

**RECENT HIV SEROPREVALENCE LEVELS  
BY COUNTRY: JULY 1998**



**Health Studies Branch  
International Programs Center  
Population Division  
U.S. Bureau of the Census**

**Research Note  
No. 25  
July 1998**

## Preface

The International Programs Center of the Population Division conducts specialized studies of population, economics, labor force, health and aging issues. However, the use of data not generated by the Bureau of the Census precludes performing the same statistical reviews normally conducted on its own data.

This research note is the 25<sup>th</sup> of a series of short research documents resulting from analysis conducted in the Health Studies Branch. Distribution in the research note format is intended to allow for rapid dissemination of results to a specialized audience, highlighting recent developments or emerging trends. Reports containing a more thorough presentation and discussion of research findings will continue to be issued in the International Programs Center Staff Paper series.

The preparation of this report was supported by funding from the U.S. Agency for International Development.

This note was prepared by the staff of the Health Studies Branch — Jinkie Corbin, Cindy Barnes, Lisa Mayberry, and Jack Gibson and edited by Chief, Health Studies Branch - Karen A. Stanecki. Comments and questions regarding this study should be addressed to Karen A. Stanecki (kstaneck@census.gov), International Programs Center, Population Division, Bureau of the Census, Washington, D.C. 20233-8860; telephone (301) 457-1406.

**RECENT HIV SEROPREVALENCE LEVELS  
BY COUNTRY: July 1998**

**Contents**

**Introduction** ..... 1

**Data Quality and Qualifications** ..... 1

**Data Organization** ..... 3

**Maps**

**Map 1. African HIV-1 Seroprevalence for High-Risk Urban Populations** ..... 4

**Map 2. African HIV-1 Seroprevalence for Low-Risk Urban Populations** ..... 5

**Map 3. African HIV-2 Seroprevalence for High-Risk Urban Populations** ..... 6

**Map 4. African HIV-2 Seroprevalence for Low-Risk Urban Populations** ..... 7

**Map 5. Seroprevalence of HIV-1 for Low-Risk Populations in East Africa** ..... 8

**Map 6. Seroprevalence of HIV-1 for Low-Risk Populations in West Africa** ..... 9

**Map 7. Seroprevalence of HIV-2 for Low-Risk Populations in West Africa** ..... 10

**Map 8. Seroprevalence of HIV-1 for Low-Risk Populations in Central Africa** ..... 11

**Map 9. Seroprevalence of HIV-1 for Low-Risk Populations in Southern Africa** ..... 12

**Map 10. HIV Seroprevalence among Prostitutes in Cambodia: 1997** ..... 13

**Map 11. HIV Seroprevalence among Pregnant Women in Cambodia: 1997** ..... 14

**Map 12. HIV Seroprevalence among Prostitutes in Thailand: 1997** ..... 15

**Map 13. HIV Seroprevalence among Pregnant Women in Thailand: 1997** ..... 16

**Map 14. HIV Seroprevalence among Prostitutes in Vietnam: 1997** ..... 17

**Map 15. HIV Seroprevalence among Pregnant Women in Vietnam: 1997** ..... 18

## Tables

Table 1. Estimates of HIV-1 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1997 .....	19
Table 2. Estimates of HIV-2 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1997 .....	23
Table 3. Detailed Listing of Estimates of HIV-1 and 2 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1997 .....	24
References .....	34

## **Recent HIV Seroprevalence Levels by Country: July 1998**

### **Introduction**

Since 1987, the International Programs Center, Population Division, Bureau of the Census, has been compiling HIV seroprevalence information for its *HIV/AIDS Surveillance Data Base*. This work has been supported by funding from the U.S. Agency for International Development.

The present update to the data base incorporates all available epidemiological information for developing countries presented at the following Conferences on AIDS, 4th International Congress on AIDS in the Asia and the Pacific, Latin American Congress on Sexually Transmitted Diseases, and Xth International Conference on AIDS and STD in Africa. Currently, the *HIV/AIDS Surveillance Data Base* contains about 39,769 individual data records drawn from 4,371 publications and presentations. It is our goal to incorporate all available data from seroprevalence studies conducted in developing countries.

Several items drawn from the data base are included in this report. These include summary tables showing available seroprevalence estimates for high- and low-risk population groups in major cities and outside major cities for all developing countries. Tables are provided for HIV-1 and HIV-2, where available. Urban data for Africa and three Asian countries, Cambodia, Thailand, and Vietnam have been plotted on maps as well, showing the distribution by country. A brief review of data quality issues and discussion of selection criteria follows. We recognize the somewhat arbitrary nature of this selection and welcome comments.

### **Data Quality and Qualifications**

With rare exception, surveys of HIV seroprevalence are not based on national samples. Therefore, every seroprevalence estimate has a bias if generalized beyond its sample population. The amount of bias is determined by how different the sampled population group or geographic area is from the generalized description placed on the estimate. For instance, an estimate of the HIV seroprevalence of pregnant women in Kinshasa, Zaire, may be generalized to "urban, low-risk group." Yet, Kinshasa is not representative of all urban areas in Zaire, and pregnant women are not representative of all low-risk adults (since by definition they may be more sexually active than many low-risk groups, such as the aged).

Several factors contribute to biases or confusion surrounding HIV seroprevalence estimates:

- **Sample-Size Bias:** The sample sizes of seroprevalence studies are generally very small. Small samples of non-random populations may tend to overestimate the seroprevalence.
- **Nonrepresentative Samples:** Many surveys are taken of populations convenient for the medical team drawing blood for testing. Therefore, many are "samples of convenience," taken in clinics or hospitals where the available sample of people may be sicker than those who do not attend the clinic.
- **Geographic Bias:** As in the case of samples of convenience, samples may also be taken in more-accessible rather than less-accessible geographic areas. Given what is known regarding the spread of HIV infection, we would expect that this would tend to bias upward the estimate of HIV seroprevalence, if the available sources are taken to represent the country as a whole. Note, however, that this particular factor may not bias estimates of seroprevalence in the geographic areas that were, in fact, surveyed.
- **Testing Bias:** In the first several years of the AIDS epidemic, the ELISA test was the predominant test used to determine seropositivity. The ELISA test, however, gives a number of false positives and, therefore, the test results must be confirmed by a second test; in general, the Western Blot. Not all studies report confirmatory testing, although they increasingly do so.
- **HIV-1 and HIV-2 Overlap:** In countries where both HIV-1 and HIV-2 are present, tests are done for both viruses and often find people who test positive for both. To report the people who are only infected with HIV-1 will understate the total infected population because it does not take into account the joint infections. Thus, care must be used in discussions of data from these areas to avoid either double counting or omitting various categories of infected population.

In order to minimize the biases and confusion in using current seroprevalence estimates, we have developed several criteria to select the most representative sample estimate:

- larger samples are generally favored over smaller samples;
- more recent estimates are selected over older estimates; and
- better-documented data are usually selected over poorly-documented data; data without documentation are not used.

These criteria only attempt to minimize the biases in the data, not eliminate them. Therefore, all seroprevalence data must be used with caution.

### **Data Organization**

The data presented in the following seroprevalence tables are taken from the *HIV/AIDS Surveillance Data Base*. The specific rates presented are taken from the most recent studies with a sufficiently large sample size. Where recent data are not available and where sample sizes are small, footnotes qualify the data. In some cases, results from large samples were not included due to insufficient documentation about the sample design, tests or place. The data are imperfect and caution should be used in drawing conclusions. Although they are listed by country name, they are not national level estimates. We can only draw conclusions for the area where these studies were conducted.

The tables that follow are based on data selected as the best available data on HIV-1 and HIV-2 seroprevalence among high- and low-risk populations in developing countries (see Tables 1 and 2). The terms "high risk" and "low risk" are used in these tables and charts to differentiate population subgroups with known risk factors for HIV infection from those without such known risks. As a result of the various transmission modes and the prevalence of the virus in Africa, no group can be considered to have no risk of infection. Sampled populations treated as high risk in this report include prostitutes, bar girls, etc.; clients of prostitutes; and sexually-transmitted disease clinic patients. Sampled populations considered to be low risk include the general population with no known risk, pregnant women, and blood donors.

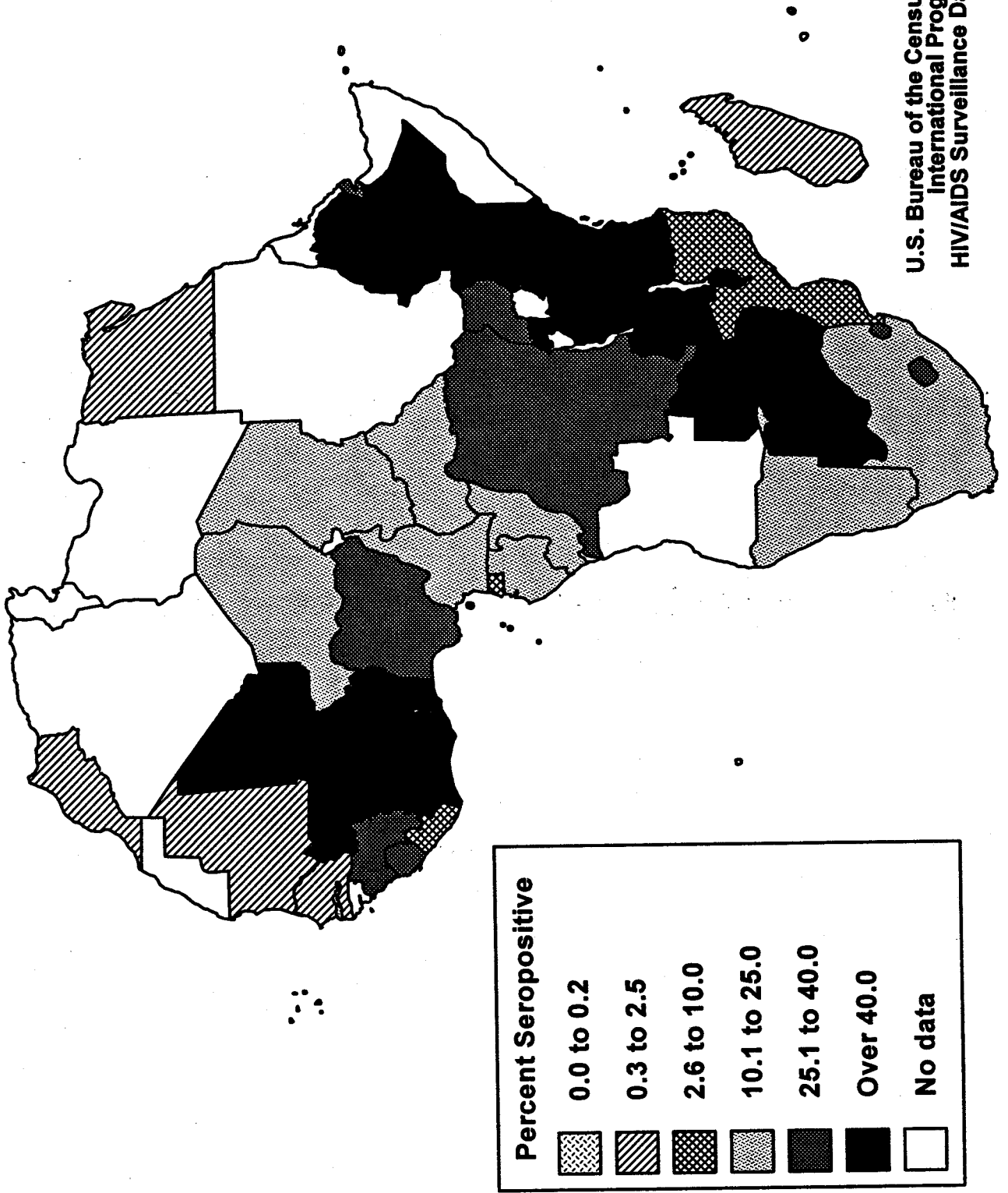
Data were selected using criteria of sample size, recency of data, presence of two diagnostic tests, and minimal evident bias in sample selection, given the target population. Since each figure is based on a single study, it is not an average or composite figure. As yet, there are insufficient comparable studies to make estimates of an "average" seroprevalence meaningful. Detailed sample information for these studies is contained in Table 3. Sources for the data shown in the tables are contained in a unified reference listing.

The tables are also divided by Capital/Major City and Outside Major City. In many studies it is difficult to determine whether or not the universe is a strictly rural area. The geographical boundaries may include some urbanized centers. Is a sample drawn from three villages necessarily a study of the rural population? When the study area is described as a province in the country it is listed in the table as outside the capital/major city. It is usually fairly clear when a study is conducted in the capital or a major city.

We will periodically update these materials with the latest and best available data, at times including a brief discussion of a topic of particular interest.

We welcome comments and suggestions from users of the data base. We also welcome copies of articles or references to information which may have been overlooked.

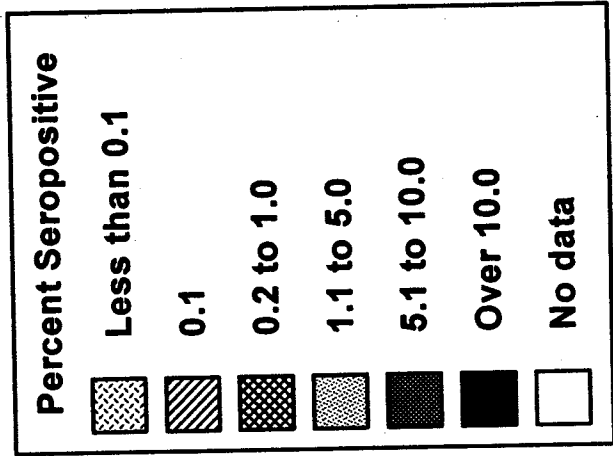
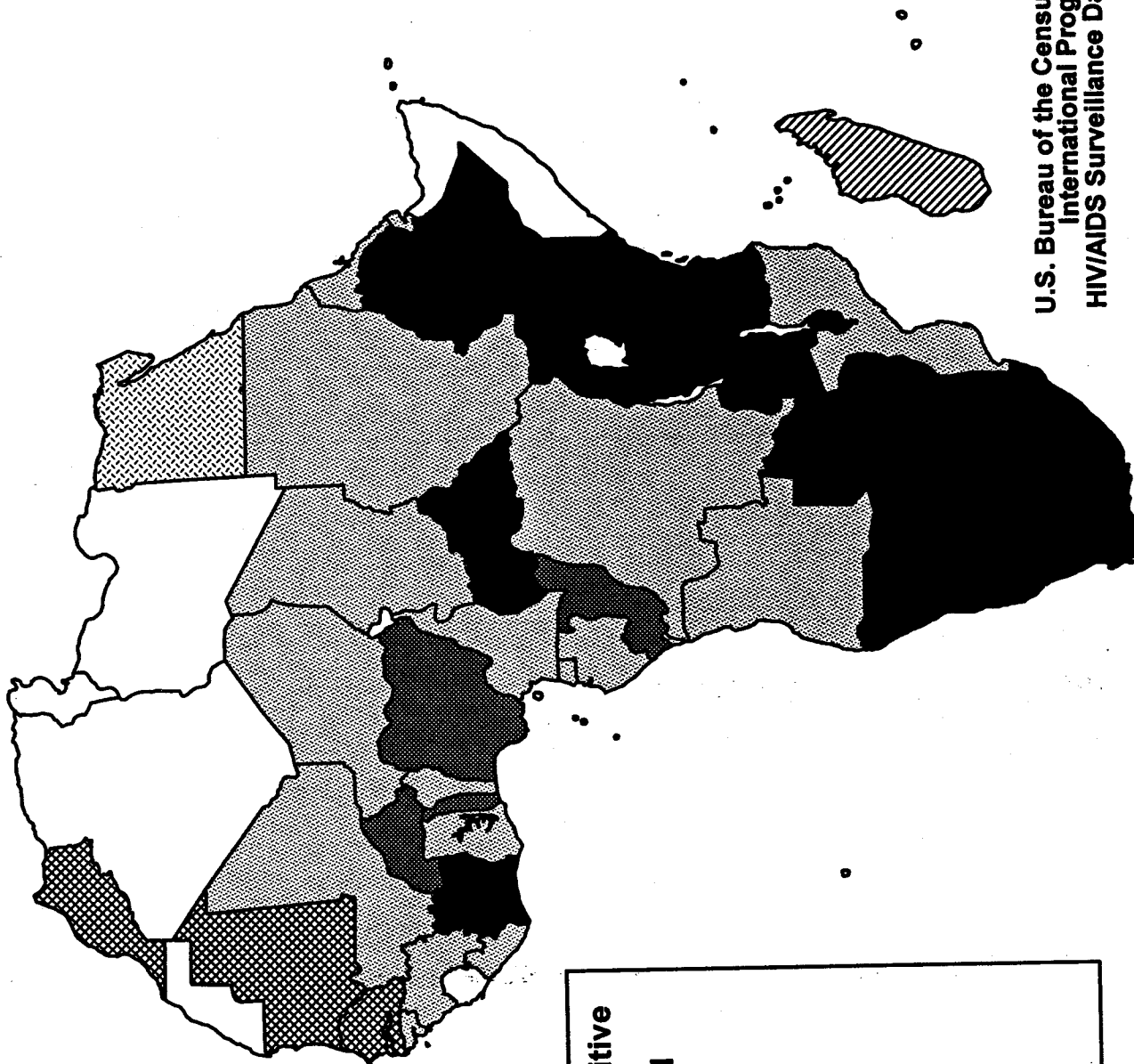
# African HIV-1 Seroprevalence for High-Risk Urban Populations



U.S. Bureau of the Census, Population Division,  
International Programs Center,  
HIV/AIDS Surveillance Data Base, July 1998.

