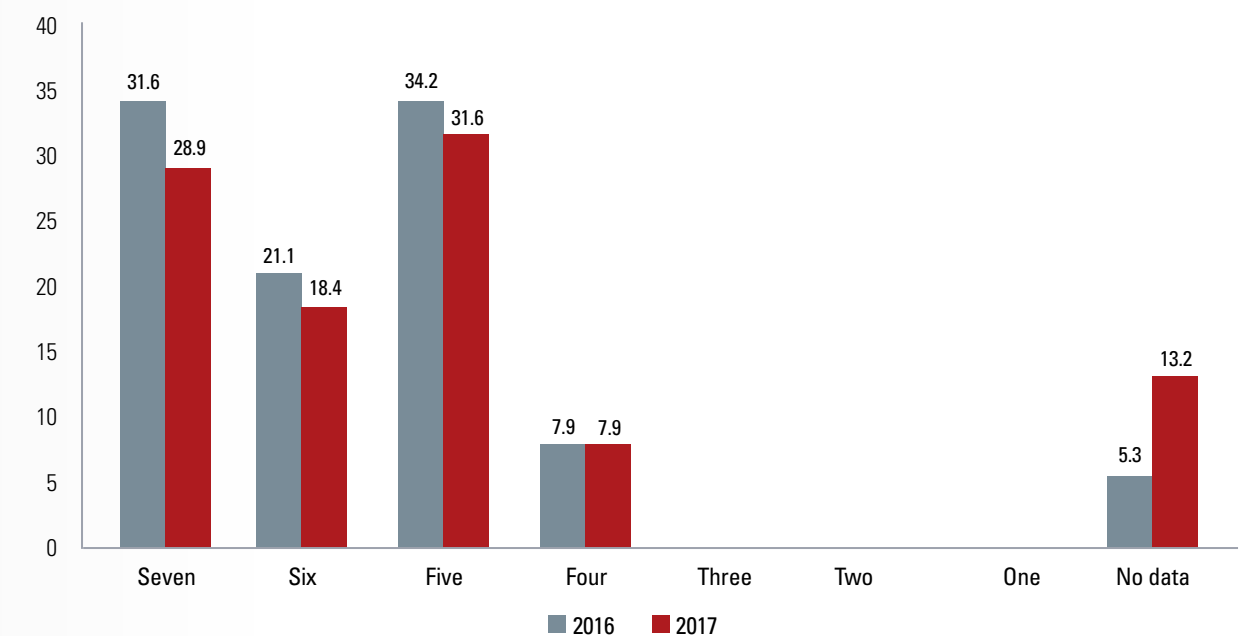
The only subregion with anti-HBc screening coverage of 100% was Brazil, followed by the non-Spanish-speaking Caribbean (100% in 2016 and 93.4% in 2017), the Southern Cone (75.0% in 2016 and 100% in 2017), Central America (74.6% in 2016 and 98.7% in 2017), the Andean subregion (56.3% in 2016 and 75.4% in 2017), and the Spanish-speaking Caribbean (15.0% for both years). Screening coverage for this infectious marker was 0% in Mexico.

When screening coverage for all infectious markers is analyzed, Brazil stands out as the only subregion with 100% implementation of all (7) tests, followed by the non-Spanish-speaking Caribbean, the Southern Cone, Central America, the Andean subregion, the Spanish-speaking Caribbean, and Mexico.

Table 7. Number of infectious markers analyzed, by number of countries

Num. of markers	Num. of countries		% of countries	
	2016	2017	2016	2017
Seven	12	11	31,6	28,9
Six	8	7	21,1	18,4
Five	13	12	34,2	31,6
Four	3	3	7,9	7,9
No data	2	5	5,3	13,2
Total	38	38	100	100

Figure 12. Distribution of countries by the number of markers analyzed (%)

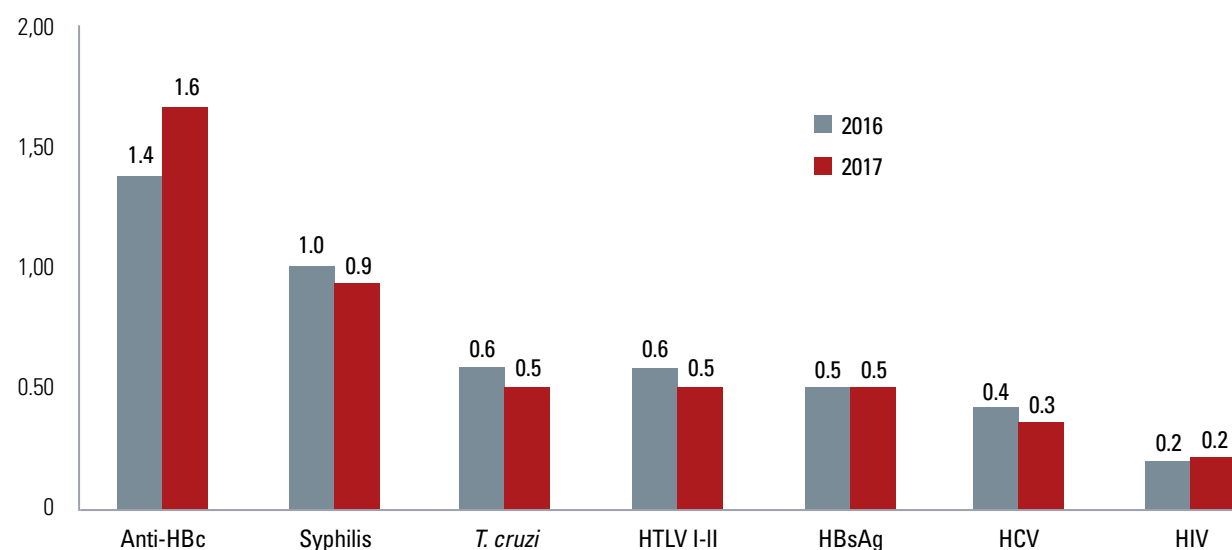


4.2 PREVALENCE OF INFECTIOUS MARKERS IN BLOOD DONATIONS

The infectious marker with the highest prevalence at the regional level was anti-HBc, with 1.6% in 2017 and 1.4% in 2016.

The average prevalence of HIV in the region was 0.2%, which was surpassed by the Andean subregion (0.3%) and Mexico (0.3%). The countries that presented a prevalence of HIV markers higher than the regional and subregional averages were: Ecuador (0.34%), Bolivia (0.31%), Peru (0.25%), and Colombia (0.21%) in the Andean subregion; Brazil (0.25%); Cuba (0.28%) in the Spanish-speaking Caribbean; Guatemala (0.43%) in Central America; and Guyana (0.81%), Haiti (0.57%), the Cayman Islands (0.33%) and Jamaica (0.30%) in the non-Spanish-speaking Caribbean.

Figure 13. Average prevalence of infectious markers



With regard to HBsAg, the average prevalence at the regional level was 0.3% and higher values were reported in: the Dominican Republic (1.12%) and Cuba (0.50%) in the Spanish-speaking Caribbean; Guatemala (0.40%) in Central America; and Saint Kitts and Nevis (3.22%), Haiti (2.80%), Guyana (1.65%), Saint Vincent and the Grenadines (0.83%), Jamaica (0.65%), Bahamas (0.52%), Saint Lucia (0.47%), Trinidad and Tobago (0.54%), and Turks and Caicos Islands (0.43%) in the non-Spanish-speaking Caribbean.

With regard to the infectious marker for HCV, results above the regional average (0.4%) were observed in the Spanish-speaking Caribbean (0.62%) and Mexico (0.53%). Countries with an average prevalence that was higher than the region and subregion were Guyana (1.07%), Cuba (1.06%), Haiti (0.62%), Guatemala (0.56%), Peru (0.52%), Paraguay (0.52%), Jamaica (0.47%), and Saint Kitts and Nevis (0.46%).

The regional prevalence of infectious markers for syphilis for 2016 and 2017 was 0.8%, a value surpassed by the subregions of Mexico (0.9%), Brazil (1.0%), the Andean subregion (1.1), and the Southern Cone (2.1%). Countries with an average prevalence higher than the region and subregion were: Ecuador (1.31%) and Colombia (1.25%) in the Andean subregion; El Salvador (1.37%) and Guatemala (1.2%) in Central America; Haiti (2.06%), Jamaica (1.63%), Barbados (1.47%), and Saint Kitts and Nevis (1.19%) in the non-Spanish-speaking Caribbean; and Paraguay (5.58%) in the Southern Cone.

An average regional prevalence of 0.6% was reported for infectious markers for *T. cruzi*. This value was surpassed in Bolivia (2.11%) in the Andean subregion, which also presented a higher prevalence as a subregion (0.8%). In Central America, El Salvador presented a prevalence of 2.97%, higher than the averages for the subregion (0.9%) and region. The same was observed in Paraguay (1.92%) and Argentina (1.75%) in the Southern Cone (1%), as well as in Guyana (0.96%) in the non-Spanish-speaking Caribbean.

The prevalence of infectious markers for HTLV I-II surpassed the regional and subregional (0.4%) averages in: Peru (0.77%) and Ecuador (0.53%) in the Andean subregion (0.5%); Guatemala (1.4%) in Central America (0.5%); and Saint Vincent and the Grenadines (1.99%), Saint Kitts and Nevis (1.73%), Jamaica (1.47%), Guyana (1.02%), Haiti (0.66%), Saint Lucia (0.52%), Bahamas (0.43%), and Barbados (0.40%) in the non-Spanish-speaking Caribbean (0.7%).

The prevalence of anti-HBc serological markers averaged 1.2% at the regional level. This value was surpassed in Peru (2.88%), which also surpassed the average for the Andean subregion (1.2%), and also in Turks and Caicos Islands (4.20%), Paraguay (4.20%), the Dominican Republic (3.24%), Honduras (1.78%), and Guatemala (1.72%).

Analysis by income level showed that low-income countries present higher prevalence rates for HIV, HBsAg, HCV, and syphilis than the regional average, and higher than the rates for other income levels. In 2016, the lower middle level presented the highest prevalence rates for *T. cruzi* and HTLV I-II. The highest prevalence values for anti-HBc serological markers were found at the high-income level in 2016 (1.57%), and at the upper middle level in 2017 (2.2%). Analysis of the average prevalence of all infectious markers showed the lowest values at the high-income level, followed by the upper middle, lower middle and low levels.

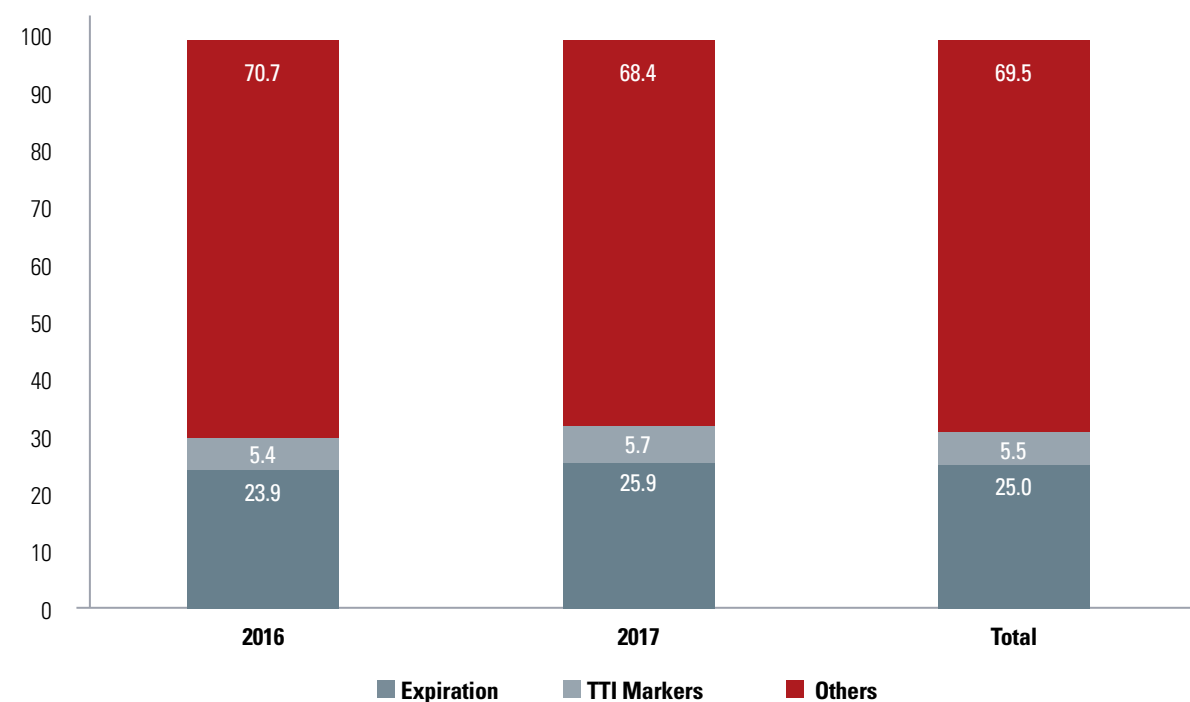
Table 8. Proportion of blood donations with positive results for infectious markers, by income levels as defined by the World Bank, 2016-2017

Income level	2016							2017						
	HIV	HBsAg	HCV	Syphilis	<i>T. cruzi</i>	HTLV I-II	Anti-HBc	HIV	HBsAg	HCV	Syphilis	<i>T. cruzi</i>	HTLV I-II	Anti-HBc
High	0.08	0.48	0.27	0.55	0.08	0.43	1.57	0.11	0.52	0.21	0.61	0.36	0.36	0.71
Upper middle	0.22	0.45	0.39	1.18	0.53	0.51	1.51	0.25	0.45	0.42	1.14	0.72	0.63	2.20
Lower middle	0.18	0.24	0.35	1.04	1.61	1.49	1.18	0.20	0.21	0.28	0.76	1.28	0.18	1.86
Low	0.61	3.26	0.68	2.55	0.00	0.77	0.00	0.53	2.34	0.55	1.57	0.00	0.54	0.00
Total	0.19	0.41	0.40	1.12	0.59	0.42	1.43	0.23	0.36	0.40	1.03	0.53	0.38	1.98

5 DISCARDING OF BLOOD

In both years analyzed, the same distribution of reasons for discarding whole blood is observed, with a predominance of discarding for “other reasons” (between 68.4% and 70.7%), followed by expiration (23.9-25.9%) and, in a small proportion, positivity for infectious markers (5.4-5.7%).

Figure 14. Discarding of whole blood, by reason given, 2016-2017



Regarding the discarding of components, discarding for “other reasons” continues to predominate for both years and all components. Other reasons ranged from 29.2% for the discarding of blood platelets in 2017 to 90.5% for the discarding of frozen plasma in 2016. “Other reasons” was also the leading cause cited in the case of frozen fresh plasma (84.5% in 2016 and 87.4% in 2017), frozen plasma (90.5% in 2016 and 90.0% in 2017), whole blood (80.0% in 2016 and 76.8% in 2017), and

* This includes: insufficient volume, failed extraction/collection, self-exclusion, open circuit, damaged bags, lipemia, hemolysis, loss of the cold chain, among others)

cryoprecipitate (80.2% in 2016 and 55.1% in 2017). Finally, “other reasons” was cited for discarding red blood cells in less than 50% of cases (44.5% in 2016 and 33.3% in 2017), and this was also the case for blood platelets (40.3% in 2016 and 29.2% in 2017).

Table 9. Regional proportion of reasons for discarding blood components, 2016-2017

Component	2016			2017		
	Expiration	Infectious markers	Other reasons	Expiration	Infectious markers	Other reasons
Whole blood	3.5	16.1	80	4.5	18.7	76.8
Red blood cells	39.0	16.4	44.5	49.4	17.3	33.3
Frozen fresh plasma	11.7	3.8	84.5	9.3	3.3	87.4
Frozen plasma	7.9	1.6	90.5	8.6	1.4	90.0
Cryoprecipitate	17.3	2.5	80.2	41.7	3.2	55.1
Blood platelets	56.0	3.6	40.3	65.3	5.4	29.2

Blood platelets were the component discarded most frequently due to expiration, with 56.0% in 2016 and 65.3% in 2017, followed by red blood cells (39.0% in 2016, rising to 49.4% in 2017). In third place is cryoprecipitate, with 17.3% in 2016 and a notable increase to 41.7% in 2017. Discarding of FFP was due to expiration in 11.7% of cases in 2016 and 9.3% in 2017. Components with percentages lower than 10% are frozen plasma (7.9% in 2016 and 8.6% in 2017, respectively) and whole blood (3.5% in 2016 and 4.5% in 2017).

6 TRANSFUSION OF BLOOD AND BLOOD COMPONENTS

The blood component transfused most frequently was red blood cells (RBC) (over 50% for both years: 54.9% in 2016 and 57.0% in 2017), followed by blood platelets (PL) (18.9% in 2016 and a slight increase to 21.6% in 2017), and frozen fresh plasma (FFP) (19.1% in 2016 and 14.0% in 2017).

Finally, components with percentages lower than 5% of total transfusions are: cryoprecipitate (CRYO), blood platelets obtained using apheresis (APH-PL), frozen plasma (FP), whole blood (WB), and red blood cells obtained using apheresis (APH-RBC).

Table 10. Components transfused, 2016-2017

Component	2016	2017	2016	2017
	N.º	N.º	%	%
RBC	6,598,253	5,587,315	54.9	57.0
PL	2,269,353	2,114,175	18.9	21.6
FFP	2,296,535	1,370,667	19.1	14.0
CRYO	366,360	297,543	3.1	3.0
APH-PL	287,100	338,177	2.4	3.5
FP	137,069	61,813	1.1	0.6
WB	53,037	25,391	0.4	0.3
APH-RBC	727	5,026	0.01	0.1
Total	12,008,434	9,800,107	100	100

In Latin America, 10 countries reported the number of patients transfused, with more than 3.4 million recipients. In the non-Spanish-speaking Caribbean, 11 countries reported this information, with more than 20,000 recipients.

7 GOVERNANCE MECHANISMS

7.1 MONITORING SAFE AND APPROPRIATE BLOOD TRANSFUSION

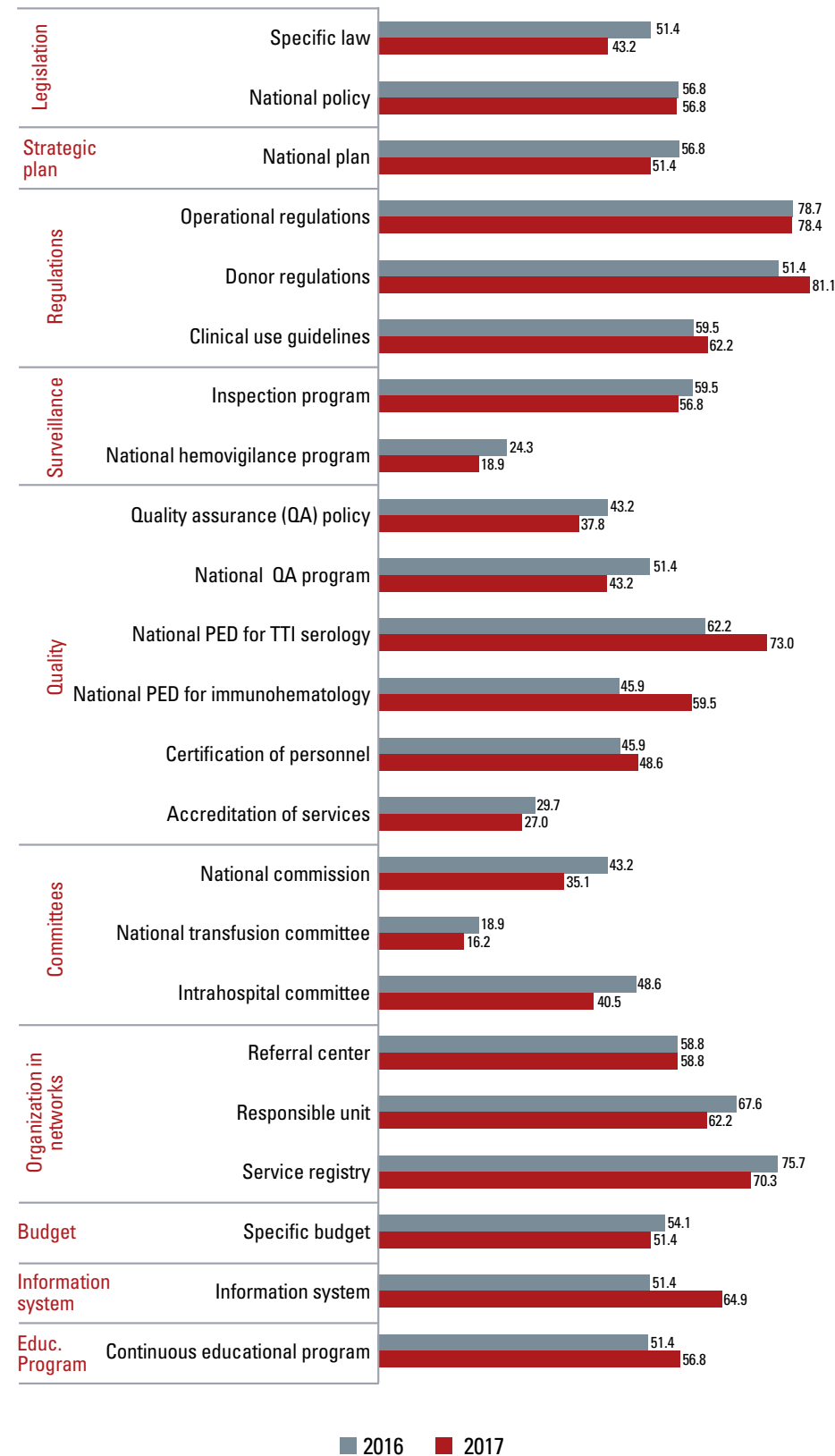
Ten aspects related to governance were analyzed in countries in the region. These aspects were composed, in turn, of subjects specifically related to safe blood transfusions, which were those with the highest level of compliance. Regarding standards for donors (in the "Regulations" section), the level of documented availability was 75.7% in 2016 and 81.1% in 2017. Under the heading of "Organization in a network", 70.3% of services reported this in 2017 and 75.7% in 2016. Finally, regarding "Quality", performance evaluation programs (PEPs) for serology and transfusion-transmitted infections existed in 62.2% of services in 2016 and 73.0% in 2017.

The remaining aspects included in the analysis of governance showed figures above 30%, with the exception of the existence of a national transfusion committee (17.6% on average), a national hemovigilance program (21.6% on average), and accreditation of services (28.4% on average).

The three aspects of governance with higher averages in both years analyzed were standardization (75.5%), organization in a network (63.1%), and the existence of a strategic plan (60.8%). These were followed by having a specific budget (56.1%), computer system (56.1%), legislation (52%), continuous education programs (54.1%), quality (41.9%), surveillance (39.9%), and the existence of committees (31.3%).

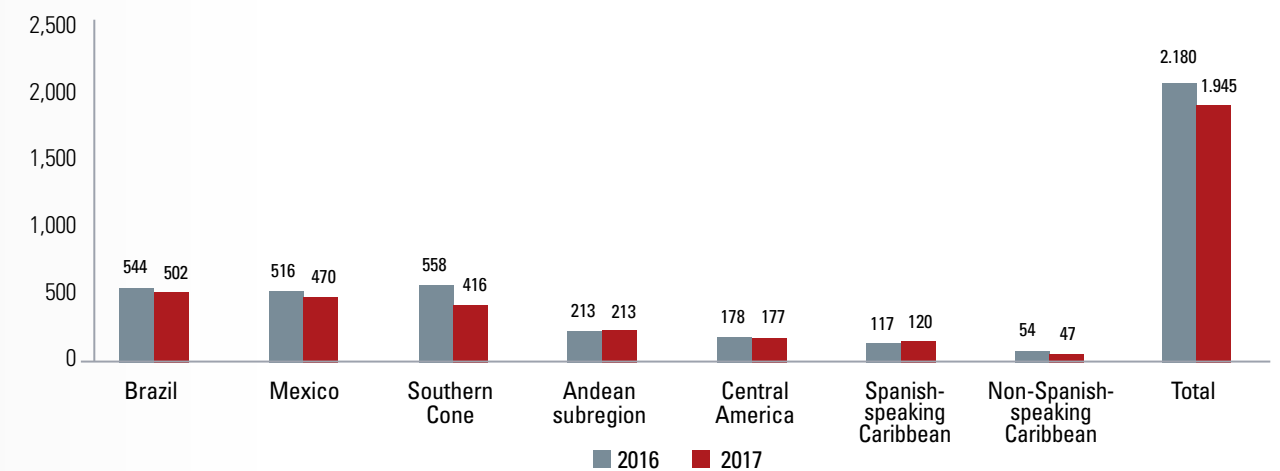
Regarding surveillance, it was observed that inspection programs were much more common (58.6% on average) than the existence of national hemovigilance programs (21.6% on average).

With regard to governance through committees (31.3%, on average), the area with the best performance was the existence of hospital transfusion committees (44.6% on average for both years analyzed), followed by the presence of a national commission (39.2%) and, finally, the existence of a national transfusion committee (17.6%).

Figure 15. Governance mechanisms for blood transfusions

7.2 ORGANIZATION OF BLOOD COLLECTION AND PROCESSING FACILITIES

A total of 2,180 collection centers were reported in 2016, and 1,945 centers in 2017. The distribution of collection centers by subregion (average values for both years analyzed) was as follows: 25.4% in Brazil, followed by 23.9% in Mexico, 23.5% in the Southern Cone, 10.4% in the Andean subregion, 8.6% in Central America, 5.8% in the Spanish-speaking Caribbean, and 2.4% in the non-Spanish-speaking Caribbean.

Figure 16. Blood collection centers by PAHO subregion, 2016-2017

A total of 1,793 processing centers were reported in 2016 and 1,176 in 2017. Mexico and the Dominican Republic did not report on the number of processing centers for 2017. The number of processing centers dropped by 58 in Brazil, two in Jamaica, and one each in the Bolivia, Colombia, Costa Rica, Dominica, Ecuador, Panama and Saint Lucia. At the same time, an increase was observed in Argentina (23 centers), Uruguay (3), Peru (3), Guatemala (2), Honduras (2), Chile (1), Trinidad and Tobago (1), and Turks and Caicos Islands (1). In general, the distribution of collection and processing centers was similar, with the exception of the Andean subregion (one country from this subregion did not report data).

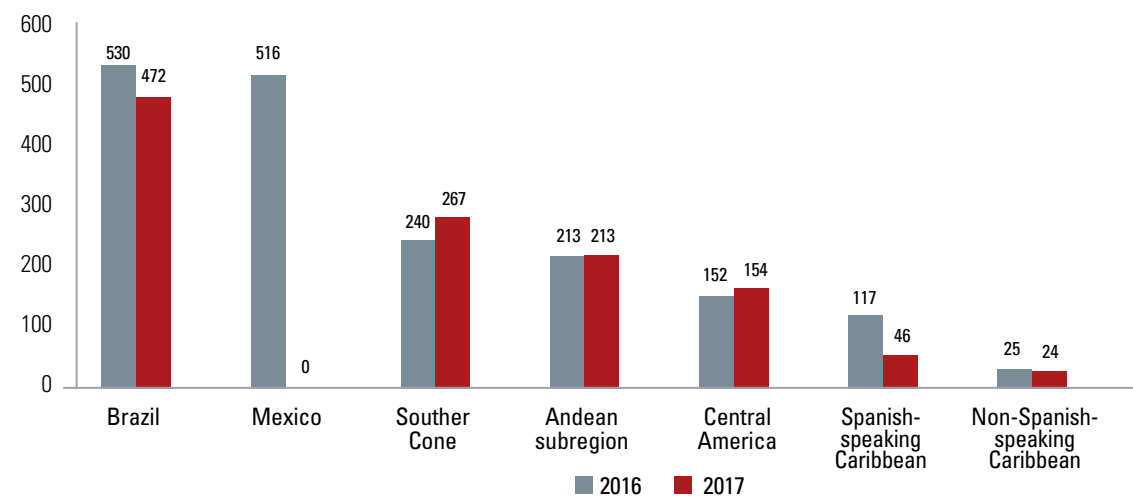
In 2016, the distribution of average yearly processing per blood bank for each subregion was as follows: 7,500 units in Brazil, 7,068 in the Andean subregion, 5,662 in the Southern Cone, 5,363 in the non-Spanish speaking Caribbean, 4,566 in Mexico, 4,483 in the Spanish-speaking Caribbean, and 3,495 in Central America..

In 2017, significant changes were documented in the distribution of the average yearly processing per blood bank, in Brazil it increased to 8,180 units, in the non-Spanish-speaking Caribbean it increased to 5,671, in the Andean subregion it increased to 7,318 and in the Southern Cone it increased to 5,806. The average yearly processing per blood bank decreased in the Spanish-speaking Caribbean to 4,420 and in Central America to 3,478.

The countries with over 10,000 average yearly units processed per bank were: Nicaragua (more than 42,000 units), Jamaica (32,000), Haiti (28,000), Chile (15,000), Paraguay (14,700), Ecuador (12,500), Colombia (10,200), and Suriname (10,000). Countries that processed less than 5,000 units per bank per year were Costa Rica, Guatemala, Honduras, Panama, Peru and Uruguay. Mexico and the Dominican Republic also had a yearly average under 5,000 units in 2016.

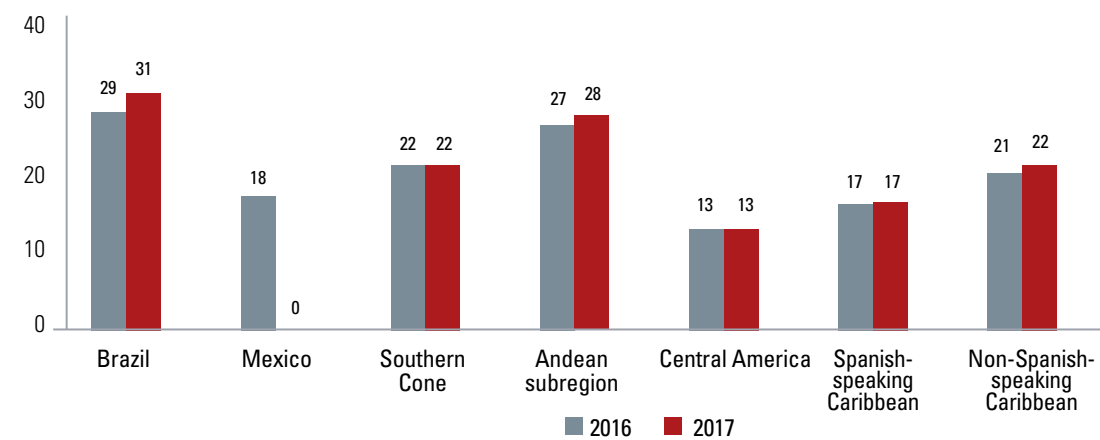
For the non-Spanish-speaking Caribbean, the total number of processing centers for the 18 countries that reported data for both years decreased from 25 to 24, with a variation of 1-3 centers per country. Similarly, the average yearly units processed per bank varied from 191 to 32,000 units processed per year by each bank.

Figure 17. Blood processing centers by PAHO subregion, 2016-2017



In both years analyzed, the subregion with the highest average daily blood processing values was Brazil (29 and 31), followed by the Andean subregion (27 and 28), the Southern Cone (22 and 22), and the non-Spanish-speaking Caribbean (21 and 22). The lowest results were documented in Mexico (18 and NR for 2017), the Spanish-speaking Caribbean (17 and 17) and Central America (13 and 13).

Figure 18. Daily blood processing by PAHO subregion, 2016-2017



7.3 HEALTH SURVEILLANCE AND HEMOVIGILANCE

Health surveillance and hemovigilance activities make it possible to assure the quality of the blood system and increase blood safety. In 2017, 56.3% of countries (21) reported implementation of activities to inspect and monitor blood services, while 18.9% of countries (7) had a national hemovigilance program in charge of monitoring and evaluating adverse events associated with the blood supply and the use of blood for transfusion. Only two countries submitted reports on hemovigilance that included broad coverage of blood services (Brazil and Colombia).

7.4 USE OF PLASMA FOR FRACTIONATION AND SUPPLY OF PLASMA DERIVATIVES

In 2017, Argentina, Brazil, Chile, Cuba, Mexico, Paraguay, and Uruguay reported fractionation of plasma to obtain plasma derivatives. In three of these countries, the plasma was fractionated in the country itself. In the four remaining countries, this process was outsourced and in three of the cases, through agreements with the same hemoderivative plant.

8 DISCUSSION

Analysis of the blood donation data reported by Latin American and Caribbean countries reveals that the country's level of donation is directly proportional to its income level. This conclusion explains why more than 96% of the 20,939,468 blood units collected in the region between 2016 and 2017 came from high- and upper middle-income countries (where 93% of the region's population lives). This conclusion is also consistent with the donation rates per 1,000 people, which were high in high-income (average rate of 21,9 units per 1000 population) and upper middle-income (17,8 per 1000) countries and very low in low-income countries (2.6 per 1000).

According to the World Health Organization (WHO) Global Status Report on Blood Safety and Availability (2013), 42% of the world's donations occur in high-income countries, where 16% of the population resides. Furthermore, the donation rates per 1,000 population are higher in high-income (32.6) and upper middle-income (15.1) countries. The report also points out that a rate lower than 10 donations per 1,000 population may suggest problems in the availability of and access to blood.

Despite the increase in the number of blood units collected in the Region, the percentage of voluntary donors increased very slightly, from 44.17% in 2015 to 46.1% in 2017. A worldwide analysis by WHO revealed that the highest rates of voluntary donations are in high-income countries. At the Regional level and in the Andean subregion, Brazil, and the Southern Cone, first-time donors predominated, in contrast to the Spanish-speaking Caribbean, where there was a higher proportion of repeat donors. One aspect to consider further based on the analyses in the current report is the increase in repeat voluntary donors, who represent 34.9% of voluntary donations for 2017, and the downward trend in the number of remunerated donations, which are considered to pose higher risk in transfusions.

Another relevant aspect that could play a considerable role in improving the statistics related to the availability of blood, increased voluntary donations, and rational costs is the fact that the Region still has fragmented blood services networks. These networks have low collection and processing capacity, low capacity to make progress on strategies to approach voluntary donors, and even lower capacity to retain donors for repeat donations. In Latin America, annual average processing per blood bank is only slightly higher than the 5,000 units proposed in the PAHO/WHO Plan of Action for Universal Access to Safe Blood 2014-2019. Only Brazil reported changing the structure of its services network and improving its average yearly collection per blood bank, some countries actually lowered their averages when they added new blood banks to their service networks since the new banks had a lower collection and processing capacity than those that already existed in the country.

With regard to donor profiles, male donors predominated in the region, in the subregions, and in all countries with the exception of Bermuda. Young donors (24 to 44 years old) also predominated, consistent with the predominance of young populations in the region, subregions, and respective countries.

