



PAN AMERICAN HEALTH ORGANIZATION
Pan American Sanitary Bureau, Regional Office of the
WORLD HEALTH ORGANIZATION

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TRANSFUSION MEDICINE
IN THE CARIBBEAN COUNTRIES, 2000

Washington, D.C.

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INTRODUCTION

The present document summarizes the status of transfusion medicine in the Caribbean countries. The data were collected from national blood programs during the year 2000, using a structured, standardized form.

In this document information on the number of blood banks, number and type of donors, percentage of units screened for HIV, HBsAg, HCV, Syphilis and HTLV I-II, and the percentage of positive markers of infection is presented by country. Additionally, information on blood units separated into its components, and number of units not screened is also given.

The last section of the document provides a brief description of each country's national blood program organization, and a list of personnel responsible for submitting the information.

NUMBER BLOOD BANKS / UNITS COLLECTED / % DONORS, 2000

COUNTRIES/ YEAR 2000	# BLOOD BANKS	# UNITS COLLECTED	PERCENT				UNITS COLLECTED / BANK	UNITS COLLECTED / DAY (260 DAYS)
			REMMUNERATED	FAMILY / REPLACEMENT	VOLUNTARY	AUTOLOGOUS		
ANGUILA	1	26	0	76.93	23.07	0	26	0.10
ANTIGUA	2	1,050	0	0.80	99.00	0.20	525	2
ARUBA	1	2,903	0	0	99.89	0.10	2,903	11
BAHAMAS								
BARBADOS	1	3,481	0	72.33	24.77	2.90	3,481	13
BELIZE	7	3,127	0	93.90	6.10	0	447	2
BERMUDA	1	2,299	0	0.27	98.08	1.65	2,299	9
BVI	1	315	0	92.06	7.94	0	315	1
CAIMAN ISLANDS								
CURACAO	1	6,005	0	99.91	0	0.09	6,005	23
DOMINICA	1	885	0	96.16	3.73	0.11	885	3
GRENADA	1	754	0	89.92	8.48	1.59	754	3
GUYANA	1	3,343	0	78.55	20.61	0.57	3,343	13
JAMAICA	9	26,010	0	80.31	19.60	0.08	2,890	11
MONTSERRAT								
ST. KITTS	1	234	0	99.14	0.42	0.42	234	0.9
ST. LUCIA	2	1,599	0	75.60	24.39	-	799	3
ST. VICENT								
SURINAME	1	5,246	0	0	99.96	0.04	5,246	20
TRINIDAD & TOBAGO	8	14,882	0	38.04	61.57	0.39	1,860	7
TURKS & CAICOS	2	161	0	75	25	0	80	0.30

Official information provided by the National Blood Programs

PERCENTAJE SCREENING FOR INFECTIOUS MARKERS, 2000

COUNTRIES/ YEAR 2000	HIV	HBsAg	HCV	SYPHILIS	HTLV I-II
ANGUILA	100	100	0	100	0
ANTIGUA	100	100	0	100	0
ARUBA	100	100	100	100	100
BAHAMAS	100	100	100	100	100
BARBADOS	100	100	100	100	100
BELIZE	100	100	0	100	0
BERMUDA	100	100	100	100	0
BVI	100	100	0	100	100
CAIMAN ISLANDS					
CURACAO	100	100	100	100	100
DOMINICA	100	100	100	100	100
GRENADA	100	100	0	100	100
GUYANA	100	100	0	100	0
JAMAICA	100	100	100	100	100
MONTSERRAT					
ST. KITTS	100	100	0	100	0
ST. LUCIA	100	100	100	100	100
ST. VICENT					
SURINAME	100	100	100	100	100
TRINIDAD & TOBAGO	100	100	100	100	100
TURKS & CAICOS	71	100	67	71	0