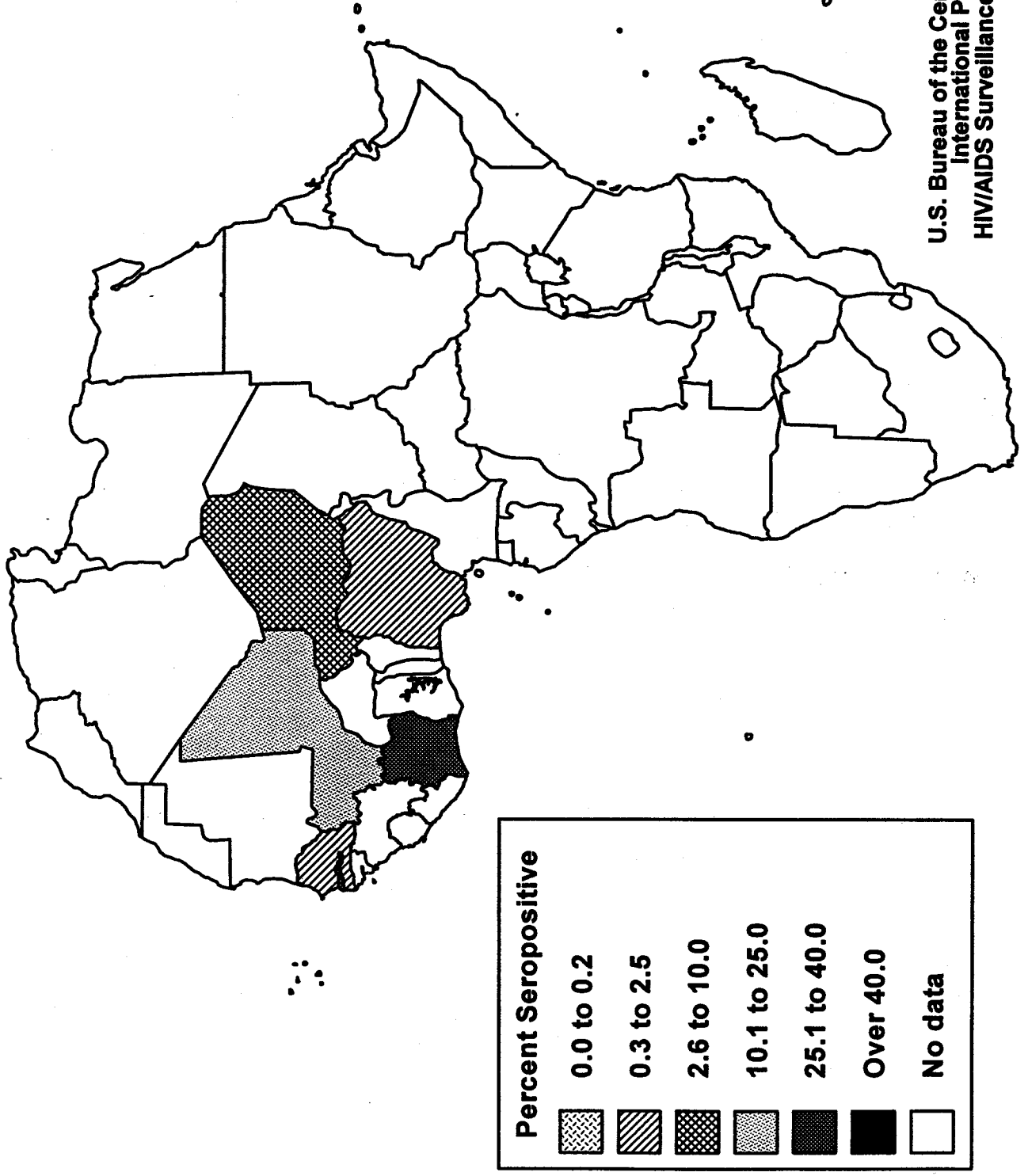


# African HIV-1 Seroprevalence for Low-Risk Urban Populations



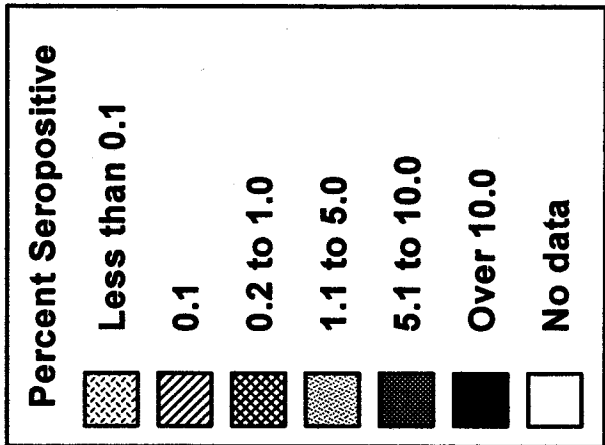
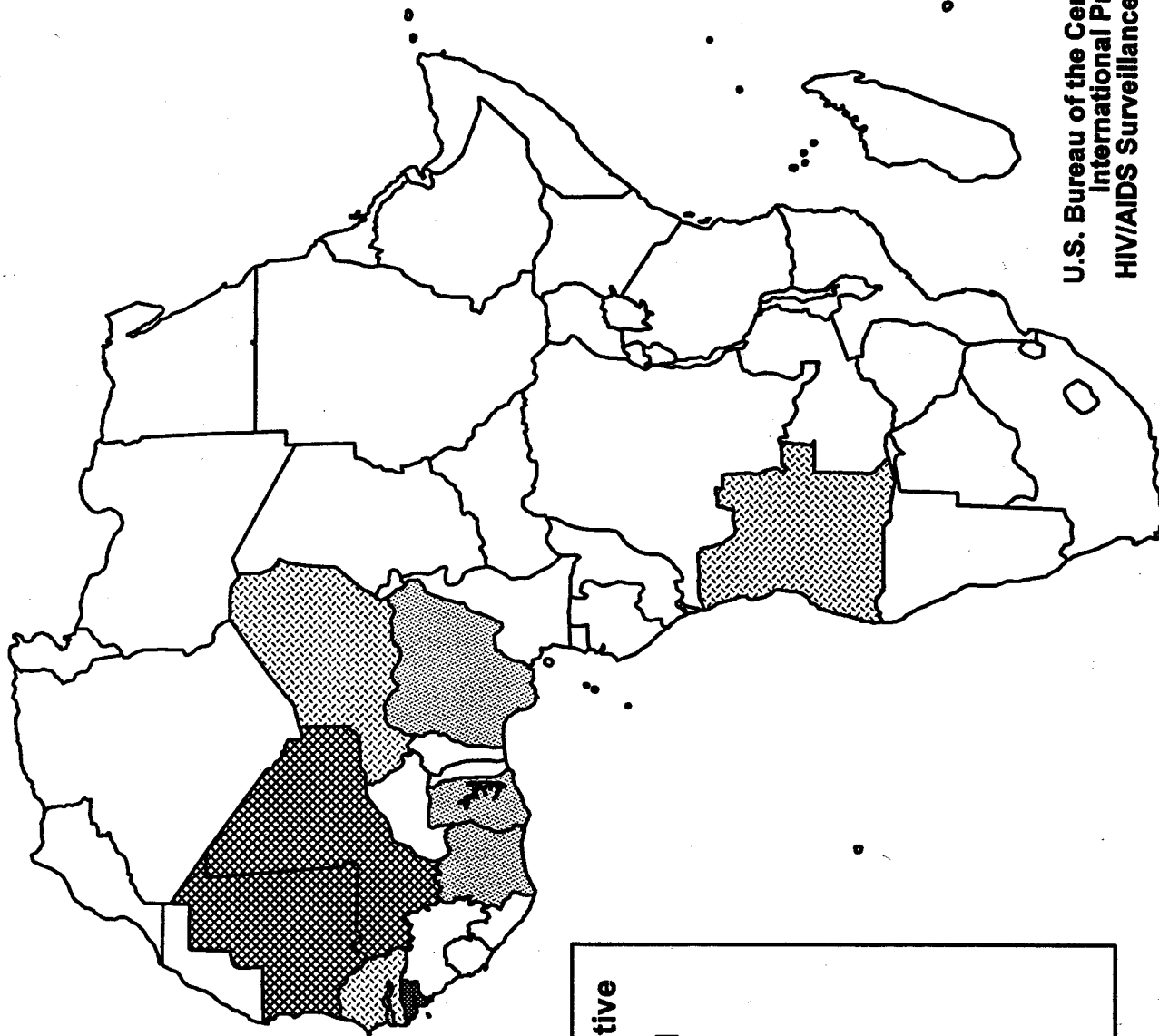
U.S. Bureau of the Census, Population Division, <sup>5</sup>  
International Programs Center,  
HIV/AIDS Surveillance Data Base, July 1998.

# African HIV-2 Seroprevalence for High-Risk Urban Populations

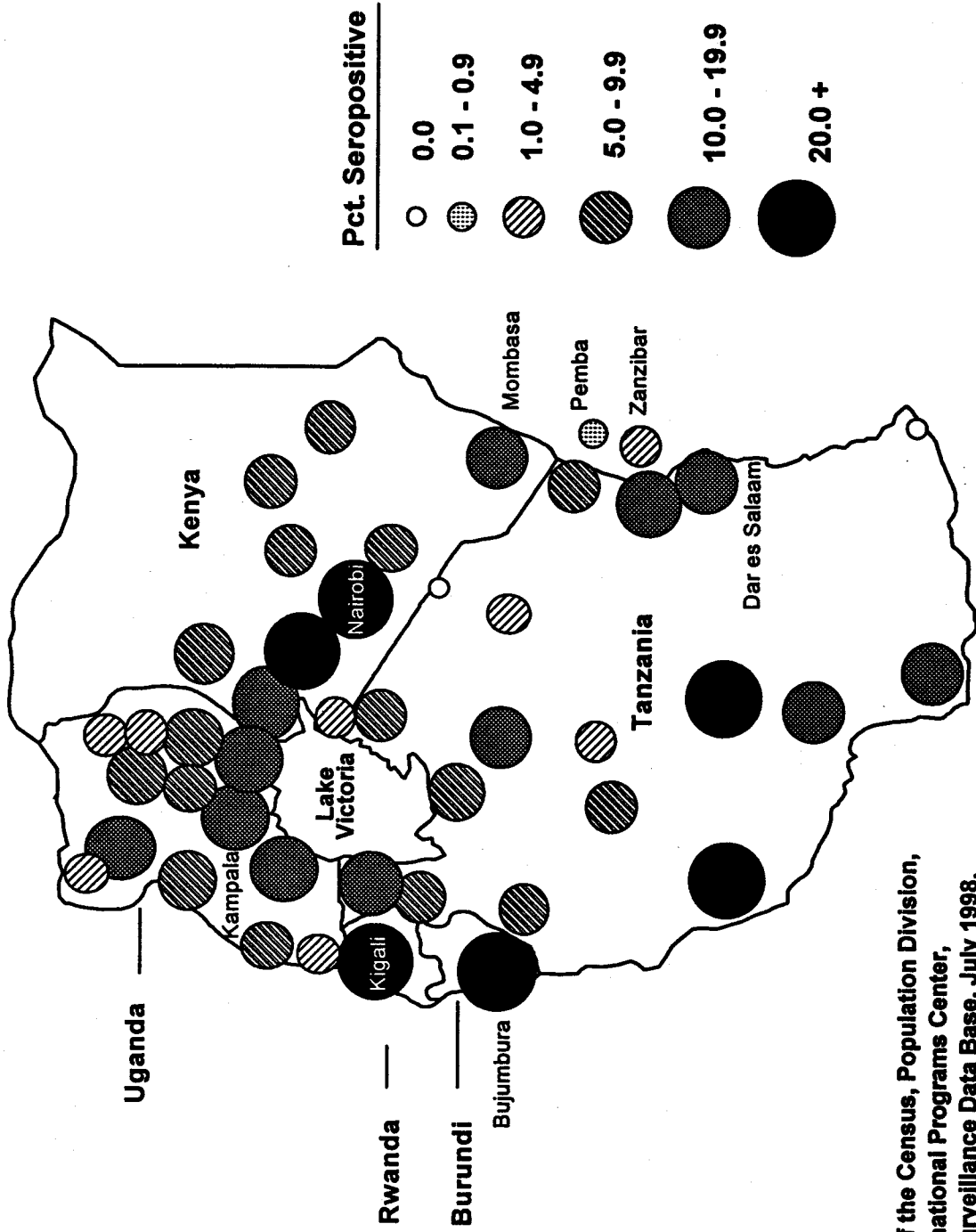


U.S. Bureau of the Census, Population Division, <sup>o</sup>  
International Programs Center,  
HIV/AIDS Surveillance Data Base, July 1998.

# African HIV-2 Seroprevalence for Low-Risk Urban Populations

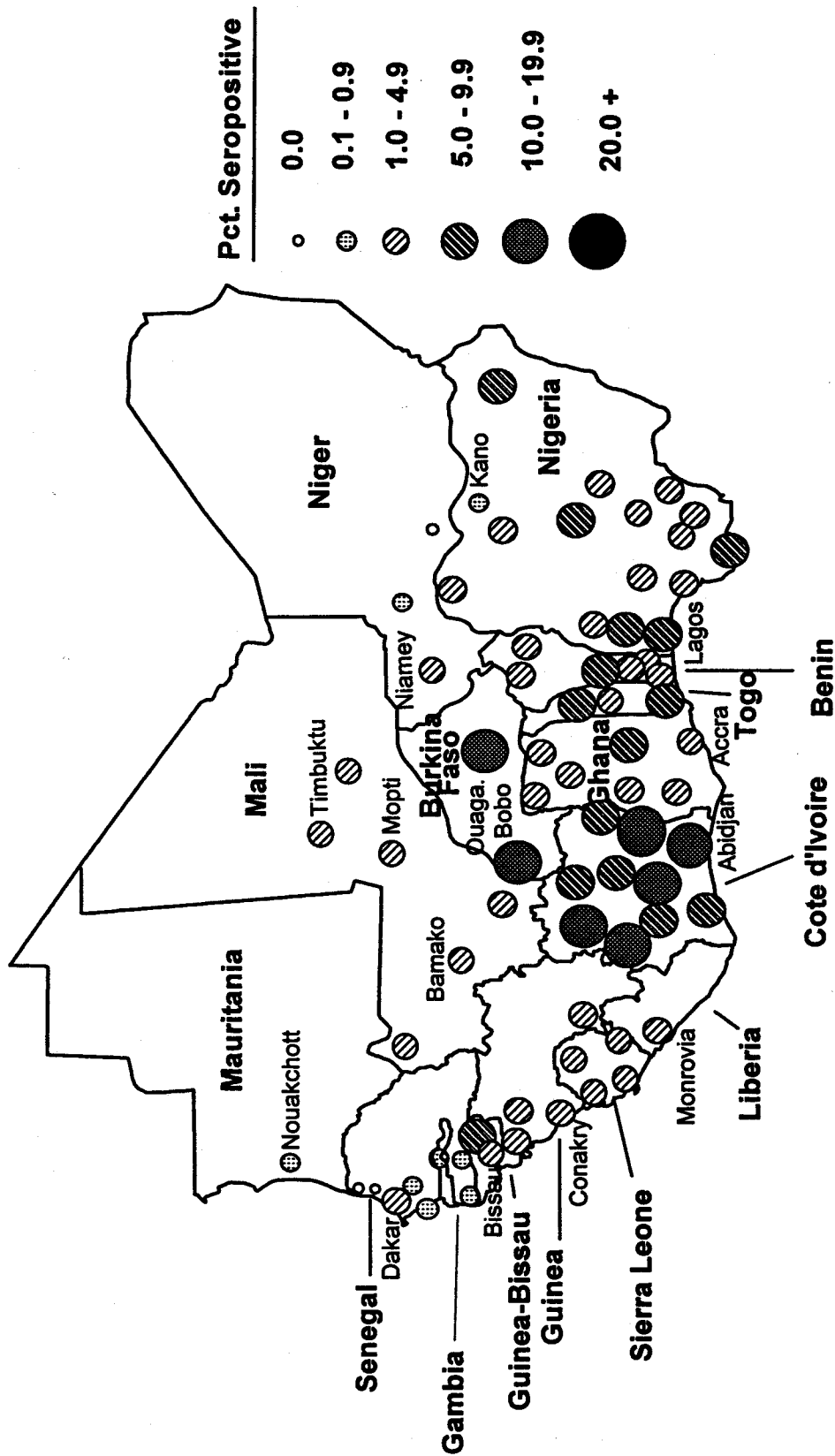


# Seroprevalence of HIV-1 for Low-Risk Populations in East Africa



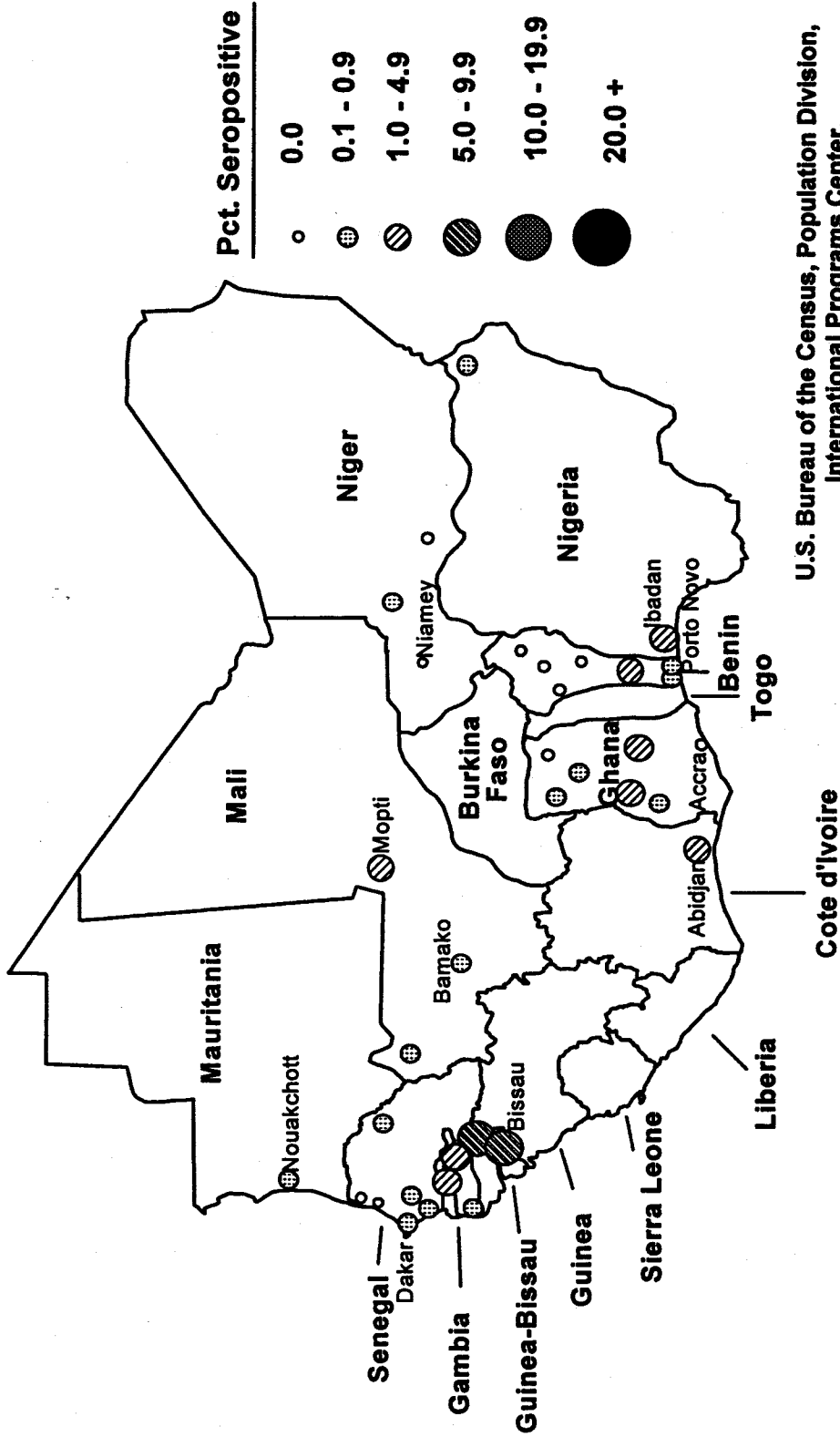
U.S Bureau of the Census, Population Division,  
 International Programs Center,  
 HIV/AIDS Surveillance Data Base, July 1998.

# Seroprevalence of HIV-1 for Low-Risk Populations in West Africa



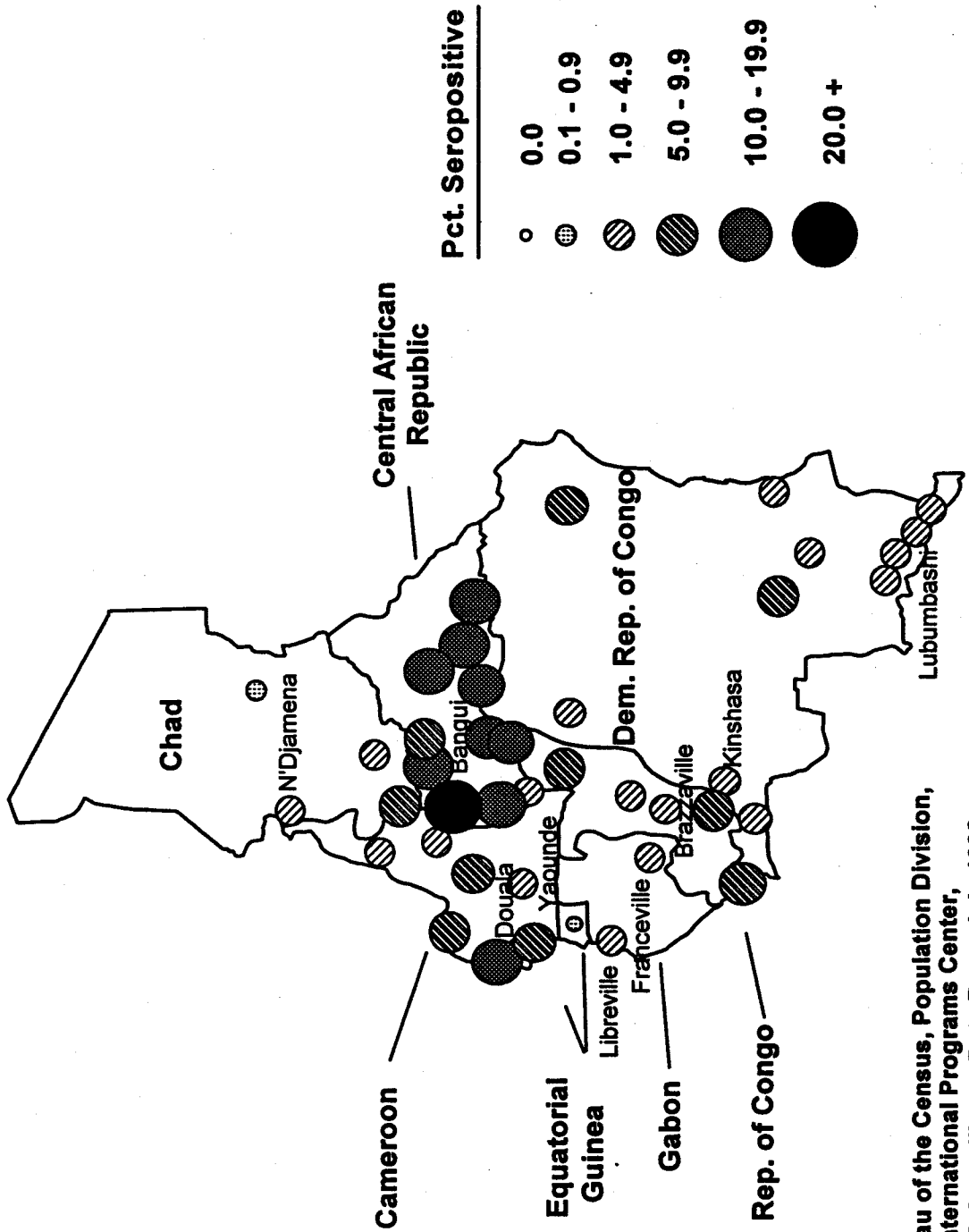
U.S. Bureau of the Census, Population Division,  
International Programs Center,  
HIV/AIDS Surveillance Data Base, July 1998.