There were broad variations in the regional percentage of deferral by country and type of donor, which may suggest variations in donor selection techniques and differences in donor motivations and donation-related risk factors. Moreover, in all subregions except the Southern Cone, deferral was higher in replacement donors than in voluntary donors. This situation, which may suggest greater presence of deferral factors in replacement donors, also means more work for blood services. These aspects should be considered as reasons to continue promoting voluntary donations, which have a lower percentage of deferral.

With regard to analysis of infectious markers in blood, a high level of compliance with the PAHO/WHO guidelines was observed at the regional level, both in the number of markers analyzed and in screening coverage. The region and all subregions achieved full compliance in the implementation of laboratory tests for the detection of HIV, HBsAg, HCV, and syphilis. The level of compliance with analysis for *T. cruzi* infectious markers included all countries that are considered endemic. Coverage for HTLV I-II and anti-HBc continues to grow in the majority of countries. Some countries have even incorporated nucleic acid detection technology (NAT).

The prevalence of each marker was relatively low and compatible with international data. The highest number of positive markers on the prevalence results was for anti-HBc, followed by *T. pallidum*, and detection of *T. cruzi* antibodies. It should be pointed out that the detection of HIV antibodies had the lowest prevalence in both years analyzed, and for other markers such as HBsAg, HCV and HTLV I-II the values were similar.

A higher number of positive markers was observed for HIV, HBsAg, HCV, and syphilis in low-income countries, and low percentage of voluntary donation. These findings align with the results of the WHO report.

The figures aligned for acquisition and transfusion of certain blood components (red blood cells, frozen fresh plasma and blood platelets). Red blood cells were the most frequently obtained component (higher than 92%) in the region and in the subregions of the non-Spanish-speaking Caribbean, the Southern Cone, the Andean subregion, Central America, and Mexico. It is important to highlight the values observed in subregions such as Brazil, where the percentage of fractionation was lower than 90%, and the Spanish-speaking Caribbean, where it was lower than 70% for both years. This is even though the use of red blood cells instead of whole blood has been suggested for many years. The percentage of fractionation exceeded 90% at all income levels, except for low-income countries.

Information on transfusions is a work in development in many countries, both regarding number of recipients and age groups. Similarly, minimal information was provided about transfusion-associated adverse events. However, some countries reported the existence of hemovigilance programs.

At the regional level, great progress was identified with regard to regulations, serological screening for markers of transfusion-associated infection, the existence of external performance evaluation programs particularly in serology, legislation, information systems, the existence of a strategic plan, training programs, and a specific budget.

Organization and improvement of the efficiency of the services and the increase in voluntary donation are considered related variables since the models of dispersed banks with low collection and processing capacity tend to be supplied by replacement donations, a large number of countries had low processing average per year per bank and in most countries the number of blood banks remained the same. The situation was similar for health surveillance and hemovigilance programs, where few countries showed progress, despite being key indicators of the PAHO/WHO Plan of Action for Universal Access to Safe Blood 2014-2019.

Finally, the availability and analysis of data for these indicators remains a pending task in most countries. This is a relevant component of the plan for access to safe blood, allowing the monitoring of blood systems and decision-making to improve management in each country.

9 CONCLUSIONS AND RECOMMENDATIONS

Several factors were identified that facilitate access to blood and blood components in the region:

- In Latin American and Caribbean countries, the level of blood donation is directly proportional to the country's income level.
- There was an increase in the number of blood units collected in the Region.
- The percentage of voluntary donors increased slightly from 2015 to 2017, from 44.2% to 46.1%.
- There was an increase in donations by repeat volunteers, who represented 34.9% of voluntary donations in 2017.
- In Latin America, the yearly processing level per blood bank is only slightly higher than the 5,000 units proposed in the PAHO/WHO Plan of Action for Universal Access to Safe Blood 2014-2019.
- In the region, the groups that predominated among donors were males and young donors aged 24 to 44 years.
- The regional deferral rate varied widely, by country and type of donor.
- There was a high level of compliance with PAHO/WHO guidelines at the regional level, for both the number of markers analyzed and screening coverage.
- The prevalence for each marker was relatively low and compatible with international data.
- The percentage of whole blood fractionation into blood components exceeded 90% at all income levels, with the exception of low-income countries.
- Information on transfusions remains a pending task in many countries.
- Great progress was noted at the regional level with regard to regulation, serological screening for transfusion infection markers, and the existence of programs for external evaluation of the quality of serology.
- In general, there has been great progress in the Region in blood accessibility and safety. However, there continue to be challenges in the organization and improved efficiency of services, voluntary donations, establishment of health surveillance and hemovigilance programs, and data availability and analysis of these indicators to enable monitoring of blood system management in each country.

Following analysis of the data provided by the countries of Latin America and the Caribbean, the following recommendations can be made:

- Continue to develop the strategies defined to improve Universal Access to Safe Blood.
- Continue to promote voluntary donation and donor self-responsibility in improving blood safety.
- Strengthen the reorganization of blood service networks to improve their efficiency.
- Integrate blood systems into health systems to improve strategies such as surveillance, hemovigilance, and coordination of the service network.
- Strengthen the analysis of variables such as blood availability, utilization and safety, and the existence of monitoring and control mechanisms.

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COUNTRY DATA

LATIN AMERICA 2016-2017



Table 1. BLOOD COLLECTION, 2016-2017

R	COUNTRY	NAME	2016		2017		2016		2017	
			TOTAL UNITS COLLECTED	TOTAL UNITS COLLECTED	NUMBER OF DONORS AUTOLOGOUS	BLOOD DONATION RATE PER 1,000 PEOPLE	NUMBER OF DONORS AUTOLOGOUS	BLOOD DONATION RATE PER 1,000 PEOPLE		
CS	ARG	ARGENTINA	924,804	1,109,064	2,509	21.4	4,532	25.5		
AND	BOL	BOLIVIA	112,536	119,721	65	10.5	58	11.1		
BRA	BRA	BRAZIL	3,975,232	3,864,212	18,407	19.1	3,362	18.6		
CS	CHL	CHILE	252,531	266,653	0	14.1	0	14.8		
AND	COL	COLOMBIA	817,003	830,291	552	16.9	0	17.2		
CAM	CRI	COSTA RICA	77,607	77,394	5	16.1	5	16.1		
CH	CUB	CUBA	416,923	411,979	0	36.5	0	36.1		
AND	ECU	ECUADOR	236,370	249,410	102	14.6	57	15.4		
CAM	SLV	EL SALVADOR	104,616	101,810	3	16.6	1	16.2		
CAM	GTM	GUATEMALA	135,495	136,826	3	8.5	8	8.6		
CAM	HND	HONDURAS	79,830	80,856	7	9.1	6	9.2		
MEX	MEX	MEXICO	2,356,388	2,397,014	2,531	18.9	2,178	19.2		
CAM	NIC	NICARAGUA	76,697	84,682	0	12.6	0	13.9		
CAM	PAN	PANAMA	57,002	54,129	48	14.5	63	13.8		
CS	PRY	PARAGUAY	93,539	88,761	39	14.1	27	13.4		
AND	PER	PERU	339,594	372,784	0	10.8	13,326	11.5		
CH	DOM	DOMINICAN REPUBLIC	107,636	105,137	55	10.2	33	10.0		
CS	URY	URUGUAY	88,039	91,506	199	25.7	125	26.6		

Note: the following codes correspond to all the Tables in this section.

R: region

CNH: Non-Spanish-speaking Caribbean

CS: Southern Cone

AND: Andean subregion

BRA: Brazil

MEX: Mexico

CAM: Central America

CH: Spanish-speaking Caribbean

Table 2. BLOOD COLLECTION FROM ALLOGENEIC DONORS, 2016-2017

R	COUNTRY	NAME	2016		2017		2016				2017			
			TOTAL UNITS COLLECTED	TOTAL UNITS COLLECTED	PERCENTAGE OF ALLOGENEIC DONORS		PERCENTAGE OF ALLOGENEIC DONORS		PERCENTAGE OF ALLOGENEIC DONORS		PERCENTAGE OF ALLOGENEIC DONORS			
					% VOLUNTARY	% REPLACEMENT	% VOLUNTARY	% REMUNERATED	% VOLUNTARY	% REPLACEMENT	% VOLUNTARY	% REMUNERATED		
CS	ARG	ARGENTINA	922,295	1,104,532	43.5	56.5	0	0	45.0	55.0	0	0		
AND	BOL	BOLIVIA	112,471	119,663	35.3	64.7	0	0	35.7	64.3	0	0		
BRA	BRA	BRAZIL	3,956,825	3,860,850	62.0	38.0	0	0	62.1	37.9	0	0		
CS	CHL	CHILE	252,531	265,653	31.8	68.2	0	0	34.1	65.9	0	0		
AND	COL	COLOMBIA	816,451	830,291	92.8	7.2	0	0	94.3	5.7	0	0		
CAM	CRI	COSTA RICA	77,602	77,389	60.6	39.4	0	0	61.0	39.0	0	0		
CH	CUB	CUBA	416,923	411,979	100.0	0.0	0	0	100.0	0.0	0	0		
AND	ECU	ECUADOR	236,268	249,353	70.4	29.6	0	0	72.1	27.9	0	0		
CAM	SLV	EL SALVADOR	104,613	101,809	22.0	78.0	0	0	23.7	76.3	0	0		
CAM	GTM	GUATEMALA	135,492	136,818	5.1	94.9	0	0	5.0	95.0	0	0		
CAM	HND	HONDURAS	79,823	80,850	21.2	78.7	0	0	17.3	82.7	0	0		
MEX	MEX	MEXICO	2,353,857	2,394,836	4.8	95.2	0	0	5.2	94.8	0	0		
CAM	NIC	NICARAGUA	76,697	84,682	100.0	0.0	0	0	100.0	0.0	0	0		
CAM	PAN	PANAMA	56,954	54,066	6.7	89.3	4	4	5.2	90.3	4	4		
CS	PRY	PARAGUAY	93,500	88,734	10.8	89.2	0	0	14.3	85.7	0	0		
AND	PER	PERU	339,594	359,458	10.0	90.0	0	0	10.0	90.0	0	0		
CH	DOM	DOMINICAN REPUBLIC	107,581	105,104	6.8	93.2	0	0	7.0	93.0	0	0		
CS	URY	URUGUAY	87,840	91,381	52.4	47.6	0	0	44.0	56.0	0	0		

Table 2.1. BLOOD COLLECTION ACCORDING TO THE SITE, 2016-2017

R	COUNTRY	NAME	2016	2017	2016							2017								
			TOTAL UNITS COLLECTED	TOTAL UNITS COLLECTED	TOTAL UNITS COLLECTED	% VOLUNTARY		% REPLACEMENT		% REMUNERATED		TOTAL (%)	TOTAL UNITS COLLECTED	% VOLUNTARY		% REPLACEMENT		% REMUNERATED		TOTAL (%)
						IM	EM	IM	EM	IM	EM			IM	EM	IM	EM	IM	EM	
CS	ARG	Argentina	924,804	1,104,532	922,295	32	11	56	1	0	0	100	1,100,000	14	32	50	6	0	0	100
AND	BOL	Bolivia	112,536	119,663	112,471	15	20	65	0	0	0	100	119,605	13	22	64	0	0	0	100
BRA	BRA	Brazil	3,975,232	3,860,850	3,956,825	62	0	38	0	0	0	100	3,857,488	62	0	38	0	0	0	100
CS	CHL	Chile	252,531	265,653	NR	NR	NR	NR	NR	NR	NR	NR	265,653	16	18	66	0	0	0	100
AND	COL	Colombia	817,003	830,291	816,451	21	71	7	0	0	0	100	830,291	94	0	6	0	0	0	100
CAM	CRI	Costa Rica	77,607	77,389	77,602	17	44	39	0	0	0	100	77,384	20	41	35	4	0	0	100
CH	CUB	Cuba	416,923	411,979	416,923	100	0	0	0	0	0	100	411,979	100	0	0	0	0	0	100
AND	ECU	Ecuador	236,370	249,353	236,268	23	48	28	1	0	0	100	249,296	21	51	27	0	0	0	100
CAM	SLV	El Salvador	104,616	101,809	104,613	21	1	78	0	0	0	100	101,808	23	1	76	0	0	0	100
CAM	GTM	Guatemala	135,495	136,818	135,492	1	4	95	0	0	0	100	136,810	2	3	95	0	0	0	100
CAM	HND	Honduras	79,830	80,850	79,823	3	18	78	0	0	0	100	80,844	8	9	81	2	0	0	100
MEX	MEX	Mexico	2,356,388	2,394,836	2,353,857	5	0	95	0	0	0	100	2,392,658	5	0	95	0	0	0	100
CAM	NIC	Nicaragua	76,697	84,682	76,697	15	85	0	0	0	0	100	84,682	10	90	0	0	0	0	100
CAM	PAN	Panama	57,002	54,066	56,954	2	5	89	0	4	0	100	54,003	3	2	90	0	5	0	100
CS	PRY	Paraguay	93,539	88,734	93,500	4	7	89	0	0	0	100	88,707	5	10	86	0	0	0	100
AND	PER	Peru	339,594	359,458	NR	NR	NR	NR	NR	NR	NR	NR	346,132	10	0	90	0	0	0	100
CH	DOM	Dominican Republic	107,636	105,104	107,581	7	0	92	1	0	0	100	105,071	7	0	90	3	0	0	100
CS	URY	Uruguay	88,039	91,381	87,840	43	10	48	0	0	0	100	91,256	36	8	56	0	0	0	100

IM: Intramural.

EM: Extramural

NR: Not Reported

Table 3. SELECTION OF ALLOGENEIC DONORS

R	COUNTRY	NAME	2016										2017									
			TOTAL UNITS COLLECTED	VOLUNTARY			REPLACEMENT			REMUNERATED			TOTAL UNITS COLLECTED	VOLUNTARY			REPLACEMENT			REMUNERATED		
				INTERVIEWED	DEFERRED	INCOMPLETE	INTERVIEWED	DEFERRED	INCOMPLETE	INTERVIEWED	DEFERRED	INCOMPLETE		INTERVIEWED	DEFERRED	INCOMPLETE	INTERVIEWED	DEFERRED	INCOMPLETE	INTERVIEWED	DEFERRED	INCOMPLETE
CS	ARG	ARGENTINA	922,295	412,420	7,325	3,711	587,427	60,695	5,821	0	0	0	1,104,532	500,418	4,893	525	706,618	99,311	2,307	NA	NA	NA
AND	BOL	BOLIVIA	112,471	55,393	14,544	1,103	106,837	34,112	0	0	0	119,663	60,418	16,270	1,450	113,819	36,912	0	NA	NA	NA	
BRA	BRA	BRAZIL	3,956,825	3,045,339	591,222	0	1,886,031	383,323	0	0	0	3,860,850	2,961,068	565,651	0	1,832,787	370,716	0	NA	NA	NA	
CS	CHL	CHILE	252,531	NR	NR	NR	NR	NR	NR	NR	NR	265,653	111,046	20,515	0	223,217	48,095	0	NA	NA	NA	
AND	COL	COLOMBIA	816,451	912,189	154,402	0	71,232	12,568	0	0	0	830,291	946,193	163,229	0	57,194	9,867	0	NA	NA	NA	
CAM	CRI	COSTA RICA	77,602	58,014	10,854	99	43,448	12,902	5	0	0	77,389	61,286	14,030	52	39,608	9,418	10	NA	NA	NA	
CH	CUB	CUBA	416,923	440,098	20,396	2,779	0	0	0	0	0	411,979	422,907	10,928	0	0	0	0	NA	NA	NA	
AND	ECU	ECUADOR	236,268	190,777	22,877	1,508	91,484	21,418	190	0	0	249,353	207,703	25,876	2,004	92,645	22,622	550	NA	NA	NA	
CAM	SLV	EL SALVADOR	104,613	25,293	2,079	155	115,064	33,088	422	0	0	101,809	28,146	3,848	139	106,644	28,596	399	NA	NA	NA	
CAM	GTM	GUATEMALA	135,492	8,661	1,694	99	174,707	44,650	1,433	0	0	136,818	8,470	1,502	80	177,022	45,619	1,481	NA	NA	NA	
CAM	HND	HONDURAS	79,823	20,289	3,230	137	76,455	12,829	772	59	12	80,850	17,211	2,763	489	85,283	17,633	789	36	12	0	
MEX	MEX	MEXICO	2,353,857	113,405	NR	NR	3,185,023	944,219	0	0	0	2,394,836	124,475	150	0	3,228,383	960,050	0	NA	NA	NA	
CAM	NIC	NICARAGUA	76,697	84,822	7,798	327	NA	NA	NA	NA	NA	84,682	92,761	8,079	0	NA	NA	NA	NA	NA	NA	
CAM	PAN	PANAMA	56,954	3,802	0	0	50,833	0	0	2,319	0	54,066	2,801	0	0	48,766	0	0	2,436	0	0	
CS	PRY	PARAGUAY	93,500	10,577	487	0	92,092	8,682	0	0	0	88,734	13,237	564	0	87,383	11,349	0	NA	NA	NA	
AND	PER	PERU	339,594	NR	NR	NR	NR	NR	NR	NR	NR	359,458	NR	NR	NR	NR	NR	NR	NR	NR	NR	
CH	DOM	DOMINICAN REPUBLIC	107,581	8,980	1,686	10	128,716	28,105	314	83	83	105,104	9,049	1,662	4	128,194	1,385	25	NA	NA	NA	
CS	URY	URUGUAY	87,840	58,424	12,374	0	52,165	10,375	0	0	0	91,381	49,873	9,755	0	66,836	15,698	0	NA	NA	NA	

Table 4. DEFERRAL OF ALLOGENEIC DONORS

R	COUNTRY	NAME	2016								2017							
			TOTAL UNITS COLLECTED	VOLUNTARY		REPLACEMENT		REMUNERATED		TOTAL (%)	TOTAL UNITS COLLECTED	VOLUNTARY		REPLACEMENT		REMUNERATED		TOTAL (%)
				NUMBER INTERVIEWED	% DEFERRED	NUMBER INTERVIEWED	% DEFERRED	NUMBER INTERVIEWED	% DEFERRED			NUMBER INTERVIEWED	% DEFERRED	NUMBER INTERVIEWED	% DEFERRED	NUMBER INTERVIEWED	% DEFERRED	
CS	ARG	ARGENTINA	922,295	412,420	1.8	587,427	10.3	0	0.0	6.8	1,104,532	500,418	1.0	706,618	14.1	NA	NA	8.6
AND	BOL	BOLIVIA	112,471	55,393	26.3	106,837	31.9	0	0.0	30.0	119,663	60,418	26.9	113,819	32.4	NA	NA	30.5
BRA	BRA	BRAZIL	3,956,825	3,045,339	19.4	1,886,031	20.3	0	0.0	19.8	3,860,850	2,961,068	19.1	1,832,787	20.2	NA	NA	19.5
CS	CHL	CHILE	252,531	NR	NR	NR	NR	0	0.0	9.0	265,653	111,046	18.5	223,217	21.5	NA	NA	20.5
AND	COL	COLOMBIA	816,451	912,189	16.9	71,232	17.6	0	0.0	17.0	830,291	946,193	17.3	57,194	17.3	NA	NA	17.3
CAM	CRI	COSTA RICA	7,7602	58,014	18.7	43,448	29.7	0	0.0	23.4	77,389	61,286	22.9	39,608	23.8	NA	NA	23.2
CH	CUB	CUBA	416,923	440,098	4.6	0	0.0	0	0.0	4.6	411,979	422,907	2.6	0	0.0	NA	NA	2.6
AND	ECU	ECUADOR	236,268	190,777	12.0	91,484	23.4	0	0.0	15.7	249,353	207,703	12.5	92,645	24.4	NA	NA	16.1
CAM	SLV	EL SALVADOR	10,4613	25,293	8.2	115,064	28.8	0	0.0	25.1	101,809	28,146	13.7	106,644	26.8	NA	NA	24.1
CAM	GTM	GUATEMALA	135,492	8,661	19.6	174,707	25.6	0	0.0	25.3	136,818	8,470	17.7	177,022	25.8	NA	NA	25.4
CAM	HND	HONDURAS	79,823	20,289	15.9	76,455	16.8	59	20.3	16.6	80,850	17,211	16.1	85,283	20.7	36	33,3	19.9
MEX	MEX	MEXICO	2,353,857	113,405	0.0	3,185,023	29.6	0	0.0	28.6	2,394,836	124,475	0.1	3,228,383	29.7	NA	NA	28.6
CAM	NIC	NICARAGUA	76,697	84,822	9.2	0	0.0	0	0.0	9.2	84,682	92,761	8.7	0	0.0	NA	NA	8.7
CAM	PAN	PANAMA	56,954	3,802	0.0	50,833	0.0	2,319	0.0	0.0	54,066	2,801	0.0	48,766	0.0	2,436	0,0	0.0
CS	PRY	PARAGUAY	93,500	10,577	4.6	92,092	9.4	0	0.0	8.9	88,734	13,237	4.3	87,383	13.0	NA	NA	11.8
AND	PER	PERU	339,594	NR	NR	NR	NR	NR	NR	NR	359,458	NR	NR	NR	NR	NR	NR	NR
CH	DOM	DOMINICAN REPUBLIC	107,581	8,980	18.8	128,716	21.8	83	100.0	21.7	105,104	9,049	18.4	128,194	1.1	NA	NA	2.2
CS	URY	URUGUAY	87,840	58,424	21.2	52,165	19.9	0	0.0	20.6	91,381	49,873	19.6	66,836	23.5	NA	NA	21.8

Table 4.1. VOLUNTARY DONATIONS FROM FIRST-TIME AND REPEAT DONORS

R	COUNTRY	NAME	2016								2017							
			TOTAL NUMBER OF VOLUNTARY DONATIONS	FIRST-TIME		REPEAT		NO DATA		TOTAL (%)	TOTAL NUMBER OF VOLUNTARY DONATIONS	FIRST-TIME		REPEAT		NO DATA		TOTAL (%)
				NUMBER	%	NUMBER	%	NUMBER	%			NUMBER	%	NUMBER	%	NUMBER	%	
CS	ARG	ARGENTINA	401,384	60,208	15	341,176	85	0	0	100	495,000	297,000	60	198,000	40	0	0	100
AND	BOL	BOLIVIA	39,746	28,281	71	11,465	29	0	0	100	42,698	31,353	73	11,345	27	0	0	100
BRA	BRA	BRAZIL	2,454,117	NR	NR	NR	NR	2,454,117	100	100	2,395,417	1,447,387	60	948,030	40	0	0	100
CS	CHL	CHILE	80,225	44,648	56	35,577	44	0	0	100	90,531	48,167	53	42,364	47	0	0	100
AND	COL	COLOMBIA	757,787	583,201	77	171,926	23	2,660	0	100	782,964	599,611	77	183,353	23	0	0	100
CAM	CRI	COSTA RICA	47,061	NR	NR	NR	NR	47,061	100	100	47,204	NR	NR	NR	NR	47,204	100	100
CH	CUB	CUBA	416,923	NR	NR	NR	NR	416,923	100	100	411,979	164,971	40	247,008	60	0	0	100
AND	ECU	ECUADOR	166,392	NR	NR	NR	NR	166,392	100	100	179,823	NR	NR	NR	NR	179,823	100	100
CAM	SLV	EL SALVADOR	23,059	17,603	76	5,456	24	0	0	100	24,159	13,201	55	10,953	45	5	0	100
CAM	GTM	GUATEMALA	6,868	NR	NR	NR	NR	6,868	100	100	6,888	NR	NR	NR	NR	6,888	100	100
CAM	HND	HONDURAS	16,922	NR	NR	NR	NR	16,922	100	100	13,959	NR	NR	NR	NR	13,959	100	100
MEX	MEX	MEXICO	113,053	NR	NR	NR	NR	113,053	100	100	124,325	NR	NR	NR	NR	124,325	100	100
CAM	NIC	NICARAGUA	76,697	29,351	38	47,346	62	0	0	100	84,682	40,215	47	44,467	53	0	0	100
CAM	PAN	PANAMA	3,802	NR	NR	NR	NR	3,802	100	100	2,801	NR	NR	NR	NR	2,801	100	100
CS	PRY	PARAGUAY	10,090	NR	NR	NR	NR	10,090	100	100	12,673	NR	NR	NR	NR	12,673	100	100
AND	PER	PERU	31,444	30,815	98	629	2	0	0	100	34,718	33,643	97	1,075	3	0	0	100
CH	DOM	DOMINICAN REPUBLIC	7,284	NR	NR	NR	NR	7,284	100	100	7,383	NR	NR	NR	NR	7,383	100	100
CS	URY	URUGUAY	46,050	NR	NR	NR	NR	46,050	100	100	40,118	NR	NR	NR	NR	40,118	100	100

Table 4.3. NUMBER OF DEFERRED DONORS (ACCORDING TO THE CAUSE)

R	COUNTRY	NAME	2016							2017						
			DEFERRED DONORS (ACCORDING TO THE CAUSE)							DEFERRED DONORS (ACCORDING TO THE CAUSE)						
			TOTAL	LOW WEIGHT	LOW HAEMOGLOBIN	OTHER MEDICAL CONDITIONS	HIGH-RISK BEHAVIOR	TRAVEL HISTORY	OTHER	TOTAL	LOW WEIGHT	LOW HAEMOGLOBIN	OTHER MEDICAL CONDITIONS	HIGH-RISK BEHAVIOR	TRAVEL HISTORY	OTHER
CS	ARG	ARGENTINA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
AND	BOL	BOLIVIA	41,339	1,378	13,122	11,615	3,402	663	11,159	45,905	2,037	12,350	8,900	4,151	639	17,828
BRA	BRA	BRAZIL	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
CS	CHL	CHILE	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
AND	COL	COLOMBIA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
CAM	CRI	COSTA RICA	23,725	149	71	22,762	709	0	34	0	0	0	0	0	0	0
CH	CUB	CUBA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
AND	ECU	ECUADOR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
CAM	SLV	EL SALVADOR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
CAM	GTM	GUATEMALA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
CAM	HND	HONDURAS	16,940	500	3,944	3,254	1,538	37	7,667	20,561	563	4,066	5,607	1,820	24	8,481
MEX	MEX	MEXICO	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
CAM	NIC	NICARAGUA	7,795	458	423	5,102	887	0	925	8,084	324	588	6,378	794	0	0
CAM	PAN	PANAMA	45,974	0	5,910	20,876	3,220	0	15,968	47,380	0	5,188	21,769	3,038	0	17,385
CS	PRY	PARAGUAY	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
AND	PER	PERU	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
CH	DOM	DOMINICAN REPUBLIC	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
CS	URY	URUGUAY	805	0	805	0	0	0	0	963	0	963	0	0	0	0

Table 4.5. NUMBER OF UNITS COLLECTED BY MALE AND FEMALE DONORS

R	COUNTRY	NAME	2016			2017		
			MALE DONORS	FEMALE DONORS	TOTAL OF UNITS COLLECTED	MALE DONORS	FEMALE DONORS	TOTAL OF UNITS COLLECTED
CS	ARG	ARGENTINA	480,898	443,906	924,804	574,357	530,175	1,104,532
AND	BOL	BOLIVIA	60,922	41,835	102,757	66,324	47,406	113,730
BRA	BRA	BRAZIL	2,425,316	1,538,165	3,963,481	2,287,636	1,515,009	3,802,645
CS	CHL	CHILE	129,771	122,760	252,531	133,171	132,482	265,653
AND	COL	COLOMBIA	441,408	375,596	817,004	436,912	393,379	830,291
CAM	CRI	COSTA RICA	NR	NR	NR	NR	NR	NR
CH	CUB	CUBA	NR	NR	NR	308,422	103,557	411,979
AND	ECU	ECUADOR	180,026	103,029	283,055	0	0	0
CAM	SLV	EL SALVADOR	NR	NR	NR	NR	NR	NR
CAM	GTM	GUATEMALA	NR	NR	NR	NR	NR	NR
CAM	HND	HONDURAS	58,494	19,545	78,039	59,581	21,269	80,850
MEX	MEX	MEXICO	NR	NR	NR	NR	NR	NR
CAM	NIC	NICARAGUA	42,981	33,716	76,697	46,817	37,865	84,682
CAM	PAN	PANAMA	NR	NR	NR	NR	NR	NR
CS	PRY	PARAGUAY	NR	NR	NR	NR	NR	NR
AND	PER	PERU	NR	NR	NR	NR	NR	NR
CH	DOM	DOMINICAN REPUBLIC	NR	NR	NR	NR	NR	NR
CS	URY	URUGUAY	NR	NR	NR	NR	NR	NR

Table 5. EFFICIENCY OF BLOOD PROCESSING

R	COUNTRY	NAME	2016					2017				
			NUMBER OF UNITS COLLECTED	NUMBER OF COLLECTING CENTERS	NUMBER OF PROCESSING CENTERS	ANNUAL PROCESSING PER BANK	DAILY PROCESSING PER BANK (260 DAYS)	NUMBER OF UNITS COLLECTED	NUMBER OF COLLECTING CENTERS	NUMBER OF PROCESSING CENTERS	ANNUAL PROCESSING PER BANK	DAILY PROCESSING PER BANK (260 DAYS)
CS	ARG	ARGENTINA	924,804	432	164	5,639	22	1,104,532	290	187	5,907	23
AND	BOL	BOLIVIA	112,536	18	18	6,252	24	119,663	17	17	7,039	27
BRA	BRA	BRAZIL	3,975,232	544	530	7,500	29	3,860,850	502	472	8,180	31
CS	CHL	CHILE	252,531	51	16	15,783	61	265,653	51	17	15,627	60
AND	COL	COLOMBIA	817,003	82	82	9,963	38	830,291	81	81	10,251	39
CAM	CRI	COSTA RICA	77,607	35	31	2,503	10	77,389	35	30	2,580	10
CH	CUB	CUBA	416,923	46	46	9,064	35	411,979	120	46	8,956	34
AND	ECU	ECUADOR	236,370	21	21	11,256	43	249,353	20	20	12,468	48
CAM	SLV	EL SALVADOR	104,616	19	19	5,506	21	101,809	19	19	5,358	21
CAM	GTM	GUATEMALA	135,495	62	62	2,185	8	136,818	64	64	2,138	8
CAM	HND	HONDURAS	79,830	29	16	4,989	19	80,850	29	18	4,492	17
MEX	MEX	MEXICO	2,356,388	516	516	4,566	18	2,394,836	470	NR	NR	NR
CAM	NIC	NICARAGUA	76,697	3	2	38,349	147	84,682	2	2	42,341	163
CAM	PAN	PANAMA	57,002	30	22	2,591	10	54,066	28	21	2,575	10
CS	PRY	PARAGUAY	93,539	13	6	15,590	60	88,734	13	6	14,789	57
AND	PER	PERU	339,594	92	92	3,691	14	359,458	95	95	3,784	15
CH	DOM	DOMINICAN REPUBLIC	107,636	71	71	1,516	6	105,104	0	0	0	0
CS	URY	URUGUAY	88,039	62	54	1,630	6	91,381	62	57	1,603	6

Table 7. PREVALENCE (%) OF INFECTIOUS MARKERS

R	COUNTRY	NAME	2016							2017						
			HIV	HBsAg	HCV	Syphilis	<i>T. cruzi</i>	HTLV I-II	Anti-HBc	HIV	HBsAg	HCV	Syphilis	<i>T. cruzi</i>	HTLV I-II	Anti-HBc
CS	ARG	ARGENTINA	0.18	0.19	0.27	0.94	1.98	0.15	1.24	0.15	0.20	0.32	1.25	1.51	0.22	1.28
AND	BOL	BOLIVIA	0.32	0.24	0.43	1.00	2.16	NR	NR	0.29	0.24	0.30	0.76	2.06	NR	NR
BRA	BRA	BRAZIL	0.21	0.20	0.32	1.01	0.17	0.23	1.27	0.28	0.23	0.33	1.07	0.26	0.31	1.13
CS	CHL	CHILE	0.04	0.19	0.01	0.40	0.08	0.05	0.00	0.04	0.01	0.03	0.00	0.09	0.06	0.00
AND	COL	COLOMBIA	0.21	0.12	0.37	1.31	0.27	0.25	1.33	0.21	0.12	0.37	1.19	0.19	0.22	1.22
CAM	CRI	COSTA RICA	0.07	0.07	0.17	0.82	0.14	0.08	0.80	0.08	0.26	0.18	0.48	0.24	0.10	0.83
CH	CUB	CUBA	0.01	0.58	1.19	0.52	NA	NR	NR	0.55	0.41	0.92	0.35	NA	NR	NR
AND	ECU	ECUADOR	0.36	0.21	0.24	1.40	0.41	0.39	0.07	0.31	0.15	0.26	1.21	0.53	0.66	0.59
CAM	SLV	EL SALVADOR	0.09	0.10	0.12	1.48	3.86	NR	NR	0.34	0.17	0.15	1.25	2.07	NR	NR
CAM	GTM	GUATEMALA	0.27	0.43	0.56	1.24	0.83	2.80	0.67	0.17	0.37	0.56	1.15	0.72	NR	2.77
CAM	HND	HONDURAS	0.11	0.18	0.38	0.90	0.71	0.17	1.69	0.12	0.24	0.38	0.73	0.77	0.18	1.86
MEX	MEX	MEXICO	0.28	0.24	0.52	1.35	0.38	NR	NR	0.27	0.26	0.54	0.88	0.37	NR	NR
CAM	NIC	NICARAGUA	0.09	0.23	0.27	0.57	0.50	NR	NR	0.06	0.19	0.27	0.30	0.22	NR	NR
CAM	PAN	PANAMA	0.17	0.22	0.39	0.98	0.24	0.40	1.87	0.16	0.23	0.33	0.85	0.19	0.33	1.43
CS	PRY	PARAGUAY	0.31	0.30	0.49	5.83	2.08	0.29	2.48	0.22	0.37	0.54	5.33	1.75	0.27	2.34
AND	PER	PERU	0.27	0.33	0.43	0.93	0.36	0.76	2.98	0.22	0.41	0.60	0.98	0.45	0.78	2.77
CH	DOM	DOMINICAN REPUBLIC	0.18	1.54	0.18	0.70	NA	0.21	0.54	0.15	0.69	0.17	0.52	NA	0.28	5.94
CS	URY	URUGUAY	0.12	0.12	0.30	0.41	0.17	0.13	0.72	0.10	0.16	0.34	0.49	0.15	0.16	0.60