Official information provided by the National Blood Programs

PERCENTAJE UNITS REACTIVE / POSITIVE FOR INFECTIOUS MARKERS, 2000

COUNTRIES/ YEAR 2000	HIV	HBsAg	HCV	SYPHILIS	HTLV I-II
ANGUILLA	0	0	-	0	-
ANTIGUA	0.30	0.80	-	0.80	-
ARUBA	0	0.10	0.20	0.20	0.24
BAHAMAS	N/A	N/A	N/A	N/A	N/A
BARBADOS	0.20	0.30	0.20	0.30	0.50
BELIZE	0.40	1.00	-	2.80	-
BERMUDA	0.08	0.13	0.04	0.13	-
BVI	0.31	0.37	-	0.63	-
CAIMAN ISLANDS					
CURACAO	0	0	0.03	0.02	0.02
DOMINICA	0.45	1.18	0	1.24	2.14
GRENADA	0.30	2.10	-	0.40	3.40
GUYANA	1.00	2.20	-	4.70	-
JAMAICA	0.50	0.50	1.10	0.30	2.50
MONTSERRAT					
ST. KITTS	0.40	6.00	-	2.00	-
ST. LUCIA	0.13	0.40	0	0.63	0.80
ST. VICENT					
SURINAME	0.13	0.29	0.10	0.04	0.10
TRINIDAD & TOBAGO	0.19	0.83	0.37	0.55	0.94
TURKS & CAICOS	0	0.60	-	0.60	-

Official information provided by the National Blood Programs

PERCENTAJE SEPARATION INTO COMPONENTS / PERCENTAJE DISCARDED BLOOD AND BLOOD COMPONENTS, 2000

COUNTRIES / YEAR 2000	% SEPARATION INTO COMPONENTS					% DISCARDED BLOOD AND BLOOD COMPONENTS					
	RBC	FFP	FP	CRYO	PL	WB	RBC	FFP	FP	CRYO	PL
ANGUILA	3.84	0	0	0	0	23.07	0	-	-	-	-
ANTIGUA	13.14	0.09	0	0	0	9.71	0.19	-	-	-	-
ARUBA	100	50	0	0.4	100	0	8	17	-	0	60
BAHAMAS											
BARBADOS	37.46	10.60	0	0	4.62	1.18	1.95	0	-	-	1.09
BELIZE	1.92	1.92	0	0	0	5.40	0.41	-	-	-	-
BERMUDA	60.20	15.22	0.48	0	20.97	4.34	5.27	-	-	-	76.55
BVI	0	0	0	0	0	1.73	-	-	-	-	-
CAIMAN ISLANDS											
CURACAO	100	33.33	0	0	10	-	11.66	5	-	-	20
DOMINICA	-	-	-	-	-	-	-	-	-	-	-
GRENADA	59.81	59.81	0	0	0	3.84	4.87	0	-	-	-
GUYANA	60	60	15.01	0	15.01	5.50	7.48	4.27	34.86	-	31.87
JAMAICA	48.09	40.40	76.95	9.22	20.49	6.83	0	0.15	0	05	0
MONTSERRAT	5.17	0	0	0	0	5.17	0	-	-	-	-
ST. KITTS											
ST. LUCIA	99.31	0	0	0	0	0.44	3.15	-	-	-	-
ST. VICENT											
SURINAME	100	18.40	0	0	27.70	-	1.40	5.90	-	-	18.60
TRINIDAD & TOBAGO	27.05	20.06	0	6.02	6.02	0.27	4.24	5.66	-	-	15.18
TURKS & CAICOS	0	0	0	0	0	1.24	-	-	-	-	-

Official information provided by the National Blood Programs

NUMBER OF BLOOD UNITS THAT ARE NOT SCREENED, 2000

COUNTRIES/ YEAR 2000	HIV	HBsAg	HCV	SYPHILIS	HTLV I-II	TOTAL
ANGUILLA	0	0	26	0	26	52
ANTIGUA	0	0	1,050	0	1,050	2,100
ARUBA	0	0	0	0	0	0
BAHAMAS	0	0	0	0	0	0
BARBADOS	0	0	0	0	0	0
BELIZE	0	0	3,127	0	3,127	6,254
BERMUDA	0	0	0	0	0	0
BVI	0	0	315	0	315	630
CAIMAN ISLANDS						
CURACAO	0	0	0	0	0	0
DOMINICA	0	0	0	0	0	0
GRENADA	0	0	754	0	0	754
GUYANA	0	0	3,343	0	3,343	6,686
JAMAICA	0	0	0	0	0	0
MONTSERRAT						
ST. KITTS	0	0	232	0	232	464
ST. LUCIA	0	0	0	0	0	0
ST. VICENT						
SURINAME	0	0	0	0	0	0
TRINIDAD & TOBAGO	0	0	0	0	0	0
TURKS & CAICOS	46	0	53	46	161	306
TOTAL	46	0	8,900	46	8,254	17,246