# Seroprevalence of HIV-2 for Low-Risk Populations in West Africa



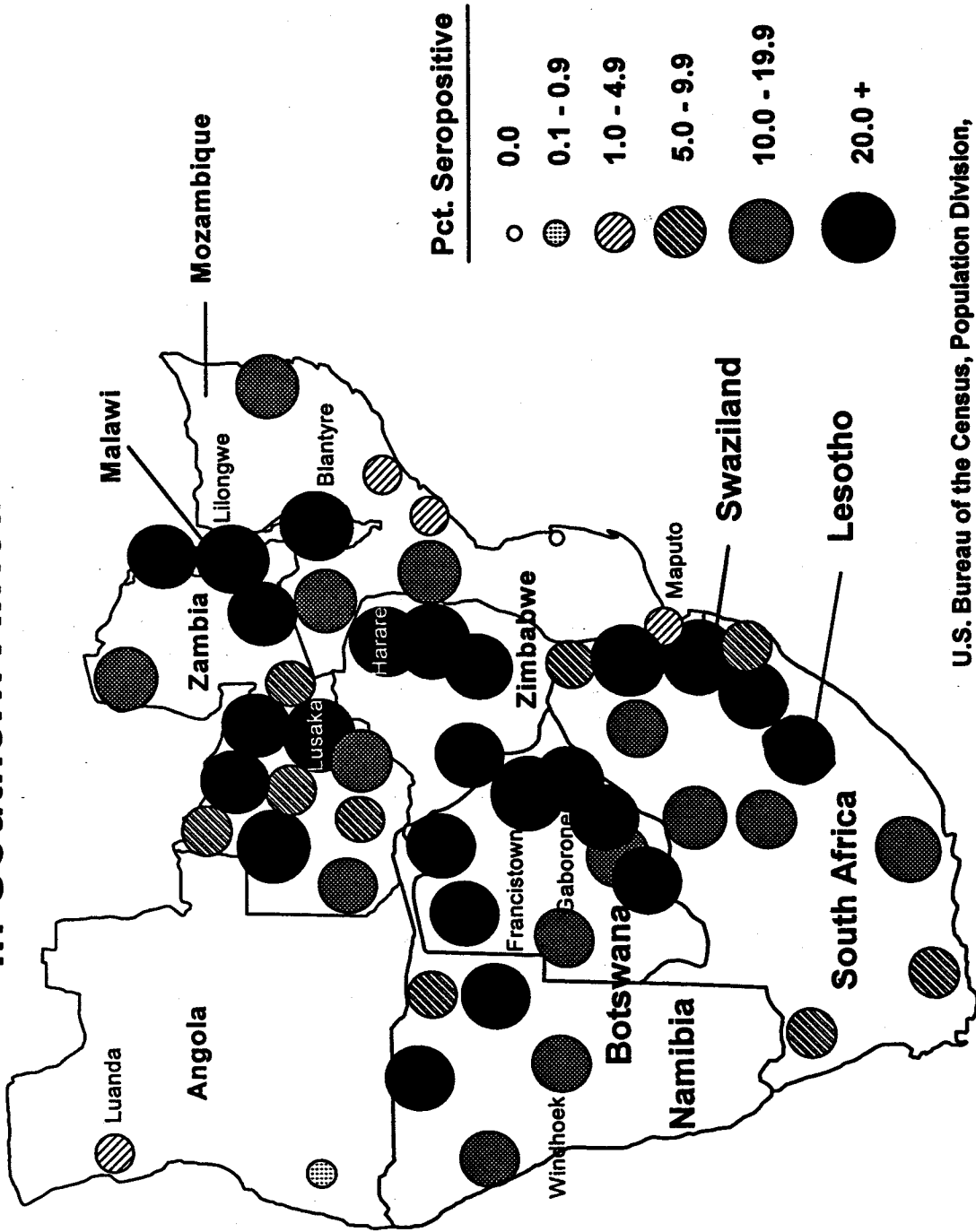
U.S. Bureau of the Census, Population Division,  
International Programs Center,  
HIV/AIDS Surveillance Data Base, July 1998.

# Seroprevalence of HIV-1 for Low-Risk Populations in Central Africa



U.S. Bureau of the Census, Population Division,  
International Programs Center,  
HIV/AIDS Surveillance Data Base, July 1998.

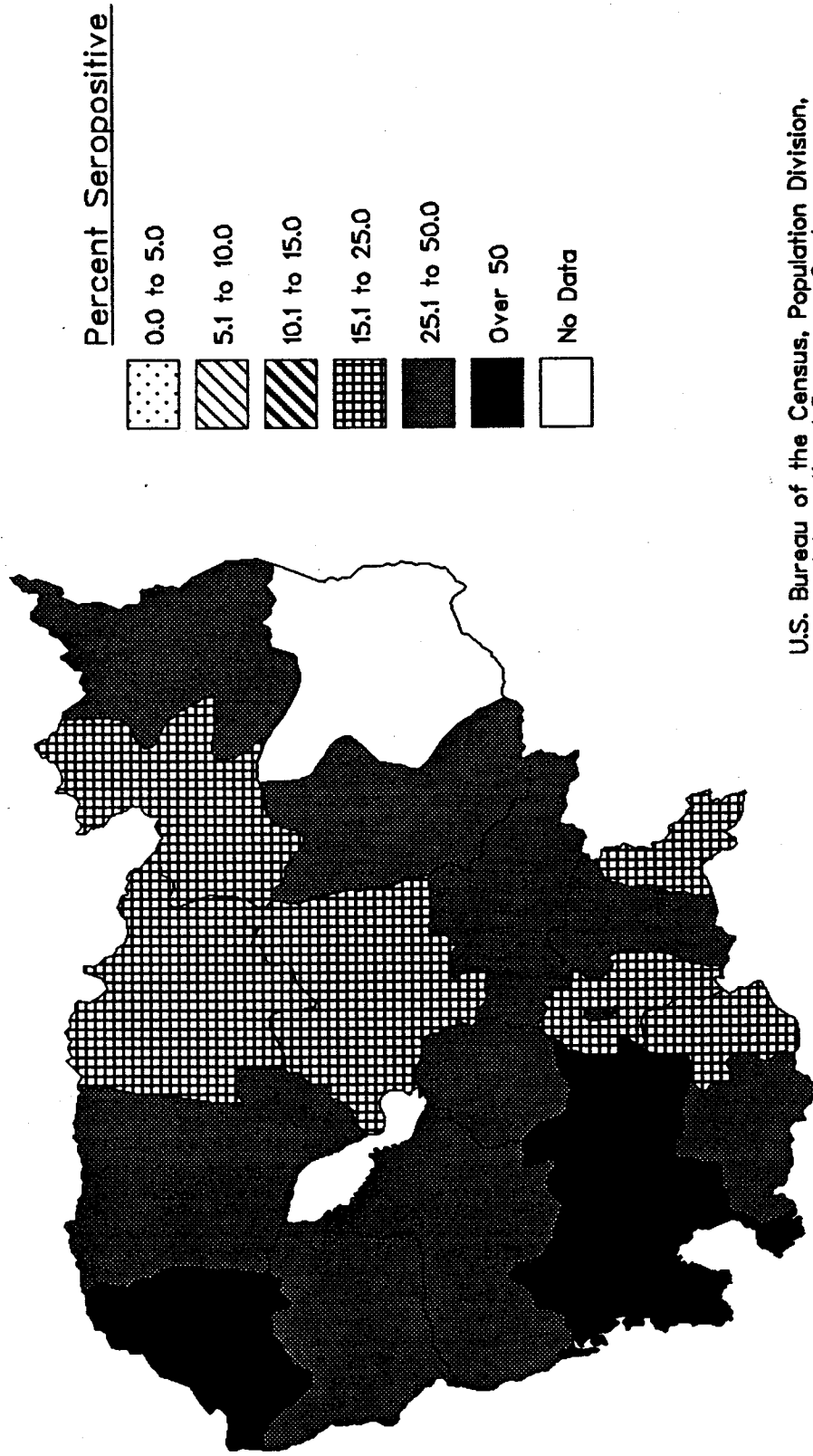
# Seroprevalence of HIV-1 for Low-Risk Populations in Southern Africa



U.S. Bureau of the Census, Population Division,  
International Programs Center,  
HIV/AIDS Surveillance Data Base, July 1998.

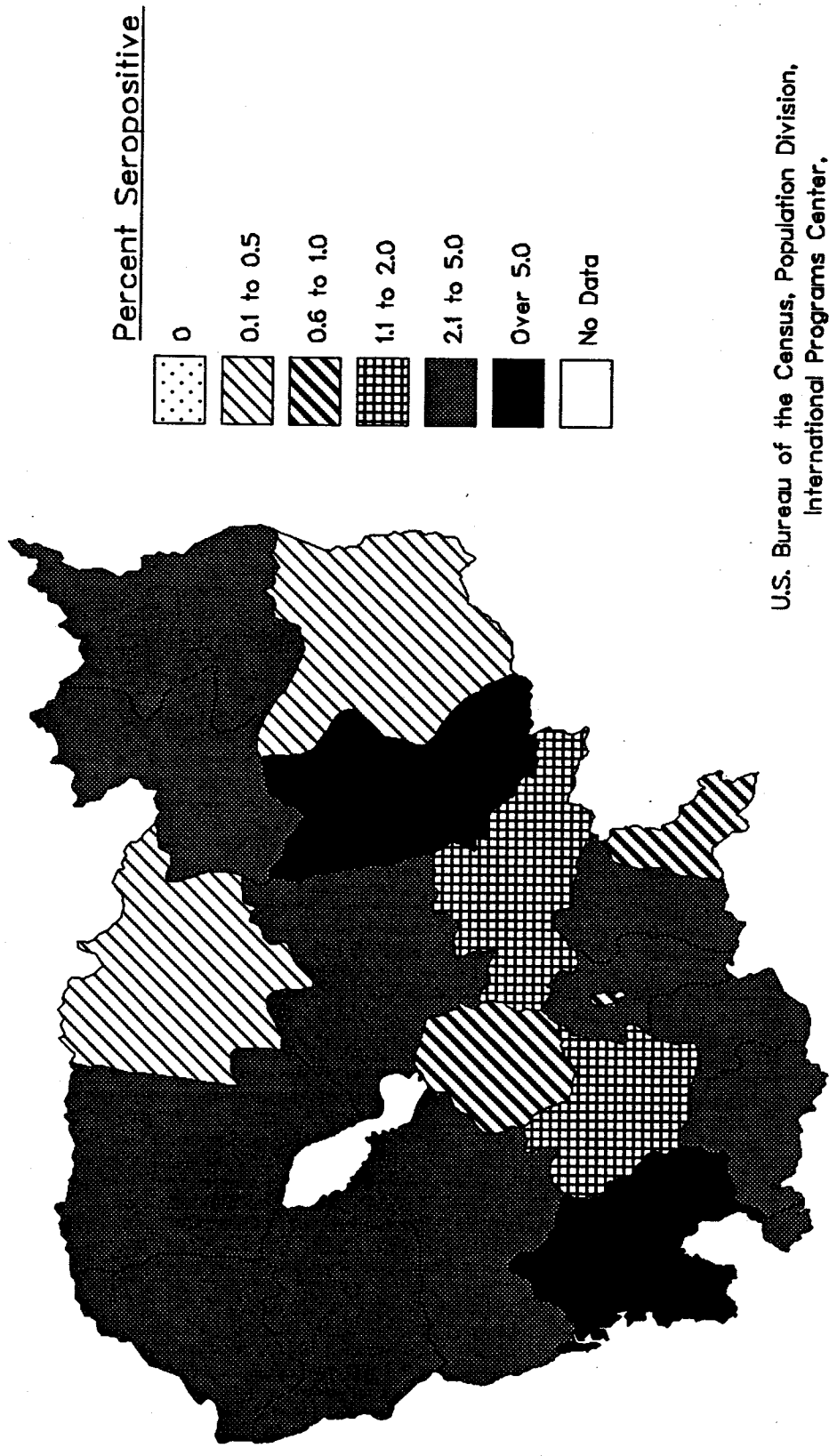


# HIV Seroprevalence among Prostitutes in Cambodia: 1997



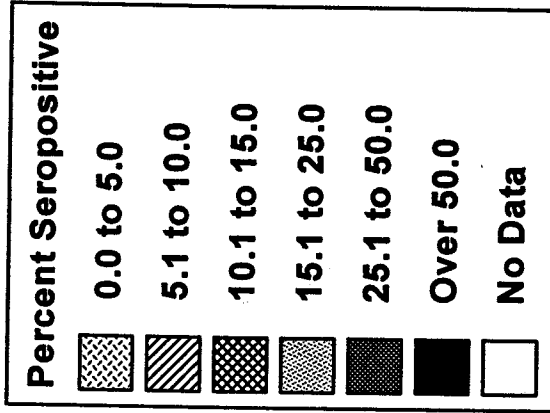
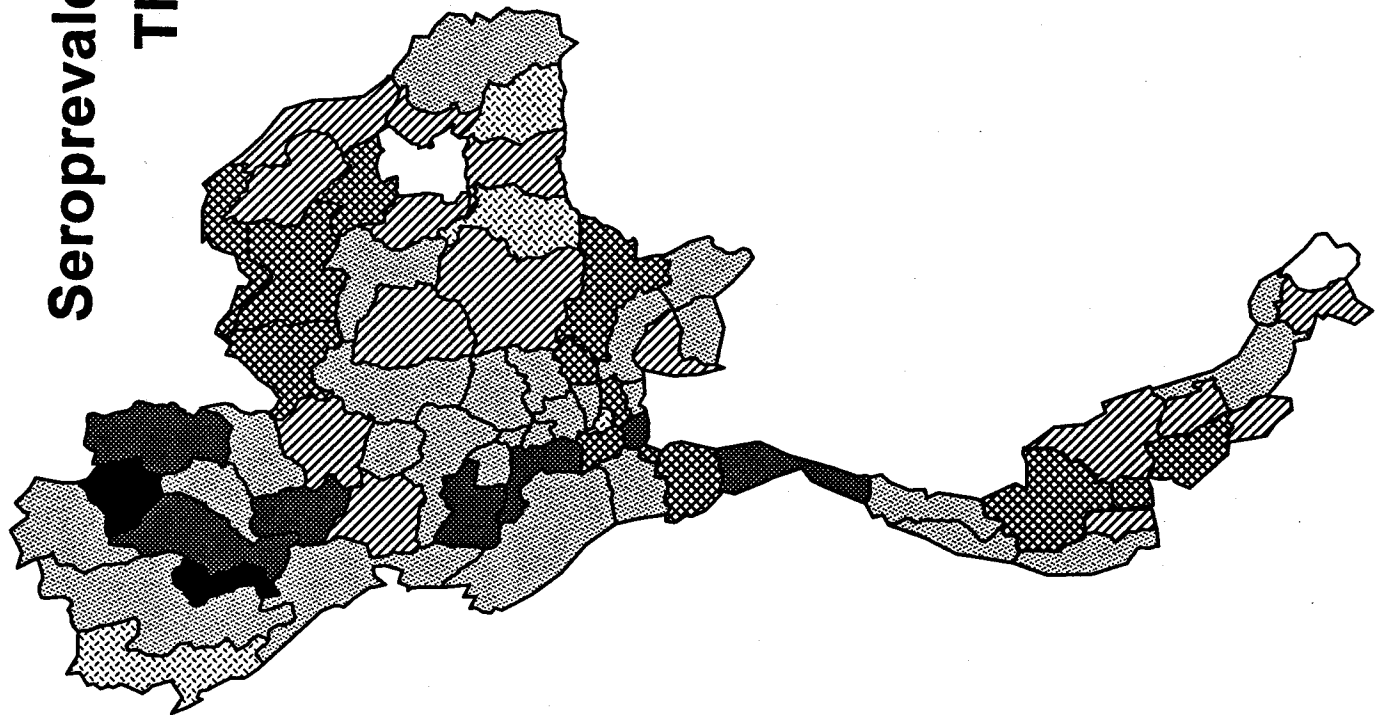
U.S. Bureau of the Census, Population Division,  
International Programs Center,  
HIV/AIDS Surveillance Data Base, July 1998.

# HIV Seroprevalence among Pregnant Women in Cambodia: 1997



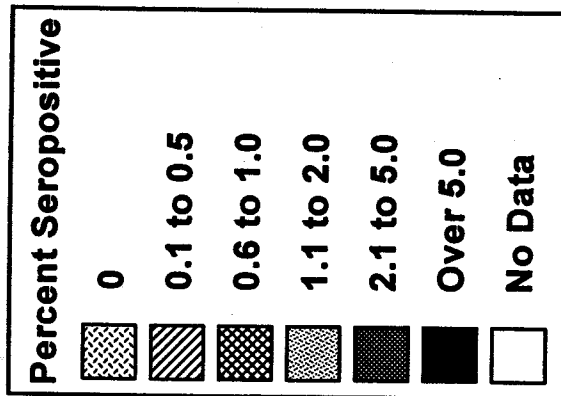
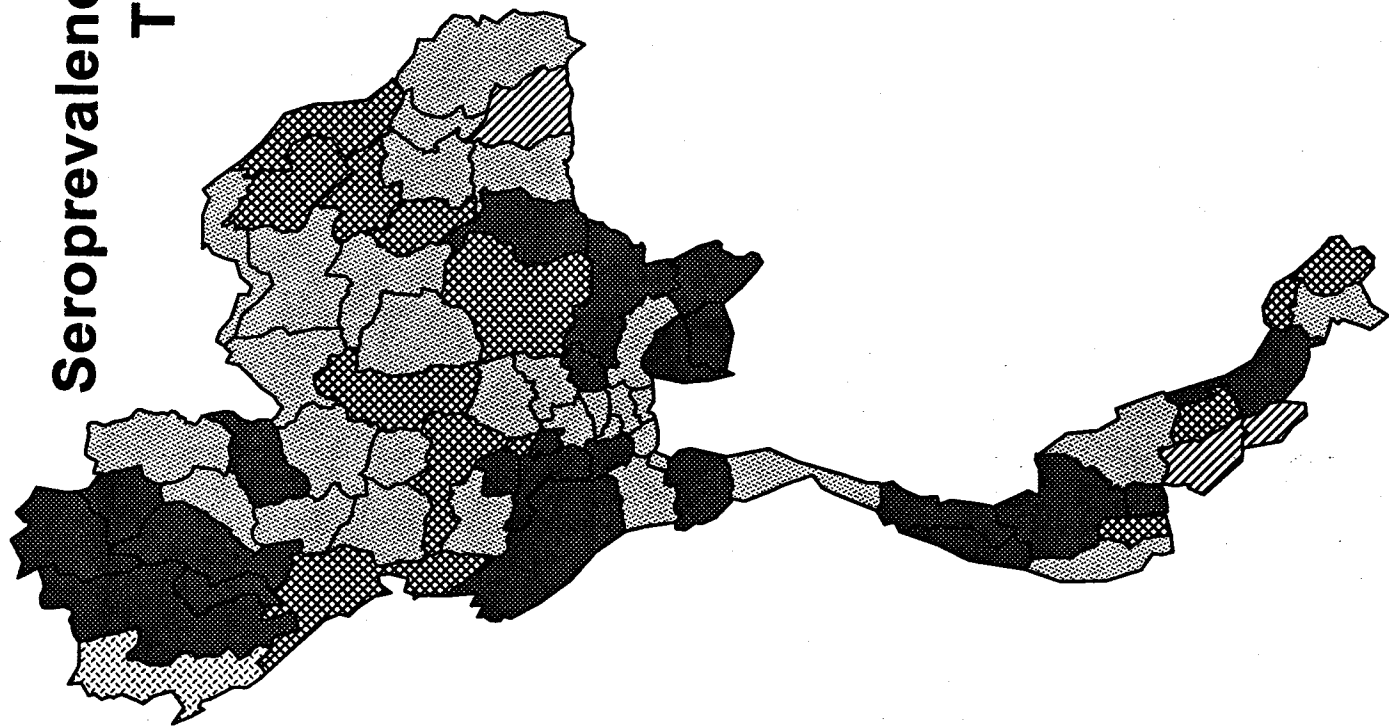
U.S. Bureau of the Census, Population Division,  
International Programs Center,  
HIV/AIDS Surveillance Data Base, July 1998.