Table 8. HIV PREVALENCE BY TYPE OF DONATION

R	COUNTRY	NAME	2016					2017				
			VOLUNTARY			REPLACEMENT	REMUNERATED	VOLUNTARY			REPLACEMENT	REMUNERATED
			FIRST-TIME	REPEAT	NO DATA			FIRST-TIME	REPEAT	NO DATA		
CS	ARG	ARGENTINA	NR	NR	NR	NR	NA	NR	NR	NR	NR	NA
AND	BOL	BOLIVIA	NR	NR	NR	NR	NA	NR	NR	NR	NR	NA
BRA	BRA	BRAZIL	NR	NR	NR	NR	NA	NR	NR	NR	NR	NA
CS	CHL	CHILE	NR	NR	NR	NR	NA	0.04	0.01	0.00	0.07	NA
AND	COL	COLOMBIA	0.26	0.09	NA	0.17	NA	0.26	0.09	NA	0.21	NA
CAM	CRI	COSTA RICA	NR	NR	NR	NR	NA	NR	NR	NR	NR	NA
CH	CUB	CUBA	NR	NR	NR	NR	NA	NR	NR	NR	NR	NA
AND	ECU	ECUADOR	NR	NR	NR	NR	NA	NR	NR	NR	NR	NA
CAM	SLV	EL SALVADOR	NR	NR	NR	NR	NA	NR	NR	NR	NR	NA
CAM	GTM	GUATEMALA	NR	NR	NR	NR	NA	NR	NR	NR	NR	NA
CAM	HND	HONDURAS	NR	NR	0.10	0.11	NR	NR	NR	0.04	0.14	NR
MEX	MEX	MEXICO	NR	NR	NR	NR	NA	NR	NR	NR	NR	NA
CAM	NIC	NICARAGUA	0.17	0.03	0.00	NA	NA	NR	NR	NR	NA	NA
CAM	PAN	PANAMA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
CS	PRY	PARAGUAY	NR	NR	NR	NR	NA	NR	NR	NR	NR	NA
AND	PER	PERU	NR	NR	NR	NR	NA	NR	NR	NR	NR	NA
CH	DOM	DOMINICAN REPUBLIC	NR	NR	NR	NR	NA	NR	NR	NR	NR	NA
CS	URY	URUGUAY	NR	NR	NR	NR	NA	NR	NR	NR	NR	NA

Table 9. SEPARATION INTO COMPONENTS (NUMBER)

R	COUNTRY	NAME	2016						2017					
			UNITS RECEIVED	RBC	FFP	FP	CRYO	PL	UNITS RECEIVED	RBC	FFP	FP	CRYO	PL
CS	ARG	ARGENTINA	924,804	881,053	666,066	166,493	47,568	493,371	1,104,532	1,036,348	767,605	288,974	56,333	712,777
AND	BOL	BOLIVIA	112,536	109,223	97,508	10,745	7,911	52,654	119,663	117,416	104,809	11,241	9,388	59,649
BRA	BRA	BRAZIL	3,747,118	3,314,515	2,750,256	482,514	163,363	2,148,676	3,860,850	3,307,279	2,685,689	458,251	160,808	1,881,885
CS	CHL	CHILE	245,517	245,514	220,225	36,049	19,737	175,214	265,653	263,736	219,800	39,260	20,525	182,953
AND	COL	COLOMBIA	817,003	806,297	135,295	671,002	67,019	301,398	830,291	821,244	483,556	165,041	58,389	229,781
CAM	CRI	COSTA RICA	77,607	75,958	74,334	NR	15,473	52,617	77,389	76,564	74,927	NR	17,757	55,295
CH	CUB	CUBA	406,966	359,164	61,818	136,485	15,473	51,967	411,979	332,635	68,385	NR	16,700	66,452
AND	ECU	ECUADOR	236,370	229,765	179,146	34,528	7,650	116,699	249,353	239,785	196,010	33,424	12,264	119,613
CAM	SLV	EL SALVADOR	104,616	104,455	70,030	NR	12,780	62,150	101,809	134,571	NR	NR	NR	NR
CAM	GTM	GUATEMALA	135,396	121,307	63,046	NR	4,550	49,565	136,818	123,098	73,240	2,865	3,281	49,618
CAM	HND	HONDURAS	74,426	63,717	50,133	1,618	2,917	35,989	80,850	69,647	50,901	1,143	2,081	33,284
MEX	MEX	MEXICO	2,356,388	2,199,142	1,663,024	443,359	123,203	1,050,962	2,394,836	1,792,305	1,349,225	359,796	0	857,150
CAM	NIC	NICARAGUA	76,697	75,214	65,591	3,833	6,582	43,667	84,682	83,833	76,950	5,969	5,931	48,117
CAM	PAN	PANAMA	57,002	50,629	27,073	NR	5,232	34,956	54,066	49,811	27,133	NR	4,518	35,844
CS	PRY	PARAGUAY	97,127	91,143	69,934	10,655	6,382	55,878	88,734	82,894	65,496	11,743	4,685	53,691
AND	PER	PERU	343,608	305,773	226,240	NR	93,124	201,755	359,458	346,132	236,624	NR	75,593	173,639
CH	DOM	DOMINICAN REPUBLIC	107,943	52,363	5,770	2,908	104	3,842	105,104	46,889	4,916	2,585	33	3,713
CS	URY	URUGUAY	90,064	76,595	66,723	3,593	2,164	47,653	91,381	77,248	70,011	4,767	2,912	49,855

Table 9.1. BLOOD AND BLOOD COMPONENTS DISCARDED (NUMBER)

R	COUNTRY	NAME	2016							2017						
			WB	RBC	FFP	FP	CRIY	PL	NO DATA	WB	RBC	FFP	FP	CRIY	PL	NO DATA
CS	ARG	ARGENTINA	8,804	75,797	55,100	17,373	3,717	118,185	NA	8,188	119,540	86,184	13,078	20,676	221,077	NA
AND	BOL	BOLIVIA	2,648	7,075	32,339	9,186	2,089	20,485	NA	1,854	6,509	35,867	10,600	1,646	20,611	NA
BRA	BRA	BRAZIL	148,849	489,429	1,554,419	363,327	30,604	753,013	NA	133,688	409,049	1,831,355	386,129	22,669	662,426	NA
CS	CHL	CHILE	NR	5,734	13,020	NR	870	29,877	NA	0	20,481	138,158	NR	1,253	39,649	NA
AND	COL	COLOMBIA	7,614	58,519	356,415	131,738	24,789	69,375	NA	8,167	58,840	402,167	136,491	14,456	67,412	NA
CAM	CRI	COSTA RICA	NR	11,431	57,678	NR	6,684	27,658	NA	1,762	12,169	56,895	0	5,251	29,369	NA
CH	CUB	CUBA	11,898	32,698	6,904	NR	1,284	10,908	NA	NR	3,245	1,278	2,097	NR	4,464	NA
AND	ECU	ECUADOR	2,748	12,458	48,160	23,390	930	30,768	NA	1,542	12,985	60,478	16,343	891	31,711	NA
CAM	SLV	EL SALVADOR	3,999	4,311	7,162	NR	291	5,672	NA	638	8,505	6,769	5,313	775	NR	NA
CAM	GTM	GUATEMALA	9,861	5,222	9,282	NR	281	11,192	NA	1,887	13,119	21,081	13,765	410	15,424	NA
CAM	HND	HONDURAS	4,169	2,958	30,884	1,050	254	7,423	NA	3,669	3,810	22,134	1,158	356	9,144	NA
MEX	MEX	MEXICO	81,287	123,132	330,415	583,010	69,630	204,705	NA	66,414	102,311	573,320	390,280	15,145	281,466	NA
CAM	NIC	NICARAGUA	NR	1,369	40,439	210	40	1,521	NA	NR	966	39,298	2,538	70	1,271	NA
CAM	PAN	PANAMA	NR	6,848	2,659	NR	230	13,123	NA	NR	6,841	6,989	16	890	15,630	NA
CS	PRY	PARAGUAY	1,400	12,379	19,667	6,774	664	23,923	NA	1,745	11,706	16,661	6,500	372	23,273	NA
AND	PER	PERU	NR	18,544	97,013	NR	2,882	47,087	NA	13,326	24,203	196,658	NR	5,385	74,759	NA
CH	DOM	DOMINICAN REPUBLIC	16,796	1,460	4,720	NR	NR	397	NA	13,099	1,747	5,274	NR	30	263	NA
CS	URY	URUGUAY	NR	18,447	NR	NR	NR	13,729	NA	NR	17,687	NR	NR	NR	14,010	NA

Table 10. AVAILABILITY OF BLOOD COMPONENTS (%)

R	COUNTRY	NAME	2016											2017										
			% SEPARATION INTO COMPONENTS					% BLOOD AND BLOOD COMPONENTS DISCARDED						% SEPARATION INTO COMPONENTS					% BLOOD AND BLOOD COMPONENTS DISCARDED					
			RBC	FFP	FP	CRYO	PL	SC	RBC	FFP	FP	CRYO	PL	RBC	FFP	FP	CRYO	PL	SC	RBC	FFP	FP	CRYO	PL
CS	ARG	ARGENTINA	95.3	72.0	18.0	5.1	53.4	1.0	8.6	8.3	10.4	7.8	24.0	93.8	69.5	26.2	5.1	64.5	12.0	11.5	11.2	4.5	36.7	31.0
AND	BOL	BOLIVIA	97.1	86.7	9.6	7.0	46.8	2.4	6.5	33.2	85.5	26.4	38.9	98.1	87.6	9.4	7.8	49.9	82.5	5.5	34.2	94.3	17.5	34.6
BRA	BRA	BRAZIL	88.5	73.4	12.9	4.4	57.3	4.0	14.8	56.5	75.3	18.7	35.1	89.1	72.4	12.4	4.3	50.7	24.2	12.4	68.2	84.3	14.1	35.2
CS	CHL	CHILE	97.2	87.2	14.3	7.8	69.4	NR	2.3	5.9	0.0	4.4	17.1	99.3	82.7	14.8	7.7	0.4	0.0	7.8	62.9	NR	6.1	22.0
AND	COL	COLOMBIA	98.7	16.6	82.1	8.2	36.9	0.9	7.3	NR	19.6	37.0	23.0	98.9	58.2	19.9	7.0	27.7	90.3	7.2	83.2	82.7	24.8	29.3
CAM	CRI	COSTA RICA	97.9	95.8	0.0	19.9	67.8	NR	15.1	77.6	0.0	43.2	52.6	97.7	95.6	NR	22.7	70.5	96.6	15.9	75.9	NR	29.6	53.1
CH	CUB	CUBA	88.2	15.1	33.5	3.8	12.7	1.7	8.0	1.6	0.0	0.3	2.6	80.7	16.6	NR	4.1	16.1	NR	1.0	1.9	NR	0.0	6.7
AND	ECU	ECUADOR	97.3	75.8	14.6	3.2	49.4	1.2	5.4	26.9	67.7	12.2	26.4	96.2	78.6	13.4	4.9	48.0	16.1	5.4	30.9	48.9	7.3	26.5
CAM	SLV	EL SALVADOR	99.9	66.9	NR	12.2	59.4	3.8	4.1	10.2	NR	2.3	9.1	NR	NR	NR	NR	NR	NR	6.3	NR	NR	NR	NR
CAM	GTM	GUATEMALA	89.6	46.6	NR	3.4	36.6	7.3	4.3	14.7	NR	6.2	22.6	90.4	53.8	2.1	2.4	36.4	13.8	10.7	28.8	480.5	12.5	31.1
CAM	HND	HONDURAS	85.6	67.4	2.2	3.9	48.4	5.6	4.6	61.6	64.9	8.7	20.6	86.1	63.0	1.4	2.6	41.2	32.8	5.5	43.5	101.3	17.1	27.5
MEX	MEX	MEXICO	93.3	70.6	18.8	5.2	44.6	3.5	5.6	19.9	NR	56.5	19.5	74.8	56.3	15.0	NR	35.8	11.0	5.7	42.5	108.5	NR	32.8
CAM	NIC	NICARAGUA	98.1	85.5	5.0	8.6	56.9	NR	1.8	61.7	NR	0.6	3.5	99.0	90.9	7.1	7.0	56.8	NR	1.2	51.1	42.5	1.2	2.6
CAM	PAN	PANAMA	88.8	72.7	13.6	4.8	55.3	1.0	8.6	7.1	NR	7.8	37.5	92.1	50.2	0.0	8.4	66.3	NR	13.7	25.8	NR	19.7	43.6
CS	PRY	PARAGUAY	93.8	72.0	14.3	7.0	46.8	1.0	6.9	8.3	NR	17.1	42.8	93.4	73.8	13.2	5.3	60.5	29.9	14.1	25.4	55.4	7.9	43.3
AND	PER	PERU	89.0	72.7	12.9	6.1	50.1	0.9	11.7	33.2	NR	26.4	23.3	96.3	65.8	0.0	21.0	48.3	100.0	7.0	83.1	NR	7.1	43.1
CH	DOM	DOMINICAN REPUBLIC	48.5	86.7	12.9	7.0	57.3	2.0	8.0	33.2	NR	18.7	10.3	44.6	4.7	2.5	NR	3.5	22.5	3.7	107.3	NR	90.9	7.1
CS	URY	URUGUAY	85.1	73.4	14.6	4.4	49.4	1.4	7.3	16.4	NR	12.2	28.8	84.3	76.4	5.2	3.2	54.4	NR	22.9	NR	NR	NR	28.1

Table 10.1. BLOOD COMPONENTS OBTAINED BY APHERESIS

R	COUNTRY	NAME	2016					2017				
			TOTAL NUMBER OF BLOOD COMPONENTS OBTAINED THROUGH APHERESIS PROCEDURES					TOTAL NUMBER OF BLOOD COMPONENTS OBTAINED THROUGH APHERESIS PROCEDURES				
			RBC	PLATELETS	PLASMA	NO DATA	TOTAL	RBC	PLATELETS	PLASMA	NO DATA	TOTAL
CS	ARG	ARGENTINA	925	20,267	1,900	NA	23,092	1,750	62,500	2,700	NA	66,950
AND	BOL	BOLIVIA	NR	306	NR	NA	306	NR	351	NR	NA	351
BRA	BRA	BRAZIL	NR	NR	NR	82,479	82,479	NR	NR	NR	79,860	79,860
CS	CHL	CHILE	NR	1,866	NR	NA	1,866	NR	2,172	NR	NA	2,172
AND	COL	COLOMBIA	23,275	188,668	5,484	NA	217,427	24,828	140,029	2,555	NA	167,412
CAM	CRI	COSTA RICA	325	2,580	NR	NA	2,905	NR	138	NR	NA	138
CH	CUB	CUBA	NR	13,711	NR	NA	13,711	NR	1,762	NR	NA	1,762
AND	ECU	ECUADOR	NR	4,511	NR	NA	4,511	NR	6,330	NR	NA	6,330
CAM	SLV	EL SALVADOR	3,759	10,571	NR	NA	14,330	1,231	NR	NR	NA	1,231
CAM	GTM	GUATEMALA	87	2,421	NR	NA	2,508	109	2,515	NR	NA	2,624
CAM	HND	HONDURAS	NR	1,790	NR	NA	1,790	NR	265	NR	NA	265
MEX	MEX	MEXICO	NR	106,601	NR	NA	106,601	NR	86,728	2,009	NA	88,737
CAM	NIC	NICARAGUA	NR	NR	NR	NR	NR	NR	NR	NR	NA	0
CAM	PAN	PANAMA	176	4,427	NR	NA	4,603	252	3,935	NR	NA	4,187
CS	PRY	PARAGUAY	NR	NR	NR	NR	NR	NR	NR	NR	NA	0
AND	PER	PERU	NR	27,814	NR	NA	27,814	NR	48,612	35	NA	48,647
CH	DOM	DOMINICAN REPUBLIC	NR	NR	NR	NA	NR	NR	NR	NR	NA	0
CS	URY	URUGUAY	NR	2,810	692	NA	3,502	5	3,636	449	NA	4,090

Table 10.2. BLOOD AND BLOOD COMPONENTS DISCARDED BY CAUSE (NUMBER)

R	COUNTRY	NAME	2016																		2017																				
			NUMBER OF BLOOD COMPONENTS DISCARDED BY CAUSE																		NUMBER OF BLOOD COMPONENTS DISCARDED BY CAUSE																				
			WB			RBC			FFP			FP			CRYO			PL			SW			RBC			FFP			FP			CRYO			PL					
			E	M	O	E	M	O	E	M	O	E	M	O	E	M	O	E	M	O	E	M	O	E	M	O	E	M	O	E	M	O	E	M	O	E	M	O	E	M	O
CS	ARG	ARGENTINA	6,233	2,337	234	34,280	40,001	1,516	18,698	30,616	5,786	7,224	10,000	149	2,397	NR	1,320	85,700	27,600	4,885	7,070	854	264	62,065	48,775	8,700	36,698	43,700	5,786	8,570	3,459	1,049	16,356	NR	4,320	167,972	45,673	7,432			
AND	BOL	BOLIVIA	83	107	2,458	1,116	5,223	736	2,916	4,694	24,729	2,972	351	5,863	712	360	1,017	11,078	2,594	6,813	51	89	2,579	1,060	4,979	470	3,294	4,449	28,124	2,163	350	8,087	694	326	626	11,721	2,511	6,379			
BRA	BRA	BRAZIL	401	NR	148,448	183,862	NR	305,567	27,580	NR	1,526,839	6,635	NR	356,692	4,049	NR	26,555	289,278	0	463,735	868	NR	132,820	222,556	NR	186,493	45,339	NR	1,786,016	12,282	NR	373,847	8,178	NR	14,491	451,865	NR	210,561			
CS	CHL	CHILE	NR	NR	NR	2,784	NR	2,950	389	NR	12,631	NR	NR	NR	298	NR	572	28,023	0	1,854	NR	NR	NR	12,234	4,262	3,985	733	4,000	133,425	0	0	0	481	34	738	21,394	1,951	16,304			
AND	COL	COLOMBIA	36	761	6,817	14,485	28,154	15,880	1,434	22,873	332,108	3,846	2,005	125,887	1,276	880	22,633	27,150	9,101	33,124	34	603	7,530	17,213	26,752	14,875	2,091	22,510	377,566	4,540	2,394	129,557	86	1,113	13,257	25,825	7,917	33,670			
CAM	CRI	COSTA RICA	NR	NR	NR	9,521	1,606	304	55,987	1,594	97	NR	NR	NR	6,684	NR	NR	25,840	1,594	224	NR	1,762	NR	12,142	24	3	56,825	24	46	NR	NR	NR	5,251	NR	NR	29,345	24	0			
CH	CUB	CUBA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	3,245	NR	1,046	108	NR	1,170	313	NR	1,784	NR	NR	NR	4,463	NR	1			
AND	ECU	ECUADOR	NR	NR	2,748	NR	NR	12,458	NR	NR	48,160	NR	NR	23,390	NR	NR	930	NR	NR	30,768	NR	NR	1,542	NR	0	12,985	0	0	60,478	0	NR	16,343	NR	0	891	NR	NR	31,711			
CAM	SLV	EL SALVADOR	175	3,718	106	491	3,543	277	82	3,396	3,684	NR	NR	NR	91	66	134	2,989	2,170	513	168	366	104	4,405	3,112	988	189	1,877	4,703	2,837	2,049	427	272	292	211	NR	NR	NR			
CAM	GTM	GUATEMALA	74	9,432	355	3,232	NR	1,990	1,005	NR	8,277	NR	NR	NR	65	NR	216	10,170	NR	1,022	68	1,529	290	3,505	7,496	2,118	1,019	3,668	16,394	1,043	455	12,267	163	2	245	12,305	1,851	1,268			
CAM	HND	HONDURAS	753	2,023	1,393	1,680	NR	1,278	1,212	NR	29,672	423	NR	627	57	NR	197	4,533	NR	2,890	901	1,851	917	2,590	NR	1,220	654	NR	21,480	428	NR	730	29	NR	327	3,444	NR	5,700			
MEX	MEX	MEXICO	848	20,692	59,747	49,902	34,780	38,450	103,018	27,814	199,583	67,869	5,186	509,955	5,748	1,162	62,720	204,705	NR	0	537	21,694	44,183	45,415	33,478	23,418	71,601	26,175	475,544	52,420	4,858	333,002	2,719	785	11,641	181,530	15,672	84,264			
CAM	NIC	NICARAGUA	NR	NR	NR	NR	1,272	97	0	1,272	39,167	NR	NR	210	NR	40	NR	867	653	1	NR	NR	NR	85	881	NR	NR	857	38,441	NR	NR	2,538	NR	70	NR	617	654	NR			
CAM	PAN	PANAMA	NR	NR	NR	4,132	1,927	789	528	892	1,239	NR	NR	NR	189	24	17	6,566	967	5,590	NR	NR	NR	4,348	1,837	656	3,139	629	3,221	NR	16	NR	551	127	212	8,335	1,011	6,284			
CS	PRY	PARAGUAY	39	306	1,055	2,195	9,106	1,078	1,088	6,484	12,095	478	390	5,906	161	115	388	13,707	5,074	5,142	24	316	1,405	2,239	8,380	1,087	965	5,924	9,772	370	94	6,036	110	57	205	12,502	4,779	5,992			
AND	PER	PERU	NR	NR	NR	18,544	NR	NR	97,013	NR	NR	NR	NR	NR	2,882	NR	NR	47,087	NR	NR	NR	13,326	NR	14,472	NR	9,731	102,770	NR	93,888	NR	NR	NR	2,773	NR	2,612	42,565	NR	32,194			
CH	DOM	DOMINICAN REPUBLIC	1,018	6,926	8,852	12	0	1,448	2	NR	4,718	NR	NR	NR	NR	NR	NR	7	0	390	1,219	5,673	6,207	NR	NR	1,747	NR	NR	5,274	NR	NR	NR	NR	NR	NR	NR	NR	30	NR	NR	263
CS	URY	URUGUAY	NR	NR	NR	7,469	2,242	8,736	NR	NR	NR	NR	NR	NR	NR	NR	NR	13,729	NR	NR	NR	NR	NR	6,093	2,968	8,626	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	14,010	NR	NR

Table 11. NUMBER OF COMPONENTS TRANSFUSED

R	COUNTRY	NAME	2016								2017							
			NUMBER OF COMPONENTS TRANSFUSED								NUMBER OF COMPONENTS TRANSFUSED							
			WB	RBC	FFP	FP	CRYO	PL	APH-PL	AFPH-RBC	WB	RBC	FFP	FP	CRYO	PL	APH-PL	AFPH-RBC
CS	ARG	ARGENTINA	6,448	665,802	163,982	10,553	20,927	319,441	15,152	534	7,335	1,016,808	291,240	12,281	23,000	491,700	59,197	1,576
AND	BOL	BOLIVIA	NR	NR	NR	NR	NR	NR	NR	NR	495	78,100	44,573	490	5,628	28,409	265	NR
BRA	BRA	BRAZIL	8,737	2,182,840	515,239	24,073	95,187	875,912	NR	NR	937	1,329,853	291,710	9,899	63,391	491,640	NR	NR
CS	CHL	CHILE	0	234,894	77,434	0	18,285	140,116	1,850	0	NR	231,708	81,642	NR	1,594	96,674	2,172	NR
AND	COL	COLOMBIA	1,818	658,723	199,705	0	50,612	181,133	153,745	NR	445	835,367	216,561	NR	70,367	216,918	206,604	NR
CAM	CRI	COSTA RICA	0	65,454	14,048	0	8,885	27,525	95	NR	NR	64,044	17,436	NR	11,552	32,084	111	NR
CH	CUB	CUBA	0	241,071	39,139	5,917	12,071	49,254	NR	NR	NR	219,808	60,999	1,886	9,875	40,847	1,019	NR
AND	ECU	ECUADOR	0	93,234	36,411	3,157	2,999	34,482	136	0	110	107,445	41,807	2,708	4,346	39,437	444	NR
CAM	SLV	EL SALVADOR	680	108,595	49,856	54,175	10,861	NR	NR	NR	1,123	78,198	26,832	26,848	7,416	NR	7,078	3,339
CAM	GTM	GUATEMALA	1,319	126,277	36,133	NR	4,657	29,135	3,205	193	1,118	131,507	39,112	81	4,311	28,202	3,507	98
CAM	HND	HONDURAS	1,941	65,729	22,997	1,323	2,455	23,313	580	NR	1,464	71,056	20,694	1,090	1,799	22,238	265	0
MEX	MEX	MEXICO	NR	1,500,941	959,869	36,558	94,560	344,414	75,951	NR	NR	807	302	6,204	55,200	370,934	NR	NR
CAM	NIC	NICARAGUA	NR	57,005	13,753	0	3,363	30,347	0	0	NR	70,969	18,004	NR	3,980	36,052	0	0
CAM	PAN	PANAMA	108	52,277	13,485	NR	4,208	18,803	5,921	NR	58	48,613	12,321	NR	4,688	19,532	5,162	NR
CS	PRY	PARAGUAY	310	75,546	26,419	444	5,642	29,167	NR	NR	76	72,404	25,458	83	2,981	29,581	NR	NR
AND	PER	PERU	8,691	274,643	89,479	NR	28,468	126,884	27,814	NR	1,849	288,592	154,953	NR	25,104	129,089	48,612	NR
CH	DOM	DOMINICAN REPUBLIC	17,380	37,993	94	11	46	1,635	NR	NR	1,867	3,889	409	NR	72	851	NR	NR
CS	URY	URUGUAY	308	64,566	17,833	121	1,655	27,132	2,479	0	472	73,722	18,616	180	2,031	35,149	3,074	NR

Table 11.1. HOSPITALS AND TRANSFUSIONS

R	COUNTRY	NAME	2016								2017							
			# OF TRANSFUSION SERVICES	# OF HOSPITALS THAT PERFORM BLOOD TRANSFUSIONS	NUMBER OF HOSPITALS THAT PERFORM BLOOD TRANSFUSION AND PARTICIPATE/HAVE:						# OF TRANSFUSION SERVICES	# OF HOSPITALS THAT PERFORM BLOOD TRANSFUSIONS	NUMBER OF HOSPITALS THAT PERFORM BLOOD TRANSFUSION AND PARTICIPATE/HAVE:					
					TRANSFUSION COMMITTEE		CLINICAL AUDIT		NOTIFICATION OF ADVERSE REACTIONS				TRANSFUSION COMMITTEE		CLINICAL AUDIT		NOTIFICATION OF ADVERSE REACTIONS	
					#	%	#	%	#	%			#	%	#	%	#	%
CS	ARG	ARGENTINA	1,135	1,135	NR	30.0	NR	30.0	NR	NR	1,135	1,135	NR	30.0	NR	30.0	NR	NR
AND	BOL	BOLIVIA	NR	NR	NR	NR	NR	NR	NR	NR	95	95	NR	NR	NR	NR	NR	NR
BRA	BRA	BRAZIL	1,988	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
CS	CHL	CHILE	74	74	74	100.0	NR	NR	74	100.0	75	74	74	100.0	NR	NR	74	100.0
AND	COL	COLOMBIA	581	581	581	100.0	NR	NR	NR	NR	588	588	588	100.0	NR	NR	588	100.0
CAM	CRI	COSTA RICA	33	33	6	18.2	4	12.1	33	100.0	35	33	NR	NR	NR	NR	NR	NR
CH	CUB	CUBA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	152	NR	15	NR	723	NR
AND	ECU	ECUADOR	131	331	244	73.7	NR	NR	NR	NR	133	353	278	78.8	NR	NR	NR	NR
CAM	SLV	EL SALVADOR	22	22	NR	NR	NR	NR	NR	NR	22	36	NR	NR	NR	NR	NR	NR
CAM	GTM	GUATEMALA	39	39	12	30.8	NR	NR	NR	NR	11	39	13	33.3	NR	NR	NR	NR
CAM	HND	HONDURAS	62	36	2	NR	1	NR	2	NR	62	33	6	18.0	2	6.0	10	30.0
MEX	MEX	MEXICO	4,662	5,097	301	5.9	NR	NR	NR	NR	4,662	5,010	320	6.4	NR	NR	320	6.4
CAM	NIC	NICARAGUA	47	47	15	31.9	28	59.6	15	31.9	2	43	13	30.2	26	60.5	13	30.2
CAM	PAN	PANAMA	29	29	4	13.8	NR	NR	29	100.0	2	29	4	13.0	NR	NR	29	100.0
CS	PRY	PARAGUAY	61	61	5	8.2	NR	NR	52	85.3	61	61	5	8.2	NR	NR	52	85.3
AND	PER	PERU	240	240	NR	NR	NR	NR	NR	NR	358	360	NR	NR	NR	NR	NR	NR
CH	DOM	DOMINICAN REPUBLIC	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
CS	URY	URUGUAY	73	73	NR	NR	NR	NR	NR	NR	73	67	NR	NR	NR	NR	67	100.0

Table 11.2. NUMBER OF PATIENTS TRANSFUSED BY AGE GROUP

R	COUNTRY	NAME	2016								2017							
			# OF PATIENTS TRANSFUSED IN THE COUNTRY	PATIENTS TRANSFUSED BY AGE					# OF PATIENTS TRANSFUSED IN THE COUNTRY	PATIENTS TRANSFUSED BY AGE								
				<5	5 to 14	15 to 44	45 to 59	>59		<15	>15	<5	5 to 14	15 to 44	45 to 59	>59	<15	>15
CS	ARG	ARGENTINA	266,322	4,770	10,826	135,112	88,008	27,606	15,596	250,726	406,723	7,318	25,489	94,888	132,916	146,112	32,807	373,916
AND	BOL	BOLIVIA	NR	NR	NR	NR	NR	NR	NR	NR	156,857	17,776	11,597	51,256	52,779	23,449	29,373	127,484
BRA	BRA	BRAZIL	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
CS	CHL	CHILE	409,265	NR	NR	NR	NR	NR	43,136	366,129	428,960	NR	NR	NR	NR	NR	41,982	386,978
AND	COL	COLOMBIA	307,489	21,169	15,733	169,123	NR	101,464	36,902	270,587	418,896	28,904	21,364	230,393	NR	138,236	50,268	368,629
CAM	CRI	COSTA RICA	NR	NR	NR	NR	NR	NR	NR	NR	62,971	4	NR	95	171	456	4	722
CH	CUB	CUBA	NR	NR	NR	NR	NR	NR	NR	NR	127,216	NR	NR	NR	NR	NR	NR	NR
AND	ECU	ECUADOR	158,549	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
CAM	SLV	EL SALVADOR	113,071	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
CAM	GTM	GUATEMALA	89,789	NR	NR	NR	NR	NR	NR	NR	88,069	NR	NR	NR	NR	NR	NR	NR
CAM	HND	HONDURAS	92,728	22,316	16,398	31,973	9,827	12,214	38,714	54,014	105,760	19,266	16,484	31,136	22,185	16,689	35,750	70,010
MEX	MEX	MEXICO	1,571,217	NR	NR	NR	NR	NR	NR	NR	1,561,215	NR	NR	NR	NR	NR	NR	NR
CAM	NIC	NICARAGUA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
CAM	PAN	PANAMA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
CS	PRY	PARAGUAY	137,528	12,491	8,927	47,712	24,369	43,859	21,418	115,940	NR	12,109	9,286	44,694	23,284	41,145	21,395	109,123
AND	PER	PERU	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
CH	DOM	DOMINICAN REPUBLIC	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
CS	URY	URUGUAY	27,279	NR	NR	NR	NR	NR	NR	NR	39,830	NR	NR	NR	NR	NR	NR	NR

2016

COL: data correspond to these age groups: children under 1 year old, between 1 and 14 years old, between 15 and 64 years old, over 64 years old.

PRY: data represents total transfusions, not total transfused patients.

URY: number of pediatric patients is 1,649 and that of adults is 25,630.

2017

ARG: The estimated number represents 10% of hospital discharges, transfused with an average of 2.5 GR per patient. The number of patients are an estimate, based on the amounts of GR transfused by age group.

BOL: Some services do not report the age of the recipient. However, the information is representative.

CHL: The transfusion age ranges are under and over 15 years.

COL: Data correspond to these age groups: under 1 year old, between 1 and 14 years old, between 15 and 64 years old and over 65 years old.

CRI: Partial data. Blood banks of the Costa Rican Social Security Fund do not report.

MEX: Estimated data.

PRY: Age ranges are different: under 5 years old, between 5 and 14, between 15 and 44, between 45 and 59, over 59 and without ages (110).

URY: There is no discrimination based on age, there are two groups: pediatric (8,153) and adults (125,091).

Table 12. ORGANIZATION OF THE NATIONAL BLOOD SYSTEM, COORDINATION, LAW AND POLICY

R	COUNTRY	NAME	2016					2017				
			SPECIFIC LAW	RESPONSIBLE UNIT	SPECIFIC BUDGET	NATIONAL POLICY	NATIONAL POLICY	SPECIFIC LAW	RESPONSIBLE UNIT	SPECIFIC BUDGET	NATIONAL POLICY	NATIONAL POLICY
CS	ARG	ARGENTINA	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
AND	BOL	BOLIVIA	YES	YES	YES	YES	NO	YES	YES	YES	NO	NO
BRA	BRA	BRAZIL	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
CS	CHL	CHILE	PARTIAL	YES	YES	YES	YES	YES	PARTIAL	YES	YES	YES
AND	COL	COLOMBIA	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
CAM	CRI	COSTA RICA	NO	NO	NO	NO	NO	NO	PARTIAL	NO	NO	NO
CH	CUB	CUBA	YES	YES	NO	YES	YES	YES	YES	NO	YES	YES
AND	ECU	ECUADOR	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
CAM	SLV	EL SALVADOR	NO	YES	NO	YES	YES	NO	YES	NO	YES	YES
CAM	GTM	GUATEMALA	YES	YES	YES	PARTIAL	PARTIAL	YES	YES	YES	PARTIAL	PARTIAL
CAM	HND	HONDURAS	NO	NO	YES	PARTIAL	YES	NO	NO	YES	PARTIAL	YES
MEX	MEX	MEXICO	YES	YES	YES	YES	NO	YES	YES	YES	YES	NO
CAM	NIC	NICARAGUA	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
CAM	PAN	PANAMA	YES	YES	YES	YES	NO	YES	YES	YES	YES	NO
CS	PRY	PARAGUAY	YES	YES	YES	YES	NO	YES	YES	YES	YES	NO
AND	PER	PERU	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO
CH	DOM	DOMINICAN REPUBLIC	NO	YES	NO	YES	NO	NO	YES	NO	YES	NO
CS	URY	URUGUAY	YES	NO	NO	NO	NO	YES	NO	NO	YES	NO

CHL: Law has not been updated, there is a Blood Services Regulation.

CRI: The Costa Rican Social Security Fund has its own planning and regulations.

HND: National policy in the process of elaboration and approval.

GTM: There is a National Blood Policy, and the regionalization process is being evaluated.