Official information provided by the National Blood Programs

BLOOD SYSTEM ORGANIZATION, 2000

COUNTRIES/ YEAR 2000	SPECIFIC LAW	UNIT RESPONSIBLE AT MOH	SPECIFIC BUDGET	NATIONAL POLICY	NATIONAL BLOOD COMISSION
ANGUILA	NO	YES	NO	NO	NO
ANTIGUA	NO	YES	NO	NO	NO
ARUBA	NO	NO	NO	NO	NO
BAHAMAS					
BARBADOS	NO	NO	NO	NO	NO
BELIZE	NO	NO	NO	NO	NO
BERMUDA	NO	NO	NO	NO	NO
BVI	NO	NO	NO		NO
CAIMAN ISLANDS					
CURACAO	NO	NO	NO	NO	NO
DOMINICA	NO	YES	NO	NO	NO
GRENADA	NO	NO	NO	NO	NO
GUYANA	NO	YES	YES	NO	YES
JAMAICA	NO	NO	YES	NO	NO
MONTSERRAT					
ST. KITTS	NO	NO	NO	NO	NO
ST. LUCIA	NO	NO	NO	NO	NO
ST. VICENT					
SURINAME	NO	NO	NO	NO	NO
TRINIDAD & TOBAGO	NO	YES		NO	NO
TURKS & CAICOS	NO	NO	NO	NO	NO

Official information provided by the National Blood Programs

BLOOD SYSTEM ORGANIZATION, 2000

COUNTRIES/ YEAR 2000	NATIONAL REFERENCE BLOOD BANK	NATIONAL BLOOD PLAN	NORMS / GUIDELINES / STANDARDS / RECRUITMENTS, ELECTION, EDUCATION OF BLOOD DONORS	NATIONAL STANDARDS FOR BLOOD BANK OPERATIONS	GUIDELINES FOR THE CLINICAL USE OF BLOOD	SYSTEM FOR BLOOD BANK REGISTRATION
ANGUILA	NO	NO	YES	NO	NO	NO
ANTIGUA	NO	NO	YES	NO	NO	NO
ARUBA	NO	NO	YES	NO	NO	NO
BAHAMAS						
BARBADOS	NO	NO	YES	NO	NO*	NO
BELIZE	NO	NO	NO	NO	NO	NO
BERMUDA	NO	NO	YES**	NO	NO	NO
BVI	NO	NO	YES	NO		YES
CAIMAN ISLANDS						
CURACAO	NO	NO	YES	NO	NO	NO
DOMINICA	NO	NO	YES	NO	NO	NO
GRENADA	NO	NO	YES	NO	NO	NO
GUYANA	NO	NO	YES	YES	NO	NO
JAMAICA	YES	NO	YES	YES	YES	YES
MONTSERRAT						
ST. KITTS	NO	NO	YES	YES	YES	YES
ST. LUCIA	YES	NO	NO	NO	NO	NO
ST. VICENT						
SURINAME	NO	NO	YES	YES	NO	YES
TRINIDAD & TOBAGO	YES	NO	YES	NO	NO	NO
TURKS & CAICOS	NO	NO	YES	YES	NO	NO

Official information provided by the National Blood Programs

* Pending 2001, **Policy and Procedure Manual only

BLOOD SYSTEM ORGANIZATION, 2000

COUNTRIES/ YEAR 2000	QUALITY ASSURANCE POLICY FOR BLOOD BANKS	PROFICIENCY TESTING/ EXTERNAL EVALUATION OF SEROLOGY-TTI	PROFICIENCY TESTING/ EXTERNAL EVALUATION OF IMMUNOHEMATOLOGY	NATIONAL BLOOD BANKS PROGRAM OF INSPECTION	NATIONAL BLOOD BANKS PROGRAM OF CONTINUED EDUCATION
ANGUILA	NO	YES	YES	NO	NO
ANTIGUA	NO	YES	YES	NO	NO
ARUBA	YES	NO	YES	YES	NO
BAHAMAS					
BARBADOS	NO	YES	YES	NO	NO
BELIZE	NO	NO	NO	NO	NO
BERMUDA	NO	YES*	YES	NO	NO
BVI		NO	NO		
CAIMAN ISLANDS					
CURACAO	NO	YES	YES	NO	YES
DOMINICA	YES	YES	YES	NO	NO
GRENADA	NO	NO	NO	NO	NO
GUYANA	NO	NO	YES	NO	NO
JAMAICA	YES	YES	YES	YES	YES
MONTserrat					
ST. KITTS	YES	NO	NO	YES	NO
ST. LUCIA	NO	NO	YES	NO	NO
ST. VICENT					
SURINAME	YES	YES	NO	NO	NO
TRINIDAD & TOBAGO	YES	YES	YES	NO	YES
TURKS & CAICOS	NO	NO	NO	NO	NO