# Seroprevalence of HIV-1 for Prostitutes Thailand: June 1997



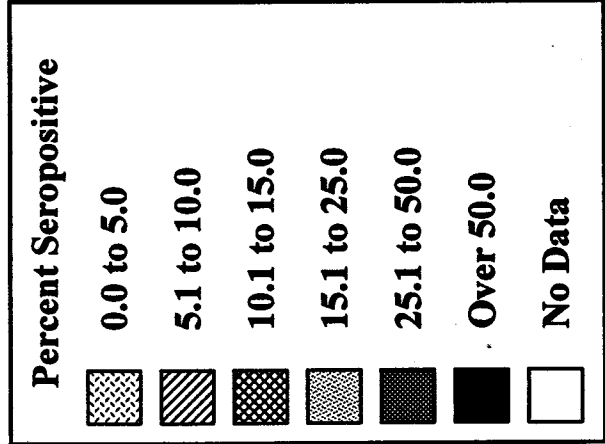
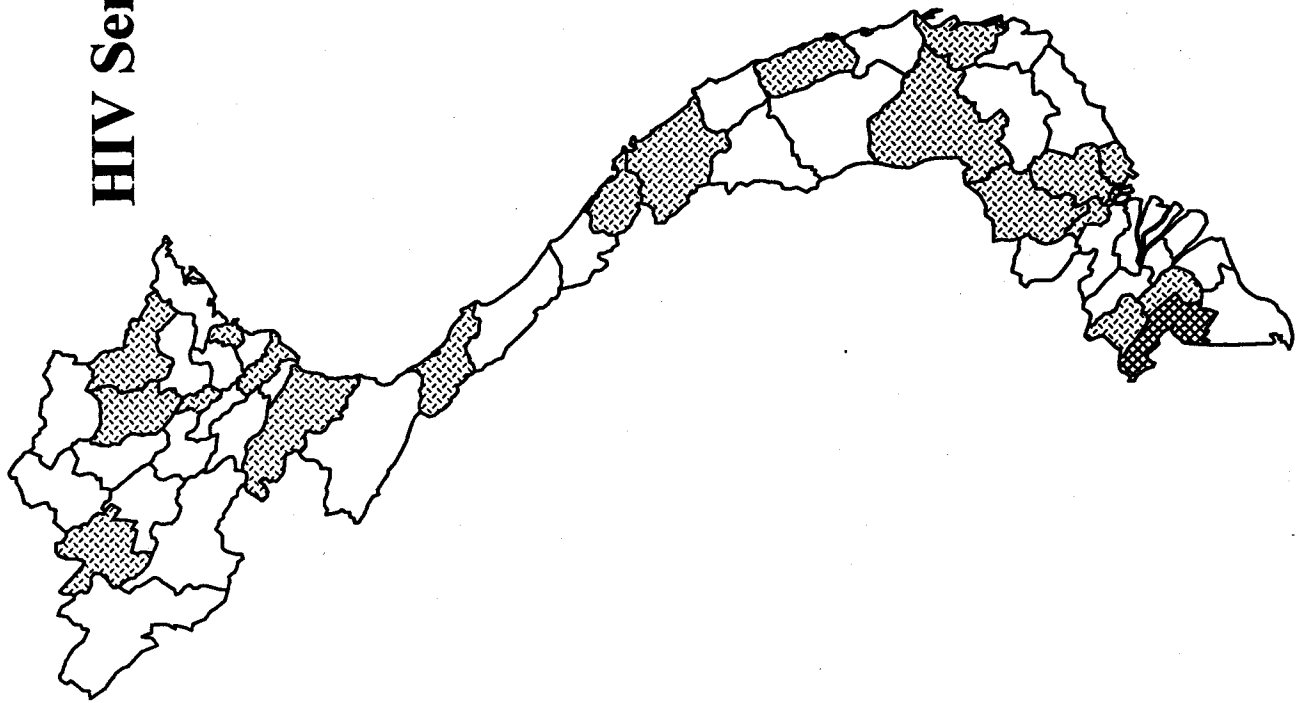
U.S. Bureau of the Census, Population Division,  
International Programs Center,  
HIV/AIDS Surveillance Data Base, July 1998.

# Seroprevalence of HIV-1 for Pregnant Women Thailand: June 1997



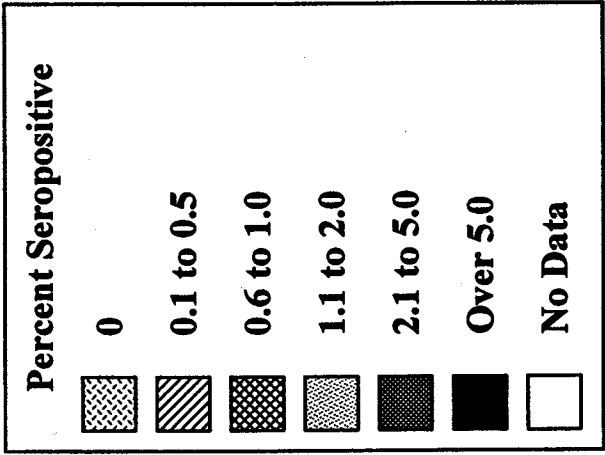
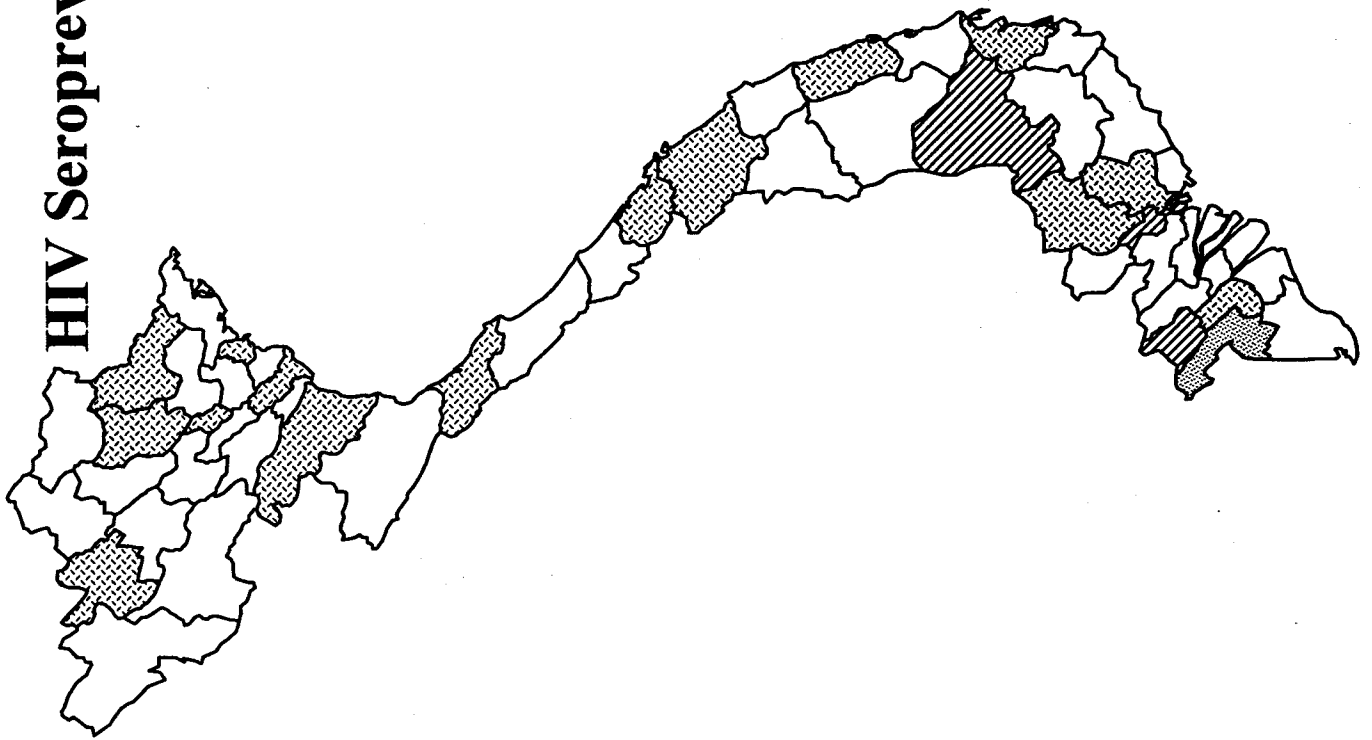
U.S. Bureau of the Census, Population Division,  
International Programs Center,  
HIV/AIDS Surveillance Data Base, July 1998.

# HIV Seroprevalence among Prostitutes Vietnam: 1997



U.S. Bureau of the Census, Population Division,  
International Programs Center,  
HIV/AIDS Surveillance Data Base, July 1998.

# HIV Seroprevalence among Pregnant Women Vietnam: 1997



U.S. Bureau of the Census, Population Division,  
International Programs Center,  
HIV/AIDS Surveillance Data Base, July 1998.

July 1998 Release

## U.S. Bureau of the Census -- HIV/AIDS Surveillance Data Base

Table 1: Estimates of HIV-1 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1997

Region and Country	Capital/Major City		Outside Major City		Urban City Sources		Outside City Sources	
	Low Risk	High Risk	Low Risk	High Risk	Low Risk	High Risk	Low Risk	High Risk
AFRICA								
Algeria	-	-	-	-				
* Angola	1.2	-	.5	-	L0228		A0157	
Benin	1.2	48.9	4.2	58.1 b	A0194	B0339	A0194	B0339
Botswana	42.9	60.0	31.7 c	39.2 c	N0199	N0199	N0199	N0199
Burkina Faso	9.7	60.4	5.7	-	M0543	M0450	B0343	
Burundi	23.2	-	3.4 b	-	D0206		N0210	
* Cameroon	4.5	16.0	6.7	9.0	B0344	K0255	B0344	Z0045
Cape Verde	-	-	-	-				
Central African Rep.	11.7 c	18.3 c	15.3	33.3	M0541	M0541	M0541	M0541
Chad	2.0	13.4	-	-	A0200	A0200		
Comoros	.0	56.8	-	-	T0171	D0227		
Congo	5.8	17.5	4.0	-	P0186	M0502	M0503	
Congo, Dem. Rep.	3.1	29.0 b	6.3	-	M0549	M0549	M0549	
* Cote d'Ivoire	15.9 a	77.0 a	8.1 b	-	A0195	G0174	K0259	
Djibouti	4.0	37.7 c	-	-	D0207	D0207		
Egypt	.0	.3	.0	-	M0498	F0096	M0498	
Equatorial Guinea	1.8	5.7	.3	2.2	M0391	M0391	S0397	S0397
Eritrea	3.0 b	-	-	25.0 b	T0147			T0147
Ethiopia	17.6 bc	43.0 b	12.7 b	-	S0443	S0400	S0443	
Gabon	4.7	16.7 b	1.2	-	M0535	M0535	A0128	
* Gambia, The	1.0	13.6 a	2.4 bc	-	L0247	H0117	L0247	
* Ghana	3.6 a	75.8 a	3.0 a	-	G0198	K0248	G0198	
Guinea	1.5 b	36.6	1.4 b	-	N0215	B0271	N0215	
* Guinea-Bissau	2.6 a	-	3.4	-	N0209		C0265	
Kenya	24.6 b	85.5	10.3	33.6	B0288	M0243	B0288	N0194
Lesotho	31.1 b	35.6	8.7 b	16.2	L0235	M0515	L0235	L0227
Liberia	4.0	5.2 b	-	-	L0214	L0214		
Libya	-	-	-	-				
Madagascar	.1	.3	.1	.3	R0143	R0143	A0179	A0179
Malawi	34.0	70.4	15.9	-	K0239	K0233	K0239	
* Mali	2.5 a	42.1 a	2.2	52.8 c	B0341	K0254	C0207	M0331
* Mauritania	.5 a	.9	-	1.7	A0166	A0166		A0173
Mauritius	-	.8	-	-		P0074		
Mayotte	-	-	-	-				
Morocco	.2	1.4	-	-	R0099	M0470		
* Mozambique	2.7	7.6 b	1.5 a	-	N0195	D0194	C0183	
Namibia	17.6	18.2 b	10.3	-	M0488	E0051	M0488	
* Niger	1.3 a	23.6 a	1.7 a	-	M0394	H0141	O0093	
* Nigeria	6.7 a	30.5 a	2.7	60.6 a	O0089	E0059	E0059	E0059
Reunion	-	-	-	-				
Rwanda	32.7	56.5 b	10.2	11.7 b	N0188	N0188	N0188	N0188
St. Helena	-	-	-	-				
Sao Tome & Principe	-	-	-	-				
* Senegal	.3 a	1.4 a	1 a	14.0 a	M0420	M0420	M0420	M0420
Seychelles	-	1.6 b	-	-		C0266		

July 1998 Release

U.S. Bureau of the Census -- HIV/AIDS Surveillance Data Base

Table 1: Estimates of HIV-1 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1997

Region and Country	Capital/Major City		Outside Major City		Urban City Sources		Outside City Sources	
	Low Risk	High Risk	Low Risk	High Risk	Low Risk	High Risk	Low Risk	High Risk
Sierra Leone	-	26.7	-	-		K0209		
Somalia	-	-	-	-				
South Africa	26.9 b	20.1 c	18.1 b	-	S0433	R0123	S0433	
Sudan	3.0 b	-	-	-	W0122			
Swaziland	26.3 b	35.2	26.5	42.6	S0412	S0412	S0412	S0412
Tanzania	13.7	49.5	16.6 bc	34.3 b	M0473	O0051	T0160	R0090
Togo	8.0	78.9	4.1	7.3 b	B0334	B0020	B0334	M0375
Tunisia	-	-	-	-				
Uganda	14.7 bc	35.1 b	6.9 b	-	U0046	U0039	U0046	
Western Sahara	-	-	-	-				
Zambia	27.3 c	58.0	12.7	36.0	F0093	S0294	F0084	E0052
Zimbabwe	32.0	86.0	46.7	71.8	L0201	M0433	Z0061	Z0061
<b>ASIA AND OCEANIA</b>								
Australia	.3 b	.1 b	-	-	K0245	K0245		
Bangladesh	.0	1.2 b	-	-	C0199	M0480		
Bhutan	.0	.0	-	-	B0313	B0313		
Burma	1.0	31.0	1.5	9.0	G0205	G0205	G0205	G0205
Cambodia	3.2	44.4	3.2	27.3	C0263	C0263	C0263	C0228
China, Hong Kong	.0	.1	-	-	W0112	L0156		
China, Mainland	.0	73.2 b	-	-	F0097	C0221		
		.4				Z0070		
China, Taiwan	.0	.0	-	-	W0097	Y0031		
Cook Islands	.0	-	-	-	W0112			
Fiji	.0	.1	-	-	W0112	O0063		
French Polynesia	.0	3.0	-	-	W0112	O0063		
Guam	.1	-	-	-	W0112			
* India	4.3 b	42.0	.7	12.2 b	S0427	L0244	N0200	S0427
Indonesia	.0	.0	-	-	U0040	U0040		
Iran	.0	.0 c	.0	.0	R0155	E0055	R0155	I0041
Japan	.0	-	-	-	S0405			
Jordan	.0	.0	-	-	E0061	E0061		
Kiribati	.1	-	-	-	O0063			
Korea, South	.8	.0	-	-	W0112	S0301		
Laos	.8	1.2	-	-	M0309	P0122		
Lebanon	.0	.0	-	-	L0254	L0254		
Macau	.0	-	-	-	W0112			
Malaysia	.0	29.5	.1	.9	W0112	S0215	J0058	J0058
Marshall Islands	.0	-	-	-	W0112			
Micronesia, Fedrtd States	.0	-	-	-	W0112			
Mongolia	.0	.0	-	-	W0112	M0340		
Nepal	.0	1.2 b	-	2.0	W0128	B0346		B0346
New Caledonia	.1	-	-	-	W0112			
Pakistan	.6	3.7	-	-	P0144	P0144		
Palau	.0	.0	-	-	W0112	O0063		
Papua New Guinea	.2	1.9	.0	.0 c	M0506	M0506	I0028	I0028
Philippines	.0	.5	-	-	W0112	T0125		



July 1998 Release

U.S. Bureau of the Census -- HIV/AIDS Surveillance Data Base

Table 1: Estimates of HIV-1 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1997

Region and Country	Capital/Major City		Outside Major City		Urban City Sources		Outside City Sources	
	Low Risk	High Risk	Low Risk	High Risk	Low Risk	High Risk	Low Risk	High Risk
Singapore	.0	3.7b	-	-	W0112	G0161		
Solomon Islands	.0	.0	-	-	W0112	O0063		
Sri Lanka	.0	.0	.0	-	W0126	W0126	W0126	
Syria	.0	.1	-	-	E0062	E0062		
Thailand	2.0	15.9c	-	-	T0166	T0166		
Tonga	.0	-	-	-	W0112			
Turkey	.0	-	-	-	Y0022			
Tuvalu	.0 b	-	-	-	W0112			
Vanuatu	.0	-	-	-	W0112			
Vietnam	.2	35.7	.0	5.6	Y0030	Y0030	Y0030	Y0030
		2.8		.0		Y0030		Y0030
Western Samoa	.0	-	-	-	W0112			
<b>LATIN AMERICA/CARIBBEAN</b>								
Argentina	2.8 b	19.4	-	-	N0179	B0030		
Aruba	-	.0b	-	-		D0178		
Bahamas, The	3.6	18.4	-	-	B0179	B0179		
Barbados	1.2 c	-	-	-	B0186			
					B0187			
					B0188			
					B0189			
Belize	2.3	-	-	-	P0142			
Brazil	2.7	13.3	.3	3.5	J0056	S0367	A0165	M0447
British Virgin Islands	2.8 b	-	-	-	B0206			
Cayman Islands	.0	-	-	-	G0123			
Chile	.1	1.3	-	-	P0142	P0142		
Colombia	1.1	3.4	.4	.6	G0184	G0184	G0184	G0184
Costa Rica	.0	.9	-	-	L0223	H0139		
Cuba	.0	.0	-	-	M0484	S0389		
Dominican Rep.	2.0	16.7b	2.3	-	P0157	V0088	P0157	
Ecuador	.3	3.6	-	-	B0300	R0104		
El Salvador	.5	6.0	-	-	D0202	D0202		
Guatemala	.4	1.1	-	.8	C0251	C0251		C0250
Guyana	6.9	25.0	-	-	G0137	C0256		
Haiti	4.8	70.0b	4.0	-	C0268	K0205	A0097	
Honduras	4.1 b	20.5 b	1.4 b	-	M0495	M0495	M0495	
Jamaica	2.0	24.6	-	-	J0059	D0193		
Mexico	.1	.1	-	-	L0238	C0258		
Nicaragua	-	.2	-	-		P0177		
Panama	.8	-	-	-	P0162			
Peru	.5	5.0	-	-	A0188	G0209		
St. Kitts & Nevis	2.0 c	-	-	-	S0227			
					S0241			
					S0242			
St. Lucia	-	1.2 c	-	-		S0217		
						S0218		

July 1998 Release

## U.S. Bureau of the Census -- HIV/AIDS Surveillance Data Base

Table 1: Estimates of HIV-1 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1997

Region and Country	Capital/Major City		Outside Major City		Urban City Sources		Outside City Sources	
	Low Risk	High Risk	Low Risk	High Risk	Low Risk	High Risk	Low Risk	High Risk
						S0220		
						S0221		
St. Vincent & Grenadines	.2	1.4 c	-	-	S0235	S0234		
						S0235		
						S0236		
Trinidad & Tobago	1.0 b	13.5 b	-	-	L0234	T0162		
Uruguay	.1 c	10.7 c	-	-	B0297	B0297		
					B0302	B0302		
		0.3 c				B0297		
						B0302		
Venezuela	.1	6.1 b	-	-	E0024	E0024		

- No Data found

\* See table 2 for HIV-2 data

a Rate represents infection with HIV1 only and dual infection (HIV1 and HIV2), therefore addition of rates from table 1 and 2 is not advised.

b Data are best available but are not necessarily reliable due to small sample size (&lt;100).

c Data combined.