Table 13. ORGANIZATION OF THE NATIONAL BLOOD SYSTEM: GUIDELINES, NORMS AND INFORMATION SYSTEM

R	COUNTRY	NAME	2016							2017						
			REFERENCE CENTER	NATIONAL PLAN	DONOR NORMS	OPERATION NORMS	CLINICAL GUIDELINES	SERVICE REGISTRATION	INFORMATION SYSTEM	REFERENCE CENTER	NATIONAL PLAN	DONOR NORMS	OPERATION NORMS	CLINICAL GUIDELINES	SERVICE REGISTRATION	INFORMATION SYSTEM
CS	ARG	ARGENTINA	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
AND	BOL	BOLIVIA	PARTIAL	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
BRA	BRA	BRAZIL	YES	NO	YES	YES	YES	YES	YES	NO	NO	YES	YES	YES	YES	YES
CS	CHL	CHILE	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
AND	COL	COLOMBIA	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
CAM	CRI	COSTA RICA	PARTIAL	NO	NO	YES	NO	YES	YES	YES	PARTIAL	PARTIAL	PARTIAL	NO	YES	YES
CH	CUB	CUBA	NR	NR	NR	NR	NR	NR	NR	YES	YES	YES	YES	YES	YES	YES
AND	ECU	ECUADOR	YES	YES	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES	YES	YES
CAM	SLV	EL SALVADOR	YES	YES	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES	YES	YES
CAM	GTM	GUATEMALA	YES	YES	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES	YES	YES
CAM	HND	HONDURAS	PARTIAL	NO	PARTIAL	PARTIAL	NO	NO	NO	PARTIAL	NO	YES	YES	NO	NO	NO
MEX	MEX	MEXICO	YES	YES	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES	YES	YES
CAM	NIC	NICARAGUA	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
CAM	PAN	PANAMA	YES	YES	YES	YES	YES	YES	YES	PARTIAL	YES	YES	YES	YES	YES	YES
CS	PRY	PARAGUAY	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
AND	PER	PERU	YES	YES	YES	YES	NO	YES	NO	NO	YES	YES	YES	NO	YES	YES
CH	DOM	DOMINICAN REPUBLIC	NO	NO	YES	YES	YES	YES	PARTIAL	NO	NO	YES	YES	YES	YES	YES
CS	URY	URUGUAY	PARTIAL	NO	YES	YES	NO	YES	YES	PARTIAL	NO	YES	YES	YES	YES	YES

BOL: They are departmental reference centers. There are 3 departmental reference blood banks in Cochabamba, La Paz and Santa Cruz.

BRA: Reference centers are state, according to the country's legislation.

CRI: Center of reference for HIV is the Hospital San Juan de Dios, and for Chagas it is the INCENSE.

HND: The country's Clinical Laboratory Network has a reference center in Tegucigalpa (National Surveillance Laboratory), which is also a reference for screening tests on blood units when requested.

DOM: In the process of implementing a Blood Bank Information System.

URY: Immunohematology, Serology Laboratory and National Blood Service Bank, and Maldonado Regional Hemocenter for the eastern part of the country.

Table 14. ORGANIZATION OF THE NATIONAL BLOOD SYSTEM

R	COUNTRY	NAME	2016						2017					
			QUALITY ASSURANCE POLICY	NATIONAL QUALITY MANAGEMENT PROGRAM	NATIONAL PROGRAM OF EXTERNAL EVALUATION SEROLOGY - TTI	NATIONAL PROGRAM OF EXTERNAL EVALUATION IMMUNO-HEMATOLOGY	INSPECTION PROGRAM	CONTINUING EDUCATION PROGRAM	QUALITY ASSURANCE POLICY	NATIONAL QUALITY MANAGEMENT PROGRAM	NATIONAL PROGRAM OF EXTERNAL EVALUATION SEROLOGY - TTI	NATIONAL PROGRAM OF EXTERNAL EVALUATION IMMUNO-HEMATOLOGY	INSPECTION PROGRAM	CONTINUING EDUCATION PROGRAM
CS	ARG	ARGENTINA	YES	YES	YES	PARTIAL	YES	YES	YES	YES	YES	PARTIAL	YES	YES
AND	BOL	BOLIVIA	YES	YES	YES	NO	YES	YES	YES	YES	YES	YES	YES	YES
BRA	BRA	BRAZIL	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
CS	CHL	CHILE	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
AND	COL	COLOMBIA	NO	YES	YES	YES	YES	NO	NO	YES	YES	YES	YES	NO
CAM	CRI	COSTA RICA	NO	NO	YES	PARTIAL	PARTIAL	NO	NO	NO	YES	YES	PARTIAL	NO
CH	CUB	CUBA	NR	NR	NR	NR	NR	NR	YES	YES	YES	YES	YES	YES
AND	ECU	ECUADOR	PARTIAL	YES	YES	NO	YES	YES	PARTIAL	YES	YES	NO	YES	YES
CAM	SLV	EL SALVADOR	PARTIAL	YES	YES	NO	YES	YES	PARTIAL	YES	YES	YES	PARTIAL	YES
CAM	GTM	GUATEMALA	NO	NO	NO	NO	YES	YES	NO	NO	NO	NO	YES	YES
CAM	HND	HONDURAS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
MEX	MEX	MEXICO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
CAM	NIC	NICARAGUA	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
CAM	PAN	PANAMA	YES	NO	NO	NO	YES	NO	NO	NO	NO	NO	YES	NO
CS	PRY	PARAGUAY	YES	YES	NO	NO	YES	YES	YES	YES	YES	YES	YES	YES
AND	PER	PERU	NO	YES	YES	NO	YES	YES	YES	NO	YES	NO	YES	YES
CH	DOM	DOMINICAN REPUBLIC	NO	NO	NO	NO	YES	NO	NO	NO	YES	NO	YES	NO
CS	URY	URUGUAY	NO	PARTIAL	NO	NO	YES	PARTIAL	PARTIAL	NO	NO	PARTIAL	NR	PARTIAL

ARG: Immunohematology, five panels are sent that are distributed in provincial reference centers.

CRI: Costa Rican Social Security Fund has its own program for both serology and immunohematology. Every two years, only structural standards are verified to give the operating permit.

ECU: Blood services are subject to activities undertaken by the National Quality Directorate.

URY: Immunohematology, restarted in 2017, 17 services participate.

Table 15. ORGANIZATION OF THE NATIONAL BLOOD SYSTEM, CERTIFICATION

R	COUNTRY	NAME	2016		2017	
			STAFF CERTIFICATION	SERVICE ACCREDITATION	STAFF CERTIFICATION	SERVICE ACCREDITATION
CS	ARG	ARGENTINA	YES	YES	YES	YES
AND	BOL	BOLIVIA	YES	YES	YES	YES
BRA	BRA	BRAZIL	YES	YES	YES	YES
CS	CHL	CHILE	YES	NO	YES	YES
AND	COL	COLOMBIA	YES	NO	YES	NO
CAM	CRI	COSTA RICA	YES	YES	NO	YES
CH	CUB	CUBA	NR	NR	NR	YES
AND	ECU	ECUADOR	NO	YES	NO	YES
CAM	SLV	EL SALVADOR	NO	NO	NO	NO
CAM	GTM	GUATEMALA	NO	NO	NO	NO
CAM	HND	HONDURAS	NO	NO	NO	NO
MEX	MEX	MEXICO	YES	NO	YES	NO
CAM	NIC	NICARAGUA	YES	NO	YES	NO
CAM	PAN	PANAMA	YES	YES	YES	NO
CS	PRY	PARAGUAY	NO	NO	NO	NO
AND	PER	PERU	NO	YES	NO	NO
CH	DOM	DOMINICAN REPUBLIC	NO	NO	NO	NO
CS	URY	URUGUAY	NO	YES	NO	NO

Table 16. ORGANIZATION OF TRANSFUSION AND HEMOVIGILANCE SERVICES

R	COUNTRY	NAME	2016			2017		
			NATIONAL TRANSFUSION COMMITTEE	TRANSFUSION HOSPITAL COMMITTEES	NATIONAL HEMOVIGILANCE PROGRAM	NATIONAL TRANSFUSION COMMITTEE	TRANSFUSION HOSPITAL COMMITTEES	NATIONAL HEMOVIGILANCE PROGRAM
CS	ARG	ARGENTINA	NO	YES	YES	NO	YES	YES
AND	BOL	BOLIVIA	NO	PARTIAL	NO	NO	PARTIAL	NO
BRA	BRA	BRAZIL	NO	YES	YES	NO	YES	YES
CS	CHL	CHILE	YES	YES	YES	NO	YES	PARTIAL
AND	COL	COLOMBIA	NO	YES	YES	YES	YES	YES
CAM	CRI	COSTA RICA	PARTIAL	PARTIAL	NO	PARTIAL	PARTIAL	NO
CH	CUB	CUBA	YES	YES	YES	YES	YES	YES
AND	ECU	ECUADOR	NO	YES	YES	NO	YES	YES
CAM	SLV	EL SALVADOR	PARTIAL	YES	NO	PARTIAL	YES	NO
CAM	GTM	GUATEMALA	NO	PARTIAL	NO	NO	PARTIAL	NO
CAM	HND	HONDURAS	NO	NO	NO	NO	PARTIAL	NO
MEX	MEX	MEXICO	NO	YES	PARTIAL	NO	PARTIAL	PARTIAL
CAM	NIC	NICARAGUA	YES	YES	PARTIAL	YES	PARTIAL	PARTIAL
CAM	PAN	PANAMA	YES	PARTIAL	NO	NO	PARTIAL	NO
CS	PRY	PARAGUAY	PARTIAL	PARTIAL	PARTIAL	PARTIAL	PARTIAL	PARTIAL
AND	PER	PERU	NR	NR	NO	NO	NO	NO
CH	DOM	DOMINICAN REPUBLIC	NO	NO	NO	NO	NO	NO
CS	URY	URUGUAY	NO	PARTIAL	NO	NO	PARTIAL	NO

2016

BOL: Not all hospitals with transfusion services have an active committee.

CRI: It has the National Transfusion Safety Commission, which is not active at this time. It also has intra-hospital transfusion committees in some hospitals. Estimate of 100,000 units.

CUB: Data 2014.

GTM: In 2016, there were 12 hospital transfusion committees in the services of Ministry of Public Health and Social Assistance.

MEX: In the process of authorization of the registration documents.

NIC: Some hospitals.

PAN: Only 4 blood services have transfusion committees.

PRY: In process of implementation at the national level.

2017

ARG: Implemented in provinces with more complex hospitals.

BOL: Not all hospitals have an active committee.

CRI: There is an executive decree, but it is not active. They are not established in all the hospitals of the Costa Rican Social Security Fund.

HND: There are six intra-hospitals committees.

MEX: There are 5,010 hospitals that perform blood transfusions (estimated data), only 320 have hospital transfusion committees and mechanisms to report adverse incidents and adverse reactions related to transfusions. Mexican legislation stipulates that the intrahospital transfusion committee must establish those who regularly transfuse 50 or more units of blood or components per month.

NIC: Of the 43 hospitals that perform blood transfusions (estimated data), 13 have hospital transfusion committees.

PRY: There are committees, but they do not carry out activities.

Table 17. FINANCING AND COSTS OF BLOOD SERVICES

R	COUNTRY	NAME	2016										2017									
			ANNUAL REPORT OF ACTIVITIES	SYSTEM OF COST-RECOVERY	FINANCIAL SUPPORT FROM INTERNATIONAL AGENCIES/ ORGANIZATIONS	TECHNICAL SUPPORT FROM INTERNATIONAL AGENCIES/ ORGANIZATIONS	ESTIMATED TOTAL FUNDING				APPROXIMATE COST (IN US DOLLARS) OF PRODUCING:		ANNUAL REPORT OF ACTIVITIES	SYSTEM OF COST-RECOVERY	FINANCIAL SUPPORT FROM INTERNATIONAL AGENCIES/ ORGANIZATIONS	TECHNICAL SUPPORT FROM INTERNATIONAL AGENCIES/ ORGANIZATIONS	ESTIMATED TOTAL FUNDING				APPROXIMATE COST (IN US DOLLARS) OF PRODUCING:	
							TOTAL	FROM NATIONAL GOVERNMENT	FROM FEES AND COST RECOVERY	FROM EXTERNAL DONORS	WHOLE BLOOD	RED BLOOD CELLS					TOTAL	FROM NATIONAL GOVERNMENT	FROM FEES AND COST RECOVERY	FROM EXTERNAL DONORS	WHOLE BLOOD	RED BLOOD CELLS
CS	ARG	ARGENTINA	NO	YES	YES	YES	180,000,000	1	0	0	100	80	NO	YES	YES*	YES*	180,000,000	90,000,000	90,000,000	0	100	80
AND	BOL	BOLIVIA	NO	YES	NO	YES	63,274	63,274	0	0	36	29	NO	YES	NO	YES*	63,274	63,274	0	0	36	29
BRA	BRA	BRAZIL	YES	YES	NO	NO	0	NR	NR	NR	NR	NR	YES	YES	NO	NO	0	NR	NR	NR	NR	NR
CS	CHL	CHILE	NO	NO	NO	YES	18,052,851	18,052,851	0	0	27	75	NO	NO	NO	YES*	17,536,232	100	0	0	26	71
AND	COL	COLOMBIA	YES	YES	NO	YES	0	NR	NR	NR	NR	NR	YES	YES	NO	NO	0	NR	NR	NR	NR	NR
CAM	CRI	COSTA RICA	NO	YES	NO	YES	0	NR	NR	NR	120	40	NO	YES	NO	YES*	0	NR	NR	NR	120	40
CH	CUB	CUBA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	YES	NO	NO	NR	0	NR	NR	NR	NR	NR
AND	ECU	ECUADOR	YES	YES	YES	YES	0	NR	NR	NR	NR	53	YES	YES	YES	YES*	0	NR	NR	NR	NA	53
CAM	SLV	EL SALVADOR	YES	NO	YES	YES	0	NR	NR	NR	110	60	YES	NO	YES	YES*	0	NO	NO	NO	55	NR
CAM	GTM	GUATEMALA	NO	NO	YES	YES	0	NR	NO	NR	NR	NR	NO	NO	YES*	YES*	0	NR	NR	NR	NR	NR
CAM	HND	HONDURAS	NO	YES	NO	YES	0	NR	NR	NR	NR	NR	YES	YES	NO	YES*	0	NR	NR	NR	NR	NR
MEX	MEX	MEXICO	YES	YES	NO	NO	5,047,121	5,047,121	0	0	NA*	123	YES	YES	NO	NO	5,047,122	5,047,122	0	0	NA	123
CAM	NIC	NICARAGUA	NO	YES	YES	YES	5,720,000	1	0	0	16	16	NO	YES	YES*	YES*	0	1	0	0	25	25
CAM	PAN	PANAMA	YES	NO	NO	YES	97,500	97,500	0	0	NR	NR	YES	NO	NO	YES*	0	NR	NR	0	NR	NR
CS	PRY	PARAGUAY	YES	YES	YES	YES	3,959,624	3,890,023	69,601	400,000*	NR	45	YES	YES	NO	YES*	1,003,236	1,001,436	1,800	NR	NR	45
AND	PER	PERU	YES	YES	NO	NO	0	NR	NR	NR	NR	NR	YES	NO	NO	YES*	0	NR	NR	NR	NR	NR
CH	DOM	DOMINICAN REPUBLIC	YES	YES	YES	YES	0	NR	NR	NR	NR	NR	YES	YES	YES*	YES*	0	NR	NR	NR	NR	NR
CS	URY	URUGUAY	YES	NO	NO	NO	0	NR	NR	NR	NR	NR	YES	NO	NO	NO	0	NR	NR	NR	NR	NR

2016

MEX: The budget corresponds only to the National Center for Blood Transfusion. Whole blood is not used for transfusion therapy, so the cost per unit is not estimated.

PRY: Funding from external donors is not reflected in the total funding, since these contributions are not annual but per project.

2017

ARG: World Bank, project, essential public health functions. GCIAMT, PAHO, AABB.

BOL: PAHO.

CHL: French Blood Establishment, PAHO.

CRI: PAHO.

ECU: PAHO.

DOM: During the previous 5 years, CDC support for specific issues. PAHO.

SLV: National Blood Center, Italy.

GTM: PAHO, JICA, IILA.

HND: PAHO.

NIC: Grand Duchy of Luxembourg (Luxdev). PAHO.

PAN: PAHO.

PRY: PAHO, Hema-Quebec, GCIAMT.

Table 18. CONSUMABLES STOCK

R	COUNTRY	NAME	2016				2017			
			DID STOCKS OF ANY OF THE FOLLOWING CONSUMABLES RUN OUT				DID STOCKS OF ANY OF THE FOLLOWING CONSUMABLES RUN OUT			
			BLOOD COLLECTION BAGS	EQUIPMENT AND TEST KITS FOR SEROLOGY	REAGENTS FOR ROUTINE BLOOD GROUPING	OTHERS	BLOOD COLLECTION BAGS	EQUIPMENT AND TEST KITS FOR SEROLOGY	REAGENTS FOR ROUTINE BLOOD GROUPING	OTHERS
CS	ARG	ARGENTINA	NO	NO	NO	NO	NO	NO	NO	NO
AND	BOL	BOLIVIA	NO	NO	NO	NO	NO	NO	NO	NO
BRA	BRA	BRAZIL	NO	NO	NO	NO	NO	NO	NO	NO
CS	CHL	CHILE	NO	NO	NO	NO	NO	NO	NO	NR
AND	COL	COLOMBIA	NO	NO	NO	NO	NO	NO	NO	NR
CAM	CRI	COSTA RICA	NO	NO	YES	NO	NO	NO	NO	NO
CH	CUB	CUBA	NO	NO	NO	NO	NR	NR	NR	NR
AND	ECU	ECUADOR	NO	NO	NO	NO	NO	NO	NO	NO
CAM	SLV	EL SALVADOR	NO	NO	NO	NO	NR	NR	NR	NR
CAM	GTM	GUATEMALA	YES	YES	YES	YES*	YES	YES	YES	YES
CAM	HND	HONDURAS	NO	NO	NO	NO	NO	NO	NO	NR
MEX	MEX	MEXICO	NO	NO	NO	NO	NO	NO	NO	NO
CAM	NIC	NICARAGUA	NO	NO	NO	NO	NO	NO	NO	NO
CAM	PAN	PANAMA	NO	NO	NO	NO	NO	NO	NO	NR
CS	PRY	PARAGUAY	NO	NO	NO	NO	NO	NO	NO	NO
AND	PER	PERU	NR	NR	NR	NR	YES	YES	NO	YES*
CH	DOM	DOMINICAN REPUBLIC	NO	NO	NO	NO	NO	NO	NO	NO
CS	URY	URUGUAY	NO	NO	NO	NO	NO	NO	NO	NO

GTM: Fuel, per diem, promotional materials, Coombs' reagent, tubes, equipment for transfusion.

PER: Reagents for immunohematological studies as cross tests.

Table 19. NOTIFICATION SYSTEMS

R	COUNTRY	NAME	2016										2017										
			OWN BUDGET FOR THE BLOOD DONOR NATIONAL PROGRAMME	CELEBRATION OF WORLD BLOOD DONOR DAY	REGISTER-DATABASE FOR BLOOD DONORS	DONOR SELECTION CRITERIA	DONOR NOTIFICATION SYSTEM FOR POSITIVE TEST RESULTS:					SYSTEM OF POST-DONATION COUNSELLING AND REFERRAL TO CARE CENTER	OWN BUDGET FOR THE BLOOD DONOR NATIONAL PROGRAMME	CELEBRATION OF WORLD BLOOD DONOR DAY	REGISTER-DATABASE FOR BLOOD DONORS	DONOR SELECTION CRITERIA	DONOR NOTIFICATION SYSTEM FOR POSITIVE TEST RESULTS:					SYSTEM OF POST-DONATION COUNSELLING AND REFERRAL TO CARE CENTER	
							HIV	HEPATITIS B	HEPATITIS C	SYPHILIS	OTHER						HIV	HEPATITIS B	HEPATITIS C	SYPHILIS	OTHER		
CS	ARG	ARGENTINA	YES	YES	YES	YES	YES	YES	YES	YES	YES	Brucellosis y HTLV I-II	YES	YES	YES	YES	YES	YES	YES	YES	YES	Chagas, Brucellosis y HTLV I-II	YES
AND	BOL	BOLIVIA	YES	YES	YES	YES	YES	YES	YES	YES	YES	Chagas	NO	YES	YES	YES	YES	YES	YES	YES	YES	Chagas	NO
BRA	BRA	BRAZIL	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO
CS	CHL	CHILE	NO	YES	YES	YES	YES	YES	YES	YES	YES	Chagas, HTLV	YES	NO	YES*	YES	YES	YES	YES	YES	YES	YES*	YES*
AND	COL	COLOMBIA	NO	YES	YES	YES	YES	YES	YES	YES	YES	Chagas, HTLV I-II	YES	YES	YES	YES	YES	YES	YES	YES	YES	Chagas, HTLV I-II	YES
CAM	CRI	COSTA RICA	NO	YES	YES	NO	YES	YES	YES	YES	YES	Chagas, HTLV I-II	YES	NO	YES	NO	YES	YES	YES	YES	YES	YES	YES
CH	CUB	CUBA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	YES	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
AND	ECU	ECUADOR	YES	YES	YES	YES	YES	YES	YES	YES	YES	CMV, HTLV I-II	YES	NO	YES	YES	YES	YES	YES	YES	YES	CMV, HTLV I-II	YES
CAM	SLV	EL SALVADOR	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	YES	YES	NO	YES	NO	NO	NO	NO	NO
CAM	GTM	GUATEMALA	NO	YES	YES	YES	PARTIAL	PARTIAL	PARTIAL	PARTIAL	PARTIAL	Chagas	PARTIAL*	NO	YES	YES	YES	YES	YES	YES	YES	Chagas	YES
CAM	HND	HONDURAS	NO	YES	NO	YES	YES	YES	YES	YES	YES	NO	NO	NO	YES	YES	NO	YES	YES	YES	YES	YES	YES
MEX	MEX	MEXICO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
CAM	NIC	NICARAGUA	YES	YES	YES	YES	YES	YES	YES	YES	YES	Chagas	YES	YES	YES	YES	YES	YES	YES	YES	YES	Chagas	YES
CAM	PAN	PANAMA	NO	YES	YES	YES	YES	YES	YES	YES	YES	HTLV I-II	YES	NO	YES	YES	YES	YES	YES	YES	YES	Chagas, HTLV I-II	YES
CS	PRY	PARAGUAY	YES	YES	YES	YES	YES	YES	YES	YES	NO	Chagas	YES	YES	YES	YES	YES	YES	YES	YES	NO	Chagas	YES
AND	PER	PERU	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	YES	YES	NO	YES	YES	YES	YES	YES	YES
CH	DOM	DOMINICAN REPUBLIC	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES
CS	URY	URUGUAY	NO	YES	YES	YES	YES	YES	YES	YES	YES	HTLV I-II, Chagas, CMV	YES	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES

CHL: The system includes notification to the donor of the presence of irregular antibodies and sensitized red blood cells. Post-donation counseling is done through the respective hospital center.

GTM: Donors are notified partially, not in all services.

Table 20. COUNTRIES THAT FRACTION AND MANUFACTURE MEDICINAL PRODUCTS DERIVATIVES OF PLASMA (PMDP)

R	COUNTRY	2016								2017							
		PLASMA FRACTIONATION			MANUFACTURING OF PDMP					PLASMA FRACTIONATION			MANUFACTURING OF PDMP				
		PLASMA FRACTIONATION IS CARRIED OUT THROUGH THE PUBLIC/ NOT FOR PROFIT SECTOR	PLASMA FRACTIONATION IS CARRIED OUT THROUGH THE PUBLIC/ FOR PROFIT SECTOR	THERE IS AN AGREEMENT WITH ANOTHER COUNTRY FOR THE SHIPPING OF PLASMA TO BE FRACTIONED	PDMP MANUFACTURED BY FRACTIONATION WITHIN THE COUNTRY OR THROUGH CTRACT FRACTIONATION					PLASMA FRACTIONATION IS CARRIED OUT THROUGH THE PUBLIC/ NOT FOR PROFIT SECTOR	PLASMA FRACTIONATION IS CARRIED OUT THROUGH THE PUBLIC/ FOR PROFIT SECTOR	THERE IS AN AGREEMENT WITH ANOTHER COUNTRY FOR THE SHIPPING OF PLASMA TO BE FRACTIONED	PDMP MANUFACTURED BY FRACTIONATION WITHIN THE COUNTRY OR THROUGH CTRACT FRACTIONATION				
					ALBUMIN	INTRAVENOUS IMMUNOGLOBULIN (IVIG)	FACTOR VIII	FACTOR IX	OTHER				ALBUMIN	INTRAVENOUS IMMUNOGLOBULIN (IVIG)	FACTOR VIII	FACTOR IX	OTHER
CS	ARG	YES	NO	NO	YES	YES	YES	YES	Prothrombin complex - Ig. Anti RH	YES	NO	NO	YES	YES	YES	YES	Prothrombin complex - Ig. Anti RH RH
BRA	BRA	YES	NO	YES	YES	YES	NO	NO	NR	YES	NO	YES	YES	YES	YES	YES	Fibrinogen, prothrombin complex, partially activated prothrombin complex, Factor XIII, Factor VIII with VW and recombinant Factor VIII
CS	CHL	NO	NO	YES*	YES	YES	NO	NO	NO	NO	NO	YES*	YES	YES	YES	NO	NR
CH	CUB*	YES	NO	NO	YES	YES	NR	NR	Human Immunoglobulin AntiD	YES	NO	NO	YES	YES	NO	NO	Transfer factor
AND	MEX	NO	NO	PARTIAL	YES	YES	YES	YES	NR	YES	NO	NO	YES	YES	YES	YES	NR
CS	PRY	YES	NO	YES*	YES	YES	NO	NO	NO	YES	NO	YES*	YES	YES	NO	NO	NO
CS	URY	NO	NO	YES*	YES	YES	YES	NO	NR	YES	NO	YES*	YES	YES	YES	YES	Activated factor VII and prothrombin complex

2016

BRA: Agreement with an institution in France.

CHL: Agreement with the National University of Córdoba (Argentina).

PRY: Agreement with the National University of Córdoba (Argentina).

URU: Agreement with the National University of Córdoba (Argentina).

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COUNTRY DATA

THE CARIBBEAN 2016-2017

Table 1. BLOOD COLLECTION, 2016-2017

R	COUNTRY	NAME	2016	2017	2016	2017	2016	2017
			TOTAL UNITS COLLECTED	TOTAL UNITS COLLECTED	NUMBER OF AUTOLOGOUS DONORS	NUMBER OF AUTOLOGOUS DONORS	BLOOD DONATION RATE PER 1000 PEOPLE	BLOOD DONATION RATE PER 1000 PEOPLE
CNH	AIA	ANGUILLA	133	191	0	0	7.8	11.2
CNH	ABW	ARUBA	3,065	2,513	0	0	28.9	23.7
CNH	BHS	BAHAMAS	5,747	5,604	8	8	14.4	14.0
CNH	BRB	BARBADOS	5,238	5,290	66	47	18.3	18.3
CNH	BLZ	BELIZE	5,826	6,092	0	0	15.3	15.9
CNH	BMU	BERMUDA	2,023	1,603	0	0	28.5	22.6
CNH	CYM	CAYMAN ISLANDS	1,273	1,555	0	0	21.2	25.9
CNH	CUW	CURAÇAO	6,429	5,665	0	0	39.7	35.0
CNH	DMA	DOMINICA	1,165	961	0	0	15.7	13.0
CNH	GUY	GUYANA	10,195	9,755	0	0	13.7	12.5
CNH	HTI	HAITI	25,699	28,018	0	0	2.4	2.6
CNH	JAM	JAMAICA	31,554	32,155	183	126	10.9	11.0
CNH	KNA	SAINT KITTS & NEVIS	542	570	1	0	12.3	13.0
CNH	LCA	SAINT LUCIA	2,558	2,780	0	4	14.2	15.4
CNH	VCT	SAINT VINCENT & THE GRENADINES	1,113	1,319	10	12	10.1	11.9
CNH	SUR	SURINAME	10,432	10,270	3	0	18.4	18.1
CNH	TCA	TURKS & CAICOS ISLANDS	465	466	0	0	16.6	16.6
CNH	TTO	TRINIDAD & TOBAGO	21,975	21,560	100	77	15.6	15.6

Note: the following codes correspond to all the Tables in this section.

R: region.

CNH: Non-Spanish-speaking Caribbean

NR: Not Reported.

Table 2. BLOOD COLLECTION FROM ALLOGENEIC DONORS, 2016-2017

R	COUNTRY	NAME	2016	2017	2016			2017		
			TOTAL UNITS COLLECTED	TOTAL UNITS COLLECTED	PERCENTAGE OF ALLOGENEIC DONORS			PERCENTAGE OF ALLOGENEIC DONORS		
					% VOLUNTARY	% REPLACEMENT	% REMUNERATED	% VOLUNTARY	% REPLACEMENT	% REMUNERATED
CNH	AIA	ANGUILLA	133	191	63.9	36.1	0	46.1	53.9	0
CNH	ABW	ARUBA	3,065	2,513	100.0	0.0	0	100.0	0.0	0
CNH	BHS	BAHAMAS	5,739	5,596	28.1	71.9	0	23.8	76.2	0
CNH	BRB	BARBADOS	5,172	5,243	12.0	88.0	0	10.6	89.4	0
CNH	BLZ	BELIZE	5,826	6,092	13.6	86.4	0	11.2	88.8	0
CNH	BMU	BERMUDA	2,023	1,603	100.0	0.0	0	100.0	0.0	0
CNH	CYM	CAYMAN ISLANDS	1,273	1,555	100.0	0.0	0	100.0	0.0	0
CNH	CUW	CURAÇAO	6,429	5,665	100.0	0.0	0	100.0	0.0	0
CNH	DMA	DOMINICA	1,165	961	8.7	91.3	0	17.8	82.2	0
CNH	GUY	GUYANA	10,195	9,755	100.0	0.0	0	100.0	0.0	0
CNH	HTI	HAITI	25,699	28,018	39.7	60.3	0	41.3	58.7	0
CNH	JAM	JAMAICA	31,371	32,029	35.8	64.2	0	20.9	79.1	0
CNH	KNA	SAINT KITTS & NEVIS	542	570	5.9	94.1	0	4.4	95.6	0
CNH	LCA	SAINT LUCIA	2,558	2,776	51.2	48.8	0	56.3	43.7	0
CNH	VCT	SAINT VINCENT & THE GRENADINES	1,113	1,307	10.0	90	0	8.4	91.6	0
CNH	SUR	SURINAME	10,432	10,270	100.0	0.0	0	100.0	0.0	0
CNH	TCA	TURKS & CAICOS ISLANDS	465	466	100.0	0.0	0	100.0	0.0	0
CNH	TTO	TRINIDAD & TOBAGO	21,875	21,483	20.3	79.7	0	24.0	76.0	0

Table 2.1. BLOOD COLLECTION ACCORDING TO THE SITE

R	COUNTRY	NAME	2016	2017	2016								2017							
			TOTAL UNITS COLLECTED	TOTAL UNITS COLLECTED	TOTAL UNITS COLLECTED	% VOLUNTARY		% REPLACEMENT		% REMUNERATED		TOTAL (%)	TOTAL UNITS COLLECTED	% VOLUNTARY		% REPLACEMENT		% REMUNERATED		TOTAL (%)
						ON SITE	EM	ON SITE	EM	ON SITE	EM			ON SITE	EM	ON SITE	EM			
CNH	AIA	ANGUILLA	133	191	133	63.9	0.0	36.1	0.0	0	0	100	191	46.1	0.0	53.9	0	0	0	100
CNH	ABW	ARUBA	3,065	2,513	3,065	100.0	0.0	0.0	0.0	0	0	100	2,513	100.0	0.0	0.0	0	0	0	100
CNH	BHS	BAHAMAS	5,747	5,596	5,739	10.2	17.9	71.3	0.7	0	0	100	5,588	5.5	17.6	76.6	0	0	0	100
CNH	BRB	BARBADOS	5,238	5,243	5,172	12.0	0.0	88.0	0.0	0	0	100	5,196	10.6	0.0	89.4	0	0	0	100
CNH	BLZ	BELIZE	5,826	6,092	5,826	4.4	9.2	86.4	0.0	0	0	100	6,092	4.4	6.7	88.8	0	0	0	100
CNH	BMU	BERMUDA	2,023	1,603	2,023	100.0	0.0	0.0	0.0	0	0	100	1,603	100.0	0.0	0.0	0	0	0	100
CNH	CYM	CAYMAN ISLANDS	1,273	1,555	1,273	100.0	0.0	0.0	0.0	0	0	100	1,555	100.0	0.0	0.0	0	0	0	100
CNH	CUW	CURAÇAO	6,429	5,665	6,429	100.0	0.0	0.0	0.0	0	0	100	5,665	100.0	0.0	0.0	0	0	0	100
CNH	DMA	DOMINICA	1,165	961	1,165	8.7	0.0	91.3	0.0	0	0	100	961	8.6	9.2	82.2	0	0	0	100
CNH	GUY	GUYANA	10,195	9,755	10,195	51.0	49.0	0.0	0.0	0	0	100	9,755	39.8	60.2	0.0	0	0	0	100
CNH	HTI	HAITI	25,699	28,018	25,699	13.1	26.7	60.3	0.0	0	0	100	28,018	10.0	31.3	58.7	0	0	0	100
CNH	JAM	JAMAICA	31,554	32,029	31,371	18.6	17.2	64.2	0.0	0	0	100	26,804	20.9	0.0	79.1	0	0	0	100
CNH	KNA	SAINT KITTS & NEVIS	542	570	541	5.9	0.0	94.1	0.0	0	0	100	570	4.4	0.0	95.6	0	0	0	100
CNH	LCA	SAINT LUCIA	2,558	2,776	2,558	3.1	48.1	26.3	22.4	0	0	100	2,772	3.2	53.1	40.9	3	0	0	100
CNH	VCT	SAINT VINCENT & THE GRENADINES	1,113	1,307	1,103	11.1	0.0	88.9	0.0	0	0	100	1,295	8.4	0.0	91.6	0	0	0	100
CNH	SUR	SURINAME	10,432	10,270	10,429	89.2	10.8	0.0	0.0	0	0	100	10,270	100.0	0.0	0.0	0	0	0	100
CNH	TCA	TURKS & CAICOS ISLANDS	465	466	465	100.0	0.0	0.0	0.0	0	0	100	0	0.0	0.0	0.0	0	0	0	0
CNH	TTO	TRINIDAD & TOBAGO	21,875	21,483	21,875	100	0.0	100	0.0	0	0	100	21,406	22.1	1.8	76.0	0	0	0	100

IM: Intramural.

EX: Extramural.