Official information provided by the National Blood Programs

* HIV only

BLOOD SYSTEM ORGANIZATION, 2000

COUNTRIES/ YEAR 2000	STAFF SUBJECT TO CERTIFICATION	BLOOD BANKS ACCREDITED
ANGUILA	NO	NO
ANTIGUA	NO	NO
ARUBA	NO	NO
BAHAMAS		
BARBADOS	NO	NO
BELIZE	NO	NO
BERMUDA	YES	NO
BVI		
CAIMAN ISLANDS		
CURACAO	YES	NO
DOMINICA	NO	NO
GRENADA	NO	NO
GUYANA	NO	NO
JAMAICA	YES	YES
MONTSERRAT		
ST. KITTS	YES	
ST. LUCIA	NO	NO
ST. VICENT		
SURINAME	NO	NO
TRINIDAD & TOBAGO	YES	NO
TURKS & CAICOS	NO	NO

Official information provided by the National Blood Programs

*** COUNTRIES WITH 100% OF SCREENING FOR INFECTIOUS MARKERS
(2000)**

HIV	HBV	HCV	SYPHILIS	HTLV I-II	ALL MARKERS
18	18	10	18	10	9
ANGUILA ANTIGUA ARUBA BAHAMAS BARBADOS BELIZE BERMUDA BVI CURACAO DOMINICA GRENADA GUYANA JAMAICA ST. KITTS ST. LUCIA SURINAME TURKS & CAICOS	ANGUILA ANTIGUA ARUBA BAHAMAS BARBADOS BELIZE BERMUDA BVI CURACAO DOMINICA GRENADA GUYANA JAMAICA ST. KITTS ST. LUCIA SURINAME TRINIDAD & TOBAGO TURKS & CAICOS	ARUBA BAHAMAS BARBADOS BERMUDA CURACAO DOMINICA JAMAICA ST. LUCIA SURINAME TRINIDAD & TOBAGO	ANGUILA ANTIGUA ARUBA BAHAMAS BARBADOS BELIZE BERMUDA BVI CURACAO DOMINICA GRENADA GUYANA JAMAICA ST. KITTS ST. LUCIA SURINAME TRINIDAD & TOBAGO TURKS & CAICOS	ARUBA BAHAMAS BARBADOS CURACAO DOMINICA GUYANA JAMAICA ST. LUCIA SURINAME TRINIDAD & TOBAGO	ARUBA BAHAMAS BARBADOS CURACAO DOMINICA JAMAICA ST. LUCIA SURINAME TRINIDAD & TOBAGO

*** 21 COUNTRIES**

*** COUNTRIES WITH $\geq 50\%$ OF VOLUNTARY DONORS**

(2000)

4

ANTIGUA

ARUBA

BERMUDA

SURINAME

*** 21 COUNTRIES**

*** COUNTRIES WITH 100% BLOOD BANKS PARTICIPATING IN PROFICIENCY
TESTING/EXTERNAL EVALUATION OF PERFORMANCE**

(2000)