## NOTES:

Definition: High risk--prostitutes and clients, STD patients, or other persons with known risk factors.

Low risk--pregnant women, blood donors, or other persons with no known risk factors.

SOURCE: U.S. Bureau of the Census, HIV/AIDS Surveillance Data Base, 7/98 Update

July 1998 Release

U.S. Bureau of the Census -- HIV/AIDS Surveillance Data Base

Table 2: Estimates of HIV-2 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1997

Region and Country	Capital/Major City		Outside Major City		Urban City Sources		Outside City Sources	
	Low Risk	High Risk	Low Risk	High Risk	Low Risk	High Risk	Low Risk	High Risk
<b>AFRICA</b>								
* Angola	.0	-	.0	-	A0157		A0157	
* Cameroon	-	-	-	.0				Z0045
* Cote d'Ivoire	1.2 a	32.7 a	-	-	A0195	G0174		
* Gambia, The	1.2 a	26.7 a	-	-	O0083	H0117		
* Ghana	1.6 a	-	1.3 a	-	G0198		G0198	
* Guinea-Bissau	5.2 a	-	9.6	-	M0209		C0265	
* Mali	.4 a	10.2 a	.7	-	B0341	K0254	C0207	
* Mauritania	.2 a	-	-	-	A0166			
* Mozambique	-	-	.5 a	-			C0183	
* Niger	.0 a	7.1 a	1.0 a	-	M0394	H0141	O0093	
* Nigeria	1.6 a	1.3 a	-	1.5 a	O0089	E0059		E0059
* Senegal	.0 a	1.4 a	.6 a	25.1 a	M0420	M0420	M0420	M0420
<b>ASIA/OCEANIA</b>								
* India	-	7.0 a	-	-		B0287		

- No Data found

\* See table 1 for HIV-1 data

a Rate represents infection with HIV1 only and dual infection (HIV1 and HIV2), therefore addition of rates from table 1 and 2 is not advised.

b Data are best available but are not necessarily reliable due to small sample size (&lt;100).

c Data combined.

**NOTES:**

Definition: High risk--prostitutes and clients, STD patients, or other persons with known risk factors.

Low risk--pregnant women, blood donors, or other persons with no known risk factors.

SOURCE: U.S. Bureau of the Census, HIV/AIDS Surveillance Data Base, 7/98 Update

July 1998 Release

## U.S. Bureau of the Census -- HIV/AIDS Surveillance Data Base

Table 3: Detailed Listing of Estimates of HIV-1 and 2 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1997

Region/ Country	Risk Geographic Area Area	Year	Sub-population	Sex Age	Prev. Rate	Sample Data Size Type	Test Type	Source ID
<b>*AFRICA</b>								
ANGOLA	UL LUANDA	1995	PREGNANT WOMEN	F ALL	1.2	1000 HIV1	ELISA/RAPID	L0228
	UL2 LUANDA	1995	PREGNANT WOMEN	F ALL	.0	695 HIV2	ELISA,WB	A0157
	OL NAMIBE PROVINCE	1995	PREGNANT WOMEN	F ALL	.5	420 HIV1	ELISA,WB	A0157
	OL2 NAMIBE PROVINCE	1995	PREGNANT WOMEN	F ALL	.0	420 HIV2	ELISA,WB	A0157
BENIN	+UL ATLANTIQUE PR/UR	1997	PREGNANT WOMEN	F ALL	1.2	843 HIV	UNK	A0194
	+UH ATLANTIQUE PR/UR	1995-96	PROSTITUTES	F ALL	48.9	350 HIV1,2	ELISA*3	B0339
	+OL OUEME PR/RURAL	1997	PREGNANT WOMEN	F ALL	4.2	591 HIV	UNK	A0194
	+OH OUEME PR/RURAL	1995-96	PROSTITUTES	F ALL	58.1 b	86 HIV1,2	ELISA*3	B0339
BOTSWANA	UL FRANCISTOWN	1997	PREGNANT WOMEN	F ALL	42.9	802 HIV	UNK	N0199
	UH FRANCISTOWN	1997	STD PTS.	M ALL	60.0	343 HIV	UNK	N0199
	OL FIVE DISTRICTS	1997	PREGNANT WOMEN	F ALL	31.7 c	1305 HIV	UNK	N0199
	OH FOUR DISTRICTS	1997	STD PTS.	M ALL	39.2 c	515 HIV	UNK	N0199
BURKINA FASO	+UL BOBO DIOULASSO	1997(?)	PREGNANT WOMEN	F ALL	9.7	1538 HIV	UNK	M0543
	UH OUAGA. & BOBO	1994	PROSTITUTES/BARWORKER	F ALL	60.4	424 HIV1,2	ELISA,RAPID	M0450
	+OL GAOUA	1994	PREGNANT WOMEN	F ALL	5.7	261 HIV	UNK	B0343
BURUNDI	UL BUJUMBURA	1993	PREGNANT WOMEN	F ALL	23.2	267 HIV	UNK	D0206
	+OL RURAL AREAS	1997	PREGNANT WOMEN	F ALL	3.4 b	N/A HIV	UNK	N0210
CAMEROON	+UL DOUALA	1996	PREGNANT WOMEN	F ALL	4.5	398 HIV	UNK	B0344
	+UH YAOUNDE	1996-97	STD PTS.	B ALL	16.0	200 HIV	ELISA,WB	K0255
	+OL BERTOJA	1996	PREGNANT WOMEN	F ALL	6.7	254 HIV	UNK	B0344
	OH BANKA(SEMIRURAL)	1994	STD PTS.	B ALL	9.0	100 HIV1	ELISA*3,RAPID	Z0045
	OH2 BANKA(SEMIRURAL)	1994	STD PTS.	B ALL	.0	100 HIV2	ELISA*3,RAPID	Z0045
C. AFRICAN REPUBLIC	+UL BANGUI/3 SITES	1996	PREGNANT WOMEN	F ALL	11.7 c	697 HIV	ELISA*2	M0541
	+UH BANGUI/2 SITES	1996	STD PTS.	F ALL	18.3 c	349 HIV	ELISA*2	M0541
	+OL BANGASSOU	1996	PREGNANT WOMEN	F ALL	15.3	261 HIV	ELISA*2	M0541
	+OH BOUZOUM	1996	STD PTS.	B ALL	33.3	150 HIV	ELISA*2	M0541
CHAD	+UL N'DJAMENA	1995	PREGNANT WOMEN	F ALL	2.0	800 HIV	UNK	A0200
	+UH N'DJAMENA	1995	FREE WOMEN	F ALL	13.4	250 HIV	UNK	A0200
COMOROS	+UL MORONI	1996	PREGNANT WOMEN	F ALL	.0	160 HIV	ELISA*2,WB	T0171
	+UH MORONI	1994	PROSTITUTES	F ALL	56.8	111 HIV	UNK	D0227
CONGO	+UL BRAZZAVILLE	1997	PREGNANT WOMEN	F ALL	5.8	155 HIV	UNK	P0186
	UH BRAZZAVILLE	1990	STD PTS.	B ALL	17.5	400 HIV1	ELISA	M0502
	OL OWANDO(SEMRUR)	1993	PREGNANT WOMEN	F ALL	4.0	592 HIV	ELISA	M0503
CONGO, DEM. REP. OF (ZAIRE)	+UL KINSHASA	1997	PREGNANT WOMEN	F ALL	3.1	511 HIV1,2	RAPID,ELISA,IFA	M0549
	+UH KINSHASA	1997	PROSTITUTES	F ALL	29.0 b	N/A HIV1,2	RAPID,ELISA,IFA	M0549
	+OL MBUJI-MAYI	1997	PREGNANT WOMEN	F ALL	6.3	300 HIV1,2	RAPID,ELISA,IFA	M0549

July 1998 Release

U.S. Bureau of the Census -- HIV/AIDS Surveillance Data Base

Table 3: Detailed Listing of Estimates of HIV-1 and 2 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1997

Region/ Country	Risk Geographic Area Area	Year	Sub-population	Sex Age	Prev. Rate	Sample Data Size Type	Test Type	Source ID
COTE D'IVOIRE	+UL ABIDJAN	1996-97	PREGNANT WOMEN	F ALL	15.9 a	552 HIV1	UNK	A0195
	+UL2 ABIDJAN	1996-97	PREGNANT WOMEN	F ALL	1.2 a	552 HIV2	UNK	A0195
	UH ABIDJAN	1992-94	PROSTITUTES	F ALL	77.0 a	1209 HIV1	ELISA,LIA,WB	G0174
	UH2 ABIDJAN	1992-94	PROSTITUTES	F ALL	32.7 a	1209 HIV2	ELISA,LIA,WB	G0174
	+OL DALOA	1997	PREGNANT WOMEN	F ALL	8.1 b	N/A HIV1,2	ELISA*2,WB	K0259
DJIBOUTI	UL DJIBOUTI	1993	PREGNANT WOMEN	F ALL	4.0	352 HIV	UNK	D0207
	UH DJIBOUTI	1993	STREET/BAR PROSTITUTES	F ALL	37.7 c	724 HIV	UNK	D0207
EGYPT	UL CAIRO	1994	PREGNANT WOMEN	F ALL	.0	358 HIV	UNK	M0498
	UH CAIRO	1993	STD CLINIC PTS.	M ALL	.3	300 HIV	UNK	F0092
	OL ASWAN	1993	PREGNANT WOMEN	F ALL	.0	105 HIV	UNK	M0498
EQUATORIAL GUINEA	UL URBAN AREA	1992	PREGNANT WOMEN	F ALL	1.8	613 HIV1,2	ELISA,RAPID	M0391
	UH URBAN AREA	1992	STD PTS.	B ALL	5.7	211 HIV1,2	ELISA,RAPID	M0391
	OL INSULAR REGION	1995	PREGNANT WOMEN	F ALL	.3	761 HIV1	RAPID,ELISA,WB	S0397
	OH INSULAR REGION	1995	STD PTS.	B ALL	2.2	274 HIV1	RAPID,ELISA,WB	S0397
ERITREA	UL NOT SPECIFIED	1994	PREGNANT WOMEN	F ALL	3.0 b	N/A HIV	UNK	T0147
	OH NOT SPECIFIED	1994	PROSTITUTES	F ALL	25.0 b	N/A HIV	UNK	T0147
ETHIOPIA	+UL ADDIS ABABA/2S	1997	PREGNANT WOMEN	F ALL	17.6 bc	N/A HIV	UNK	S0443
	+UH ADDIS ABABA	1992	STD PTS.	B ALL	43.0 b	N/A HIV	UNK	S0400
	OL GAMBELLA	1997	PREGNANT WOMEN	F ALL	12.7 b	N/A HIV	UNK	S0443
GABON	+UL FOUR CITIES	1996-97	PREGNANT WOMEN	F ALL	4.7	129 HIV	UNK	M0535
	+UH FOUR CITIES	1996-97	STD PTS.	B ALL	16.7 b	60 HIV	UNK	M0535
	OL ESTUAIRE PROV.	1993	PREGNANT WOMEN	F ALL	1.2	248 HIV	ELISA,LIA	A0128
THE GAMBIA	+UL BANJUL	1997(?)	PREGNANT WOMEN	F ALL	1.0	210 HIV	UNK	L0247
	UL2 EIGHT SITES	1993-95	PREGNANT WOMEN	F ALL	1.2 a	29670 HIV2	UNK	O0083
	UH THREE TOWNS	1993	PROSTITUTES	F ALL	13.6 a	213 HIV1	UNK	H0117
	UH2 THREE TOWNS	1993	PROSTITUTES	F ALL	26.7 a	213 HIV2	UNK	H0117
	+OL FOUR SITES	1997(?)	PREGNANT WOMEN	F ALL	2.4 bc	N/A HIV	UNK	L0247
GHANA	UL KUMASI	1996	PREGNANT WOMEN	F ALL	3.6 a	500 HIV1	ELISA,RAPID,LIA	G0198
	UL2 KUMASI	1996	PREGNANT WOMEN	F ALL	1.6 a	500 HIV2	ELISA,RAPID,LIA	G0198
	+UH ACCRA	1997	PROSTITUTES	F ALL	75.8	368 HIV1,2	ELISA,RAPID,LIA	K0248
	OL JIRAPA(SEMRUR)	1996	PREGNANT WOMEN	F ALL	3.0 a	230 HIV1	ELISA,RAPID,LIA	G0198
	OL2 JIRAPA(SEMRUR)	1996	PREGNANT WOMEN	F ALL	1.3 a	230 HIV2	ELISA,RAPID,LIA	G0198
GUINEA	+UL CONAKRY	1996	PREGNANT WOMEN	F ALL	1.5 b	N/A HIV1,2	UNK	N0215
	UH CONAKRY	1994	PROSTITUTES	F ALL	36.6	112 HIV	WB	B0271
	+OL GUECKEDOU	1996	PREGNANT WOMEN	F ALL	1.4 b	N/A HIV1	UNK	N0215

July 1998 Release

U.S. Bureau of the Census -- HIV/AIDS Surveillance Data Base

Table 3: Detailed Listing of Estimates of HIV-1 and 2 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1997

Region/ Country	Risk Geographic Area Area	Year	Sub-population	Sex Age	Prev. Rate	Sample Data Size Type	Test Type	Source ID
GUINEA- BISSAU	+UL BISSAU	1997	PREGNANT WOMEN	F ALL	2.6 a	1493 HIV1	ELISA,WB	N0209
	+UL2 BISSAU	1997	PREGNANT WOMEN	F ALL	5.2 a	1493 HIV2	ELISA,WB	N0209
	+OL FOUR RURAL TOWNS	1997(?)	WOMEN	F ALL	3.4	146 HIV1	ELISA*3	C0265
	+OL2 FOUR RURAL TOWNS	1997(?)	WOMEN	F ALL	9.6	146 HIV2	ELISA*3	C0265
KENYA	UL NAIROBI	1995	PREGNANT WOMEN	F ALL	24.6 b	N/A HIV	UNK	B0288
	UH NAIROBI	1992	PROSTITUTES	F ALL	85.5	330 HIV	ELISA*2	M0243
	OL KARURUMO	1995	PREGNANT WOMEN	F ALL	10.3	322 HIV	UNK	B0288
	OH KISUMU	1992	STD PTS.	B ALL	33.6	122 HIV	UNK	N0194
LESOTHO	UL MASERU	1994	PREGNANT WOMEN	F ALL	31.1 b	N/A HIV	UNK	L0235
	UH MASERU	1993-94	STD PTS. W/ GU	B ALL	35.6	104 HIV	ELISA,WB,IFA	M0515
	OL LERIBE DISTRICT	1994	PREGNANT WOMEN	F ALL	8.7 b	N/A HIV	UNK	L0235
	OH LERIBE DISTRICT	1993	STD PTS.	B ALL	16.2	364 HIV	ELISA*2	L0227
LIBERIA	UL MONROVIA	1993	PREGNANT WOMEN	F ALL	4.0	202 HIV	UNK	L0214
	UH MONROVIA	1993	STD PTS.	B ALL	5.2 b	96 HIV	UNK	L0214
MADAGASCAR	UL THREE CITIES	1995	PREGNANT WOMEN	F ALL	.1	1587 HIV	ELISA,WB	R0143
	UH THREE CITIES	1995	STD PTS.	B ALL	.3	1575 HIV	ELISA,WB	R0143
	OL THREE PROVINCE	1996	PREGNANT WOMEN	F ALL	.1	1584 HIV	UNK	A0179
	OH THREE PROVINCE	1996	PROSTITUTES	F ALL	.3	1258 HIV	UNK	A0179
MALAWI	UL BLANTYRE	1996	PREGNANT WOMEN	F ALL	34.0	400 HIV	ELISA	K0239
	UH BLANTYRE	1995	STD CLINIC PTS.	B ALL	70.4	250 HIV	ELISA	K0233
	OL MACHINGA DST/RUR	1996	PREGNANT WOMEN	F ALL	15.9	145 HIV	RAPID,ELISA	K0239
MALI	+UL BAMAKO	1997	PREGNANT WOMEN	F ALL	2.5 a	554 HIV1	RAPID,LIA	B0341
	+UL2 BAMAKO	1997	PREGNANT WOMEN	F ALL	.4 a	554 HIV2	RAPID,LIA	B0341
	+UH BAMAKO	1995	PROSTITUTES	F ALL	42.1 a	176 HIV1	RAPID,ELISA,LIA	K0254
	+UH2 BAMAKO	1995	PROSTITUTES	F ALL	10.2 a	176 HIV2	RAPID,ELISA,LIA	K0254
	OL KAYES	1994	PREGNANT WOMEN	F ALL	2.2	412 HIV1	RAPID	C0207
	OL2 KAYES	1994	PREGNANT WOMEN	F ALL	.7	412 HIV2	RAPID	C0207
	OH FIVE REGIONS	1992	PROSTITUTES	F ALL	52.8 c	178 HIV1,2	LIA,WB	N0331
MAURITANIA	UL NOUAKCHOTT	1993-94	PREGNANT WOMEN	F ALL	.5 a	1106 HIV1	ELISA*2,RAPID	A0166
	UL2 NOUAKCHOTT	1993-94	PREGNANT WOMEN	F ALL	.2 a	1106 HIV2	ELISA*2,RAPID	A0166
	UH NOUAKCHOTT	1993-94	STD PTS.	F ALL	.9	430 HIV	ELISA*2,RAPID	A0166
	OH FOUR CITIES	1996(?)	STD PTS.	B ALL	1.7	628 HIV	ELISA*2	A0173
MOROCCO	UL RABAT	1993(?)	PREGNANT WOMEN	F ALL	.2	671 HIV1	ELISA,WB	R0099
	UH THREE CITIES	1996(?)	STD PTS.	M ALL	1.4	223 HIV	ELISA,WB	M0470
MOZAMBIQUE	UL MAPUTO	1994	PREGNANT WOMEN	F ALL	2.7	260 HIV1,2	ELISA,RAPID	N0195
	UH MAPUTO	1995	STD PTS.	B ALL	7.6 b	N/A HIV	ELISA,RAPID	D0194
	OL ZAMBEZIA PR./RUR	1992-93	DISPL. PREGNANT WOMEN	F ALL	1.5 a	1728 HIV1	ELISA,WB	C0183
	OL2 ZAMBEZIA PR./RUR	1992-93	DISPL. PREGNANT WOMEN	F ALL	.5 a	1728 HIV2	ELISA,WB	C0183

July 1998 Release

U.S. Bureau of the Census -- HIV/AIDS Surveillance Data Base

Table 3: Detailed Listing of Estimates of HIV-1 and 2 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1997