Table 3. SELECTION OF ALLOGENEIC DONORS

R	COUNTRY	NAME	2016									2017										
			TOTAL UNITS COLLECTED	VOLUNTARY			REPLACEMENT			REMUNERATED			TOTAL UNITS COLLECTED	VOLUNTARY			REPLACEMENT			REMUNERATED		
				INTERVIEWED	DEFERRED	INCOMPLETE	INTERVIEWED	DEFERRED	INCOMPLETE	INTERVIEWED	DEFERRED	INCOMPLETE		INTERVIEWED	DEFERRED	INCOMPLETE	INTERVIEWED	DEFERRED	INCOMPLETE	INTERVIEWED	DEFERRED	INCOMPLETE
CNH	AIA	ANGUILLA	133	85	0	0	49	1	0	0	0	0	191	0	0	0	0	0	0	0	0	0
CNH	ABW	ARUBA	3,065	3,211	75	71	0	0	0	0	0	0	2,513	0	0	0	0	0	0	0	0	0
CNH	BHS	BAHAMAS	5,739	2,134	493	31	5,180	979	72	0	0	0	5,596	1,603	293	17	5,829	1,455	79	0	0	0
CNH	BRB	BARBADOS	5,172	623	0	0	5,655	1,028	78	0	0	0	5,243	551	0	0	5,674	960	69	0	0	0
CNH	BLZ	BELIZE	5,826	988	192	1	7,625	2,562	32	0	0	0	6,092	859	179	0	8,396	2,972	12	0	0	0
CNH	BMU	BERMUDA	2,023	2,311	245	0	0	0	0	0	0	0	1,603	1,829	187	39	0	0	0	0	0	0
CNH	CYM	CAYMAN ISLANDS	1,273	1,434	152	9	0	0	0	0	0	0	1,555	1,709	136	18	0	0	0	0	0	0
CNH	CUW	CURAÇAO	6,429	6,791	10	352	0	0	0	0	0	0	5,665	5,892	12	215	0	0	0	0	0	0
CNH	DMA	DOMINICA	1,165	102	0	1	1,610	529	17	0	0	0	961	173	0	2	1,198	399	9	0	0	0
CNH	GUY	GUYANA	10,195	11,594	599	5	0	0	0	0	0	0	9,755	11,616	1,846	15	0	0	0	0	0	0
CNH	HTI	HAITI	25,699	14,637	4,434	0	21,326	5,830	0	0	0	0	28,018	17,376	5,793	0	24,068	7,633	0	0	0	0
CNH	JAM	JAMAICA	31,371	11,246	0	0	20,125	0	0	0	0	0	32,029	5,612	0	0	21,192	0	0	0	0	0
CNH	KNA	SAINT KITTS Y NEVIS	542	32	0	0	509	0	0	0	0	0	570	25	0	0	545	0	0	0	0	0
CNH	LCA	SAINT LUCIA	2,558	1,557	217	26	1,678	394	31	0	0	0	2,776	1,831	236	34	1,558	336	11	0	0	0
CNH	VCT	SAINT VINCENT & THE GRENADINES	1,113	179	57	0	2,020	1,009	30	0	0	0	1,307	171	62	0	2,499	1,265	48	0	0	0
CNH	SUR	SURINAME	10,432	12,450	1,846	175	0	0	0	0	0	0	10,270	10,270	0	188	0	0	0	0	0	0
CNH	TCA	TURKS and CAICOS ISLANDS	465	510	39	6	0	0	0	0	0	0	466	466	42	0	0	0	0	0	0	0
CNH	TTO	TRINIDAD & TOBAGO	21,875	6,104	1,644	0	32,188	14,621	0	0	0	0	21,483	7,272	2,139	0	31,323	15,050	0	0	0	0

Table 4. DEFERRAL OF ALLOGENEIC DONORS

R	COUNTRY	NAME	2016								2017							
			TOTAL UNITS COLLECTED	VOLUNTARY		REPLACEMENT		REMUNERATED		TOTAL (%)	TOTAL UNITS COLLECTED	VOLUNTARY		REPLACEMENT		REMUNERATED		TOTAL (%)
				NUMBER INTERVIEWED	% DEFERRED	NUMBER INTERVIEWED	% DEFERRED	NUMBER INTERVIEWED	% DEFERRED			NUMBER INTERVIEWED	% DEFERRED	NUMBER INTERVIEWED	% DEFERRED	NUMBER INTERVIEWED	% DEFERRED	
CNH	AIA	ANGUILLA	133	85	0.0	49	2.0	0	0	0.7	191	0	0.0	0	0.0	0	0	0.0
CNH	ABW	ARUBA	3,065	3,211	2.3	0	0.0	0	0	2.3	2,513	0	0.0	0	0.0	0	0	0.0
CNH	BHS	BAHAMAS	5,739	2,134	23.1	5,180	18.9	0	0	20.1	5,596	1,603	18.3	5,829	25.0	0	0	23.5
CNH	BRB	BARBADOS	5,172	623	0.0	5,655	18.2	0	0	16.4	5,243	551	0.0	5,674	16.9	0	0	15.4
CNH	BLZ	BELIZE	5,826	988	19.4	7,625	33.6	0	0	32.0	6,092	859	20.8	8,396	35.4	0	0	34.0
CNH	BMU	BERMUDA	2,023	2,311	10.6	0	0.0	0	0	10.6	1,603	1,829	10.2	0	0.0	0	0	10.2
CNH	CYM	CAYMAN ISLANDS	1,273	1,434	10.6	0	0.0	0	0	10.6	1,555	1,709	8.0	0	0.0	0	0	8.0
CNH	CUW	CURAÇAO	6,429	6,791	0.1	0	0.0	0	0	0.1	5,665	5,892	0.2	0	0.0	0	0	0.2
CNH	DMA	DOMINICA	1,165	101	0.0	1,610	32.9	0	0	30.9	961	173	0.0	1,198	33.3	0	0	29.1
CNH	GUY	GUYANA	10,195	11,594	6.5	0	0.0	0	0	6.5	9,755	11,616	15.9	0	0.0	0	0	15.9
CNH	HTI	HAITI	25,699	14,637	30.3	21,326	27.3	0	0	28.5	28,018	17,376	33.3	24,068	31.7	0	0	32.4
CNH	JAM	JAMAICA	31,371	11,246	0.0	20,125	0.0	0	0	0.0	32,029	5,612	0.0	21,192	0.0	0	0	0.0
CNH	KNA	SAINT KITTS & NEVIS	542	32	0.0	509	0.0	0	0	0.0	570	25	0.0	545	0.0	0	0	0.0
CNH	LCA	SAINT LUCIA	2,558	2,026	13.9	1,319	23.5	0	0	18.9	2,776	1,831	12.9	1,558	21.6	0	0	16.9
CNH	VCT	SAINT VINCENT & THE GRENADINES	1,113	179	31.8	2,020	50.0	0	0	48.5	1,307	171	36.3	2,499	50.6	0	0	49.7
CNH	SUR	SURINAME	10,432	11,982	14.8	0	0.0	0	0	14.8	10,270	188	0.0	0	0.0	0	0	0.0
CNH	TCA	TURKS & CAICOS ISLANDS	465	510	7.6	0	0.0	0	0	7.6	466	466	9.0	0	0.0	0	0	9.0
CNH	TTO	TRINIDAD & TOBAGO	21,875	6,104	27.2	32,188	45.84	0	0	43.6	21,483	7,272	29.4	31,323	48.0	0	0	44.5

Table 4.1. VOLUNTARY DONATIONS FROM FIRST-TIME AND REPEAT DONORS

R	COUNTRY	NAME	2016								2017							
			TOTAL NUMBER OF VOLUNTARY BLOOD DONATIONS	FIRST-TIME		REPEAT		NO DATA		TOTAL (%)	TOTAL NUMBER OF VOLUNTARY BLOOD DONATIONS	FIRST-TIME		REPEAT		NO DATA		TOTAL (%)
				NUMBER	%	NUMBER	%	NUMBER	%			NUMBER	%	NUMBER	%	NUMBER	%	
CNH	AIA	ANGUILLA	85	0	0	85	100	0	0	100	88	0	0	0	0	88	100	100
CNH	ABW	ARUBA	3,065	209	7	2,856	93	0	0	100	2,513	0	0	0	0	2,513	100	100
CNH	BHS	BAHAMAS	1,610	914	57	696	43	0	0	100	1,293	341	26	919	71	33	3	100
CNH	BRB	BARBADOS	623	0	0	0	0	623	100	100	0	0	0	0	0	0	0	0
CNH	BLZ	BELIZE	795	473	59	322	41	0	0	100	680	0	0	0	0	680	100	100
CNH	BMU	BERMUDA	2,023	159	8	1,864	92	0	0	100	1,444	114	8	1,330	92	0	0	100
CNH	CYM	CAYMAN ISLANDS	1,273	154	12	1,119	88	0	0	100	1,555	347	22	1,208	78	0	0	100
CNH	CUW	CURAÇAO	6,429	0	0	0	0	6,429	100	100	5,665	0	0	0	0	5,665	100	100
CNH	DMA	DOMINICA	101	19	19	82	81	0	0	100	171	17	10	77	45	77	45	100
CNH	GUY	GUYANA	10,195	2,482	26	7,220	74	0	0	100	9,725	3,013	31	6,712	69	0	0	100
CNH	HTI	HAITI	10,203	0	0	0	0	10,203	100	100	28,018	0	0	0	0	28,018	100	100
CNH	JAM	JAMAICA	11,246	0	0	0	0	11,246	100	100	5,612	0	0	0	0	5,612	100	100
CNH	KNA	SAINT KITTS & NEVIS	32	0	0	0	0	32	100	100	25	0	0	0	0	25	100	100
CNH	LCA	SAINT LUCIA	1,310	481	37	829	63	0	0	100	1,561	587	38	974	62	0	0	100
CNH	VCT	SAINT VINCENT & THE GRENADINES	144	122	85	0	0	22	15	100	1,307	0	0	0	0	1,307	100	100
CNH	SUR	SURINAME	10,432	0	0	0	0	10,432	100	100	10,270	0	0	0	0	10,270	100	100
CNH	TCA	TURKS & CAICOS ISLANDS	465	0	0	0	0	465	100	100	466	0	0	0	0	466	100	100
CNH	TTO	TRINIDAD & TOBAGO	4,444	1,092	25	3,352	85	0	0	100	4,737	1,180	25	3,557	75	0	0	100

Table 4.3. NUMBER OF DEFERRED DONORS (ACCORDING TO THE CAUSE)

R	COUNTRY	NAME	2016							2017						
			TOTAL	LOW WEIGHT	LOW HAEMOGLOBIN	ANOTHER MEDICAL AFFECTIONS	HIGH-RISK BEHAVIOR	TRAVEL HISTORY	OTHER	TOTAL	LOW WEIGHT	LOW HAEMOGLOBIN	ANOTHER MEDICAL AFFECTIONS	HIGH-RISK BEHAVIOR	TRAVEL HISTORY	OTHER
CNH	AIA	ANGUILLA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNH	ABW	ARUBA	0	0	0	0	0	0	0	164	0	0	0	0	0	164
CNH	BHS	BAHAMAS	1,991	12	1,382	466	66	45	20	1,609	6	1,123	307	47	7	119
CNH	BRB	BARBADOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNH	BLZ	BELIZE	2,415	30	752	655	495	33	450	3,151	31	1,060	849	273	29	909
CNH	BMU	BERMUDA	245	0	122	89	12	3	19	187	0	75	78	5	11	18
CNH	CYM	CAYMAN ISLANDS	152	0	82	36	0	17	17	135	0	54	37	2	11	31
CNH	CUW	CURAÇAO	10	0	0	4	0	6	0	12	0	0	5	0	7	0
CNH	DMA	DOMINICA	529	3	124	168	100	27	107	363	0	91	135	81	5	51
CNH	GUY	GUYANA	652	75	163	112	199	20	83	1,365	40	748	87	351	8	131
CNH	HTI	HAITI	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNH	JAM	JAMAICA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNH	KNA	SAINT KITTS & NEVIS	288	1	101	49	0	8	129	253	1	70	46	9	2	125
CNH	LCA	SAINT LUCIA	461	1	77	142	225	0	16	619	3	125	206	104	0	181
CNH	VCT	SAINT VINCENT & THE GRENADINES	1,069	13	553	117	34	10	342	1,330	14	601	151	50	15	499
CNH	SUR	SURINAME	1,815	0	1,328	343	130	0	14	1,815	0	1,328	348	130	0	14
CNH	TCA	TURKS & CAICOS ISLANDS	39	0	19	12	8	0	0	42	2	21	11	4	0	4
CNH	TTO	TRINIDAD & TOBAGO	0	0	0	0	0	0	0	17,219	168	7,691	2,138	1,172	706	5,344

Table 4.4. NUMBER OF UNITS COLLECTED BY AGE GROUPS

R	COUNTRY	NAME	2016									2017								
			<18 years	18 to 24 years	25 to 44 years	45 to 65 years	>65 years	<=24	>24	TOTAL	<18 to 24	<18 years	18 to 24 years	25 to 44 years	45 to 65 years	>65 years	<=24	>24	TOTAL	<18 to 24
CNH	AIA	ANGUILLA	0	3	80	49	2	0	0	134	3	0	12	111	66	2	0	0	191	12
CNH	ABW	ARUBA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNH	BHS	BAHAMAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNH	BRB	BARBADOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNH	BLZ	BELIZE	0	1,105	3,751	962	8	0	0	5,826	1,105	0	1,205	3,839	1,038	10	0	0	6,092	1,205
CNH	BMU	BERMUDA	1	71	797	995	159	0	0	2,023	72	3	36	380	510	73	0	0	1,002	39
CNH	CYM	CAYMAN ISLANDS	4	119	579	501	70	0	0	1,273	123	4	149	815	506	81	0	0	1,555	153
CNH	CUW	CURAÇAO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNH	DMA	DOMINICA	0	202	676	296	9	0	0	1,183	202	1	140	496	266	0	0	0	903	141
CNH	GUY	GUYANA	1,243	2,212	3,575	4,203	5,46	0	0	9,698	2,642	216	2,368	4,908	2,200	33	0	0	9,725	2,584
CNH	HTI	HAITI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNH	JAM	JAMAICA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNH	KNA	SAINT KITTS & NEVIS	4	52	311	171	4	0	0	542	56	5	82	297	116	6	0	0	506	87
CNH	LCA	SAINT LUCIA	9	531	1,397	593	33	0	0	2,563	540	38	597	1,481	628	29	0	0	2,773	635
CNH	VCT	SAINT VINCENT & THE GRENADINES	4	152	675	268	14	0	0	1,113	156	7	179	784	313	24	0	0	1,307	186
CNH	SUR	SURINAME	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNH	TCA	TURKS & CAICOS ISLANDS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNH	TTO	TRINIDAD & TOBAGO	128	2,859	13,724	4,802	37	0	0	21,540	0	91	2,575	13,858	4,919	40	0	0	21,483	2,666

Table 4.5. NUMBER OF UNITS COLLECTED BY MALE AND FEMALE DONORS

R	COUNTRY	NAME	2016			2017		
			MEN	WOMEN	TOTAL UNITS COLLECTED	MEN	WOMEN	TOTAL UNITS COLLECTED
CNH	AIA	ANGUILLA	116	18	134	169	22	191
CNH	ABW	ARUBA	940	775	1,715	952	866	1,818
CNH	BHS	BAHAMAS	3,225	1,961	5,186	2,600	1,026	3,626
CNH	BRB	BARBADOS	3,250	1,988	5,238	3,189	2,054	5,243
CNH	BLZ	BELIZE	5,015	811	5,826	5,201	891	6,092
CNH	BMU	BERMUDA	894	1,129	2,023	718	885	1,603
CNH	CYM	CAYMAN ISLANDS	712	561	1,273	916	639	1,555
CNH	CUW	CURAÇAO	4,498	1,931	6,429	3,966	1,699	5,665
CNH	DMA	DOMINICA	779	404	1,183	583	320	903
CNH	GUY	GUYANA	6,513	3,682	10,195	5,992	3,763	9,755
CNH	HTI	HAITI	0	0	0	0	0	0
CNH	JAM	JAMAICA	0	0	0	0	0	0
CNH	KNA	SAINT KITTS & NEVIS	355	187	542	399	134	533
CNH	LCA	SAINT LUCIA	1,581	982	2,563	1,571	1,202	2,773
CNH	VCT	SAINT VINCENT & THE GRENADINES	858	255	1,113	935	372	1,307
CNH	SUR	SURINAME	0	0	0	0	0	0
CNH	TCA	TURKS & CAICOS ISLANDS	298	167	465	0	0	0
CNH	TTO	TRINIDAD & TOBAGO	16,413	5,453	21,866	16,598	5,009	21,607

Table 5. EFFICIENCY OF BLOOD PROCESSING

R	COUNTRY	NAME	2016					2017				
			NUMBER OF UNITS COLLECTED	NUMBER OF COLLECTING CENTERS	NUMBER OF PROCESSING CENTERS	ANNUAL PROCESSING PER BANK	DAILY PROCESSING PER BANK (260 DAYS)	NUMBER OF UNITS COLLECTED	NUMBER OF COLLECTING CENTERS	NUMBER OF PROCESSING CENTERS	ANNUAL PROCESSING PER BANK	DAILY PROCESSING PER BANK (260 DAYS)
CNH	AIA	ANGUILLA	133	1	1	133	1	191	1	1	191	1
CNH	ABW	ARUBA	3,065	1	1	3,065	12	2,513	1	1	2,513	10
CNH	BHS	BAHAMAS	5,747	3	3	1,916	7	5,596	3	3	1,865	7
CNH	BRB	BARBADOS	5,238	1	1	5,238	20	5,243	1	1	5,243	20
CNH	BLZ	BELIZE	5,826	7	1	5,826	22	6,092	7	1	6,092	23
CNH	BMU	BERMUDA	2,023	1	1	2,023	8	1,603	1	1	1,603	6
CNH	CYM	CAYMAN ISLANDS	1,273	3	3	424	2	1,555	3	3	518	2
CNH	CUW	CURAÇAO	6,429	1	1	6,429	25	5,665	1	1	5,665	22
CNH	DMA	DOMINICA	1,165	1	1	1,165	4	961	0	0	0	0
CNH	GUY	GUYANA	10,195	5	1	9,702	37	9,755	5	1	9,755	38
CNH	HTI	HAITI	25,699	1	1	25,699	99	28,018	1	1	28,018	108
CNH	JAM	JAMAICA	31,554	10	3	10,518	40	32,029	10	1	32,029	123
CNH	KNA	SAINT KITTS & NEVIS	542	1	1	542	2	570	1	1	570	2
CNH	LCA	SAINT LUCIA	2,558	3	1	2,558	10	2,776	2	1	2,776	11
CNH	VCT	SAINT VINCENT & THE GRENADINES	1,113	1	1	1,113	4	1,307	1	1	1,307	5
CNH	SUR	SURINAME	10,432	5	1	10,432	40	10,082	1	1	10,082	39
CNH	TCA	TURKS & CAICOS ISLANDS	465	2	1	465	2	466	1	2	233	1
CNH	TTO	TRINIDAD & TOBAGO	21,875	7	2	10,560	41	21,483	7	3	7,161	28

Table 7. PREVALENCE (%) OF INFECTIOUS MARKERS

R	COUNTRY	NAME	2016							2017						
			HIV	HBsAg	HCV	SYPHILIS	<i>T. cruzi</i>	HTLV I-II	Anti-HBc	HIV	HBsAg	HCV	SYPHILIS	<i>T. cruzi</i>	HTLV I-II	Anti-HBc
CNH	AIA	ANGUILLA	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNH	ABW	ARUBA	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNH	BHS	BAHAMAS	0.14	0.50	0.28	0.78	0.00	0.33	0.16	0.14	0.53	0.27	0.80	0.00	0.52	0.08
CNH	BRB	BARBADOS	0.23	0.31	0.33	1.62	0.00	0.48	0.00	0.13	0.19	0.40	1.32	0.00	0.32	0.00
CNH	BLZ	BELIZE	0.14	0.46	0.26	0.09	0.24	0.00	0.00	0.10	0.16	0.05	0.20	0.12	0.00	0.00
CNH	BMU	BERMUDA	0.00	0.00	0.50	0.50	0.00	0.50	0.15	0.06	0.00	0.00	0.00	0.00	0.00	0.18
CNH	CYM	CAYMAN ISLANDS	0.39	0.00	0.31	0.08	0.00	0.00	0.00	0.26	0.13	0.26	0.32	0.00	0.39	0.00
CNH	CUW	CURAÇAO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNH	DMA	DOMINICA	0.01	0.01	0.00	0.11	0.00	0.07	0.00	0.22	0.00	0.00	0.67	0.00	1.01	0.00
CNH	GUY	GUYANA	0.85	1.52	1.15	0.59	0.45	0.82	0.00	0.63	1.88	1.06	1.12	1.59	1.02	0.00
CNH	HTI	HAITI	0.61	3.26	0.68	2.55	0.00	0.77	0.00	0.53	2.34	0.55	1.57	0.00	0.54	0.00
CNH	JAM	JAMAICA	0.30	0.64	0.50	2.01	0.00	1.52	0.00	0.30	0.65	0.44	1.25	0.00	1.42	0.00
CNH	KNA	SAINT KITTS & NEVIS	0.00	2.58	0.74	1.85	0.00	2.58	0.00	0.00	3.85	0.18	0.52	0.00	0.88	0.00
CNH	LCA	SAINT LUCIA	0.16	0.51	0.08	0.90	0.00	0.78	0.00	0.14	0.43	0.07	0.94	0.00	0.25	0.00
CNH	VCT	SAINT VINCENT & THE GRENADINES	0.09	0.81	0.18	0.91	0.00	1.90	0.00	0.15	0.85	0.15	0.93	0.00	2.08	0.00
CNH	SUR	SURINAME	0.03	0.04	0.04	0.05	0.00	0.00	0.00	0.07	0.05	0.07	0.24	0.01	0.08	0.00
CNH	TCA	TURKS & CAICOS ISLANDS	0.00	0.86	0.43	0.43	0.00	0.22	8.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CNH	TTO	TRINIDAD & TOBAGO	0.19	0.17	0.11	1.11	0.06	0.41	0.00	0.23	0.92	0.42	1.12	0.24	1.09	0.00

Table 11.1. HOSPITALS AND TRANSFUSIONS

R	COUNTRY	NAME	2016								2017							
			# OF TRANSFUSION SERVICES	# OF HOSPITALS THAT PERFORM BLOOD TRANSFUSIONS	NUMBER OF HOSPITALS THAT PERFORM BLOOD TRANSFUSIONS AND PARTICIPATE/HAVE:						# OF TRANSFUSION SERVICES	# OF HOSPITALS THAT PERFORM BLOOD TRANSFUSIONS	NUMBER OF HOSPITALS THAT PERFORM BLOOD TRANSFUSIONS AND PARTICIPATE/HAVE:					
					TRANSFUSION COMMITTEE		CLINICAL AUDIT		SYSTEM FOR REPORTING ADVERSE REACTIONS				TRANSFUSION COMMITTEE		CLINICAL AUDIT		SYSTEM FOR REPORTING ADVERSE REACTIONS	
					#	%	#	%	#	%			#	%	#	%	#	%
CNH	AIA	ANGUILLA	1	1	0	0.0	0	0.0	0	0.0	2	1	0	0	0	0	0	0
CNH	ABW	ARUBA	1	1	1	100.0	0	0.0	1	100.0	1	1	1	100	1	100	0	0
CNH	BHS	BAHAMAS	3	0	0	0.0	0	0.0	0	0.0	3	3	3	100	0	0	3	100
CNH	BRB	BARBADOS	3	3	1	33.3	1	33.3	3	100.0	4	3	1	33	1	33	3	100
CNH	BLZ	BELIZE	14	14	0	0.0	0	0.0	0	0.0	13	14	0	0	8	57	0	0
CNH	BMU	BERMUDA	1	1	1	100.0	1	100.0	1	100.0	1	1	1	100	1	100	1	100
CNH	CYM	CAYMAN ISLANDS	5	4	0	0.0	0	0.0	0	0.0	4	4	0	0	0	0	0	0
CNH	CUW	CURAÇAO	1	2	2	100.0	2	100.0	2	100.0	1	2	2	100	2	100	2	100
CNH	DMA	DOMINICA	1	1	0	0.0	0	0.0	0	0.0	1	0	0	0	0	0	0	0
CNH	GUY	GUYANA	1	14	1	7.1	1	7.1	14	100.0	1	11	4	36	1	9	0	0
CNH	HTI	HAITI	1	0	12	22.2	0	0.0	1	8.3	1	0	12	0	0	0	1	0
CNH	JAM	JAMAICA	1	42	2	4.8	0	0.0	2	4.8	1	0	1	0	0	0	15	100
CNH	KNA	SAINT KITTS & NEVIS	1	1	0	0.0	0	0.0	0	0.0	1	1	0	0	0	0	0	0
CNH	LCA	SAINT LUCIA	0	3	0	0.0	0	0.0	0	0.0	2	3	0	0	0	0	0	0
CNH	VCT	SAINT VINCENT & THE GRENADINES	1	4	0	0.0	0	0.0	3	100.0	1	4	0	0	0	0	1	25
CNH	SUR	SURINAME	5	5	5	100.0	0	0.0	5	100.0	5	5	4	0	0	0	0	0
CNH	TCA	TURKS & CAICOS ISLANDS	2	2	2	100.0	2	100.0	2	100.0	2	1	1	100	1	100	1	100
CNH	TTO	TRINIDAD & TOBAGO	1	0	0	0.0	0	0.0	0	0.0	7	0	0	0	0	0	0	0

Table 12. ORGANIZATION OF THE NATIONAL BLOOD SYSTEM, COORDINATION, LAW AND POLICY

R	COUNTRY	NAME	2016					2017				
			SPECIFIC LAW	RESPONSIBLE UNIT	SPECIFIC BUDGET	NATIONAL POLICY	NATIONAL COMMISSION	SPECIFIC LAW	RESPONSIBLE UNIT	SPECIFIC BUDGET	NATIONAL POLICY	NATIONAL COMMISSION
CNH	AIA	ANGUILLA	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CNH	ABW	ARUBA	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
CNH	BHS	BAHAMAS	NO	NO	NO	NO	YES	NO	NO	NO	PARTIAL	NO
CNH	BRB	BARBADOS	NR	NR	NR	NR	NR	NR	NO	NO	NR	NO
CNH	BLZ	BELIZE	NO	YES	NO	NO	NO	NO	YES	NO	PARTIAL	NO
CNH	BMU	BERMUDA	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
CNH	CYM	CAYMAN ISLANDS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CNH	CUW	CURAÇAO	YES	NO	NO	YES	NO	YES	NO	NO	YES	NO
CNH	DMA	DOMINICA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
CNH	GUY	GUYANA	NO	YES	YES	YES	YES	PARTIAL	YES	YES	NO	YES
CNH	HTI	HAITI	NO	YES	YES	YES	YES	NO	YES	YES	YES	YES
CNH	JAM	JAMAICA	YES	YES	YES	YES	NO	NR	YES	YES	YES	NO
CNH	KNA	SAINT KITTS & NEVIS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NO
CNH	LCA	SAINT LUCIA	NR	NR	NR	NO	NO	NO	NO	NO	NO	NO
CNH	VCT	SAINT VINCENT & THE GRENADINES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CNH	SUR	SURINAME	YES	YES	NO	YES	YES	NR	NR	NR	NR	NR
CNH	TCA	TURKS & CAICOS ISLANDS	NO	YES	NO	PARTIAL	NO	NO	YES	NO	YES	NO
CNH	TTO	TRINIDAD & TOBAGO	NO	YES	YES	YES	NO	NO	YES	YES	YES	NO

Table 13. ORGANIZATION OF THE NATIONAL BLOOD SYSTEM: GUIDELINES, NORMS, AND INFORMATION SYSTEM

R	COUNTRY	NAME	2016							2017						
			REFERENCE CENTER	NATIONAL PLAN	DONOR NORMS	OPERATION NORMS	CLINICAL GUIDELINES	SERVICE REGISTRATION	INFORMATION SYSTEM	REFERENCE CENTER	NATIONAL PLAN	DONOR NORMS	OPERATION NORMS	CLINICAL GUIDELINES	SERVICE REGISTRATION	INFORMATION SYSTEM
CNH	AIA	ANGUILLA	NO	NO	YES	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO
CNH	ABW	ARUBA	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
CNH	BHS	BAHAMAS	NO	YES	NO	YES	NO	YES	YES	NO	YES	YES	YES	NO	YES	YES
CNH	BRB	BARBADOS	NR	NR	NR	NR	NR	NR	NR	YES	NR	YES	YES	YES	NR	NR
CNH	BLZ	BELIZE	YES	NO	YES	YES	NO	YES	YES	YES	NO	PARTIAL	YES	NO	YES	YES
CNH	BMU	BERMUDA	NO	YES	YES	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES	YES
CNH	CYM	CAYMAN ISLANDS	NO	NO	YES	YES	NO	NO	NO	NO	NO	YES	YES	NO	YES	YES
CNH	CUW	CURAÇAO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
CNH	DMA	DOMINICA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
CNH	GUY	GUYANA	NO	YES	YES	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES	YES
CNH	HTI	HAITI	NO	YES	NO	NO	YES	NO	NO	YES	NO	YES	YES	YES	NO	NO
CNH	JAM	JAMAICA	YES	YES	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES	YES	NO
CNH	KNA	SAINT KITTS & NEVIS	NO	NO	NO	NO	NO	YES	NO	NR	NR	NR	NR	NR	NR	NO
CNH	LCA	SAINT LUCIA	YES	NO	YES	YES	NO	NO	NR	YES	NO	YES	YES	NO	NO	NR
CNH	VCT	SAINT VINCENT & THE GRENADINES	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CNH	SUR	SURINAME	YES	YES	YES	YES	YES	YES	YES	NR	NR	NR	NR	NR	NR	NR
CNH	TCA	TURKS & CAICOS ISLANDS	NO	NO	PARTIAL	PARTIAL	NO	NO	NO	YES	NO	YES	NO	NO	NO	NO
CNH	TTO	TRINIDAD & TOBAGO	YES	NO	NO	YES	YES	YES	NO	YES	NO	NO	YES	YES	NO	NO

Table 15. ORGANIZATION OF THE NATIONAL BLOOD SYSTEM, CERTIFICATION

R	COUNTRY	NAME	2016		2017	
			STAFF CERTIFICATION	SERVICE ACCREDITATION	STAFF CERTIFICATION	SERVICE ACCREDITATION
CNH	AIA	ANGUILLA	NO	NO	NO	NO
CNH	ABW	ARUBA	YES	NR	YES	NR
CNH	BHS	BAHAMAS	YES	NO	YES	PARTIAL
CNH	BRB	BARBADOS	NR	NR	YES	NO
CNH	BLZ	BELIZE	NO	NO	NO	NO
CNH	BMU	BERMUDA	YES	YES	YES	YES
CNH	CYM	CAYMAN ISLANDS	YES	NO	YES	YES
CNH	CUW	CURAÇAO	NO	YES	NO	YES
CNH	DMA	DOMINICA	NR	NR	NR	NR
CNH	GUY	GUYANA	YES	NO	YES	NO
CNH	HTI	HAITI	NO	NO	NO	NO
CNH	JAM	JAMAICA	YES	NO	YES	NO
CNH	KNA	SAINT KITTS & NEVIS	NO	NO	NO	NO
CNH	LCA	SAINT LUCIA	NR	NR	YES	NO
CNH	VCT	SAINT VINCENT & THE GRENADINES	NO	NO	NO	NO
CNH	SUR	SURINAME	YES	NO	NR	NR
CNH	TCA	TURKS & CAICOS ISLANDS	NO	NO	YES	NO
CNH	TTO	TRINIDAD & TOBAGO	NO	NO	YES	NO

Table 16. ORGANIZATION OF TRANSFUSION AND HEMOVIGILANCE SERVICES

R	COUNTRY	NAME	2016			2017		
			NATIONAL TRANSFUSION COMMITTEE	TRANSFUSION HOSPITAL COMMITTEES	NATIONAL HEMOVIGILANCE PROGRAM	NATIONAL TRANSFUSION COMMITTEE	TRANSFUSION HOSPITAL COMMITTEES	NATIONAL HEMOVIGILANCE PROGRAM
CNH	AIA	ANGUILLA	NO	PARTIAL	NO	NR	NO	NO
CNH	ABW	ARUBA	NR	YES	YES	YES	YES	PARTIAL
CNH	BHS	BAHAMAS	NO	YES	NO	NO	YES	NO
CNH	BRB	BARBADOS	NR	NR	NR	NO	NO	NO
CNH	BLZ	BELIZE	NO	NO	NO	NO	NO	NO
CNH	BMU	BERMUDA	YES	YES	YES	YES	YES	YES
CNH	CYM	CAYMAN ISLANDS	NO	NO	NO	NO	NO	NO
CNH	CUW	CURAÇAO	NO	YES	YES	NO	YES	YES
CNH	DMA	DOMINICA	NR	NR	NR	NR	NR	NR
CNH	GUY	GUYANA	YES	YES	NO	YES	YES	NO
CNH	HTI	HAITI	NO	YES	NO	NO	YES	NO
CNH	JAM	JAMAICA	PARTIAL	YES	NO	PARTIAL	PARTIAL	NO
CNH	KNA	SAINT KITTS & NEVIS	NO	NO	NO	NO	NO	NO
CNH	LCA	SAINT LUCIA	NO	NO	NO	NO	NO	NO
CNH	VCT	SAINT VINCENT & THE GRENADINES	NO	NO	NO	NO	PARTIAL	NO
CNH	SUR	SURINAME	YES	YES	NO	NR	NR	NR
CNH	TCA	TURKS & CAICOS ISLANDS	NO	YES	NO	NO	YES	NO
CNH	TTO	TRINIDAD & TOBAGO	NO	PARTIAL	NO	NO	YES	NO

Table 17. FINANCING AND COSTS OF BLOOD SERVICES

R	COUNTRY	NAME	2016										2017									
			ANNUAL REPORT ON ACTIVITIES	SYSTEM OF COST-RECOVERY	FINANCIAL SUPPORT FROM INTERNATIONAL AGENCIES/ ORGANIZATIONS	TECHNICAL SUPPORT FROM INTERNATIONAL AGENCIES/ ORGANIZATIONS	ESTIMATED TOTAL FOUNDING				APPROXIMATE COST (IN US DOLLARS) OF PRODUCING:		ANNUAL REPORT ON ACTIVITIES	SYSTEM OF COST-RECOVERY	FINANCIAL SUPPORT FROM INTERNATIONAL AGENCIES/ ORGANIZATIONS	TECHNICAL SUPPORT FROM INTERNATIONAL AGENCIES/ ORGANIZATIONS	ESTIMATED TOTAL FOUNDING				APPROXIMATE COST (IN US DOLLARS) OF PRODUCING:	
							TOTAL	FROM THE NATIONAL GOVERNMENT	FROM FEES AND COST RECOVERY	FROM EXTERNAL DONORS	WHOLE BLOOD	RED BLOOD CELLS					TOTAL	FROM THE NATIONAL GOVERNMENT	FROM FEES AND COST RECOVERY	FROM EXTERNAL DONORS	WHOLE BLOOD	RED BLOOD CELLS
CNH	AIA	ANGUILLA	NO	YES	NO	YES	0	NR	NR	NR	350	350	NR	NR	NR	NR	0	NR	NR	NR	NR	NR
CNH	ABW	ARUBA	YES	NR	NO	YES	0	NR	NR	NR	NR	NR	YES	YES	YES*	YES*	0	NR	NR	NR	NR	400
CNH	BHS	BAHAMAS	NO	NO	NO	NO	0	NR	NR	NR	185	160	NO	PARTIAL	NO	NO	0	NR	NR	NR	195	165
CNH	BRB	BARBADOS	NR	NR	NR	NR	0	NR	NR	NR	NR	NR	NO	NO	NO	YES*	0	NR	NR	NR	NR	NR
CNH	BLZ	BELIZE	NO	NO	YES	NO	0	NR	NR	NR	NR	NR	NO	NO	NO	NO	0	NR	NR	NR	NR	NR
CNH	BMU	BERMUDA	NO	YES	NO	NO	636,199	NR	200,000	NR	246	246	NO*	YES	NO	NO	965,891	NA	443,219	NA	246	246
CNH	CYM	CAYMAN ISLANDS	NO	YES	NO	YES	0	NR	NR	NR	300	320	NO	YES	NO	YES*	0	NA	NR	NA	300	320
CNH	CUW	CURAÇAO	YES	YES	NO	NO	3,000,000	0	3,000,000	0	NR	328	YES	YES	NO	NO	3,000,000	0	3,000,000	0	NR	328
CNH	DMA	DOMINICA	NO	YES	NO	NO	0	NR	NR	NR	NR	NR	NO	YES	NO	NO	0	NR	NR	NR	NR	NR
CNH	GUY	GUYANA	YES	YES	NO	NO	775,000	470,000	19,512	0	200	220	NR	NR	NR	YES*	0	NR	NR	NR	250	300
CNH	HTI	HAITI	YES	NO	YES	YES	3,700,000	525,000	0	3,175,000	87	105	NO	NO	YES*	YES*	4,500,000	800,000,00	0	3,000,000,00	125	150
CNH	JAM	JAMAICA	YES	NO	NO	NO	4,815,767	4,815,767	939,829	NR	85	85	NO	NO	NO	YES*	90	90,4	0	0	48	46
CNH	KNA	SAINT KITTS & NEVIS	NR	NR	NR	NR	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	0	NR	NR	NR	NR	NR
CNH	LCA	SAINT LUCIA	NO	NO	NO	NO	0	NR	NR	NR	NR	NR	NO	NO	NO	NO	0	NR	NR	NR	NR	NR
CNH	VCT	SAINT VINCENT & THE GRENADINES	NO	NO	NO	NO	0	NR	NR	NR	200	NR	NO	NO	NO	NO	0	NR	NR	NR	NR	NR
CNH	SUR	SURINAME	NO	YES	YES	YES	727,000	207,000	495,000	25,000	NA	71	0	0	0	0	0	0	0	0	0	0
CNH	TCA	TURKS & CAICOS ISLANDS	NO	NO	NO	YES	0	NR	NR	NR	NR	25	NO	NO	NO	NO	0	NR	NR	NR	NR	NR
CNH	TTO	TRINIDAD & TOBAGO	NO	NO	NO	NO	0	NR	NR	NR	NR	NR	NO	NO	YES*	YES*	360,000	360,000	0	0	200	NR

ABW: In the past, the European Union. Curaçao Blood Bank.