12

ANGUILA
ANTIGUA
ARUBA
BARBADOS
BERMUDA
CURACAO
DOMINICA
GUYANA
JAMAICA
ST. LUCIA
SURINAME
TRINIDAD & TOBAGO

*** 21 COUNTRIES**

RESPONSIBLE OF INFORMATION FOR COUNTRIES, 2000

COUNTRIES	NAME	POSITION	ADDRESS
ANGUILA	EVERETTE DUNCAN	SENIOR MEDICAL TECHNOLOGIST	PRINCESS ALEXANDRA HOSPITAL STUNEY GROUND, ANGUILA Phone: 264- 497- 2551/2 Fax: 264-497- 5745
ANTIGUA	HAZALYN MARTIN	CHIEF MEDICAL TECHNOLOGIST	HELBERTON HOSPITAL QUEEN ELIZABETH, HIGHWAY, ANTIGUA Phone: 268-462-2461 Fax: 268-462-2461
ARUBA	VIVIAN LAMPE	MANAGER	STICHTING BLOOD BANK, ARUBA C/o DR. HORACIO ODUBER HOSPITAL Phone: 297-874260 Fax: 297-8721 74
BAHAMAS	WAVENEY CHARLES		
BARBADOS	BARBARA ROBINSON	MEDICAL TECHNOLOGIST (FMT)	MARTINEDALE ROAD, ST MICHEL, BARBADOS Phone: 246-463-6450 Ext. 6124 Fax: 246-429-5374
BELIZE	JOY CHARLEY	SUPERVISOR BLOOD BANK	PRINCESS MARGARET DRIVE, BELIZE Phone: 501-2-45010 Fax: 501-2-35442

COUNTRIES	NAME	POSITION	ADDRESS
BERMUDA	ELFREDA J. LINES FIBMS	SENIOR TECHNOLOGIST BLOOD TRANSFUSION	KING EDWARD MEMORIAL HOSPITAL, 7 POINT FINGER RD, PAGET, BERMUDA Phone: 441-236-2345, Ext. 1818 Fax: 441-236-9200
BVI	ROSETTA SAMUEL	LABORATORY DIRECTOR	PEEBLES HOSPITAL RD TOWN, TORTOLR, BVI. Phone: 284-494-3497 Fax: 284-494-3833
CAIMAN ISLANDS			
CURACAO	DRAG DITS	DIRECTOR	RED CROSS BLOOD BANKS, CURACAO, BREEDESTRAAT Phone: 5999-462-4900 Fax: 5999-462-4930
DOMINICA	AUGUSTUS GADERE	LAB. DIRECTOR	PRINCESS MARGARET HOSPITAL, GOODWILL, DOMINICA Phone: 767-448-2231 Fax: 767-448-8124
GRENADA	EVERLYN PETERS	SENIOR TECHNOLOGIST	GOVERNMENT PATHOLOGICAL LABORATORY, GENERAL HOSPITAL, ST. GEORGES, GRENADA Phone: 473-440-5578 Fax: 473-440-8892

COUNTRIES	NAME	POSITION	ADDRESS
GUYANA	M. Mc. EWAN	MEDICAL DIRECTOR	NATIONAL BLOOD TRANSFUSION SERVICE, c/o PHG, GUYANA Phone: 225-4972 Fax: 226-9022
JAMAICA	GRACE HAYNES	DIRECTOR	NATIONAL BLOOD TRANSFUSION SERVICE, 21 SLIPE PEN RD, KINGSTON, JAMAICA Phone: 876-922-5181, 922-5185 Fax: 876-967-3196
MONTSERRAT			
ST. KITTS	CARLTON DANIEL	SENIOR LABORATOY TECHNOLOGIST	JOSEPH FRANCE HOSPITAL, BASSETERRE, ST KITTS Phone: 869-465-2551 Fax: 869-466-6681
ST. LUCIA	VERONICA LEE	MEDICAL TECHNOLOGIST	ST. LUCIA BLOOD BANK SERVICE, VICTORIA HOSPITAL CASTRIES, ST. LUCIA Phone: 758-452-5430 Fax: 758-452-1688

COUNTRIES	NAME	POSITION	ADDRESS
SURINAME	MARIA TJON A. LOI	MEDICAL DIRECTOR	NATIONAL BLOOD BANK OF THE SURINAME RED CROSS SOCIETY, RODE KRNISLAAN 24, SURINAME Phone: 597-49-8410 Fax: 597-464-780
TRINIDAD & TOBAGO	W. CHARLES	DIRECTOR	160, CHARLOTTE STREET, PORT OF SPAIN, TRINIDAD & TOBAGO Phone: 868-627-2619
TURKS & CAICOS	EDWIN ASTWOOD	CHIEF LABORATORY TECHNOLOGIST	TURKS & CAICOS GOVERNMENT, GRAND TURKS HOSPITAL, TURKS AND CAICOS Phone: 649-946-2060 Fax: 649-946-2060