Region/ Country	Risk Geographic Area Area	Year	Sub-population	Sex Age	Prev. Rate	Sample Data Size Type	Test Type	Source ID
NAMIBIA	UL SIX URBAN SITES	1996	PREGNANT WOMEN	F ALL	17.6	1290 HIV	ELISA*2	M0488
	UH WINDHOEK	1993-94	STD PTS.	B ALL	18.2b	N/A HIV	UNK	E0051
	OL FOUR RURAL SITES	1996	PREGNANT WOMEN	F ALL	10.3	565 HIV	ELISA*2	M0488
NIGER	UL NIAMEY	1993	PREGNANT WOMEN	F ALL	1.3a	400 HIV1	ELISA,RAPID	M0394
	UL2 NIAMEY	1993	PREGNANT WOMEN	F ALL	.0a	400 HIV2	ELISA,RAPID	M0394
	+UH NIAMEY	1997(?)	PROSTITUTES	F ALL	23.6a	140 HIV1	ELISA	H0141
	+UH2 NIAMEY	1997(?)	PROSTITUTES	F ALL	7.1a	140 HIV2	ELISA	H0141
	+OL AGADEZ	1997(?)	NOMADS	B ALL	1.7a	424 HIV1	WB	O0093
	+OL2 AGADEZ	1997(?)	NOMADS	B ALL	1.0a	424 HIV2	WB	O0093
	NIGERIA	UL IBADAN	1995	PREGNANT WOMEN	F ALL	6.7a	314 HIV1	ELISA*2,WB
UL2 IBADAN		1995	PREGNANT WOMEN	F ALL	1.6a	314 HIV2	ELISA*2,WB	O0089
+UH LAGOS STATE		1996	PROSTITUTES	F ALL	30.5a	236 HIV1	UNK	E0059
+UH2 LAGOS STATE		1996	PROSTITUTES	F ALL	1.3a	236 HIV2	UNK	E0059
+OL KANO		1996	PREGNANT WOMEN	F ALL	2.7	150 HIV1	UNK	E0059
+OH MAIDUGURI		1996	PROSTITUTES	F ALL	60.6a	137 HIV1	UNK	E0059
+OH2 MAIDUGURI		1996	PROSTITUTES	F ALL	1.5a	137 HIV2	UNK	E0059
RWANDA		UL KIGALI	1996	PREGNANT WOMEN	F ALL	32.7	346 HIV	UNK
	UH KIGALI	1996	STD PTS.	B ALL	56.5b	N/A HIV	UNK	N0188
	OL NYAGATARE	1996	PREGNANT WOMEN	F ALL	10.2	186 HIV	UNK	N0188
	OH RULI(RURAL)	1996	STD PTS.	B ALL	11.7b	N/A HIV	UNK	N0188
SENEGAL	+UL DAKAR REGION	1996	PREGNANT WOMEN	F ALL	.3a	374 HIV1	ELISA,WB	M0420
	+UL2 DAKAR REGION	1996	PREGNANT WOMEN	F ALL	.0a	374 HIV2	ELISA,WB	M0420
	+UH DAKAR REGION	1996	STD PTS.	M ALL	1.4a	221 HIV1	ELISA,WB	M0420
	+UH2 DAKAR REGION	1996	STD PTS.	M ALL	1.4a	221 HIV2	ELISA,WB	M0420
	+OL ZIGUINCHOR REG.	1996	PREGNANT WOMEN	F ALL	.1a	831 HIV1	ELISA,WB	M0420
	+OL2 ZIGUINCHOR REG.	1996	PREGNANT WOMEN	F ALL	.6a	831 HIV2	ELISA,WB	M0420
	+OH ZIGUINCHOR REG.	1996	PROSTITUTES	F ALL	14.0a	179 HIV1	ELISA,WB	M0420
	+OH2 ZIGUINCHOR REG.	1996	PROSTITUTES	F ALL	25.1a	179 HIV2	ELISA,WB	M0420
SEYCHELLES	+UH NOT SPECIFIED	1995	STD PTS.	B ALL	1.6b	N/A HIV	ELISA,WB	C0266
SIERRA LEONE	UH FREETOWN	1995(?)	PROSTITUTES	F ALL	26.7	150 HIV	UNK	K0209
SOUTH AFRICA	+UL NATAL/KWAZULU PR	1997	PREGNANT WOMEN	F ALL	26.9b	N/A HIV	UNK	S0433
	UH JOHANNESBURG	1994	STD PTS.	B ALL	20.1c	4395 HIV	UNK	R0123
	+OL NORTH-WEST PROV.	1997	PREGNANT WOMEN	F ALL	18.1b	N/A HIV	UNK	S0433
SUDAN	UL JUBA	1995	PREGNANT WOMEN	F ALL	3.0b	N/A HIV	UNK	W0122
SWAZILAND	UL HHOHHO REGION	1996	PREGNANT WOMEN	F ALL	26.3	707 HIV	ELISA	S0412
	UH HHOHHO REGION	1996	STD CLINIC PTS.	M ALL	35.2	293 HIV	ELISA	S0412
	OL LUBOMBO REGION	1996	PREGNANT WOMEN	F ALL	26.5	961 HIV	ELISA	S0412
	OH LUBOMBO REGION	1996	STD CLINIC PTS.	M ALL	42.6	460 HIV	ELISA	S0412
TANZANIA	UL DAR ES SALAAM	1995-96	PREGNANT WOMEN	F ALL	13.7	6525 HIV	ELISA,WB	M0473
	UH DAR ES SALAAM	1993(?)	HIGH RISK INDIVIDUALS	F ALL	49.5	925 HIV	ELISA	O0051
	OL MBEYA RG/6 RURAL	1995	PREGNANT WOMEN	F ALL	16.6bc	N/A HIV	UNK	T0160
	OH MBEYA REGION	1992	STD PTS.	B ALL	34.3b	N/A HIV	ELISA*2,WB	R0090

July 1998 Release

U.S. Bureau of the Census -- HIV/AIDS Surveillance Data Base

Table 3: Detailed Listing of Estimates of HIV-1 and 2 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1997

Region/ Country	Risk Geographic Area Area	Year	Sub-population	Sex Age	Prev. Rate	Sample Data Size Type	Test Type	Source ID
TOGO	+UL LOME	1996	PREGNANT WOMEN	F ALL	8.0	704 HIV	ELISA*2,RAPID	B0334
	UH LOME	1992	PROSTITUTES	F ALL	78.9	123 HIV1,2	ELISA	B0020
	+OL SAVANES REGION	1996	PREGNANT WOMEN	F ALL	4.1	512 HIV	ELISA*2,RAPID	B0334
	OH DAPAONG/RURAL	1993	STD PTS.	B ALL	7.3 b	N/A HIV1,2	ELISA,WB	M0375
UGANDA	+UL KAMPALA/2 SITES	1997	PREGNANT WOMEN	F ALL	14.7 bc	N/A HIV	UNK	U0046
	UH KAMPALA	1996	STD CLINIC PTS.	F ALL	35.1 b	N/A HIV	ELISA*2	U0039
	+OL MBALE(SEMIRURAL)	1997	PREGNANT WOMEN	F ALL	6.9 b	N/A HIV	UNK	U0046
ZAMBIA	UL LUSAKA/4 SITES	1994	PREGNANT WOMEN	F ALL	27.3 c	1824 HIV	RAPID*2,ELISA/WB	F0093
	UH LUSAKA	1992-93	STD CLINIC PTS.	F ALL	58.0	329 HIV	ELISA	S0294
	OL RURAL AREAS	1994	PREGNANT WOMEN	F ALL	12.7	6219 HIV	UNK	F0084
	OH MUKINGE DST/RUR	1990	STD CLINIC PTS.	B ALL	36.0	100 HIV1	ELISA	E0052
ZIMBABWE	UL HARARE	1995	PREGNANT WOMEN	F ALL	32.0	2783 HIV	ELISA*2	L0201
	UH HARARE	1994-95	PROSTITUTES	F ALL	86.0	147 HIV	ELISA	M0433
	OL CHIREDDZI	1996	PREGNANT WOMEN	F ALL	46.7	276 HIV	UNK	Z0061
	OH MASVINGO	1996	STD PTS.	B ALL	71.8	206 HIV	UNK	Z0061
*ASIA & OCEANIA								
AUSTRALIA	+UL NOT SPECIFIED	1996	HETEROSEXUALS	F ALL	.3 b	N/A HIV	UNK	K0245
	+UH NOT SPECIFIED	1996	IVDU	M ALL	.1 b	N/A HIV	UNK	K0245
BANGLADESH	UL NATIONAL	1989-95	VARIOUS GROUPS	B ALL	.0	300000 HIV	UNK	C0199
	UH DHAKA	1996(?)	PROSTITUTES	F ALL	1.2 b	87 HIV	RAPID	M0480
BHUTAN	UL 13 DISTRICTS	1993(?)	PREGNANT WOMEN	F ALL	.0	690 HIV	UNK	B0313
	UH 13 DISTRICTS	1993(?)	STD PTS.	B ALL	.0	671 HIV	UNK	B0313
BURMA	+UL MANDALAY	1997	PREGNANT WOMEN	F ALL	1.0	200 HIV	ELISA,WB	G0205
	+UH MANDALAY	1997	PROSTITUTES	F ALL	31.0	100 HIV	ELISA,WB	G0205
	+OL BAHAW	1997	PREGNANT WOMEN	F ALL	1.5	200 HIV	ELISA,WB	G0205
	+OH MAGWAY	1997	STD PTS.	M ALL	9.0	100 HIV	ELISA,WB	G0205
CAMBODIA	+UL 22 PROV./URBAN	1997	PREGNANT WOMEN	F ALL	3.2	2704 HIV	UNK	C0263
	+UH PHNOM PENH	1997	PROSTITUTES	F ALL	44.4	162 HIV	UNK	C0263
	+OL 22 PROV./RURAL	1997	PREGNANT WOMEN	F ALL	3.2	2299 HIV	UNK	C0263
	OH KAMPONG CHAM PR.	1996	PROSTITUTES	F ALL	27.3	154 HIV	RAPID,ELISA	C0228
CHINA, HONG KONG	UL NATIONAL	1994	BLOOD DONORS - VOL.	B ALL	.0	172151 HIV	UNK	W0112
	UH NOT SPECIFIED	1994	STD CLINIC PTS.	B ALL	.1	14496 HIV	UNK	L0156
CHINA, MAINLAND	+UL 16 CITIES	1997(?)	PREGNANT WOMEN	F ALL	.0	8596 HIV	ELISA*2,WB	F0097
	UH RUILI	1995	IVDU	B ALL	73.2 b	N/A HIV	UNK	C0221
	+UH SHANGHAI	1997(?)	PROSTITUTES	F ALL	.4	253 HIV1,2	ELISA	Z0070
CHINA, TAIWAN	UL NOT SPECIFIED	1994	VARIOUS GROUPS	B ALL	.0	8828391 HIV1	ELISA*2,WB	W0097
	+UH TAIPEI & PREF.	1995-96	PROSTITUTES-BROTHEL	F ALL	.0	132 HIV1	ELISA,WB	Y0031
COOK ISLANDS	UL NATIONAL	1994	BLOOD DONORS - VOL.	B ALL	.0	208 HIV	UNK	W0112
FIJI	UL NATIONAL	1994	BLOOD DONORS - VOL.	B ALL	.0	8986 HIV	UNK	W0112
	UH NOT SPECIFIED	1991-93	STD PTS.	B ALL	.1	2749 HIV	UNK	O0063



July 1998 Release

## U.S. Bureau of the Census -- HIV/AIDS Surveillance Data Base

Table 3: Detailed Listing of Estimates of HIV-1 and 2 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1997

Region/ Country	Risk Geographic Area Area	Year	Sub-population	Sex Age	Prev. Rate	Sample Data Size Type	Test Type	Source ID
FRENCH POLYNESIA	UL NATIONAL	1993	BLOOD DONORS - VOL.	B ALL	.0	5169 HIV	UNK	W0112
	UH NOT SPECIFIED	1991	PROSTITUTES	F ALL	3.0	230 HIV	UNK	00063
GUAM	UL NATIONAL	1994	BLOOD DONORS - VOL.	B ALL	.1	1260 HIV	UNK	W0112
INDIA	+UL MUMBAI (BOMBAY)	1997(?)	PREGNANT WOMEN	F 20+	4.3 b	N/A HIV	ELISA*2	S0427
	+UH MUMBAI (BOMBAY)	1997(?)	STD PTS.	M ALL	42.0	275 HIV	UNK	L0244
	UH2 MUMBAI (BOMBAY)	1995	STD PTS.	M ALL	7.0 a	300 HIV2	ELISA,RAPID,WB	B0287
	OL MANIPUR STATE	1996	PREGNANT WOMEN	F ALL	.7	591 HIV	UNK	N0200
	+OH NAGPUR	1997	STD PTS.	B 20+	12.2 b	N/A HIV	ELISA*2	S0427
INDONESIA	UL SEVERAL PROVINCE	1995-96	PREGNANT WOMEN	F ALL	.0	10998 HIV	ELISA/WB	U0040
	UH SEVERAL PROVINCE	1995-96	PROSTITUTES	F ALL	.0	23344 HIV	ELISA/WB	U0040
IRAN	UL TEHRAN	1993	PREGNANT WOMEN	F ALL	.0	334 HIV	ELISA*2	R0155
	UH TEHRAN/2 SITES	1994	STD PTS.	B ALL	.0 c	700 HIV	UNK	E0055
	OL ISFAHAN PROVINCE	1992	PREGNANT WOMEN	F ALL	.0	246 HIV	ELISA*2,WB	R0155
	OH EVIN	1994	PROSTITUTES	F ALL	.0	400 HIV	UNK	I0041
JAPAN	UL SEL. PREFECTURES	1996	PREGNANT WOMEN	F ALL	.0	110481 HIV	UNK	S0405
JORDAN	+UL FOUR SITES	1994	PREGNANT WOMEN	F ALL	.0	961 HIV	UNK	E0061
	+UH FOUR SITES	1994	STD PTS.	B ALL	.0	503 HIV	UNK	E0061
KIRIBATI	UL NOT SPECIFIED	1991-93	BLOOD DONORS	B ALL	.1	1694 HIV	UNK	00063
KOREA, SOUTH	UL NATIONAL	1994	BLOOD DONORS - VOL.	B ALL	.8	1675316 HIV	UNK	W0112
	UH NOT SPECIFIED	1985-94	PROSTITUTES	F ALL	.0	140263 HIV	ELISA,WB	S0301
LAOS	UL VIENTIANE	1993	BLOOD DONORS	B ALL	.8	238 HIV	UNK	M0309
	UH VIENTIANE	1990-93	PROSTITUTES	F ALL	1.2	257 HIV	ELISA,WB	P0122
LEBANON	+UL NOT SPECIFIED	1994	PREG. WOMEN & BLD DON.	B ALL	.0	18248 HIV	UNK	L0254
	+UH NOT SPECIFIED	1994	PROSTITUTES	F ALL	.0	819 HIV	UNK	L0254
MACAU	UL NATIONAL	1994	BLOOD DONORS - VOL.	B ALL	.0	6400 HIV	UNK	W0112
MALAYSIA	UL NATIONAL	1994	BLOOD DONORS - VOL.	B ALL	.0	218578 HIV	UNK	W0112
	UH KOTA BHARU	1992	IVDU	B ALL	29.5	210 HIV	ELISA,WB	S0215
	OL SABAH STATE	1996	PREGNANT WOMEN	F ALL	.1	1502 HIV	UNK	J0058
	OH SABAH STATE	1996	STD PTS.	B ALL	.9	115 HIV	UNK	J0058
MARSHALL ISLANDS	UL NATIONAL	1994	BLOOD DONORS - VOL.	B ALL	.0	386 HIV	UNK	W0112
MICRONESIA, FEDRTD STATES	UL NATIONAL	1994	BLOOD DONORS	B ALL	.0	1188 HIV	UNK	W0112
MONGOLIA	UL NATIONAL	1994	BLOOD DONORS	B ALL	.0	6867 HIV	UNK	W0112
	UH ULAANBAATAR	1987-93	PROSTITUTES	F ALL	.0	439 HIV	UNK	M0340

Table 3: Detailed Listing of Estimates of HIV-1 and 2 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1997

Region/ Country	Risk Geographic Area Area	Year	Sub-population	Sex Age	Prev. Rate	Sample Data Size Type	Test Type	Source ID
NEPAL	UL KATHMANDU	1992	PREGNANT WOMEN	F ALL	.0	346 HIV	UNK	W0128
	+UH KATHMANDU	1995	STD PTS.	B ALL	1.2 <sup>b</sup>	N/A HIV	RAPID,ELISA	B0346
	+OH POKHARA	1997	STD PTS.	B ALL	2.0	300 HIV	RAPID,ELISA	B0346
NEW CALEDONIA	UL NATIONAL	1994	BLOOD DONORS - VOL.	B ALL	.1	6355 HIV	UNK	W0112
PAKISTAN	UL LAHORE	1995	PREGNANT WOMEN	F ALL	.6	2000 HIV	RAPID,ELISA	P0144
	UH LAHORE	1995	STD CLINIC PTS.	B ALL	3.7	295 HIV	RAPID	P0144
PALAU	UL NATIONAL	1994	BLOOD DONORS - VOL.	B ALL	.0	252 HIV	UNK	W0112
	UH NOT SPECIFIED	1991-93	STD PTS.	B ALL	.0	175 HIV	UNK	O0063
PAPUA NEW GUINEA	UL PORT MORESBY	1995	PREGNANT WOMEN	F ALL	.2	3653 HIV	ELISA,RAPID	M0506
	UH PORT MORESBY	1995	STD PTS.	B ALL	1.9	1235 HIV	ELISA,RAPID	M0506
	OL GOROKA	1992	PREGNANT WOMEN	F ALL	.0	761 HIV	ELISA,RAPID,WB	I0028
	OH WEWAK & GOROKA	1992	STD PTS.	B ALL	.0 <sup>c</sup>	700 HIV	ELISA,RAPID,WB	I0028
PHILIPPINES	UL NATIONAL	1994	BLOOD DONORS	B ALL	.0	499511 HIV	UNK	W0112
	UH PASAY CITY	1993	PROSTITUTES	F ALL	.5	1483 HIV	UNK	T0125
SINGAPORE	UL NATIONAL	1994	BLOOD DONORS - VOL.	B ALL	.0	59716 HIV	UNK	W0112
	UH NOT SPECIFIED	1994	PROSTITUTES	F ALL	3.7 <sup>b</sup>	N/A HIV	UNK	G0161
SOLOMON ISLANDS	UL NATIONAL	1994	BLOOD DONORS - VOL.	B ALL	.0	1516 HIV	UNK	W0112
	UH NOT SPECIFIED	1991-93	STD PTS.	B ALL	.0	279 HIV	UNK	O0063
SRI LANKA	UL COLOMBO	1993	PREGNANT WOMEN	F ALL	.0	600 HIV	ELISA	W0126
	UH COLOMBO	1993	PROSTITUTES	F ALL	.0	215 HIV	ELISA	W0126
	OL RATNAPURA	1993	BLOOD DONORS	B ALL	.0	355 HIV	ELISA	W0126
SYRIA	+UL NOT SPECIFIED	1995	BLOOD DONORS	B ALL	.0	33046 HIV	UNK	E0062
	+UH NOT SPECIFIED	1994	IVDU	B ALL	.1	1419 HIV	UNK	E0062
THAILAND	+UL CENTRAL REGION	1997	PREGNANT WOMEN	F ALL	2.0	29834 HIV	UNK	T0166
	+UH CENTRAL REGION	1997	PROSTITUTES	F ALL	15.9 <sup>c</sup>	7370 HIV	UNK	T0166
TONGA	UL NATIONAL	1994	BLOOD DONORS - VOL.	B ALL	.0	1513 HIV	UNK	W0112
TURKEY	UL ISTANBUL	1993-94	BLOOD DONORS	B ALL	.0	14157 HIV1	ELISA*2,WB	Y0022
TUVALU	UL NATIONAL	1994	BLOOD DONORS - VOL.	B ALL	.0 <sup>b</sup>	42 HIV	UNK	W0112
VANUATU	UL NATIONAL	1994	BLOOD DONORS	B ALL	.0	421 HIV	UNK	W0112
VIETNAM	+UL HO CHI MINH	1997	PREGNANT WOMEN	F ALL	.2	3934 HIV	ELISA,WB	Y0030
	+UH HO CHI MINH	1997	IVDU	B ALL	35.7	415 HIV	ELISA,WB	Y0030
	+UH HO CHI MINH	1997	PROSTITUTES	F ALL	2.8	834 HIV	ELISA,WB	Y0030
	+OL DONG NAI PROV.	1997	PREGNANT WOMEN	F ALL	.0	800 HIV	ELISA,WB	Y0030
	+OH VUNG TAU	1997	IVDU	B ALL	5.6	450 HIV	ELISA,WB	Y0030
	+OH THANH HOA PROV.	1997	PROSTITUTES	F ALL	.0	743 HIV	ELISA,WB	Y0030

July 1998 Release

## U.S. Bureau of the Census -- HIV/AIDS Surveillance Data Base

Table 3: Detailed Listing of Estimates of HIV-1 and 2 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1997