BRB: PAHO.

BMU: An annual report is prepared, but not published.

CYM: PAHO.

GUY: PAHO.

HTI: Global Fund, PAHO and Swiss Red Cross.

JAM: PAHO. It was not possible to clarify this figure with the country (90.4).

TTO: PAHO through the MS.

Table 18. CONSUMABLES STOCK

R	COUNTRY	NAME	2016				2017			
			DID STOCKS OF ANY OF THE FOLLOWING CONSUMABLES RUN OUT				DID STOCKS OF ANY OF THE FOLLOWING CONSUMABLES RUN OUT			
			BLOOD COLLECTION BAGS	TEST KITS FOR TRANSFUSION-TRANSMISSIBLE INFECTIONS	REAGENTS FOR ROUTINE BLOOD GROUPING	OTHER	BLOOD COLLECTION BAGS	TEST KITS FOR TRANSFUSION-TRANSMISSIBLE INFECTIONS	REAGENTS FOR ROUTINE BLOOD GROUPING	OTHER
CNH	AIA	ANGUILLA	NO	NO	NO	NO	NR	NR	NR	NR
CNH	ABW	ARUBA	NR	NR	NR	NR	NO	NO	NO	NO
CNH	BHS	BAHAMAS	NO	NO	NO	NR	NO	YES*	NO	NR
CNH	BRB	BARBADOS	NR	NR	NR	NR	NO	NO	NO	NR
CNH	BLZ	BELIZE	NO	YES	NO	NR	NO	YES	YES	NR
CNH	BMU	BERMUDA	NO	NR	NO	NO	NO	NO	NO	NR
CNH	CYM	CAYMAN ISLANDS	NO	NO	NO	NO	NO	NO	NO	NO
CNH	CUW	CURAÇAO	NO	NO	NO	NO	NO	NO	NO	NO
CNH	DMA	DOMINICA	NO	NO	NO	NR	NO	NO	NO	NR
CNH	GUY	GUYANA	NO	NO	NO	NO	NO	YES*	NO	NO
CNH	HTI	HAITI	YES	NO	NO	NR	YES*	YES*	YES*	NR
CNH	JAM	JAMAICA	NO	NO	NO	NO	NO	NO	NO	NR
CNH	KNA	SAINT KITTS & NEVIS	NR	NR	NR	NR	NR	NR	NR	NR
CNH	LCA	SAINT LUCIA	YES	YES	YES	NO	YES	YES	YES	NR
CNH	VCT	SAINT VINCENT & THE GRENADINES	NO	YES*	NO	NO	NO	YES*	NO	NO
CNH	SUR	SURINAME	NO	NO	NO	NO	0	0	0	0
CNH	TCA	TURKS & CAICOS ISLANDS	NO	YES*	NO	NO	NO	NR	NO	NR
CNH	TTO	TRINIDAD & TOBAGO	YES	NR	NR	NR	YES	YES	YES	YES

BHS: CMV for 3 weeks.

HTI: Acquired through the Dominican Republic.

GUY: They were supported by PAHO.

VCT: HBsAg, HCV.

Table 19. NOTIFICATION SYSTEMS

R	COUNTRY	NAME	2016										2017									
			SPECIFIC BUDGET FOR THE DONOR NATIONAL PROGRAMME	CELEBRATION OF WORLD BLOOD DONOR DAY	REGISTER-DATABASE FOR BLOOD DONORS	NATIONAL DONOR SELECTION CRITERIA	DONOR NOTIFICATION SYSTEM FOR TEST POSITIVE RESULTS:					SYSTEM OF POST-DONATION COUNSELLING AND REFERRAL TO CARE AND TREATMENT	SPECIFIC BUDGET FOR THE DONOR NATIONAL PROGRAMME	CELEBRATION OF WORLD BLOOD DONOR DAY	REGISTER-DATABASE FOR BLOOD DONORS	NATIONAL DONOR SELECTION CRITERIA	DONOR NOTIFICATION SYSTEM FOR TEST POSITIVE RESULTS:					SYSTEM OF POST-DONATION COUNSELLING AND REFERRAL TO CARE AND TREATMENT
							HIV	HEPATITIS B	HEPATITIS C	SYPHILIS	OTHER						HIV	HEPATITIS B	HEPATITIS C	SYPHILIS	OTHER	
CNH	AIA	ANGUILLA	NO	YES	YES	YES	YES	YES	YES	YES	NO	YES	NO	YES	YES	YES	YES	YES	YES	YES	YES*	YES
CNH	ABW	ARUBA	YES	YES	YES	YES	YES	YES	YES	YES	NR	YES	YES	YES	YES	YES	YES	YES	YES	YES	NR	YES
CNH	BHS	BAHAMAS	NO	YES	YES	YES	YES	YES	YES	YES	NR	YES	NO	YES	YES	YES*	YES	YES	YES	YES	YES	YES
CNH	BRB	BARBADOS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NO	NO	YES*	YES*	YES	YES	YES	YES	NR	YES
CNH	BLZ	BELIZE	NO	YES	YES	YES	YES	YES	YES	YES	NR	YES	NO	YES	YES	YES*	YES	YES	YES	YES	YES	YES
CNH	BMU	BERMUDA	YES	YES	YES	YES	YES	YES	YES	YES	HTLV , CHAGAS & WEST NILE VIRUS	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES*	YES
CNH	CYM	CAYMAN ISLANDS	NO	YES	YES	YES	YES	YES	YES	YES	HTLV	YES	NO	YES*	YES*	YES*	YES	YES	YES	YES	YES*	YES
CNH	CUW	CURAÇAO	YES	YES	YES	YES	YES	YES	YES	YES	HTLV I-II	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES*	YES
CNH	DMA	DOMINICA	NO	YES	YES	YES	YES	YES	NO	YES	HTLV	YES	NO	YES	YES	YES	YES	YES	NO	YES	YES	YES
CNH	GUY	GUYANA	YES	YES	YES	YES	YES	YES	YES	YES	MALARIA, HTLV I-II	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
CNH	HTI	HAITI	YES	YES	YES	YES	YES	YES	YES	YES	HTLV I-II	YES*	NO	YES	YES	YES	YES*	YES*	YES*	YES*	YES*	YES*
CNH	JAM	JAMAICA	NO	YES	YES	YES	YES	YES	YES	YES	HTLV	NO	YES	YES	YES	YES*	YES	YES	YES	YES	YES*	YES
CNH	KNA	SAINT KITTS & NEVIS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
CNH	LCA	SAINT LUCIA	NO	NO	NR	NR	YES	YES	YES	YES	NR	YES	NO	YES	YES	YES*	YES	YES	YES	YES	YES	YES
CNH	VCT	SAINT VINCENT & THE GRENADINES	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	NO	NO	NO	NO	NO	NO	NO	YES
CNH	SUR	SURINAME	YES	YES	YES	YES	YES	YES	YES	YES	HTLV, MALARIA & CHAGAS	YES	0	0	0	0	0	0	0	0	0	0
CNH	TCA	TURKS & CAICOS ISLANDS	NO	YES	YES	YES	YES	YES	YES	YES	HTLV Y HEPATITIS B CORE	YES	NO	NO	YES	YES	YES	YES	YES	YES	YES	YES
CNH	TTO	TRINIDAD & TOBAGO	NO	YES	YES	YES	NO	NO	NO	NO	NO	YES	YES	YES	YES	YES	YES*	YES*	YES*	YES*	YES*	YES

AIA: Hemoglobin and blood pressure results.

BHS: Centers maintain individual records of their own.

BRB: Donor history-questionnaire. The blood center maintains an individual one, which in turn is part of the hospital's general computer system.

BLZ: National.

BMU: HTLV, Chagas and West Nile Virus.

CYM: Small celebration. Caribbean regional standards. Each center. HTLV and ZIKA.

CUW: HTLV I-II.

HTI: Only 20% of donors are notified.

JAM: National System. HTLV I-II.

LCA: National.

TTO: It does not work now because the lab can't confirm the diagnosis.

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THE PAN AMERICAN HEALTH ORGANIZATION
CARIBBEAN COUNTRIES 2016-2017**

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**SUBREGIONAL
SUMMARIES
2016-2017**



Table 1. DONATION RATE PER 1,000 INHABITANTS, ACCORDING TO THE SUBREGION

SUBREGIONAL	POPULATION	2017	
		UNITS	RATE
SPANISH-SPEAKING CARIBBEAN	21,952,590	517,083	23.6
SOUTHERN CONE	71,284,669	1,550,300	21.7
MEXICO	124,612,000	2,394,836	19.2
BRAZIL	207,749,810	3,860,850	18.6
ANDEAN SUBREGION	106,493,368	1,558,765	14.6
CENTRAL AMERICA	45,868,000	535,614	11.7
NON-SPANISH-SPEAKING CARIBBEAN	18,398,467	136,093	7.4
TOTAL	596,359,234	10,553,541	17.7

Table 2. DISTRIBUTION OF THE TYPES OF ALLOGENEIC DONATIONS BY SUBREGION

REGIÓN	2016				2017			
	VOLUNTARY	REPLACEMENT	REMUNERATED	TOTAL (%)	VOLUNTARY	REPLACEMENT	REMUNERATED	TOTAL (%)
NON-SPANISH-SPEAKING CARIBBEAN	47.4	52.6	0.0	100	44.9	55.1	0.0	100
SOUTHERN CONE	39.7	60.3	0.0	100	41.3	58.7	0.0	100
ANDEAN SUBREGION	67.7	32.3	0.0	100	67.3	32.7	0.0	100
CENTRAL AMERICA	32.8	66.7	0.4	100	33.6	66.0	0.5	100
SPANISH-SPEAKING CARIBBEAN	80.9	19.1	0.0	100	81.1	18.9	0.0	100
BRAZIL	62.0	38.0	0.0	100	62.1	37.9	0.0	100
MEXICO	4.8	95.2	0.0	100	5.2	94.8	0.0	100
TOTAL	46.2	53.8	0.0	100	46.1	53.8	0.0	100

Table 3. BLOOD DONATIONS BY UNPAID VOLUNTARY DONORS IN LATIN AMERICA AND CARIBBEAN COUNTRIES (%)

REGION	COUNTRY	2016	2017	AVERAGE COUNTRY	2016	2017	AVERAGE SUBREGION	AVERAGE DIFFERENCES FOR SUBREGIONAL AND COUNTRY	AVERAGE REGION	AVERAGE DIFFERENCES FOR SUBREGIONAL AND COUNTRY
SOUTHERN CONE	URUGUAY	52.4	44.0	48.2	39.65	41.3	40.5	7.7	46.1	2.1
	ARGENTINA	43.5	45.0	44.3	39.65	41.3	40.5	3.8	46.1	-1.8
	CHILE	31.8	34.1	32.9	39.65	41.3	40.5	-7.6	46.1	-13.2
	PARAGUAY	10.8	14.3	12.5	39.65	41.3	40.5	-27.9	46.1	-33.6
CENTRAL AMERICA	NICARAGUA	100	100	100.0	32.83	33.55	33.2	66.8	46.1	53.9
	COSTA RICA	60.6	61.0	60.8	32.83	33.55	33.2	27.6	46.1	14.7
	EL SALVADOR	22.0	23.7	22.9	32.83	33.55	33.2	-10.3	46.1	-23.2
	HONDURAS	21.2	17.3	19.2	32.83	33.55	33.2	-14.0	46.1	-26.9
	PANAMA	6.7	5.2	5.9	32.83	33.55	33.2	-27.3	46.1	-40.2
	GUATEMALA	5.1	5.0	5.1	32.83	33.55	33.2	-28.1	46.1	-41.0
NON-SPANISH-SPEAKING CARIBBEAN	TURKS & CAICOS ISLANDS	100	100	100.0	47.39	40.21	43.8	56.2	46.1	53.9
	GUYANA	100	100	100.0	47.39	40.21	43.8	56.2	46.1	53.9
	ARUBA	100.0	100.0	100.0	47.39	40.21	43.8	56.2	46.1	53.9
	CAYMAN ISLANDS	100.0	100.0	100.0	47.39	40.21	43.8	56.2	46.1	53.9
	BERMUDA	100	100	100.0	47.39	40.21	43.8	56.2	46.1	53.9
	CURAÇAO	100	100	100.0	47.39	40.21	43.8	56.2	46.1	53.9
	ANGUILLA	63.9	46.1	55.0	47.39	40.21	43.8	11.2	46.1	8.9
	SAINT VINCENT & THE GRENADINES	10.0	8.4	9.2	47.39	40.21	43.8	34.6	46.1	36.9
	SAINT LUCIA	51.2	56.3	53.8	47.39	40.21	43.8	10.0	46.1	7.7
	SURINAME	100	100	100.0	47.39	40.21	43.8	56.2	46.1	53.9
	HAITI	39.7	41.3	40.5	47.39	40.21	43.8	-3.3	46.1	-5.6
	JAMAICA	35.8	20.9	28.4	47.39	40.21	43.8	-15.4	46.1	-17.7
	BAHAMAS	28.1	23.8	26.0	47.39	40.21	43.8	-17.8	46.1	-20.1
	TRINIDAD & TOBAGO	20.3	24.0	22.0	47.39	40.21	43.8	-21.8	46.1	-24.9
	DOMINICA	8.7	17.8	13.2	47.39	40.21	43.8	-30.6	46.1	-32.9
	BELIZE	13.6	11.2	12.4	47.39	40.21	43.8	-31.4	46.1	-33.7
	BARBADOS	12.0	10.6	11.3	47.39	40.21	43.8	-32.5	46.1	-34.8
SAINT KITTS & NEVIS	5.9	4.4	5.2	47.39	40.21	43.8	-38.6	46.1	-40.9	
SPANISH-SPEAKING CARIBBEAN	CUBA	100	100	100.0	80.88	81.11	81.0	19.0	46.1	53.9
	DOMINICAN REPUBLIC	6.8	7.0	6.9	80.88	81.11	81.0	-74.1	46.1	-39.2
ANDEAN SUBREGION	COLOMBIA	92.8	94.3	93.6	67.68	67.31	67.5	26.1	46.1	47.5
	ECUADOR	70.4	72.1	71.3	67.68	67.31	67.5	3.8	46.1	25.2
	PERU	10	10.0	10.0	67.68	67.31	67.5	-57.6	46.1	8.9
	BOLIVIA	35.3	35.7	35.5	67.68	67.31	67.5	-32.0	46.1	-10.6
BRAZIL	BRAZIL	62.0	62.1	62.1	62.02	62.1	62.1	0.0	46.1	16.0
MEXICO	MEXICO	4.8	5.2	5.0	4.8	5.2	5.0	0.0	46.1	-41.1
TOTAL	TOTAL	46.2	46.1	46.2	46.2	46.1	46.2	0.0	46.1	0.1

Table 4. COMPONENTS OBTAINED BY SUBREGION, 2016-2017

2016-2017										
SUBREGION	RBC		FFP		FP		CRYO		PL	
	2016	2017	2016	2017	2016	2017	2016	2017	2016	2017
NON-SPANISH-SPEAKING CARIBBEAN	69,894	101,176	31,185	3,345	479	4977	2,369	19	20,771	22,079
SOUTHERN CONE	1,294,305	1,460,226	1,022,948	1,122,912	2,1679	344,744	75,851	84,455	772,116	999,276
ANDEAN SUBREGION	1,734,340	1,524,577	872,657	1,020,999	73,2525	209,706	191,954	155,634	847,776	582,682
CENTRAL AMERICA	491,280	537,524	350,207	303,151	5,451	9,977	47,534	33,568	278,944	222,158
SPANISH-SPEAKING CARIBBEAN	411,527	379,524	67,588	73,301	139,393	2,585	15,577	16,733	55,809	70,165
BRAZIL	3,314,515	3,307,279	2,750,256	2,685,689	482,514	458,251	163,363	160,808	2,148,676	1,881,885
MEXICO	2,199,142	1,792,305	1,663,024	1,349,225	443,359	359,796	123,203	0	1,050,962	85,715
TOTAL	9,515,003	9,102,611	6,757,865	6,558,622	1,825,400	1,390,036	619,851	451,217	5,175,054	3,863,960
MINIMUM	69,894	101,176	31,185	3,345	479	2,585	2,369	0	20,771	22,079
MAXIMUM	3,314,515	3,307,279	2,750,256	2,685,689	732,525	458,251	191,954	160,808	2,148,676	1,881,885

Table 5. PREVALENCE OF POSITIVE RESULTS FOR INFECTIOUS MARKERS, BY SUBREGION, 2016-2017

2016 -2017																
INFECTIOUS MARKERS	SOUTHERN CONE		CENTRAL AMERICA		NON-SPANISH-SPEAKING CARIBBEAN		SPANISH-SPEAKING CARIBBEAN		ANDEAN SUBREGION		BRAZIL		MEXICO		REGION	
	2016	2017	2016	2017	2016	2017	2016	2017	2016	2017	2016	2017	2016	2017	2016	2017
HIV	0.16	0.13	0.13	0.17	0.18	0.19	0.10	0.35	0.28	0.26	0.21	0.28	0.28	0.27	0.19	0.23
HBsAg	0.20	0.18	0.21	0.26	0.71	0.80	1.06	0.55	0.26	0.23	0.20	0.23	0.24	0.26	0.41	0.36
HCV	0.27	0.31	0.32	0.40	0.31	0.28	0.69	0.55	0.36	0.38	0.32	0.33	0.52	0.54	0.40	0.40
Syphilis	1.90	2.36	1.00	0.68	0.72	0.72	0.61	0.44	1.24	1.04	1.01	1.07	1.35	0.88	1.12	1.03
<i>T. cruzi</i>	1.08	0.87	1.05	0.73	0.19	0.12	sd	sd	0.70	0.81	0.17	0.26	0.38	0.37	0.59	0.53
HTLV I-II	0.16	0.18	0.86	0.20	0.68	0.73	0.21	0.28	0.40	0.55	0.23	0.31	sd	sd	0.42	0.38
Anti-HBc	1.48	1.41	1.26	1.72	1.74	0.13	0.54	5.94	2.29	1.53	1.27	1.13	sd	sd	1.43	1.98
MINIMUM	0.16	0.13	0.13	0.17	0.18	0.12	0.10	0.28	0.26	0.23	0.17	0.23	0.24	0.26	0.19	1.43
MAXIMUM	1.90	2.36	1.26	1.72	1.74	0.80	1.06	5.94	2.29	1.53	1.27	1.13	1.35	0.88	0.23	1.98

Table 6. QUALITY ASSURANCE AND MONITORING BY SUBREGION, 2016-2017

ASPECT	SUBJECT	NO-HISPANIC CARIBBEAN (n=18)		SOUTHERN CONE (n=4)		ANDEAN SUBREGION (n=5)		CENTRAL AMERICA (n=6)		SPANISH-SPEAKING CARIBBEAN (n=2)		BRAZIL		MEXICO		REGION	
		2016	2017	2016	2017	2016	2017	2016	2017	2016	2017	2016	2017	2016	2017	2016	2017
SURVEILLANCE	INSPECTION PROGRAM	No	7	4	3	4	4	3	3	2	2	1	1	1	1	22	21
	NATIONAL HEMOVIGILANCE PROGRAM	%	38.9	100	75	80	80	66.7	50.0	0	0	100	100	100	100	59.5	56.8
QUALITY	QUALITY GUARANTEE POLICY	No	2	2	2	40	40	0	0	0	50	50	100	100	0	24.3	18.9
	NATIONAL GC PROGRAM	%	16.7	11.1	50	3	2	2	2	2	1	1	1	1	1	16	14
	NATIONAL EXTERNAL EVALUATION PROGRAM (SEROLOGY-ITT)	No	6	5	3	3	40	33.3	16.7	2	2	1	1	1	1	43.2	37.8
	NATIONAL EXTERNAL EVALUATION PROGRAM (IMMUNOHEMATOLOGY)	%	33.3	27.8	75	3	3	2	33.3	3	3	50	50	100	100	19	16
	STAFF CERTIFICATION	No	7	10	2	2	2	2	3	3	1	1	1	1	1	23	27
	ACCREDITATION OF SERVICES	%	11	13	2	3	4	3	3	3	1	1	1	1	1	62.2	73.0
	CONTINUED EDUCATION PROGRAM	No	11	12	1	2	1	1	3	3	1	1	1	1	1	17	22
		%	61.1	72.2	50	80	80	50	50	50	50	50	100	100	100	45.9	59.5
		No	7	10	2	2	2	2	2	2	1	1	1	1	1	17	18
		%	38.9	55.6	50	50	40	50	33.3	3	3	50	50	100	100	45.9	48.6

**COUNTRY
SUMMARIES**

**LATIN AMERICA
2016-2017**

ARGENTINA						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	1,056,710	966,059	859,233	1,026,845	924,804	1,104,532
NUMBER OF AUTOLOGOUS DONORS	0	11,455	5,400	1,166	2,509	4,532
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	36.4	38	48.88	45.66	43.52	44.83
REPLACEMENT DONORS	63.6	62	51.12	54.34	56.48	54.8
REMUNERATED DONORS	0	0	0	0	0	0
PERCENTAGE OF UNITS SCREENED						
HIV	100	100	100	100	100	100
HBsAg	100	100	100	100	100	100
HCV	100	100	100	100	100	100
Syphilis	100	100	100	100	100	100
<i>T. cruzi</i>	100	100	100	100	100	100
HTLV I-II	100	100	100	100	100	100
Anti-HBc	100	100	100	100	100	100
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0.17	0.18	0.2	0.21	0.18	0.15
HBsAg	0.18	0.17	0.22	0.51	0.19	0.2
HCV	0.36	0.35	0.45	0.34	0.27	0.32
Syphilis	0.82	0.91	1.12	1.04	0.94	1.25
<i>T. cruzi</i>	2.07	2.27	2.46	1.5	1.98	1.51
HTLV I-II	0.2	0.18	0.18	0.14	0.15	0.22
Anti-HBc	1.37	1.39	1.54	0.93	1.24	1.28
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	94.26	88.93	90.56	84.91	95.27	93.83
FRESH FROZEN PLASMA	42.42	42.72	38.97	65.94	72.02	69.5
FROZEN PLASMA	51.84	38.21	51.69	15.56	18	26.16
CRYOPRECIPITATE	4.71	1.71	1.36	3.27	5.14	5.1
PLATELETS	32.99	49.16	54.33	50.39	53.35	64.53
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	51.00	53.21	1.03	0.13	0.95	12.01
PACKED RED BLOOD CELLS	10	25.29	15.85	8.44	8.6	11.53
FRESH FROZEN PLASMA	6.32	22.38	16.73	6.6	8.27	11.23
FROZEN PLASMA	6.6	15.25	16.91	6.6	10.44	4.53
CRYOPRECIPITATE	10.31	25.42	22.49	1.72	7.81	36.7
PLATELETS	12.11	36.4	26.05	13.7	23.96	31.02

BOLIVIA (PLURINATIONAL STATE OF)						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	83,391	102,146	101,166	108,132	112,536	119,663
NUMBER OF AUTOLOGOUS DONORS	59	76	62	60	65	58
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	36.7	45.23	39.99	40.89	35.34	35.68
REPLACEMENT DONORS	63.3	54.77	60.01	59.11	64.66	64.27
REMUNERATED DONORS	0	0	0	0	0	0
PERCENTAGE OF UNITS SCREENED						
HIV	100	91.66	100	100	100	100
HBsAg	100	91.66	100	100	100	100
HCV	100	91.66	100	100	100	100
Syphilis	100	91.66	100	100	100	100
<i>T. cruzi</i>	100	91.67	100	100	100	100
HTLV I-II	NR	NR	NR	NR	NR	NR
Anti-HBc	NR	NR	NR	NR	NR	NR
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0.23	0.21	0.25	0.24	0.32	0.29
HBsAg	0.34	0.28	0.25	0.23	0.24	0.24
HCV	0.3	0.27	0.36	0.38	0.43	0.3
Syphilis	0.68	0.93	0.75	0.77	1	0.76
<i>T. cruzi</i>	3.34	2.73	3.9	2.51	2.16	2.06
HTLV I-II	NR	NR	NR	NR	NR	NR
Anti-HBc	NR	NR	NR	NR	NR	NR
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	NR	88.24	97.26	96.88	97.06	98.12
FRESH FROZEN PLASMA	78.91	75.06	81.53	85.26	86.65	87.59
FROZEN PLASMA	11.77	9.76	11.77	11.47	9.55	9.39
CRYOPRECIPITATE	7.18	6.31	6.93	6.73	7.03	7.84
PLATELETS	40.6	30.94	40.87	42.33	46.79	49.85
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	NR	65.23	3.15	3.31	2.35	1.55
PACKED RED BLOOD CELLS	NR	7.1	6.61	5.87	6.48	5.54
FRESH FROZEN PLASMA	25.98	36.53	37.2	30.94	33.17	34.22
FROZEN PLASMA	77.04	79.33	86.84	87.39	85.49	94.3
CRYOPRECIPITATE	17.47	18.4	27.73	36.73	26.41	17.53
PLATELETS	38.31	39.18	34.98	35.44	38.91	34.55

BRAZIL						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	3,335,035	NR	NR	3,098,338	3,975,232	3,860,850
NUMBER OF AUTOLOGOUS DONORS	2,056	NR	NR	9216	18407	3,362
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	59.52	NR	NR	61.25	62.02	62.04
REPLACEMENT DONORS	40.48	NR	NR	38.75	37.98	37.87
REMUNERATED DONORS	0	NR	NR	0	0	0
PERCENTAGE OF UNITS SCREENED						
HIV	100	NR	NR	100	100	100
HBsAg	100	NR	NR	100	100	100
HCV	100	NR	NR	100	100	100
Syphilis	100	NR	NR	100	100	100
<i>T. cruzi</i>	100	NR	NR	100	100	100
HTLV I-II	100	NR	NR	100	100	100
Anti-HBc	100	NR	NR	100	100	100
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0.42	NR	NR	0.23	0.21	0.28
HBsAg	0.16	NR	NR	0.21	0.2	0.23
HCV	0.3	NR	NR	0.33	0.32	0.33
Syphilis	0.82	NR	NR	1.08	1.01	1.07
<i>T. cruzi</i>	0.31	NR	NR	0.22	0.17	0.26
HTLV I-II	0.19	NR	NR	0.24	0.23	0.31
Anti-HBc	1.62	NR	NR	1.3	1.27	1.13
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	96.9	NR	NR	86.33	88.46	89.14
FRESH FROZEN PLASMA	80.63	NR	NR	77.75	73.4	72.39
FROZEN PLASMA	14.33	NR	NR	10.14	12.88	12.35
CRYOPRECIPITATE	6.47	NR	NR	4.35	4.36	4.33
PLATELETS	60.93	NR	NR	51.07	57.34	50.72
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	8.56	NR	NR	NR	3.97	24.15
PACKED RED BLOOD CELLS	9.54	NR	NR	NR	14.77	12.37
FRESH FROZEN PLASMA	35.86	NR	NR	NR	56.52	68.19
FROZEN PLASMA	9.36	NR	NR	NR	75.3	84.26
CRYOPRECIPITATE	1.42	NR	NR	NR	18.73	14.1
PLATELETS	13.76	NR	NR	NR	35.05	35.2

CHILE						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	233,165	229,911	240,911	239,549	252,531	NR
NUMBER OF AUTOLOGOUS DONORS	0	NR	0	0	0	NR
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	23.62	23.52	24.79	28.46	31.77	NR
REPLACEMENT DONORS	76.38	76.48	75.21	71.54	68.23	NR
REMUNERATED DONORS	0	0	0	0	0	NR
PERCENTAGE OF UNITS SCREENED						
HIV	100	97.14	100	100	100	NR
HBsAg	100	97.57	100	100	100	NR
HCV	100	96.4	100	100	100	NR
Syphilis	100	96.8	100	100	100	NR
<i>T. cruzi</i>	100	97.67	100	100	100	NR
HTLV I-II	100	97.59	100	100	100	NR
Anti-HBc	NR	NR	NR	NR	NR	NR
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0.03	0.06	0.12	0.04	0.04	NR
HBsAg	0.01	0.01	0.01	0.01	0.19	NR
HCV	0.03	0.02	0.01	0.02	0.01	NR
Syphilis	0.83	0.32	0.94	0.32	0.4	NR
<i>T. cruzi</i>	0.14	0.15	0.12	0.13	0.08	NR
HTLV I-II	0.12	0.09	0.1	0.11	0.05	NR
Anti-HBc	NR	NR	NR	NR	NR	NR
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	95.68	75.96	96.88	94.28	97.22	NR
FRESH FROZEN PLASMA	77.56	43.43	83.47	83.32	87.21	NR
FROZEN PLASMA	15.49	10.25	13.84	13.28	14.28	NR
CRYOPRECIPITATE	7.83	5.17	6.27	6.43	7.82	NR
PLATELETS	67.37	42.65	63.62	64.51	69.38	NR
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	51.85	NR	0	NR	0	NR
PACKED RED BLOOD CELLS	3.21	9.34	9.66	7.62	2.34	NR
FRESH FROZEN PLASMA	NR	36.32	20.84	21	5.91	NR
FROZEN PLASMA	45.29	NR	NR	0	0	NR
CRYOPRECIPITATE	3.59	15.23	9.94	6.73	4.41	NR
PLATELETS	22.55	46.9	39.42	24.04	17.05	NR

COLOMBIA						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	746.059	740.173	756.370	795.792	817.003	830.291
NUMBER OF AUTOLOGOUS DONORS	272	217	23246	104	552	0
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	84.38	86.75	88.29	91.14	92.81	94.3
REPLACEMENT DONORS	15.62	13.25	11.71	8.86	7.19	5.7
REMUNERATED DONORS	0	0	0	0		
PERCENTAGE OF UNITS SCREENED						
HIV	100	100	100	100	100	100
HBsAg	100	100	100	100	100	100
HCV	100	100	100	100	100	100
Syphilis	100	100	100	100	100	100
<i>T. cruzi</i>	100	100	100	100	100	100
HTLV I-II	70.53	75.44	93.11	100	100	100
Anti-HBc	71.2	76.32	95.5	100	100	100
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0.22	0.21	0.23	0.2	0.21	0.21
HBsAg	0.16	0.16	0.14	0.15	0.12	0.12
HCV	0.49	0.41	0.39	0.35	0.37	0.37
Syphilis	1.5	1.5	1.51	1.43	1.31	1.19
<i>T. cruzi</i>	0.43	0.4	0.41	0.38	0.27	0.19
HTLV I-II	0.29	2.23	0.3	0.32	0.25	0.22
Anti-HBc	1.77	1.75	1.8	1.56	1.33	1.22
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	97.54	97.02	97.76	96.09	98.69	98.91
FRESH FROZEN PLASMA	14.42	75.36	77.51	77.75	16.56	58.24
FROZEN PLASMA	78.11	15.96	16.76	15.86	82.13	19.88
CRYOPRECIPITATE	5.93	8.27	9.07	7.96	8.2	7.03
PLATELETS	44.91	43.39	41.71	37.51	36.89	27.68
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	91.72	40.84	1.04	0.76	0.93	90.27
PACKED RED BLOOD CELLS	14.55	9.08	8.5	7.02	7.26	7.16
FRESH FROZEN PLASMA	NI	66.26	60.4	59.76	NR	83.17
FROZEN PLASMA	24.91	99.56	86.4	82.33	19.63	82.7
CRYOPRECIPITATE	29.63	22.12	27.15	20.69	36.99	24.76
PLATELETS	78.08	42.65	32.56	26.65	23.02	29.34

COSTA RICA						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	70,182	68,209	73,057	75,733	77,607	77,389
NUMBER OF AUTOLOGOUS DONORS	3	0	6	1	5	5
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	67.74	68.12	63.23	60.39	60.64	61
REPLACEMENT DONORS	34.26	31.88	36.77	39.61	39.36	39
REMUNERATED DONORS	0	0	0	0	0	0
PERCENTAGE OF UNITS SCREENED						
HIV	100	100	100	100	100	100
HBsAg	100	100	100	100	100	100
HCV	100	100	100	100	100	100
Syphilis	100	100	100	100	100	100
<i>T. cruzi</i>	100	100	100	100	100	100
HTLV I-II	100	100	100	100	100	100
Anti-HBc	100	100	100	100	100	100
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0.15	0.08	0.08	0.11	0.07	0.08
HBsAg	0.09	0.13	0.41	0.12	0.07	0.26
HCV	1.12	0.38	0.21	0.22	0.17	0.18
Syphilis	0.56	0.59	0.62	0.44	0.82	0.48
<i>T. cruzi</i>	0.38	0.22	0.15	0.13	0.14	0.24
HTLV I-II	0.29	0.15	0.08	0.13	0.08	0.1
Anti-HBc	1.88	1.5	0.74	0.9	0.8	0.83
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	95.07	99.97	97.75	96.94	97.88	97.67
FRESH FROZEN PLASMA	NR	98.5	97.19	95.88	95.78	95.58
FROZEN PLASMA	NR	0.1	0.53	0	0	0
CRYOPRECIPITATE	21.41	22.85	20.88	20.9	19.94	22.65
PLATELETS	65.73	67.06	73.4	68.93	67.8	70.54
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	2.08	NR	0.003	NR	NR	96.55
PACKED RED BLOOD CELLS	14.43	18.49	12.72	14.8	15.05	15.89
FRESH FROZEN PLASMA	NR	49.48	77.82	76.41	77.59	75.93
FROZEN PLASMA	NR	NR	NR	NA	NR	NR
CRYOPRECIPITATE	0.65	16.75	19.32	24.24	43.2	29.57
PLATELETS	4.14	51.24	52.66	37.79	52.57	53.11

CUBA						
	2012	2013	2014	2015	2016*	2017
NUMBER OF UNITS COLLECTED	401,575	411,545	415,902	416,923	416,923	411,979
NUMBER OF AUTOLOGOUS DONORS	NR	NR	0	0	0	NR
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	100	100	100	100	100	100
REPLACEMENT DONORS	0	0	0	0	0	0
REMUNERATED DONORS	0	0	0	0	0	0
PERCENTAGE OF UNITS SCREENED						
HIV	100	100	100	100	100	100
HBsAg	100	100	100	100	100	100
HCV	100	100	100	100	100	100
Syphilis	100	100	100	100	100	100
<i>T. cruzi</i>	NR	NR	NR	NR	NR	NR
HTLV I-II	NR	NR	NR	NR	NR	NR
Anti-HBc	NR	NR	NR	NR	NR	NR
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0.02	0.02	0.02	0.01	0.01	0.55
HBsAg	0.41	0.51	0.41	0.58	0.58	0.41
HCV	0.76	1.24	0.92	1.19	1.19	0.92
Syphilis	0.57	0.73	0.51	0.52	0.52	0.35
<i>T. cruzi</i>	NR	NR	NR	NR	NR	NR
HTLV I-II	NR	NR	NR	NR	NR	NR
Anti-HBc	NR	NR	NR	NR	NR	NR
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	51.5	98.94	97.19	88.2	88.2	80.74
FRESH FROZEN PLASMA	12.9	9.21	12.94	15.1	15.1	16.6
FROZEN PLASMA	11.76	11.27	7.95	33.5	33.5	0
CRYOPRECIPITATE	7.12	6.44	4.99	3.8	3.8	4.05
PLATELETS	18.92	17.73	16.6	12.7	12.7	16.13
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	0	NR	NR	1.7	1.7	NR
PACKED RED BLOOD CELLS	13.65	1.61	1.62	8.03	8.03	0.98
FRESH FROZEN PLASMA	6.41	3.37	2.37	1.6	1.6	1.87
FROZEN PLASMA	18.37	4.52	6.34	NR	NR	NR
CRYOPRECIPITATE	3.23	4.81	6.14	0.3	0.3	NR
PLATELETS	12.83	17.12	18.09	2.6	2.6	6.72

*Data corresponding to the year 2015

DOMINICAN REPUBLIC						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	106,291	110,780	93,949	78,533	107,636	105,104
NUMBER OF AUTOLOGOUS DONORS	34	46	58	18	55	33
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	18.7	15.97	9.99	11.62	6.77	7.02
REPLACEMENT DONORS	78.61	81.15	89.65	88.3	93.23	92.94
REMUNERATED DONORS	2.69	2.85	0.36	0.08	0	0
PERCENTAGE OF UNITS SCREENED						
HIV	100	100	100	100	100	100
HBsAg	100	100	100	100	100	100
HCV	100	100	100	100	100	100
Syphilis	100	100	100	100	100	100
<i>T. cruzi</i>	NR	NR	NR	NR	NR	NR
HTLV I-II	100	100	100	99.64	100	100
Anti-HBc	NR	NR	11.77	74.2	15.26	14.89
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0.2	0.16	0.28	0.17	0.18	0.15
HBsAg	0.85	1.03	1.02	0.95	1.54	0.69
HCV	0.19	0.21	0.21	0.15	0.18	0.17
Syphilis	0.57	0.66	0.71	0.59	0.7	0.52
<i>T. cruzi</i>	NR	NR	NR	NR	NR	NR
HTLV I-II	0.24	0.23	0.16	0.21	0.21	0.28
Anti-HBc	NR	NR	4.7	1.18	0.54	5.94*
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	49.92	54.13	52.52	49.9	48.51	44.61
FRESH FROZEN PLASMA	5.64	6.5	4.39	1.43	5.35	4.68
FROZEN PLASMA	4.14	4.61	5.47	2.34	2.69	2.46
CRYOPRECIPITATE	0.08	0.05	NR	NR	0.1	0.03
PLATELETS	6.62	6.92	5.73	3.49	3.56	3.53
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	8.15	12.12	11.42	13.61	15.56	22.5
PACKED RED BLOOD CELLS	1.95	1.89	10.33	3.54	2.79	3.73
FRESH FROZEN PLASMA	79.02	67.93	29.92	7.1	81.8	NA
FROZEN PLASMA	NR	NR	11.13	0.05	NR	NR
CRYOPRECIPITATE	1.16	0	NR	NR	NR	90.91
PLATELETS	13.07	16.7	9.53	3.89	10.33	7.08

2017: Screening carried out in 14.89% of the units.

ECUADOR						
	2012	2013	2014	2015	2016	2017*
NUMBER OF UNITS COLLECTED	83,611	229,018	232,215	246,887	236,370	249,353
NUMBER OF AUTOLOGOUS DONORS	16	88	78	118	102	57
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	5.25	57.05	60.12	68.27	70.43	72.12
REPLACEMENT DONORS	94.75	42.95	39.88	31.73	29.57	27.86
REMUNERATED DONORS	0	0	0	0	0	0
PERCENTAGE OF UNITS SCREENED						
HIV	100	100	100	100	100	100
HBsAg	100	100	100	100	100	100
HCV	100	100	100	100	100	100
Syphilis	100	100	100	100	100	100
<i>T. cruzi</i>	100	96.23	100	100	100	100
HTLV I-II	11.05	11.94	6.61	6.83	8.2	9.58
Anti-HBc	15.87	25.56	28.46	11.47	25.12	26.18
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0.35	0.42	0.3	0.37	0.36	0.31
HBsAg	0.35	0.49	0.23	0.23	0.21	0.15
HCV	0.54	0.25	0.25	0.25	0.24	0.26
Syphilis	1.16	1.11	1.25	1.42	1.4	1.21
<i>T. cruzi</i>	0.22	0.3	0.25	0.34	0.41	0.53
HTLV I-II	0.02	0.02	0.01	0.06	0.39	0.66*
Anti-HBc	3.52	1.24	0.1	0.15	0.07	0.59*
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	94.26	96.33	96.45	96.5	97.25	96.16
FRESH FROZEN PLASMA	77.12	76.27	74.98	72.87	75.82	78.61
FROZEN PLASMA	4.09	12.12	12.36	17.49	14.61	13.4
CRYOPRECIPITATE	4.22	2.5	3.21	3.85	3.24	4.92
PLATELETS	51.71	43.59	46.19	49.51	49.39	47.97
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	NR	44.78	2.18	1.15	1.16	16.12
PACKED RED BLOOD CELLS	NR	3.98	5.45	5.25	5.42	5.42
FRESH FROZEN PLASMA	NR	27.33	31.94	25.11	26.88	30.85
FROZEN PLASMA	NR	37.2	52.93	44.83	67.74	48.9
CRYOPRECIPITATE	NR	7.85	9.39	12.55	12.16	7.27
PLATELETS	NR	23.7	31.78	32.1	26.37	26.51

* HTLV I-II screening was performed in 9.58% of the units, anti-HBc in 26.18%. CMV prevalence 0.59%.

EL SALVADOR						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	94,494	98,088	98,090	92,882	104,616	101,809
NUMBER OF AUTOLOGOUS DONORS	2	9	2	63	3	1
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	11.51	14.3	14.95	17.03	22.04	23.72
REPLACEMENT DONORS	88.49	85.7	85.05	82.97	77.96	76.27
REMUNERATED DONORS	0	0	0	0	0	0
PERCENTAGE OF UNITS SCREENED						
HIV	100	100	100	100	100	100
HBsAg	100	100	100	100	100	100
HCV	100	100	100	100	100	100
Syphilis	100	100	100	100	100	100
<i>T. cruzi</i>	100	100	100	100	100	100
HTLV I-II	NR	NR	NR	NR	0	NR
Anti-HBc	NR	NR	NR	NR	0	NR
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0.05	0.07	0.09	0.13	0.09	0.34
HBsAg	0.13	0.12	0.12	0.12	0.1	0.17
HCV	0.11	0.15	0.22	0.1	0.12	0.15
Syphilis	0.75	0.75	1.19	1.5	1.48	1.25
<i>T. cruzi</i>	1.51	3.21	2.3	2.65	3.86	2.07
HTLV I-II	NR	NR	NR	NR	NR	NR
Anti-HBc	NR	NR	NR	NR	NR	NR
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	94.25	99.88	87.81	NR	99.85	NR
FRESH FROZEN PLASMA	58.83	66.32	65.87	75.92	66.94	NR
FROZEN PLASMA	NR	NR	NR	0	NR	NR
CRYOPRECIPITATE	11.63	16.4	14.52	16.22	12.22	NR
PLATELETS	56.18	55.17	75.6	90.09	59.41	NR
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	NI	NI	0.68	0.69	3.82	NR
PACKED RED BLOOD CELLS	2.23	5.78	6.57	5.96	4.13	6.32
FRESH FROZEN PLASMA	20.16	19.31	19.44	16.79	10.23	NR
FROZEN PLASMA	NR	NR	NR	NA	NR	NR
CRYOPRECIPITATE	0.76	47.81	54.03	3.4	2.28	NR
PLATELETS	6.31	1.18	0.86	11.42	9.13	NR

GUATEMALA						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	113,041	121,921	114,404	126,244	135,495	136,818
NUMBER OF AUTOLOGOUS DONORS	23	14	16	22	3	8
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	4.34	4.81	6.66	5.44	5.07	5.03
REPLACEMENT DONORS	95.66	95.19	93.34	94.56	94.93	94.96
REMUNERATED DONORS	0	0	0	0	0	0
PERCENTAGE OF UNITS SCREENED						
HIV	100	100	100	100	100	100
HBsAg	100	100	100	100	100	100
HCV	100	100	100	100	100	100
Syphilis	100	100	100	100	100	100
<i>T. cruzi</i>	100	100	100	100	100	100
HTLV I-II	NR	NR	NR	NR	94.25	0.48
Anti-HBc	77.41	100	82.91	93.82	73.03	94.6
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0.27	0.39	0.15	0.24	0.27	0.17
HBsAg	0.38	0.46	0.45	0.38	0.43	0.37
HCV	0.61	0.97	0.57	0.54	0.56	0.56
Syphilis	1.9	2.67	1.56	1.41	1.24	1.15
<i>T. cruzi</i>	1.02	1.04	1.04	0.93	0.83	0.72
HTLV I-II	NR	NR	NR	NR	2.8	NR
Anti-HBc	3.94	3.92	3.4	3.14	0.67	2.77
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	87.27	88.21	87.7	88.85	89.59	90.35
FRESH FROZEN PLASMA	47.42	46.82	48.1	50.23	46.56	53.76
FROZEN PLASMA	NR	2.07	2.31	2.94	NR	2.1
CRYOPRECIPITATE	1.08	1.13	2.57	4.37	3.36	2.41
PLATELETS	37.71	36.14	38.22	35.38	36.61	36.42
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	22.53	21.89	1.72	0.27	7.28	13.75
PACKED RED BLOOD CELLS	12.59	13.52	15.43	5.26	4.31	10.66
FRESH FROZEN PLASMA	29.5	28.03	30.11	20.5	14.72	28.78
FROZEN PLASMA	NR	NR	12.74	NR	NR	NA
CRYOPRECIPITATE	18.53	23.91	12.21	4.18	6.18	NR
PLATELETS	29.23	24.48	26.44	23.98	22.58	31.09

HONDURAS						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	66,519	69,082	58,612	71,646	79,830	80,850
NUMBER OF AUTOLOGOUS DONORS	10	6	1	9	7	6
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	15.66	15	17.25	18.6	21.2	17.27
REPLACEMENT DONORS	84.11	84.13	82.08	80.44	78.74	82.7
REMUNERATED DONORS	0.23	0.87	0.67	0.96	0.06	0.03
PERCENTAGE OF UNITS SCREENED						
HIV	100	100	99.14	100	100	100
HBsAg	100	100	99.17	100	99.95	100
HCV	100	100	99.24	100	99.95	100
Syphilis	100	100	99.21	100	100	100
<i>T. cruzi</i>	100	100	99.25	100	100	100
HTLV I-II	94.02	96.23	98.65	99.85	100	100
Anti-HBc	95.64	96.23	98.68	100	100	100
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0.16	0.15	0.28	0.09	0.11	0.12
HBsAg	0.2	0.28	0.26	0.18	0.18	0.24
HCV	0.38	0.35	0.45	0.38	0.38	0.38
Syphilis	0.95	1.01	0.8	0.7	0.9	0.73
<i>T. cruzi</i>	1.23	1.06	0.96	0.74	0.71	0.77
HTLV I-II	0.31	0.14	0.18	0.15	0.17	0.18
Anti-HBc	2.21	2.23	1.96	1.62	1.69	1.86
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	41.62	46.66	60.56	78.28	85.61	86.14
FRESH FROZEN PLASMA	38.49	37.46	48.93	61.65	67.36	62.96
FROZEN PLASMA	NR	NR	NR	1.11	2.17	1.41
CRYOPRECIPITATE	3.14	3.87	5.27	1.09	3.92	2.57
PLATELETS	31.89	30.27	40.24	41.29	48.36	41.17
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	28.04	NR	7.11	4.74	5.6	32.75
PACKED RED BLOOD CELLS	12.14	6.64	6.72	6.44	4.64	5.47
FRESH FROZEN PLASMA	46.94	24.25	52.4	60.36	61.6	43.48
FROZEN PLASMA	NR	NR	NR	NR	64.9	NA
CRYOPRECIPITATE	4.98	1.68	2.69	80.87	8.7	17.11
PLATELETS	17.74	25.82	12.05	19.14	20.63	27.47

MEXICO						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	1,768,862	1,364,395	1,939,060	2,170,002	2,356,388	2,394,836
NUMBER OF AUTOLOGOUS DONORS	1,716	1,065	0	2,269	2,531	2,178
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	2.77	3.06	2.57	3.80	4.80	5.19
REPLACEMENT DONORS	97.23	96.94	97.43	96.20	95.20	94.72
REMUNERATED DONORS	0	0	0	0	0	0
PERCENTAGE OF UNITS SCREENED						
HIV	98.43	98.45	100	100	100	100
HBsAg	98.36	98.45	100	100	100	100
HCV	98.47	98.44	100	100	100	100
Syphilis	98.20	98.27	100	100	100	100
<i>T. cruzi</i>	90.69	91.85	96.45	99.94	100	100
HTLV I-II	NR	NR	NR	NR	NR	NR
Anti-HBc	NR	NR	NR	NR	NR	NR
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0.25	0.29	0.26	0.24	0.28	0.27
HBsAg	0.15	0.18	0.16	0.15	0.24	0.26
HCV	0.57	0.68	0.60	0.48	0.52	0.54
Syphilis	0.59	0.70	0.58	0.56	1.35	0.88
<i>T. cruzi</i>	0.45	0.53	0.48	0.37	0.38	0.37
HTLV I-II	NR	NR	NR	NR	NR	NR
Anti-HBc	NR	NR	NR	NR	NR	NR
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	91.92	96.85	93.65	94.99	93.33	74.84
FRESH FROZEN PLASMA	74.14	66.39	69.12	79.66	70.58	56.34
FROZEN PLASMA	15.77	19.39	14.71	8.91	18.82	15.02
CRYOPRECIPITATE	5.60	11.08	5.22	5.23	5.23	NR
PLATELETS	40.82	48.31	38.07	38.06	44.6	35.79
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	69.92	NR	3	3	3.45	11.02
PACKED RED BLOOD CELLS	6.99	8.60	6.42	6.34	5.60	5.71
FRESH FROZEN PLASMA	39.86	57.71	39.94	37.59	19.87	42.49
FROZEN PLASMA	NR	NR	NR	NR	NR	NA
CRYOPRECIPITATE	15.49	10.15	15.67	15.65	56.52	NR
PLATELETS	30.88	33.83	31.31	31.31	19.48	32.84

NICARAGUA						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	72,988	72,658	75,035	74,955	76,697	84,682
NUMBER OF AUTOLOGOUS DONORS	0	NR	0	0	0	NR
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	100	100	100	100	100	100
REPLACEMENT DONORS	0	0	0	0	0	0
REMUNERATED DONORS	0	0	0	0	0	0
PERCENTAGE OF UNITS SCREENED						
HIV	100	100	100	100	100	100
HBsAg	100	100	100	100	100	100
HCV	100	100	100	100	100	100
Syphilis	100	100	100	100	100	100
<i>T. cruzi</i>	100	100	100	100	100	100
HTLV I-II	NR	NR	NR	NR	NR	NR
Anti-HBc	NR	NR	NR	NR	NR	NR
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0.06	0.04	0.07	0.09	0.09	0.06
HBsAg	0.22	0.21	0.21	0.18	0.23	0.19
HCV	0.34	0.32	0.3	0.34	0.27	0.27
Syphilis	0.6	0.36	0.3	0.32	0.57	0.3
<i>T. cruzi</i>	0.27	0.4	0.31	0.34	0.5	0.22
HTLV I-II	NR	NR	NR	NR	NR	NR
Anti-HBc	NR	NR	NR	NR	NR	NR
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	98.76	98.63	97.6	96.65	98.07	99
FRESH FROZEN PLASMA	91.93	86.43	89.73	51.93	85.52	90.87
FROZEN PLASMA	6.83	3.58	8.39	4.9	5	7.05
CRYOPRECIPITATE	6.85	6.58	9.68	5.15	8.58	7
PLATELETS	52.93	55.88	57.87	53.41	56.93	56.82
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	78.7	68.21	1.09	0.82	0	NR
PACKED RED BLOOD CELLS	2.24	2	1.83	1.41	1.82	1.15
FRESH FROZEN PLASMA	50.31	50.83	50.92	83.15	61.65	51.07
FROZEN PLASMA	97.65	NR	89.66	NR	5.48	42.52
CRYOPRECIPITATE	2.72	2.07	2.29	2.1	0.61	1.18
PLATELETS	4.62	4.27	2.36	2.61	3.48	2.64

PANAMA						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	55,083	53,529	37,833	56,313	57,002	50,544
NUMBER OF AUTOLOGOUS DONORS	138	115	22	19	48	61
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	4.44	5.79	7.98	7.05	6.68	4.97
REPLACEMENT DONORS	86.18	85.9	72.87	87.65	89.25	90.82
REMUNERATED DONORS	9.38	8.09	19.15	5.3	4.07	4.08
PERCENTAGE OF UNITS SCREENED						
HIV	100	100	100	100	100	100
HBsAg	100	100	100	100	100	100
HCV	100	100	100	100	100	100
Syphilis	100	100	100	100	100	100
<i>T. cruzi</i>	100	100	100	100	100	100
HTLV I-II	98.33	100	100	100	100	100
Anti-HBc	100	100	100	100	100	100
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0.23	0.17	0.11	0.16	0.17	0.16
HBsAg	0.32	0.22	0.2	0.21	0.22	0.24
HCV	0.6	0.5	0.34	0.36	0.39	0.34
Syphilis	1.17	1.38	1.04	0.88	0.98	0.89
<i>T. cruzi</i>	0.48	0.4	0.37	0.52	0.24	0.2
HTLV I-II	0.5	0.33	0.32	0.44	0.4	0.34
Anti-HBc	1.96	1.97	1.67	1.74	1.87	1.4
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	89.61	81.21	90.91	88.28	88.82	93.4
FRESH FROZEN PLASMA	41.94	38.49	45.51	57.9	47.5	51.2
FROZEN PLASMA	NR	NR	NR	NR	NR	NR
CRYOPRECIPITATE	6.29	6.63	13.81	7.84	9.18	8.51
PLATELETS	51.04	51.73	51.88	57.34	61.32	66.2
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	12.37	NR	0.18	0.21	NR	NR
PACKED RED BLOOD CELLS	13.98	NR	16.89	16.64	13.53	13.78
FRESH FROZEN PLASMA	8.51	NR	25.51	25.63	9.82	25.75
FROZEN PLASMA	NR	NR	NR	NR	NR	NR
CRYOPRECIPITATE	10.7	NR	3.79	11.59	4.4	18.6
PLATELETS	18.25	NR	40.98	35.57	37.54	45.7

PARAGUAY						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	62,154	86,056	87,888	86,120	93,539	88,734
NUMBER OF AUTOLOGOUS DONORS	9	116	0	123	39	27
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	11.48	9.2	9.13	10.25	10.79	14.28
REPLACEMENT DONORS	88.51	90.8	90.87	89.75	89.21	85.69
REMUNERATED DONORS	0	0	0	0	0	0
PERCENTAGE OF UNITS SCREENED						
HIV	98.99	100	100	100	100	100
HBsAg	98.99	100	100	100	100	100
HCV	98.99	100	100	100	100	100
Syphilis	98.99	100	100	100	100	100
<i>T. cruzi</i>	98.99	100	100	100	100	100
HTLV I-II	98.99	100	100	100	100	100
Anti-HBc	98.99	100	100	100	100	100
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0.71	0.43	0.34	0.29	0.31	0.22
HBsAg	0.34	0.3	0.34	0.3	0.3	0.37
HCV	0.35	0.3	0.37	0.34	0.49	0.54
Syphilis	7.51	6.47	6.57	6	5.83	5.33
<i>T. cruzi</i>	2.48	2.33	2.33	2.37	2.08	1.75
HTLV I-II	0.16	0.28	0.21	0.32	0.29	0.27
Anti-HBc	2.67	3.03	2.9	2.75	2.48	2.34
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	51.57	83.65	90.75	97.57	93.84	93.42
FRESH FROZEN PLASMA	41.5	70.73	67.99	75.71	72	73.81
FROZEN PLASMA	8.08	30.87	13.68	9.92	10.97	13.23
CRYOPRECIPITATE	0.91	6.38	7.94	8.54	6.57	5.28
PLATELETS	26.01	57.78	48.93	58.25	57.53	60.51
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	13.65	7.88	1.67	1.44	1.44	29.88
PACKED RED BLOOD CELLS	19.72	16.42	14.18	14.39	13.58	14.12
FRESH FROZEN PLASMA	34.6	15.5	25.38	28.22	28.12	25.44
FROZEN PLASMA	38.06	14.53	NR	NR	63.58	55.35
CRYOPRECIPITATE	28.87	4.27	9.7	8.14	10.4	7.94
PLATELETS	68	30.08	61.83	46.73	42.81	43.35

PERU						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	166,049	204,871	NR	NR	339,594	359,458
NUMBER OF AUTOLOGOUS DONORS	295	118	NR	NR	NR	NR
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	5.66	4.56	NR	NR	9.26	10
REPLACEMENT DONORS	94.34	95.43	NR	NR	90.74	90
REMUNERATED DONORS	0	0.005	NR	NR	0	0
PERCENTAGE OF UNITS SCREENED						
HIV	100	100	NR	NR	100	100
HBsAg	100	100	NR	NR	100	100
HCV	100	100	NR	NR	100	100
Syphilis	100	100	NR	NR	100	100
<i>T. cruzi</i>	100	100	NR	NR	100	100
HTLV I-II	100	100	NR	NR	100	100
Anti-HBc	100	100	NR	NR	100	100
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0.19	0.23	NR	NR	0.27	0.22
HBsAg	0.41	0.38	NR	NR	0.33	0.41
HCV	0.47	0.56	NR	NR	0.43	0.6
Syphilis	1.12	1.19	NR	NR	0.93	0.98
<i>T. cruzi</i>	0.61	0.5	NR	NR	0.36	0.45
HTLV I-II	0.98	0.88	NR	NR	0.76	0.78
Anti-HBc	4.31	4.19	NR	NR	2.98	2.77
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	87.96	90.65	NR	NR	88.99	96.29
FRESH FROZEN PLASMA	62.65	67.53	NR	NR	65.84	65.83
FROZEN PLASMA	15.51	14.22	NR	NR	NR	NR
CRYOPRECIPITATE	6.39	8.82	NR	NR	27.1	21.03
PLATELETS	51.95	51.32	NR	NR	58.72	48.31
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	10.17	11.33	NR	NR	NR	100
PACKED RED BLOOD CELLS	9.82	13.68	NR	NR	6.07	6.99
FRESH FROZEN PLASMA	21.14	30.92	NR	NR	42.88	83.11
FROZEN PLASMA	50.89	92.46	NR	NR	NR	NR
CRYOPRECIPITATE	18.67	7.78	NR	NR	3.1	7.12
PLATELETS	26.38	26.77	NR	NR	23.34	43.05

URUGUAY						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	104,342	99,151	96,563	90,669	88,039	91,381
NUMBER OF AUTOLOGOUS DONORS	358	604	305	198	199	125
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	NI	46.48	49.79	51.44	52.42	43.9
REPLACEMENT DONORS	NI	53.52	50.21	48.56	47.58	55.96
REMUNERATED DONORS	NI	0	0	0	0	0
PERCENTAGE OF UNITS SCREENED						
HIV	100	100	100	100	100	100
HBsAg	100	100	100	100	100	100
HCV	100	100	100	100	100	100
Syphilis	100	100	100	100	100	100
<i>T. cruzi</i>	100	100	100	100	100	100
HTLV I-II	100	100	100	100	100	100
Anti-HBc	100	100	100	100	100	100
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0.11	0.13	0.09	0.11	0.12	0.1
HBsAg	0.13	0.1	0.1	0.11	0.12	0.16
HCV	0.34	0.36	0.32	0.31	0.3	0.34
Syphilis	0.45	0.49	0.51	0.41	0.41	0.49
<i>T. cruzi</i>	0.31	0.24	0.21	0.19	0.17	0.15
HTLV I-II	0.07	0.13	0.1	0.22	0.13	0.16
Anti-HBc	0.99	0.91	0.88	0.79	0.72	0.6
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	NR	NR	NR	73.49	85.05	84.31
FRESH FROZEN PLASMA	NR	NR	NR	64.82	74.08	76.41
FROZEN PLASMA	NR	NR	NR	4.02	3.99	5.2
CRYOPRECIPITATE	NR	NR	NR	2.78	2.4	3.18
PLATELETS	NR	NR	NR	44.5	52.9	54.41
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	NR	NR	NR	0.11	NR	NR
PACKED RED BLOOD CELLS	NR	NR	NR	27.83	24.08	22.9
FRESH FROZEN PLASMA	NR	NR	NR	1.02	NR	NR
FROZEN PLASMA	NR	NR	NR	1.51	NR	NR
CRYOPRECIPITATE	NR	NR	NR	2.03	NR	NR
PLATELETS	NR	NR	NR	36.76	28.81	28.1

VENEZUELA (BOLIVARIAN REPUBLIC OF)						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	445,957	NR	312,048	299,879	NR	NR
NUMBER OF AUTOLOGOUS DONORS	0	NR	0	NR	NR	NR
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	6.62	NR	5.27	5.81	NR	NR
REPLACEMENT DONORS	93.38	NR	94.73	94.19	NR	NR
REMUNERATED DONORS	0	NR	0	0	NR	NR
PERCENTAGE OF UNITS SCREENED						
HIV	93.38	NR	100	100	NR	NR
HBsAg	93.38	NR	100	100	NR	NR
HCV	93.38	NR	100	100	NR	NR
Syphilis	93.38	NR	100	100	NR	NR
<i>T. cruzi</i>	93.38	NR	100	100	NR	NR
HTLV I-II	93.38	NR	100	100	NR	NR
Anti-HBc	93.38	NR	100	100	NR	NR
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0.19	NR	0.25	0.25	NR	NR
HBsAg	0.43	NR	0.37	0.39	NR	NR
HCV	0.3	NR	0.28	0.34	NR	NR
Syphilis	1.69	NR	1.67	1.55	NR	NR
<i>T. cruzi</i>	0.27	NR	0.35	0.31	NR	NR
HTLV I-II	0.15	NR	0.14	0.18	NR	NR
Anti-HBc	2.85	NR	2.74	2.56	NR	NR
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	88.27	NR	95.62	94.47	NR	NR
FRESH FROZEN PLASMA	73.11	NR	77.23	78.19	NR	NR
FROZEN PLASMA	5.97	NR	NR	5.42	NR	NR
CRYOPRECIPITATE	5.97	NR	4.89	5.42	NR	NR
PLATELETS	51.98	NR	55.98	58.45	NR	NR
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	NR	NR	NR	NR	NR	NR
PACKED RED BLOOD CELLS	4.47	NR	NR	12.78	NR	NR
FRESH FROZEN PLASMA	NR	NR	NR	NR	NR	NR
FROZEN PLASMA	NR	NR	NR	NR	NR	NR
CRYOPRECIPITATE	NR	NR	NR	NR	NR	NR
PLATELETS	NR	NR	NR	NR	NR	NR

COUNTRY SUMMARIES

THE CARIBBEAN 2016-2017

ANGUILLA						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	115	140	121	97	133	191
NUMBER OF AUTOLOGOUS DONORS	1	0	0	0	0	0
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	29.82	32.14	17.35	44.33	63.90	46.07
REPLACEMENT DONORS	70.18	67.86	82.65	55.67	36.10	53.93
REMUNERATED DONORS	0	0	0	0	0	0
PERCENTAGE OF UNITS SCREENED						
HIV	100	100	100	100	100	100
HBsAg	100	100	100	100	100	100
HCV	100	100	100	100	100	100
Syphilis	100	100	100	100	100	100
HTLV I-II	0	0	0	0	0	0
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0	NR	NR	0	0	0
HBsAg	0.88	0.71	NR	0	0.75	0
HCV	0	0.71	NR	0	0	0
Syphilis	0	NR	NR	0	0	0
HTLV I-II	NR	NR	NR	NR	NR	NR
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	61.74	56.43	65.29	55.10	69.10	72.25
FRESH FROZEN PLASMA	NR	NR	NR	0	0	NR
FROZEN PLASMA	NR	NR	NR	0	0	NR
CRYOPRECIPITATE	NR	NR	NR	0	0	NR
PLATELETS	NR	NR	NR	0	0	0.50
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	22.72	14.75	8.26	10.20	6.76	13.21
PACKED RED BLOOD CELLS	NR	NR	NR	0	0	2.17
FRESH FROZEN PLASMA	NR	NR	NR	NA	NA	NR
FROZEN PLASMA	NR	NR	NR	NA	NA	NR
CRYOPRECIPITATE	NR	NR	NR	NA	NA	NR
PLATELETS	NR	NR	NR	NA	NA	NR

ARUBA						
	2012	2013	2014	2015	2016*	2017
NUMBER OF UNITS COLLECTED	3,116	2,998	2,829	3,065	3,065	2513
NUMBER OF AUTOLOGOUS DONORS	5	4	0	0	0	0
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	100	100	100	100	100	100
REPLACEMENT DONORS	0	0	0	0	0	0
REMUNERATED DONORS	0	0	0	0	0	0
PERCENTAGE OF UNITS SCREENED						
HIV	100	100	100	100	100	100
HBsAg	100	100	100	100	100	100
HCV	100	100	100	100	100	100
Syphilis	100	100	100	100	100	100
HTLV I-II	100	100	100	100	100	100
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0.03	0	0	0	0	0
HBsAg	0	0.03	0	0	0	0
HCV	0	0	0	0.03	0.03	0
Syphilis	0	0	0	0	0	0
HTLV I-II	0	0	0.04	0.03	0.03	0
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	97.17	97.6	100	100	100	90.3
FRESH FROZEN PLASMA	15.1	18.55	14.7	17.13	17.13	29.4
FROZEN PLASMA	NR	NR	0	0	0	0
CRYOPRECIPITATE	NR	NR	0	0	0	0
PLATELETS	69.8	68.71	82.25	84.64	84.64	58.6
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	NR	NR	0	0	0	0
PACKED RED BLOOD CELLS	1.65	3.79	1.45	7.68	7.68	12.7
FRESH FROZEN PLASMA	15.35	26.26	9.86	13.84	13.84	5.9
FROZEN PLASMA	NR	NR	NA	NA	NA	0
CRYOPRECIPITATE	NR	NR	NA	NA	NA	0
PLATELETS	72	67.38	NR	65.27	65.27	75.4

* Data 2015

BAHAMAS						
	2012	2013	2014	2015	2016*	2017
NUMBER OF UNITS COLLECTED	7,638	7,214	4,563	5,747	5,747	5,596
NUMBER OF AUTOLOGOUS DONORS	2	16	5	8	8	8
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	37.87	41.93	40.79	28.05	28.05	23.11
REPLACEMENT DONORS	62.12	58.07	59.21	71.95	71.95	73.78
REMUNERATED DONORS	0	0	0	0	0	0
PERCENTAGE OF UNITS SCREENED						
HIV	100	100	100	100	100	100
HBsAg	100	100	100	100	100	100
HCV	100	100	100	100	100	100
Syphilis	100	100	100	100	100	100
HTLV I-II	100	100	100	100	100	100
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0.2	0.14	0	0.14	0.14	0.14
HBsAg	0.51	0.36	0.13	0.5	0.5	0.53
HCV	0.29	0.25	0.04	0.28	0.28	0.27
Syphilis	1.17	0.97	0.35	0.78	0.78	0.8
HTLV I-II	0.33	0.28	0.09	0.33	0.33	0.52
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	71.16	69.64	100	99.87	99.87	99.09
FRESH FROZEN PLASMA	21.18	22.58	37.59	34.34	34.34	25.64
FROZEN PLASMA	NR	33.5	0	0	0	47.5
CRYOPRECIPITATE	NR	NR	0	0.39	0.39	0
PLATELETS	25.28	26.75	35.84	33.69	33.69	23.96
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	NR	5.82	0	0	0	172.55
PACKED RED BLOOD CELLS	6.49	11.43	6.21	6.59	6.59	6.47
FRESH FROZEN PLASMA	20.7	34.75	17.87	26.72	26.72	24.95
FROZEN PLASMA	NR	NR	NA	NA	NA	100
CRYOPRECIPITATE	NR	NR	NA	NR	NR	NR
PLATELETS	23.77	48.7	25.26	52.83	52.83	35.27

* Data 2016

BARBADOS						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	NR	NR	4,638	NR	5,238	5,243
NUMBER OF AUTOLOGOUS DONORS	NR	NR	57	NR	66	47
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	NR	NR	11.55	NR	11.64	10.51
REPLACEMENT DONORS	NR	NR	88.45	NR	88.36	88.59
REMUNERATED DONORS	NR	NR	0	NR		
PERCENTAGE OF UNITS SCREENED						
HIV	NR	NR	100	NR	100	100
HBsAg	NR	NR	100	NR	100	100
HCV	NR	NR	100	NR	100	100
Syphilis	NR	NR	100	NR	100	100
HTLV I-II	NR	NR	100	NR	100	100
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	NR	NR	0.15	NR	0.23	0.13
HBsAg	NR	NR	0.32	NR	0.31	0.19
HCV	NR	NR	0.51	NR	0.33	0.4
Syphilis	NR	NR	1.22	NR	1.62	1.32
HTLV I-II	NR	NR	0.43	NR	0.48	0.32
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	NR	NR	22.3	NR	NR	15.07
FRESH FROZEN PLASMA	NR	NR	22.3	NR	NR	15.07
FROZEN PLASMA	NR	NR	0	NR	NR	NR
CRYOPRECIPITATE	NR	NR	0.31	NR	NR	NR
PLATELETS	NR	NR	20.6	NR	NR	7.17
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	NR	NR	6.82	NR	NR	6.85
PACKED RED BLOOD CELLS	NR	NR	13.2	NR	NR	10.63
FRESH FROZEN PLASMA	NR	NR	0	NR	NR	14.05
FROZEN PLASMA	NR	NR	NA	NR	NR	NR
CRYOPRECIPITATE	NR	NR	0	NR	NR	NR
PLATELETS	NR	NR	0	NR	NR	30.59

BELIZE						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	4,795	5,120	4,329	5,564	5,826	6,092
NUMBER OF AUTOLOGOUS DONORS	0	0	0	0	0	0
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	13.22	13.85	25.78	14.07	13.90	11.16
REPLACEMENT DONORS	86.78	86.15	74.22	85.93	86.40	88.84
REMUNERATED DONORS	0	0	0	0	0	0
PERCENTAGE OF UNITS SCREENED						
HIV	100	100	100	100	100	100
HBsAg	100	100	100	100	100	100
HCV	100	100	100	100	100	100
Syphilis	100	100	100	100	100	100
HTLV I-II	NR	NR	NR	NR	NR	NR
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0.27	0.12	0.16	0.2	0.14	0.1
HBsAg	0.38	0.23	0.51	0.25	0.46	0.16
HCV	0.27	0.17	0.23	0.09	0.26	0.05
Syphilis	1.5	3.38	0.67	0.45	0.09	0.2
HTLV I-II	NR	NR	NR	NR	NR	NR
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	35.85	43.05	35.71	29.28	32.99	39.45
FRESH FROZEN PLASMA	15.66	21.11	12.2	16.55	10.12	19.78
FROZEN PLASMA	20.19	21.86	23.52	12.37	11.80	19.6
CRYOPRECIPITATE	NR	0.08	0.69	0.36	2.23	0.07
PLATELETS	15.62	12.79	11.6	13.17	6.59	19.78
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	NI	29.49	17.88	10.44	7.05	18.13
PACKED RED BLOOD CELLS	7.68	8.85	7.5	11.97	3.38	5.37
FRESH FROZEN PLASMA	14.25	13.5	15.72	16.61	28.64	12.78
FROZEN PLASMA	75.41	30.92	12.87	18.46	5.90	30.82
CRYOPRECIPITATE	NR	NR	0	NR	NR	100
PLATELETS	37.52	81.22	54.18	46.25	1.39	52.28

2017: *T. cruzi*: 100% screening; 0.12% prevalence.