Region/ Country	Risk Geographic Area Area	Year	Sub-population	Sex Age	Prev. Rate	Sample Data Size Type	Test Type	Source ID
WESTERN SAMOA	UL NATIONAL	1994	BLOOD DONORS - VOL.	B ALL	.0	1044 HIV	UNK	W0112
*LATIN AMERICA & *CARIBBEAN								
ARGENTINA	UL BUENOS AIRES PR.	1995	PREGNANT WOMEN	F ALL	2.8b	N/A HIV	UNK	N0179
	+UH BUENOS AIRES PR.	1996	STD PTS.	B ALL	19.4	191 HIV	UNK	B0330
ARUBA	UH NOT SPECIFIED	1994	PROSTITUTES	F 18Y	.0b	N/A HIV1,2	ELISA*2	D0178
THE BAHAMAS	UL NOT SPECIFIED	1993	PREGNANT WOMEN	F ALL	3.6	1019 HIV	ELISA	B0179
	UH NOT SPECIFIED	1993	STD PTS.	B ALL	18.4	228 HIV	ELISA	B0179
BARBADOS	UL NOT SPECIFIED	1992	PREGNANT WOMEN	F ALL	1.2c	777 HIV	ELISA	B0186 B0187 B0188 B0189
BELIZE	+UL BELIZE DISTRICT	1995	PREGNANT WOMEN	F ALL	2.3	474 HIV	UNK	P0142
BRAZIL	UL RIO DE JANEIRO	1995	PREGNANT WOMEN	F ALL	2.7	742 HIV	ELISA	J0056
	UH RIO DE JANEIRO	1995	STD CLINIC PTS.	B ALL	13.3	315 HIV1	ELISA*2	S0367
	OL BELO HORIZONTE	1994-95	PREGNANT WOMEN	F ALL	.3	1489 HIV1,2	ELISA,WB	A0165
	OH BELO HORIZONTE	1994	STD CLINIC PTS.	B ALL	3.5	517 HIV	UNK	M0447
BRITISH VIRGIN ISLANDS	UL NOT SPECIFIED	1992	PREGNANT WOMEN	F ALL	2.8b	36 HIV	UNK	B0206
CAYMAN ISLANDS	UL NOT SPECIFIED	1992	PREGNANT WOMEN	F ALL	.0	462 HIV	UNK	G0123
CHILE	UL METROPOLITAN RG.	1994	PREGNANT WOMEN	F ALL	.1	2093 HIV1	ELISA*2,IFA/WB	P0142
	UH METROPOLITAN RG.	1994	STD CLINIC PTS.	B ALL	1.3	385 HIV1	ELISA*2,IFA/WB	P0142
COLOMBIA	UL BARRANQUILLA	1994	PREGNANT WOMEN	F ALL	1.1	1233 HIV1	UNK	G0184
	UH BARRANQUILLA	1994	PROSTITUTES & STD PTS.	B ALL	3.4	119 HIV1	UNK	G0184
	OL PUTAMAYO	1994	PREGNANT WOMEN	F ALL	.4	1947 HIV1	UNK	G0184
	+OH PUTAMAYO	1994	PROSTITUTES	F ALL	.6	470 HIV1	UNK	G0184
COSTA RICA	UL SAN JOSE	1992	PREGNANT WOMEN	F ALL	.0	649 HIV1	ELISA	L0223
	+UH SAN JOSE	1995	PROSTITUTES	F ALL	.9	2296 HIV	UNK	H0139
CUBA	UL NOT SPECIFIED	1996(?)	PREGNANT WOMEN	F ALL	.0	1668237 HIV	ELISA,WB	M0484
	UH NOT SPECIFIED	1993	STD PTS.	B ALL	.0	109545 HIV1	ELISA,WB	S0389
DOMINICAN REPUBLIC	UL SANTO DOMINGO	1995	PREGNANT WOMEN	F ALL	2.0	1000 HIV1	ELISA*3	P0157
	+UH NOT SPECIFIED	1997(?)	STD PTS.	M ALL	16.7b	96 HIV	UNK	V0088
	OL SAN JUAN	1995	PREGNANT WOMEN	F ALL	2.3	300 HIV1	ELISA*3	P0157

July 1998 Release

## U.S. Bureau of the Census -- HIV/AIDS Surveillance Data Base

Table 3: Detailed Listing of Estimates of HIV-1 and 2 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1997

Region/ Country	Risk Geographic Area Area	Year	Sub-population	Sex Age	Prev. Rate	Sample Data Size Type	Test Type	Source ID
ECUADOR	UL GUAYAQUIL	1992	PREGNANT WOMEN	F ALL	.3	390 HIV1	ELISA,WB	B0300
	UH GUAYAQUIL	1993	STD PTS.	B ALL	3.6	1395 HIV1	ELISA,WB	R0104
EL SALVADOR	UL NOT SPECIFIED	1996	WOMEN	F ALL	.5	2195 HIV	ELISA	D0202
	UH NOT SPECIFIED	1995-96	STD CLINIC PTS.	B ALL	6.0	531 HIV	ELISA	D0202
GUATEMALA	UL GUATEMALA CITY	1996	BLOOD DONORS	B ALL	.4	845 HIV	ELISA,WB	C0251
	UH GUATEMALA CITY	1996	PROSTITUTES	F ALL	1.1	283 HIV	ELISA*2	C0251
	OH JUTIAPA DIVISION	1994	PROSTITUTES	F ALL	.8	131 HIV	RAPID,ELISA	C0250
GUYANA	UL NOT SPECIFIED	1992	PREGNANT WOMEN	F ALL	6.9	145 HIV	ELISA	G0137
	+UH GEORGETOWN	1993	PROSTITUTES	F ALL	25.0	108 HIV	ELISA,IFA	C0256
HAITI	+UL URBAN SITES	1996	PREGNANT WOMEN	F ALL	4.8	273 HIV	ELISA*2,WB	C0268
	UH NOT SPECIFIED	1990	PROSTITUTES	F ALL	70.0 b	N/A HIV	UNK	K0205
	OL NORTH RURAL AREA	1990	PREGNANT WOMEN	F ALL	4.0	500 HIV	WB	A0097
HONDURAS	UL SAN PEDRO SULA	1995	PREGNANT WOMEN	F ALL	4.1 b	N/A HIV	UNK	M0495
	UH SAN PEDRO SULA	1995	PROSTITUTES	F ALL	20.5 b	N/A HIV	UNK	M0495
	OL TELA	1994	PREGNANT WOMEN	F ALL	1.4 b	N/A HIV	UNK	M0495
JAMAICA	UL FIVE PARISHES	1996	PREGNANT WOMEN	F ALL	2.0	661 HIV	UNK	J0059
	UH MONTEGO BAY	1994-95	PROSTITUTES	F ALL	24.6	310 HIV	UNK	D0193
MEXICO	+UL MEXICO CITY	1997	PREGNANT WOMEN	F ALL	.1	3849 HIV	UNK	L0238
	+UH NOT SPECIFIED	1990-96	PROSTITUTES	F ALL	.1	1627 HIV	RAPID,WB	C0258
NICARAGUA	+UH NOT SPECIFIED	1997	PROSTITUTES	F ALL	.2	420 HIV	ELISA*3,WB	P0177
PANAMA	UL METROPOLITANA R	1993	NEW MOTHERS	F ALL	.8	802 HIV	UNK	P0162
PERU	+UL LIMA	1996-97	PREGNANT WOMEN	F ALL	.5	12436 HIV	ELISA,WB	A0188
	+UH LIMA	1995-96	PROSTITUTES - UNREG.	F ALL	5.0	311 HIV	UNK	G0209
ST. KITTS/ NEVIS	UL NOT SPECIFIED	1992	PREGNANT WOMEN	F ALL	2.0 c	152 HIV	ELISA	S0227 S0241 S0242
ST. LUCIA	UH NOT SPECIFIED	1992	STD PTS.	B ALL	1.2 c	2219 HIV	ELISA	S0217 S0218 S0220 S0221
ST. VINCENT & THE GRENADINES	UL NOT SPECIFIED	1992	PREGNANT WOMEN	F ALL	.2	429 HIV	ELISA	S0235
	UH NOT SPECIFIED	1992	STD PTS.	B ALL	1.4 c	1443 HIV	ELISA	S0234 S0235 S0236
TRINIDAD & TOBAGO	UL NOT SPECIFIED	1995/96	PREGNANT WOMEN	F ALL	1.0 b	N/A HIV	ELISA	L0234
	UH PORT OF SPAIN	1993-95	STD CLINIC PTS.	M ALL	13.5 b	N/A HIV1	WB	T0162

July 1998 Release

## U.S. Bureau of the Census -- HIV/AIDS Surveillance Data Base

Table 3: Detailed Listing of Estimates of HIV-1 and 2 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1997

Region/ Country	Risk Geographic Area Area	Year	Sub-population	Sex Age	Prev. Rate	Sample Data Size Type	Test Type	Source ID
URUGUAY	UL MONTEVIDEO	1996	BLOOD DONORS	B ALL	.1c	34691 HIV1,2	ELISA, IFA/WB	B0297
	UH MONTEVIDEO	1996	IVDU	B ALL	10.7c	216 HIV1,2	ELISA, IFA/WB	B0302
	UH MONTEVIDEO	1996	PROSTITUTES	F ALL	.3c	1323 HIV1,2	ELISA, IFA/WB	B0297 B0302
VENEZUELA	UL NOT SPECIFIED	1992(?)	BLOOD DONORS	B ALL	.1	1589 HIV1	ELISA, WB	E0024
	UH NOT SPECIFIED	1992(?)	PROSTITUTES	F ALL	6.1b	99 HIV1	ELISA, WB	E0024

a Rate represents co-infection with HIV1 and HIV2 and should not therefore be combined with other figures.

b Data are best available but are not necessarily reliable due to small sample size (<100).

c Data combined.

+ Data changed and/or added.

## Risk Area Codes:

UL -- Urban low risk

UH -- Urban high risk

OL -- Outside city low risk

OH -- Outside city high risk

2 -- Data for HIV2

SOURCE: U.S. Bureau of the Census, HIV/AIDS Surveillance Data Base, 7/98 Update

## REFERENCE

- Source ID
- A0097 Allain, J. P., W. Hodges, M. H. Einstein, et al., 1992, Antibody to HIV-1, HTLV-1, and HCV in Three Populations of Rural Haitians, *Journal of Acquired Immune Deficiency Syndromes*, vol. 5, no. 12, pp. 1230-1236.
- A0128 Amblard, M., M. Peeters, E. Roggen, et al., 1993, Seroprevalence de la Syphilis, d'Haemophilus Duceyri et du VIH chez des Femmes Vivants en Zone Urbaine et Rurale au Gabon, VIII International Conference on AIDS in Africa, Marrakech, Morocco, 12/12-16, Session W.O.P.039.
- A0157 Anderson, S., L. F. Dias, L. Cambelela, et al., 1995, HTLV Seroprevalence in Various Population Groups in Angola, IX International Conference on AIDS and STD in Africa, Kampala, Uganda, 12/10-14, Session MoC017.
- A0165 Andrade, C. A., E. S. Soares, M. V. Lima-Martins, et al., 1996, Seroprevalence of HIV-1 and HTLV-I/II in Labour Women and Their Neonates in a Government Maternity in Belo Horizonte, Brazil, XI International Conference on AIDS, Vancouver, 7/7-14, Poster Pub.C.1129.
- A0166 Abbas, M. H., Phillipon, Tandia, et al., 1996, Prevalence of Sexually Transmitted Infections among Patients with Genital Discharge and Pregnant Women in Mauritania, XI International Conference on AIDS, Vancouver, 7/7-14, Poster, Mo.C.1632.
- A0173 Abbas, M. E. H., 1996, Analyses Situationnelles Sur le SIDA en Republique Islamique de Mauritanie, Programme National de Lutte Contre les MST et le SIDA, Mauritania, fevrier, report.
- A0179 Andriambao, D., 1995, Le SIDA a Madagascar: Epidemiologie Projections Impact Socio-Economique - Interventions, Le Laboratoire National de Reference MST/SIDA, Programme National de Lutte Contre les MST/SIDA, Ministere de la Sante et de la Population, novembre report.
- A0188 Alarcon, J., C. Rodriguez, K. Johnson, et al., 1997, Determinants and Prevalence of HIV and Syphilis in Pregnant Women in Lima, Peru, V Pan-American Conference on AIDS and XI Latin American Congress on STD, Lima, Peru, 12/3-6, Abstract P033.
- A0194 Anagonou, S. Y., C. V. Adjovi, E. Lafia, et al., 1997, Evaluation de la Prevalence du VIH Chez les Consultantes Prenatales des Zones Urbaines et Rurales en Republique de Benin ..., Xth International Conference on AIDS and STD in Africa Abidjan, Cote d'Ivoire, 12/7-11, Session B.043.
- A0195 Ali-Napo, L., G. La Ruche, N. Messou, et al., 1997, Prevalences des MST et de l'Infection a VIH Chez la Femme Enceinte a Abidjan, Cote d'Ivoire, 1996-1997, Xth International Conference on AIDS and STD in Africa Abidjan, Cote d'Ivoire, 12/7-11, Session B.390.
- A0200 Alexandre, Y. P., G. B. Mangdah, K. L. Ngaba, et al., 1997, Epidemiologie du VIH/SIDA/MST au Tchad a Travers une Enquete Transversale, Xth International Conference on AIDS and STD in Africa Abidjan, Cote d'Ivoire, 12/7-11, Session A.428.
- B0020 Bureau Elargi du PNLS, 1992, Togo Trip Report, WHO/GPA.
- B0179 Bahamas Ministry of Health, Community Health Service, 1993, PAHO/WHO HIV Surveillance, May 18, Pan American Health Organization/World Health Organization.
- B0186 Barbados Ministry of Health, 1993, PAHO/WHO HIV Surveillance, Jan. 13, Pan American Health Organization/World Health Organization.
- B0187 Barbados Ministry of Health, 1992, PAHO/WHO HIV Surveillance, Oct. 23, Pan American Health Organization/World Health Organization.
- B0188 Barbados Ministry of Health, 1992, PAHO/WHO HIV Surveillance, Aug. 17, Pan American Health Organization/World Health Organization.
- B0189 Barbados Ministry of Health, 1992, PAHO/WHO HIV Surveillance, Apr. 6, Pan American Health Organization/World Health Organization.
- B0206 British Virgin Islands Public Health Department, 1992, PAHO/WHO HIV Surveillance, Sept. 15, Pan American Health Organization/World Health Organization.
- B0271 Bamba, B., M. Soumah, P. Lutumba, et al., 1995, Etude de Prevalence du VIH et les Autres MST chez les Filles Libres a Conakry, IX International Conference on AIDS and STD in Africa, Kampala, Uganda, 12/10-14, Poster TuC619.
- B0287 Bhave, G., S. Desai, V. Parkar, 1996, Trends of HIV-1 and HIV-2 Infection in STD Patients and Pattern of Transmission to Their Spouses in Bombay, India, XI International Conference on AIDS, Vancouver, 7/7-14, Poster, Mo.C.1496.
- B0288 Baltazar, G., T. M. Okeyo, 1996, The HIV Sentinel Surveillance System in Kenya: Methodology, Results and Uses, XI International Conference on AIDS, Vancouver, 7/7-14, Poster Mo.C.1550.
- B0297 Berriolo, R., Programa Nacional de ETS/SIDA, 1996, PAHO/WHO HIV Surveillance, May 2, PAHO/WHO.
- B0300 Buitron, R. A., Programa Nacional SIDA, 1994, PAHO/WHO HIV Surveillance, May 23, PAHO/WHO.
- B0302 Berriolo, R., Programa Nacional de ETS/SIDA (M.S.P.), 1996, PAHO/WHO HIV Surveillance, August 16, PAHO/WHO.
- B0313 Bhutan Ministry of Social Services, 1993, Medium Term Plan for Prevention and Control of AIDS in Bhutan, 1990 - 1993, Ministry of Social Services, Directorate of Health Services, World Health Organization, Thimphu, Bhutan, report.
- B0330 Barrera, A. E., A. Bermejo, V. Leiro, 1997, Comportamiento de la Sifilis en el Sector ets del Hospital de Infecciosas de la Ciudad Autonoma de Buenos Aires, V Pan-American Conference on AIDS and XI Latin American Congress on STD, Lima, Peru, 12/3-6, Abstract P469.

- B0334 Bassabi, K., M. David, K. Kessie, et al., 1997, Donnees de la Serosurveillance Sentinelle Chez les Femmes Enceintes au Togo en 1995 et 1996, Xth International Conference on AIDS and STD in Africa Abidjan, Cote d'Ivoire, 12/7-11, Poster B.1163.
- B0339 Baganizi E., M. Alary, C. Adjovi, et al., 1997, Evolution de l'Infection au VIH Parmi les Professionnelles du Sexe (PS) au Benin, Xth International Conference on AIDS and STD in Africa Abidjan, Cote d'Ivoire, 12/7-11, Session B.199.
- B0341 Bougoudogo, F., C. Mulanga, S. Diarra, et al., 1997, Prevalence de l'Infection par le VIH Chez les Femmes Enceintes et les Femmes Libres dans le District de Bamako, Xth International Conference on AIDS and STD in Africa Abidjan, Cote d'Ivoire, 12/7-11, Poster B.447.
- B0343 Burkina Faso Ministry of Health, 1997, La Surveillance Epidemiologique de l'Infection a VIH, du SIDA, et des Maladies Sexuellement Transmises au Burkina Faso, Ministere de la Sante, O.C.C.G.E, Ouagadougou, juin, rapport final.
- B0344 Bablia, M. I., 1997, HIV/AIDS Surveillance Report: 1996, Epidemiology Section National AIDS Control Program Cameroon, Ministry of Public Health, May, document.
- B0346 Boonyaruk, 1998, HIV Sentinel Surveillance Information from Nepal, E-Mail Correspondence dated Friday, 5 June 98, from the National Center for AIDS and STD Control, Ministry of Health.
- C0183 Cossa, H. A., S. Gloyd, R. G. Vaz, et al., 1994, Syphilis and HIV Infection among Displaced Pregnant Women in Rural Mozambique, International Journal of STD and AIDS, vol. 5, pp. 117-123.
- C0199 Choudhury, A. Q. M. B., M. R. Choudhury, S. Lazzari, 1995, Responding to HIV/AIDS Epidemic in Bangladesh, 3rd International Conference on AIDS in Asia and the Pacific, Chiang Mai, Thailand, 9/17-21, Poster PB132.
- C0207 Catraye, J., L. Diarra, L. H. Ouedraogo, et al., 1995, Decentralisation de la Serosurveillance du VIH et des MST au Mali: Experience du Projet Pase, IX International Conference on AIDS and STD in Africa, Kampala, Uganda, 12/10-14, Abstract WeC790.
- C0221 Cheng, H., J. P. Zhang, J. D. Kou, et al., 1996, The HIV Epidemic in Yunnan Province, 1995, XI International Conference on AIDS, Vancouver, 7/7-14, Poster Mo.C.1504.
- C0228 Chin, J., 1996, HIV Prevalence Estimates for Cambodia: Recommendations for Future HIV Surveillance, School of Public Health, University of California, Berkeley, Cambodia Trip Report, Sept. - Oct, unpublished.
- C0250 Calderon Chavarria, J. L., 1994, Antigeno de Superficie (HBsAg) de la Hepatitis B y Anticuerpos contra Virus de la Inmunodeficiencia Humana en Trabajadoras..., Tesis de Graduacion de Medico y Cirujano, Facultad de Ciencias Medicas, Universidad de San Carlos de Guatemala, agosto, unpublished document.
- C0251 Chua Lopez, C. A., et al., 1996, VIH-SIDA en la Zona 6 de Guatemala, Un Estudio Prospectivo, Guatemala, final report.
- C0256 Carter, K. H., B. P. Harry, M. Jeune, et al., 1997, HIV Risk Perception, Risk Behavior, and Seroprevalence among Female Commercial Sex Workers in Georgetown, Guyana, Pan American Journal of Public Health, vol. 1, no. 6, pp. 451-458.
- C0258 Cruz Palacios, C., G. Hernandez, X. Teran, et al., 1997, Panorama de las ets en Mujeres Trabajadoras del Sexo Comercial (MTSC) y Practicas de Riesgo en su Adquisicion, en la Ciudad ..., V Pan-American Conference on AIDS and XI Latin American Congress on STD, Lima, Peru, 12/3-6, Abstract PCJ146.
- C0263 Cambodia National AIDS Program, 1997, HIV Seroprevalence Sentinel Surveillance, Cambodia 1997, Cambodia National AIDS Program, tables.
- C0265 Cassamal, L., I. Avarenga, M. Drouin, et al., 1997, Prevalence of HIV-1, HIV-2, Neisseria Gonorrhoeae, Chlamydia Trachomatis, and Genital Warts in Women Living in Bafata ..., Xth International Conference on AIDS and STD in Africa Abidjan, Cote d'Ivoire, 12/7-11, Poster B.492.
- C0266 Carosi, G., N. E. Udonwa, J. Nwosu, et al., 1997, Notified AIDS and HIV Infection Cases in the Seychelles: Epidemiological Trends, Xth International Conference on AIDS and STD in Africa Abidjan, Cote d'Ivoire, 12/7-11, Poster B.493.
- C0268 Canez, A., M. Cayemittes, B. Desmangles, et al., 1996, Resultats de L'Etude de Surveillance Serosentinelles sur la Prevalence du VIH, de L'Hepatitis B et de la Syphilis ..., Institut Haitien de L'Enfance (IHE) Les Centres Gheskio et OPS/OMS, December, report.
- D0178 De Windt, M., Dept. Salubridad Publica, 1995, PAHO/WHO HIV Surveillance, June 23, PAHO/WHO.
- D0193 Douglas, K. G., A. Brathwaite, V. Patterson, et al., 1996, Risk Factors Associated with STD/HIV Seropositivity among Female Commercial Sex Workers (CSWS) - Implications for an ..., XI International Conference on AIDS, Vancouver, 7/7-14, Poster Tu.C.2477.
- D0194 De Hulsters, B., A. Barreto, A. Noya, et al., 1996, STD Control, an Effective Means for HIV Control?, XI International Conference on AIDS, Vancouver, 7/7-14, Poster Th.C.4748.
- D0202 De Bonilla, G., 1996, El Salvador HIV/AIDS Summary Report, Sited by Patricio Murgueytio, PASCA, personal memo.
- D0206 Diouf, O., 1994, Document de Projet 1994-95, World Health Organization, document.
- D0207 Djibouti Ministry of Health, 1993, Rapport de la Surveillance de l'Infection a VIH par Pasles Sentinelles en Republique de Djibouti, juillet - octobre 1993, World Health Organization.
- D0227 Diarra, L., 1995, Consultation Pour le Renforcement des Activites de Surveillance VIH/SIDA/MST Aux Comores: Moroni, 10-16 November 1995, Republique Federale Islamique des Comores, Rapport de Mission.