BERMUDA						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	2,179	1,836	1,602	1,676	2,023	1,603
NUMBER OF AUTOLOGOUS DONORS	11	2	0	0	0	NR
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	100	100	100	100	100	100
REPLACEMENT DONORS	0	0	0	0	0	0
REMUNERATED DONORS	0	0	0	0	0	0
PERCENTAGE OF UNITS SCREENED						
HIV	100	100	100	100	100	100
HBsAg	100	100	100	100	100	100
HCV	100	100	100	100	100	100
Syphilis	100	100	100	100	100	100
HTLV I-II	100	100	100	100	100	100
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0.05	0.05	0	0	0	0.06
HBsAg	0.05	0.05	0	0	0	0
HCV	0.05	0	0	0	0.50	0
Syphilis	0.18	0	0	0	0.50	0
HTLV I-II	0.05	0.5	0	0	0.15	0
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	93.76	86.76	100	92.24	100	90.08
FRESH FROZEN PLASMA	19.6	16.72	22.35	10.8	22.60	12.79
FROZEN PLASMA	NR	NR	0	0	0	NR
CRYOPRECIPITATE	NR	NR	0	0	0	NR
PLATELETS	NR	NR	9.55	9.43	9.23	NR
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	NR	NR	2.19	1.73	2.3	24.53
PACKED RED BLOOD CELLS	11.21	3.77	4.12	6.27	1.0	3.12
FRESH FROZEN PLASMA	17.1	18.24	13.69	21.55	10.2	4.88
FROZEN PLASMA	NR	NR	NA	NA	0	NR
CRYOPRECIPITATE	NR	NR	NA	NA	0	NR
PLATELETS	NR	NR	66.01	75.95	53.2	NR

2017: *T. cruzi*: 0.18% screening; 0% prevalence.

BRITISH VIRGIN ISLANDS						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	381	353	350	NR	NR	NR
NUMBER OF AUTOLOGOUS DONORS	2	5	NR	NR	NR	NR
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	0	0	NR	NR	NR	NR
REPLACEMENT DONORS	100	100	NR	NR	NR	NR
REMUNERATED DONORS	0	0	NR	NR	NR	NR
PERCENTAGE OF UNITS SCREENED						
HIV	100	100	100	NR	NR	NR
HBsAg	100	100	100	NR	NR	NR
HCV	100	100	100	NR	NR	NR
Syphilis	100	100	100	NR	NR	NR
HTLV I-II	100	100	100	NR	NR	NR
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0	0	0	NR	NR	NR
HBsAg	1.05	0.85	0	NR	NR	NR
HCV	0.52	0	0.57	NR	NR	NR
Syphilis	1.05	1.42	0.86	NR	NR	NR
HTLV I-II	0.26	0.57	0.57	NR	NR	NR
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	99.74	99.15	100	NR	NR	NR
FRESH FROZEN PLASMA	31.57	30.53	24	NR	NR	NR
FROZEN PLASMA	68.24	68.56	76	NR	NR	NR
CRYOPRECIPITATE	NR	0	0	NR	NR	NR
PLATELETS	NR	0	0	NR	NR	NR
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	NR	NR	0	NR	NR	NR
PACKED RED BLOOD CELLS	20.79	16.86	11.71	NR	NR	NR
FRESH FROZEN PLASMA	NR	13.89	16.67	NR	NR	NR
FROZEN PLASMA	NR	100	0	NR	NR	NR
CRYOPRECIPITATE	NR	NR	NA	NR	NR	NR
PLATELETS	NR	NR	NA	NR	NR	NR

CAYMAN ISLANDS						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	1,026	1,018	1,071	1,115	1,273	1,555
NUMBER OF AUTOLOGOUS DONORS	0	0	0	0	0	0
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	100	100	100	100	100	100
REPLACEMENT DONORS	0	0	0	0	0	0
REMUNERATED DONORS	0	0	0	0	0	0
PERCENTAGE OF UNITS SCREENED						
HIV	100	100	100	100	100	100
HBsAg	100	100	100	100	100	100
HCV	100	100	100	100	100	100
Syphilis	100	100	100	100	100	100
HTLV I-II	100	100	100	100	100	100
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0	0	0	0.18	0.39	0.26
HBsAg	0	0.3	0.37	0	0	0.13
HCV	0	0.1	0	0.18	0.31	0.26
Syphilis	0.1	0.1	0.28	0.09	0.08	0.32
HTLV I-II	0	1.18	1.21	0.36	0	0.39
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	90.84	90.96	90.85	94.8	97.41	91.96
FRESH FROZEN PLASMA	48.25	51.77	38.94	53.81	64.89	72.99
FROZEN PLASMA	NR	NR	0	0	0	NR
CRYOPRECIPITATE	NR	NR	0	0	0	8.17
PLATELETS	NR	NR	0	0	0	NR
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	57.45	50	4.11	4.84	3.14	31.2
PACKED RED BLOOD CELLS	7.08	12.63	13.46	18.54	21.13	29.72
FRESH FROZEN PLASMA	39	26	27.1	28.17	27.72	32.95
FROZEN PLASMA	NR	NR	NA	NA	NR	NR
CRYOPRECIPITATE	NR	NR	NA	NA	NR	2,36
PLATELETS	NR	NR	NA	NA	NR	NR

CURAÇAO						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	6,401	5,559	6,628	5,844	6,429	5,665
NUMBER OF AUTOLOGOUS DONORS	3	2	0	0	0	0
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	100	100	100	100	100	100
REPLACEMENT DONORS	0	0	0	0	0	0
REMUNERATED DONORS	0	0	0	0	0	0
PERCENTAGE OF UNITS SCREENED						
HIV	100	100	100	100	100	100
HBsAg	100	100	100	100	100	100
HCV	100	100	100	100	100	100
Syphilis	100	100	100	100	100	100
HTLV I-II	100	100	100	100	100	100
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0	0	0	0	0	0
HBsAg	0	0	0	0	0	0
HCV	0	0	0	0	0	0
Syphilis	0	0	0	0	0	0
HTLV I-II	0	0	0,02	0	0	0
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	99	99.05	100	100	100	100
FRESH FROZEN PLASMA	20.81	19.81	76.95	NR	NR	NR
FROZEN PLASMA	NR	NR	0	20.53	21	19.86
CRYOPRECIPITATE	NR	NR	0	NR	NR	NR
PLATELETS	53.84	53.77	18.11	23.1	21.2	21.5
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	NR	NR	0	0	0	0
PACKED RED BLOOD CELLS	4.46	4.87	0.92	2.82	2.9	2.33
FRESH FROZEN PLASMA	4.73	4.63	1.2	NR	NR	NR
FROZEN PLASMA	NR	NR	NA	NR	NR	NR
CRYOPRECIPITATE	NR	NR	NA	NR	NR	NR
PLATELETS	63.61	71.17	0	13.26	12.7	15.85

DOMINICA						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	946	1,071	1,006	NR	1,165	961
NUMBER OF AUTOLOGOUS DONORS	0	0	0	NR	0	0
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	10.57	8.68	6.56	NR	8.67	17.8
REPLACEMENT DONORS	89.43	91.32	93.44	NR	91.33	82.2
REMUNERATED DONORS	0	0	0	NR	0	NR
PERCENTAGE OF UNITS SCREENED						
HIV	100	100	100	NR	100	100
HBsAg	100	100	100	NR	100	100
HCV	NR	0	NR	NR	NR	0.00
Syphilis	100	100	100	NR	100	100
HTLV I-II	100	100	100	NR	100	100
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0	0	0	NR	0.09	0.22
HBsAg	0.21	0.19	0.2	NR	0.09	0.00
HCV	NR	NR	NR	NR	NR	NR
Syphilis	1.16	1.21	1.89	NR	0.11	0.67
HTLV I-II	0.95	1.49	0.8	NR	0.07	1.01
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	95.35	96.26	50.7	NR	67.98	94.6
FRESH FROZEN PLASMA	54.33	63.77	50.7	NR	67.98	43.7
FROZEN PLASMA	NR	NR	0	NR	0	NR
CRYOPRECIPITATE	3.81	2.15	0	NR	0	NR
PLATELETS	49.68	43.32	47.22	NR	51.67	35.0
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	NR	NI	4.87	NR	4.46	109.6
PACKED RED BLOOD CELLS	12.86	9.12	10.39	NR	16.41	6.3
FRESH FROZEN PLASMA	NR	56.37	27.06	NR	17.93	45.7
FROZEN PLASMA	NR	NR	NA	NR	NR	NR
CRYOPRECIPITATE	NR	13.04	NA	NR	NR	NR
PLATELETS	NR	50.22	60.84	NR	62.63	53.0

GRENADA						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	1,365	NR	1,267	NR	NR	NR
NUMBER OF AUTOLOGOUS DONORS	NR	NR	1	NR	NR	NR
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	38.83	NR	40.2	NR	NR	NR
REPLACEMENT DONORS	61.17	NR	59.8	NR	NR	NR
REMUNERATED DONORS	0	NR	0	NR	NR	NR
PERCENTAGE OF UNITS SCREENED						
HIV	NR	NR	100	NR	NR	NR
HBsAg	NR	NR	100	NR	NR	NR
HCV	NR	NR	100	NR	NR	NR
Syphilis	NR	NR	100	NR	NR	NR
HTLV I-II	NR	NR	100	NR	NR	NR
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	NR	NR	0.32	NR	NR	NR
HBsAg	NR	NR	0.71	NR	NR	NR
HCV	NR	NR	0.24	NR	NR	NR
Syphilis	NR	NR	0.24	NR	NR	NR
HTLV I-II	NR	NR	0	NR	NR	NR
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	NR	NR	99.05	NR	NR	NR
FRESH FROZEN PLASMA	NR	NR	3.95	NR	NR	NR
FROZEN PLASMA	NR	NR	1.58	NR	NR	NR
CRYOPRECIPITATE	NR	NR	0	NR	NR	NR
PLATELETS	NR	NR	11.21	NR	NR	NR
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	NR	NR	0.95	NR	NR	NR
PACKED RED BLOOD CELLS	NR	NR	9.88	NR	NR	NR
FRESH FROZEN PLASMA	NR	NR	2	NR	NR	NR
FROZEN PLASMA	NR	NR	NA*	NR	NR	NR
CRYOPRECIPITATE	NR	NR	NA	NR	NR	NR
PLATELETS	NR	NR	0	NR	NR	NR

* Discarded Frozen Plasma units count units that were prepared in previous years.

GUADELOUPE						
	2012	2013	2014	2015	2016*	2017
NUMBER OF UNITS COLLECTED	6,788	10,508	NR	7,891	7,891	NR
NUMBER OF AUTOLOGOUS DONORS	0	0	NR	0	0	NR
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	100	100	NR	100	100	NR
REPLACEMENT DONORS	0	0	NR	0	0	NR
REMUNERATED DONORS	0	0	NR	0	0	NR
PERCENTAGE OF UNITS SCREENED						
HIV	100	100	NR	100	100	NR
HBsAg	100	100	NR	100	100	NR
HCV	100	100	NR	100	100	NR
Syphilis	100	100	NR	100	100	NR
HTLV I-II	100	100	NR	100	100	NR
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0.12	0.13	NR	0.03	0.03	NR
HBsAg	0.13	0.11	NR	0.04	0.04	NR
HCV	0	0.1	NR	0.01	0.01	NR
Syphilis	0.37	0.54	NR	0.22	0.22	NR
HTLV I-II	0.09	0.17	NR	0.01	0.01	NR
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	NR	NR	NR	98.01	98.01	NR
FRESH FROZEN PLASMA	NR	NR	NR	0	0	NR
FROZEN PLASMA	NR	NR	NR	0	0	NR
CRYOPRECIPITATE	NR	NR	NR	0	0	NR
PLATELETS	NR	NR	NR	8.09	8.09	NR
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	NR	NR	NR	NR	NR	NR
PACKED RED BLOOD CELLS	NR	NR	NR	NR	NR	NR
FRESH FROZEN PLASMA	NR	NR	NR	NA	NA	NR
FROZEN PLASMA	NR	NR	NR	NA	NA	NR
CRYOPRECIPITATE	NR	NR	NR	NA	NA	NR
PLATELETS	NR	NR	NR	NR	NR	NR

* Data 2015

GUYANA						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	7,712	11,148	NR	9,702	10,195	9,755
NUMBER OF AUTOLOGOUS DONORS	0	0	NR	NR	NR	0
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	100	95.79	NR	100	100	100
REPLACEMENT DONORS	0	4.21	NR	0	0	0
REMUNERATED DONORS	0	0	NR	0	0	0
PERCENTAGE OF UNITS SCREENED						
HIV	100	100	NR	100	100	100
HBsAg	100	100	NR	100	100	100
HCV	100	100	NR	100	100	100
Syphilis	100	100	NR	100	100	100
HTLV I-II	100	100	NR	100	100	100
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0.27	0.34	NR	0.98	0.85	0.63
HBsAg	0.96	0.88	NR	1.41	1.52	1.88
HCV	0.45	0.46	NR	1.07	1.15	1.06
Syphilis	0.66	0.37	NR	0.85	0.59	1.12
HTLV I-II	0.43	0.83	NR	1.01	0.82	1.02
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	63.78	98.82	NR	100	99.95	99.78
FRESH FROZEN PLASMA	15.81	59.17	NR	66.05	79.16	38.84
FROZEN PLASMA	NR	NR	NR	0	0	NR
CRYOPRECIPITATE	1.12	6.01	NR	2.16	19.94	3.94
PLATELETS	13	31.67	NR	20.95	39.75	22.32
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	73.43	NR	NR	0	0	NR
PACKED RED BLOOD CELLS	NR	10	NR	10.48	7.82	17.79
FRESH FROZEN PLASMA	NR	1.49	NR	2.5	6.98	16.65
FROZEN PLASMA	NR	NR	NR	NA	NA	NR
CRYOPRECIPITATE	NR	0.75	NR	2.87	0.68	4.43
PLATELETS	NR	7.53	NR	14.72	3.89	13.96

2017: *T. cruzi*:100% screening; 1.59% prevalence.

HAITI						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	25,608	27,478	28,867	27,752	25,699	28,018
NUMBER OF AUTOLOGOUS DONORS	0	0	0	0	0	0
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	71.75	59.16	53.71	47.7	40	41.3
REPLACEMENT DONORS	28.25	40.84	46.29	52.3	60	58.7
REMUNERATED DONORS	0	0	0	0	0	0
PERCENTAGE OF UNITS SCREENED						
HIV	100	100	100	100	100	100
HBsAg	100	100	100	100	100	100
HCV	100	100	100	100	100	100
Syphilis	100	100	100	100	100	100
HTLV I-II	100	100	100	100	100	100
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0.93	1.1	0.98	0.79	0.61	0.53
HBsAg	3.44	3.52	3.42	3.68	3.26	2.34
HCV	0.44	1.03	0.86	0.85	0.68	0.55
Syphilis	1.99	2.45	2.57	3.5	2.55	1.57
HTLV I-II	0.62	0.71	0.69	0.78	0.77	0.54
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	46.16	22.12	62.48	81.22	17.37	98.3
FRESH FROZEN PLASMA	NR	0.65	62.48	1.85	1.56	0.9
FROZEN PLASMA	NR	NR	0	NR	NR	NR
CRYOPRECIPITATE	NR	NR	0	0.04	0.02	0.3
PLATELETS	NR	4.51	1.72	6.03	4.44	2.8
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	13.38	10.87	8.06	9.9	8.15	NR
PACKED RED BLOOD CELLS	NR	NR	NR	NR	NR	NR
FRESH FROZEN PLASMA	NR	NR	NR	NR	NR	NR
FROZEN PLASMA	NR	NR	NA	NR	NR	NR
CRYOPRECIPITATE	NR	NR	NA	NR	NR	NR
PLATELETS	NR	NR	NR	NR	NR	NR

JAMAICA						
	2012	2013	2014	2015	2016*	2017
NUMBER OF UNITS COLLECTED	30,947	30,679	29,390	31,554	31,554	32,029
NUMBER OF AUTOLOGOUS DONORS	75	78	112	183	183	126
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	23.8	16.48	21.9	35.85	35.85	20.84
REPLACEMENT DONORS	76.2	83.52	78.1	64.15	64.15	78.69
REMUNERATED DONORS	0	0	0	0	0	0
PERCENTAGE OF UNITS SCREENED						
HIV	100	98.27	100	100	100	100
HBsAg	100	98.27	100	100	100	100
HCV	100	98.27	100	100	100	100
Syphilis	100	98.27	100	100	100	100
HTLV I-II	100	98.27	100	100	100	100
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	1.09	0.4	0.44	0.3	0.3	0.3
HBsAg	0.8	0.6	0.75	0.64	0.64	0.65
HCV	0.69	0.7	0.27	0.5	0.5	0.44
Syphilis	2.2	1.5	1.73	2.01	2.01	1.25
HTLV I-II	1.57	2.6	1.51	1.52	1.52	1.42
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	98.79	NR	68.31	73.01	73.01	89.65
FRESH FROZEN PLASMA	NR	9.66	49.84	51.9	51.9	75.24
FROZEN PLASMA	NR	1.07	6.71	9.33	9.33	NR
CRYOPRECIPITATE	NR	1.34	6.96	7.3	7.3	4.8
PLATELETS	NR	4.67	21.49	20.63	20.63	33.04
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	NR	NR	0	NR	NR	NR
PACKED RED BLOOD CELLS	NR	NR	6.21	11.29	11.29	5.38
FRESH FROZEN PLASMA	NR	NR	3.6	2.68	2.68	3.49
FROZEN PLASMA	NR	NR	0.56	NR	NR	NR
CRYOPRECIPITATE	NR	NR	3.03	1	1	4.41
PLATELETS	NR	NR	4.4	7.86	7.86	4.8

*Discrepancy not resolved in 2016 data. Data 2015 is used.

MARTINIQUE						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	NR	NR	NR	11,217	NR	NR
NUMBER OF AUTOLOGOUS DONORS	NR	NR	NR	0	NR	NR
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	NR	NR	NR	100	NR	NR
REPLACEMENT DONORS	NR	NR	NR	0	NR	NR
REMUNERATED DONORS	NR	NR	NR	0	NR	NR
PERCENTAGE OF UNITS SCREENED						
HIV	NR	NR	NR	100	NR	NR
HBsAg	NR	NR	NR	100	NR	NR
HCV	NR	NR	NR	100	NR	NR
Syphilis	NR	NR	NR	100	NR	NR
HTLV I-II	NR	NR	NR	100	NR	NR
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	NR	NR	NR	0	NR	NR
HBsAg	NR	NR	NR	0.02	NR	NR
HCV	NR	NR	NR	0	NR	NR
Syphilis	NR	NR	NR	0.12	NR	NR
HTLV I-II	NR	NR	NR	0.02	NR	NR
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	NR	NR	NR	91.51	NR	NR
FRESH FROZEN PLASMA	NR	NR	NR	0	NR	NR
FROZEN PLASMA	NR	NR	NR	0	NR	NR
CRYOPRECIPITATE	NR	NR	NR	0	NR	NR
PLATELETS	NR	NR	NR	15.94	NR	NR
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	NR	NR	NR	NR	NR	NR
PACKED RED BLOOD CELLS	NR	NR	NR	NR	NR	NR
FRESH FROZEN PLASMA	NR	NR	NR	NA	NR	NR
FROZEN PLASMA	NR	NR	NR	NA	NR	NR
CRYOPRECIPITATE	NR	NR	NR	NA	NR	NR
PLATELETS	NR	NR	NR	NR	NR	NR

SAINT KITTS AND NEVIS						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	NR	331	NR	408	542	570
NUMBER OF AUTOLOGOUS DONORS		0		0	1	0
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	NR	21.45	NR	10.29	5.9	4.39
REPLACEMENT DONORS	NR	78.55	NR	89.71	94.1	95.61
REMUNERATED DONORS	NR	0	NR	0	0	0
PERCENTAGE OF UNITS SCREENED						
HIV	NR	100	NR	100	100	100
HBsAg	NR	100	NR	100	100	100
HCV	NR	100	NR	100	100	100
Syphilis	NR	100	NR	100	100	100
HTLV I-II	NR	76.13	NR	100	100	100
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	NR	0	NR	0	0	0
HBsAg	NR	3.63	NR	2.94	2.58	3.85
HCV	NR	0	NR	0.25	0.74	0.18
Syphilis	NR	0	NR	1.72	1.85	0.52
HTLV I-II	NR	0	NR	1.47	2.58	0.88
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	NR	9.1	NR	4.9	10.16	NR
FRESH FROZEN PLASMA	NR	9.1	NR	4.9	9.55	NR
FROZEN PLASMA	NR	NR	NR	0	0	NR
CRYOPRECIPITATE	NR	NR	NR	0	0	NR
PLATELETS	NR	NR	NR	0	0	NR
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	NR	NR	NR	14.46	11.99	NR
PACKED RED BLOOD CELLS	NR	23.33	NR	60	0	NR
FRESH FROZEN PLASMA	NR	23.33	NR	0	0	NR
FROZEN PLASMA	NR	NR	NR	NA	0	NR
CRYOPRECIPITATE	NR	NR	NR	NA	0	NR
PLATELETS	NR	NR	NR	NA	0	NR

SAINT LUCIA						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	2,276	2,174	2,448	2,463	2,558	2,776
NUMBER OF AUTOLOGOUS DONORS	9	7	8	2	0	4
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	67.76	62.11	57.46	63.51	51.21	56.23
REPLACEMENT DONORS	32.24	37.97	42.54	36.49	48.79	43.62
REMUNERATED DONORS	0	0	0	0	0	0
PERCENTAGE OF UNITS SCREENED						
HIV	100	100	100	100	100	100
HBsAg	100	100	100	100	100	100
HCV	100	100	100	100	100	100
Syphilis	100	100	100	100	100	100
HTLV I-II	100	100	100	100	100	100
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0	0.09	0.08	0.16	0.16	0.14
HBsAg	0.83	0.64	1.26	0.89	0.51	0.43
HCV	0.08	0.05	0.12	0.04	0.08	0.07
Syphilis	0.78	1.1	1.75	1.38	0.9	0.94
HTLV I-II	0.57	0.87	0.61	0.85	0.78	0.25
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	NR	95.54	99.76	96.14	75.02	90.02
FRESH FROZEN PLASMA	NR	18.03	33.1	32.11	24.43	29.11
FROZEN PLASMA	NR	5.93	0	1.06	0	NR
CRYOPRECIPITATE	NR	NR	0	0.08	0.35	0.72
PLATELETS	NR	35.97	43.97	44.86	51.13	40.85
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	NR	69.07	4.72	0.89	0	24.55
PACKED RED BLOOD CELLS	NR	8.57	3.63	7.94	4.69	6.84
FRESH FROZEN PLASMA	NR	8.93	0	18.46	19.84	13.24
FROZEN PLASMA	NR	0.78	NA	NR	NR	NR
CRYOPRECIPITATE	NR	NR	NA	NR	NR	NR
PLATELETS	NR	61	51.85	46.97	49.69	72.93

SAINT VINCENT AND THE GRENADINES						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	1,195	1,161	1,081	1,043	1,113	1,307
NUMBER OF AUTOLOGOUS DONORS	23	16	17	15	10	12
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	6.14	13.8	7.24	14.01	10.96	8.34
REPLACEMENT DONORS	93.86	86.2	92.76	85.99	88.14	90.74
REMUNERATED DONORS	0	0	0	0	0	0
PERCENTAGE OF UNITS SCREENED						
HIV	99.5	100	85.7	98.56	99.1	100
HBsAg	99.5	100	85.7	98.56	99.1	100
HCV	99.5	100	85.7	98.56	99.1	100
Syphilis	99.5	100	85.7	98.56	99.1	100
HTLV I-II	99.5	100	85.7	98.56	98.56	100
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0.17	0.17	0.1	0.1	0.09	0.15
HBsAg	1	0.43	0.8	0.49	0.81	0.85
HCV	0.42	0.52	0.3	0.2	0.18	0.15
Syphilis	1.51	2.8	2.7	2.24	0.91	0.93
HTLV I-II	2.18	2.33	2.21	2.14	1.9	2.08
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	99	98.62	98.3	98.56	99.1	99.01
FRESH FROZEN PLASMA	18.08	22.14	19.12	28.38	32.53	27.93
FROZEN PLASMA	NR	NR	0	0	0	NR
CRYOPRECIPITATE	NR	NR	0	0	0	NR
PLATELETS	18.01	21.62	19.12	28.38	32.53	27.93
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	NI	43.75	0.3	0.58	0.63	46.15
PACKED RED BLOOD CELLS	6.68	16	11.41	9.14	8.5	10.97
FRESH FROZEN PLASMA	NR	10.51	5.76	3.04	3.32	3.01
FROZEN PLASMA	NR	NR	NA	NA	NR	NR
CRYOPRECIPITATE	NR	NR	NA	NA	NR	NR
PLATELETS	72.22	83.67	65.45	69.26	75.14	79.45

SURINAME						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	9,848	10,105	10,521	10,296	10,432	10,270
NUMBER OF AUTOLOGOUS DONORS	2	2	0	6	3	0
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	100	100	100	100	100	100
REPLACEMENT DONORS	0	0	0	0	0	0
REMUNERATED DONORS	0	0	0	0	0	0
PERCENTAGE OF UNITS SCREENED						
HIV	100	98.39	100	100	100	100
HBsAg	100	98.39	100	100	100	100
HCV	100	98.39	100	100	100	100
Syphilis	100	98.39	100	100	100	100
HTLV I-II	100	98.39	100	100	100	100
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0.03	0.01	0.01	0	0.03	0.07
HBsAg	0.02	0.05	0.09	0.06	0.04	0.05
HCV	0.01	0.03	0.03	0.01	0.04	0.07
Syphilis	0	0.03	0.03	0.02	0.05	0.24
HTLV I-II	0.03	0.01	0.02	0	0	0.08
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	100	98.39	98.39	99.7	99.91	100
FRESH FROZEN PLASMA	20.33	19.08	20.49	19.22	19.01	19.35
FROZEN PLASMA	NR	NR	0	0	0	NR
CRYOPRECIPITATE	NR	NR	0	0	0	NR
PLATELETS	22.68	21.03	24.64	28.52	26.64	26.65
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	NR	NR	0	0	0	1.94
PACKED RED BLOOD CELLS	0.66	0.52	0.72	0.94	0	NR
FRESH FROZEN PLASMA	0.65	0.31	1.19	1.42	0	NR
FROZEN PLASMA	NR	NR	NA	NA	0	NR
CRYOPRECIPITATE	NR	NR	NA	NA	0	NR
PLATELETS	15.98	20.2	18.07	19.86	0	3.89

TURKS AND CAICOS ISLANDS						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	674	NR	354	437	465	466
NUMBER OF AUTOLOGOUS DONORS	0	NR	0	0	0	NR
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	57.57	NR	38.14	54.23	100	100
REPLACEMENT DONORS	42.43	NR	61.86	45.77	0	0
REMUNERATED DONORS	0	NR	0	0	0	0
PERCENTAGE OF UNITS SCREENED						
HIV	100	NR	100	100	100	100
HBsAg	100	NR	100	100	100	100
HCV	100	NR	100	100	100	100
Syphilis	100	NR	100	100	100	100
HTLV I-II	100	NR	100	100	100	100
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0	NR	0.28	0	0	0
HBsAg	0	NR	0.85	0	0.86	0
HCV	0	NR	0	0.23	0.43	0
Syphilis	0.15	NR	0.85	1.6	0.43	0
HTLV I-II	0	NR	0.28	0	0.22	0
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	23	NR	64.12	100	99.8	100
FRESH FROZEN PLASMA	4.3	NR	61.86	81.24	71.0	3.0
FROZEN PLASMA	18.69	NR	0.57	0.46	12.9	0
CRYOPRECIPITATE	0	NR	0	0	0	0
PLATELETS	0.74	NR	1.7	1.37	2.4	6.44
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	NR	NR	7.91	0	0	0
PACKED RED BLOOD CELLS	NR	NR	80.18	32.49	32.49	35.62
FRESH FROZEN PLASMA	NR	NR	0	0	8.5	NR
FROZEN PLASMA	NR	NR	0	0	0	NR
CRYOPRECIPITATE	NR	NR	NA	NA	NA	NR
PLATELETS	NR	NR	0	0	54.6	6.67

TRINIDAD AND TOBAGO						
	2012	2013	2014	2015	2016	2017
NUMBER OF UNITS COLLECTED	20,345	21,300	21,249	21,121	21,975	21,483
NUMBER OF AUTOLOGOUS DONORS	55	NR	77	123	100	77
PERCENTAGE TYPE OF ALLOGENEIC DONORS						
VOLUNTARY, ALTRUISTIC, NON-REMUNERATED DONORS	0	NR	17.73	18.41	20.32	24
REPLACEMENT DONORS	100	NR	82.27	81.59	79.68	76
REMUNERATED DONORS	0	NR	0	0	0	0
PERCENTAGE OF UNITS SCREENED						
HIV	100	100	NR	NR	100	100
HBsAg	100	100	NR	NR	100	100
HCV	100	100	NR	NR	100	100
Syphilis	100	100	NR	NR	100	100
HTLV I-II	100	100	NR	NR	100	100
PERCENTAGE OF UNITS REACTIVE / POSITIVE						
HIV	0.2	0.19	NR	NR	0.19	0.23
HBsAg	0.33	0.23	NR	NR	0.17	0.42
HCV	0.31	0.2	NR	NR	0.11	1.12
Syphilis	1.41	1.4	NR	NR	1.11	0.24
HTLV I-II	0.62	0.19	NR	NR	0.06	1.09
PERCENTAGE OF UNITS SEPARATED IN COMPONENTS						
PACKED RED BLOOD CELLS	33.06	36.41	NR	NR	NR	NR
FRESH FROZEN PLASMA	21.59	24.66	NR	NR	NR	NR
FROZEN PLASMA	NR	NR	NR	NR	NR	NR
CRYOPRECIPITATE	1.71	6.71	NR	NR	NR	NR
PLATELETS	17.1	19.82	NR	NR	NR	NR
PERCENTAGE OF UNITS DISCARDED						
WHOLE BLOOD	NR	NR	NR	NR	NR	NR
PACKED RED BLOOD CELLS	NR	NR	NR	NR	NR	NR
FRESH FROZEN PLASMA	NR	NR	NR	NR	NR	NR
FROZEN PLASMA	NR	NR	NR	NR	NR	NR
CRYOPRECIPITATE	NR	NR	NR	NR	NR	NR
PLATELETS	NR	NR	NR	NR	NR	NR

Blood transfusions are necessary to improve or save the lives of children with severe anemia, mothers in obstetric emergencies, patients with hemoglobinopathies, cancer patients, transplant patients, patients with chronic age-related diseases, such as bleeding caused by vascular problems and orthopedic surgeries, people injured in accidents, among other causes.

Supply and access to safe blood for transfusions are closely related to the organization and degree of development of blood services, with the governance and participation of society through voluntary unpaid donation.

Since 2004, the Pan American Health Organization (PAHO) has been collecting and publishing indicators related to blood supply in the countries of Latin America and the Caribbean. In 2014, the countries of the Region of the Americas reaffirmed their commitment to universal health through the approval of the Action Plan for Universal Access to Safe Blood 2014-2019, approved by the 53rd Directing Council held in October 2014 (CD53.6), this plan promotes universal access to safe blood for transfusion in the region, through unpaid voluntary donations, the organization of blood services, the implementation of quality and safety standards and the implementation of governance actions. The data presented here allows monitoring and reporting on progress and limitations in the implementation of the Action Plan for Universal Access to Safe Blood. Furthermore, it is hoped that these data will promote the analysis and evaluation of the indicators at the national and subregional levels, and that strategies that improve blood safety and accessibility to transfusions will be strengthened or modified. The information was provided by the authorities of the countries and corresponds to the years 2016 and 2017.

PAHO



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