- E0024 Echeverria de Perez, G., O. Loreto, N. E. Blanco, et al., 1992, Reappraisal of Human Retroviral Infection in Venezuela, AIDS Research and Human Retroviruses, vol. 8, no. 2, pp. 219-220.
- E0051 Ekanem, E. E., 1995, HIV/AIDS/STD Epidemiological Surveillance Activities in Namibia: Report on a W.H.O. Mission, W.H.O. Mission Trip, September 15, report.
- E0052 Epid. Unit, National AIDS Res. and Control Programme, 1992, Global Programme on AIDS: Sentinel HIV Surveillance on Zambia, World Health Organization, Minister of Health, Zambia, March, unpublished report.
- E0055 Eitayeb, E. M., 1995, HIV Surveillance in the Islamic Republic of Iran, World Health Organization, EM/GPA/113/E/R/11.95/27, 1-21 September, assignment report.
- E0059 Esu-Williams, E., C. Mulanga-Kabeya, T. O. Harry, et al., 1997, Seroprevalences of HIV-1, HIV-2 and HIV-1 Group O in Nigeria: Evidence for a Growing Increase of HIV Infection, Xth International Conference on AIDS and STD in Africa Abidjan, Cote d'Ivoire, 12/7-11, Poster A.908.
- E0061 El-Tayeb, E. M., 1995, Strengthening AIDS/HIV Surveillance in Jordan: 17-31 October 1994, World Health Organization, Regional Office for the Eastern Mediterranean, February, Assignment report.
- E0062 El-Tayeb, E. M., 1995, HIV/STD Surveillance in the Syrian Arab Republic: 20 May - 19 June 1995, World Health Organization, Regional Office for the Mediterranean, July, Assignment report.
- F0084 Fylkesnes, K., R. M. Musonda, N. P. Luo, et al., 1995, HIV Infection among Antenatal Women in Zambia: Results from 1994 and Indications on Trends 1990-94, IX International Conference on AIDS and STD in Africa, Kampala, Uganda, 12/10-14, Abstract WeC794.
- F0092 Fox, E., 1994, HIV Surveillance in Egypt, Assignment Trip Report, 4 January - 6 February, Cairo, Egypt, unpublished document.
- F0093 Fylkesnes, K., R. M. Musonda, K. Kasumba, et al., 1997, The HIV Epidemic in Zambia: Socio-Demographic Prevalence Patterns and Indications of Trends among Childbearing Women, AIDS, vol. 11, no. 3, pp. 339-345.
- F0097 Fain, J., W. Xu, Z. Li, et al., 1997, The Correlation between Number of Sexual Partners, Incidence of Sexually Transmitted Disease, Hepatitis B Virus and HIV ..., 4th International Congress on AIDS in Asia and the Pacific, Manila, Philippines, 10/25-29, Poster AP110.
- G0123 Gayle, C., J. Farley, 1993, Trends in Patterns of Transmission Over 10 Years of the AIDS Epidemic in the English-Speaking Caribbean and Suriname, IX International Conference on AIDS, Berlin, 6/6-11, Poster PO-C06-2710.
- G0137 Guyana Ministry of Health AIDS Programme, 1993, PAHO/WHO HIV Surveillance, Feb. 1, Pan American Health Organization/World Health Organization.
- G0161 Goh, C. L., 1995, Prevalence of Sexually Transmitted Disease among Commerical Sex Workers in Singapore (1977-1993) the Effects of Screening ..., IUVDT World STD/AIDS Congress, Singapore, 3/19-23, Roundtable Discussion 2.
- G0174 Ghys, P. D., M. O. Diallo, V. Ettiegne-Traore, et al., 1995, Genital Ulcers Associated with Human Immunodeficiency Virus-Related Immunosuppression in Female Sex Workers in Abidjan, ..., Journal of Infectious Diseases, vol. 172, no. 5, pp. 1371-1374.
- G0184 Garcia-Bernal, R., W. Klaskala, J. Castro, et al., 1997, HIV/AIDS Surveillance in Colombia: Regional Differences in Epidemic Trends, AIDS, vol. 11, no. 10, pp. 1297-1298.
- G0198 Ghana Ministry of Health, 1997, HIV Sentinel Surveillance: 1996, Disease Control Unit, Ministry of Health, Accra, Ghana, April, unpublished report.
- G0205 Goodwin, D. J., R. Mra, 1997, Geographic Distribution of HIV/AIDS in Myanmar: Evidence of a Major East-West Gradient, 4th International Conference on AIDS and the Pacific, Manila, Philippines, 10/25-29, Session AP109.
- G0209 Getaneh, A., J. Sanchez, D. Watts, et al., 1997, Sero Prevalence of Sexually Transmitted Disease and Infections Related to Sexual Behavioral Characteristics among the ..., V Pan-American Conference on AIDS and XI Latin American Congress on STD, Lima, Peru, 12/3-6, Abstract PCV264.
- H0117 Hawkes, S., H. Whittle, R. Jagne, et al., 1994, The Increase in HIV-1 Prevalence in Commercial Sex Workers (CSWs) in the Gambia, and Association with Other STDs Including ..., Tenth International Conference on AIDS, Yokohama, Japan, 8/7-12, Session 393C.
- H0139 Herrera, G., M. Moraga, L. Lezama, et al., 1997, Infecciones de Transmision Sexual en Mujeres en Prostitucion en Costa Rica, 1996, V Pan-American Conference on AIDS and XI Latin American Congress on STD, Lima, Peru, 12/3-6, Abstract PCV266.
- H0141 Habi, G., S. Oumarou, H. Djibo, et al., 1997, Seroprevalence de l'Infection a VIH et Comportement a Risque des Prostituees et Filles de bar de Niamey, Xth International Conference on AIDS and STD in Africa Abidjan, Cote d'Ivoire, 12/7-11, Poster B.731.
- I0028 Igua, A., A. Manlapig, E. Puiahi, et al., 1993, Papua New Guinea National HIV Reference Laboratory - Annual Report, 1992, Central Public Health Laboratory, February.
- I0041 Iran National AIDS Control Programme, 1994, Results of HIV Tests, Ministry of Health and Medical Education, Disease Control Department.
- J0056 Joao, E. C., J. Menezes, O. Resende, et al., 1996, HIV Testing for Pregnant Women in a Public Maternity Hospital Located in Inner City Rio de Janeiro, Brazil, XI International Conference on AIDS, Vancouver, 7/7-14, Abstract Tu.C.2571.
- J0058 Jayaseelan, J., R. Ismail, P. Senani, 1997, Reports on HIV/AIDS in Malaysia, Presented at the UNAIDS Regional Workshop on "Evidence of Behavioural Change in the Context of HIV Decline in Thailand", May 19 - 22, Bangkok, Thailand.



- J0059 Jamaica Ministry of Health, 1997, HIV Sentinel Surveillance - 1996, Fax from Ministry of Health Epidemiology Unit, Kingston, Jamaica, unpublished document.
- K0205 Kimball, A. M., R. Gonzalez, R. Calderon, et al., 1991, The AIDS Pandemic in the Americas: Using Surveillance Information to Reinforce National Control Programs, VII International Conference on AIDS, Florence, Italy, 6/16-21, Abstract M.D.4294.
- K0209 Kosia, A., D. Williams, M. Fofanah, 1995, Condom Use and Promotion among the Low Income Prostitutes, IX International Conference on AIDS and STD in Africa, Kampala, Uganda, 12/10-14, Abstract WeD881.
- K0233 Kaluwa, O. L., H. G. Feluzi, A. C. Songwe, et al., 1995, 1995 Sentinel Surveillance Report, National AIDS Control Programme, Lilongwe, Malawi, unpublished reports.
- K0239 Kaluwa, O. L., H. J. Damisoni, H. G. Feluzi, et al., 1996, Sentinel Surveillance Report: HIV/Syphilis Seroprevalence in Antenatal Clinic Attenders, National AIDS Control Programme, Lilongwe, Malawi, unpublished report.
- K0245 Kaldor, J., 1997, HIV Infection in Australia: Recent Epidemiological Trends and Patterns, 4th International Congress on AIDS in Asia and the Pacific, Manila, Philippines, 10/25-29, Abstract Ao068.
- K0248 Khonde, N., C. Asamoah-Adu, A. Assamoah-Adu, et al., 1997, HIV Infection among Commercial Sex Workers in Accra, Ghana, Xth International Conference on AIDS and STD in Africa Abidjan, Cote d'Ivoire, 12/7-11, Poster B.714.
- K0254 Koumare, B., M. Peeters, C. Mulanga, et al., 1997, Genetic Subtypes of HIV-1 and HIV-2 Stains in Commercial Sex Workers from Bamako, Mali, Xth International Conference on AIDS and STD in Africa Abidjan, Cote d'Ivoire, 12/7-11, Abstract A.221.
- K0255 Kenfack, H., C. Ndongmo, L. Zekeng, et al., 1997, T-Lymphocyte Subsets and HIV Infection in a STD Clinic Attendants in Yaounde, Xth International Conference on AIDS and STD in Africa Abidjan, Cote d'Ivoire, 12/7-11, Abstract A.275.
- K0259 Kassim, S., S. Z. Wiktor, C. Maurice, et al., 1997, Prevalence of HIV Infection among Women Attending Urban Antenatal Clinics in Cote d'Ivoire, 1997, Xth International Conference on AIDS and STD in Africa Abidjan, Cote d'Ivoire, 12/7-11, Session B.042.
- L0156 Lee, S. S., W. L. Lim, S. H. Lee, et al., 1994, Epidemiology of HIV Infection in Hong Kong, Tenth International Conference on AIDS, Yokohama, Japan, 8/7-12, Poster P.C.0070.
- L0201 Latif, A. S., 1995, A Report on a Study to Determine the Aetiology and Pattern of STD amongst Men and Women Presenting to Health Centres in ... University of Zimbabwe Medical School, Dept. of Medicine, September STD report, unpublished.
- L0214 Liberia National AIDS Control Program, 1993, Monthly HIV Surveillance Report: August 1 - 31, 1993, National AIDS Control Program, Monrovia, Liberia, report.
- L0223 Laboratorio Nacional de Referencia, 1992, PAHO/WHO HIV Surveillance, January - September, PAHO/WHO.
- L0227 Lesotho Ministry of Health and Social Welfare, 1993, HIV Sentinel Surveillance Report: 1993, National STD/AIDS Prevention and Control Program, World Health Organization, report.
- L0228 Loukaka, J. C., 1995, Renforcement des Activites de la Surveillance VIH/SIDA/MST, Organisation Mondiale de la Sante Bureau Regional OMS, Afrique Representation OMS, Luanda, Angola, octobre, mission report.
- L0234 Lewis, M. J., A. Rahaman, R. Lee, et al., 1997, Changing HIV Seroprevalence Trends among Antenatal Clinic Attendees in Trinidad and Tobago, Caribbean Epidemiology Centre (PAHO/WHO), abstract form submitted to the V Pan American Conference on AIDS.
- L0235 Lesotho Ministry of Health and Social Welfare, STD/AIDS Unit ... 1996, Country Focus: Lesotho, Southern Africa AIDS Information Dissemination Service Bulletin, vol. 4, no. 3, pp. 9-10.
- L0238 Loo Mendez, R. E., R. C. Magis, S. M. Santarriaga, et al., 1997, Vigilancia Epidemiologica de VIH/SIDA/ETS en Mexico 1990-1996, V Pan-American Conference on AIDS and XI Latin American Congress on STD, Lima, Peru, 12/3-6, Abstract P066.
- L0244 Lindan, C., G. Bhave, P. Gupte, et al., 1997, High Prevalence of HIV among Male STD Patients in Bombay Heralds Spread to the General Population, 4th International Congress on AIDS in Asia and the Pacific, Manila, Philippines, 10/25-29, Abstract BP120.
- L0247 Lloyd-Evans, N., D. O'Donovan, R. Sarge Njie, et al., 1997, Rapid Assessment of STD Prevalence among Antenatal Clinic Attendants in the Gambia, Xth International Conference on AIDS and STD in Africa Abidjan, Cote d'Ivoire, 12/7-11, Poster B.1145.
- L0254 Lebanon National AIDS Programme, World Health Organization, 1994, Republic of Lebanon National AIDS Programme - Strategic Plan: 1995 - 1999, Beirut, Lebanon, August, draft report.
- M0243 Mungai, J. N., J. Ombette, J. Kimani, et al., 1992, Laboratory Findings for the Prevalence of HIV, Neisseria Gonorrhoea and Chlamydia Trachomatis Infections among Prostitutes ... VII International Conference on AIDS in Africa, Yaounde, Cameroon, 12/8-11, Abstract W.P.189.
- M0309 Ministry of Health (Lao People's Democratic Republic), 1993, Second Quarterly Report: April - June 1993, National Committee for the Control of AIDS (NCCA), Vientiane, August, unpublished report.
- M0331 Maiga, Y. I., Z. Sissoko, et al., 1993, Etude de la Seroprevalence de l'Infection a VIH dans les 7 Regions Economiques du Mali, VIII International Conference on AIDS in Africa, Marrakech, Morocco, 12/12-16, Session M.O.P.055.
- M0340 Mugrditchian, D., 1994, Mongolia Trip Report, AIDSCAP Family Health International, pp. 1-15.

- M0375 Mattke, P., M. Grunitzky-Bekele, E. Klee, 1994, Sentinel Surveillance among Pregnant Women in Northern Togo during 1992 and 1993, Tenth International Conference on AIDS, Yokohama, Japan, 8/7-12, Poster P.C.0051.
- M0391 Meidany, F., 1993, NACP.EQG HIV Sentinel Surveillance April Report, World Health Organization.
- M0394 Ministry of Health, 1993, Etude de Prevalence des Maladies Sexuellement Transmissibles et des Infections a VIH au Niger, Republique du Niger, Ministere de la Sante Publique, Niamey, Octobre, rapport final.
- M0420 Mboup, S., et al., 1994, Surveillance Sentinelle de Infections o HIV, Bulletin Epidemiologique HIV, December, no. 5, pp. 1-24.
- M0433 Mason, P., S. Ray, C. Mapushere, et al., 1995, Use of Female and Male Condoms by Commercial Sex Workers: Impact on STD Transmission, IX International Conference on AIDS and STD in Africa, Kampala, Uganda, 12/10-14, Poster TuC614.
- M0447 Ministry of Health, 1996, STD/HIV/AIDS the Brazilian Response, Ministry of Health, Secretariat for Health Care, National Program on Sexually Transmitted Diseases and AIDS, June report.
- M0450 Ministere de la Sante Publique, 1995, Etude de Prevalence des Maladies Sexuellement Transmissibles et des Infections a VIH au Burkina Faso, Burkina Faso, Ministere de la Sante Publique, Ouagadougou, July, final report, unpublished.
- M0470 Manhart, L. E., A. Zidouh, K. Holmes, et al., 1996, Sexually Transmitted Disease (STD) in Three Types of Health Clinics in Morocco: Prevalence, Risk Factors, and Syndromic ..., XI International Conference on AIDS, Vancouver, 7/7-14, Poster Mo.C.1627.
- M0473 Msamanga, G. I., E. Urassa, D. Spiegelman, et al., 1996, Socioeconomic Status and Prevalence of HIV Infection among Pregnant Women in Dar es Salaam, Tanzania, XI International Conference on AIDS, Vancouver, 7/7-14, Poster Tu.C.2464.
- M0480 Mian, M. A. H., M. A. Kabir, K. Begum, 1996, Comparative Analysis of Point Prevalence of the Different Types of STD in ICSW and FCSW, XI International Conference on AIDS, Vancouver, 7/7-14, Abstract Pub.B.1048.
- M0484 Martin, R. Z., F. Machado, F. Rolo, et al., 1996, Present Status of the Perinatal Transmission of HIV in Cuba. Importance of the Diagnosis in Pregnant Women, XI International Conference on AIDS, Vancouver, 7/7-14, Abstract Tu.C.2602.
- M0488 Ministry of Health, National AIDS Control Programme, 1996, National HIV Sentinel Survey - 1996, Ministry of Health and Social Services, Namibia, October report.
- M0495 Monteith, D., 1996, The Review of HIV/STD Program of the Health Sector II Project, Honduras AIDSCAP Project, Health Technical Services, Project, September report, cited by Patricio Murgueytio, PASCA, personal memo.
- M0498 Murugasampillay, S., 1995, Epidemiology and Surveillance of Human Immunodeficiency Virus (HIV), Acquired Immunodeficiency Syndrome (AIDS) and Sexually ..., World Health Organization, pp. 1-45.
- M0502 M'Pele, P., T. Guerma, J. C. Loukaka, et al., 1990, VIH/SIDA Surveillance, Bulletin Epidemiologique Semestriel, no. 1, December.
- M0503 M'Pele, P., J. C. Loukaka, M. M. Bazabana, et al., 1994, VIH/SIDA/MST Surveillance, Bulletin Epidemiologique Semestriel, no. 6, June.
- M0506 Malau, C., 1995, Report on HIV/AIDS Cases and HIV Seroprevalence Surveys, Department of Health, Papua New Guinea, September 28, documents.
- M0515 Morse, S. A., D. L. Trees, Y. Htun, et al., 1997, Comparison of Clinical Diagnosis and Standard Laboratory and Molecular Methods for the Diagnosis of Genital Ulcer Disease in ..., Journal of Infectious Diseases, vol. 175, no. 3, pp. 583-589.
- M0535 Milleliri, J. M., M. Koube-Bouza, G. Dibanga-Modoumet, et al., 1997, Surveillance Epidemiologique du VIH/SIDA par un Reseau de Laboratoire au Gabon. Faisabilite et Resultats Preliminaires, Xth International Conference on AIDS and STD in Africa Abidjan, Cote d'Ivoire, 12/7-11, Poster B.459.
- M0541 Mattered, D., J. Mazi, M. Massanga, et al., 1997, Evolution de l'Epidemie a VIH-SIDA en Republique Centrafricaine Entre 1994 et 1996 a Travers la Serosurveillance Sentinelle ..., Xth International Conference on AIDS and STD in Africa Abidjan, Cote d'Ivoire, 12/7-11, Poster B.1166.
- M0543 Meda, N., P. Msellati, L. Mandelbrot, et al., 1997, Tolerance et Acceptabilite de la Desinfection Vaginale par des Ovules de Chlorure de Benzalkonium (CdB) dans la Reduction de ..., Xth International Conference on AIDS and STD in Africa Abidjan, Cote d'Ivoire, 12/7-11, Abstract B.1312.
- M0549 Mulanga-Kabeya, C., N. Nzila, B. Edidi, et al., 1997, Evidence of Stable HIV Seroprevalences in Selected Populations in Democratic Republic of Congo, Former Zaire (1988-1997), Xth International Conference on AIDS and STD in Africa Abidjan, Cote d'Ivoire, 12/7-11, Abstract C.517.
- N0179 National AIDS Control Program, 1996, HIV/AIDS Status, FAX Ministry of Health and Social Affairs, Argentina.
- N0188 National AIDS Programme/Epidemio, 1996, HIV-Serosurveillance 1996, National AIDS Programme/Epidemio, August, Preliminar report.
- N0194 NCPD, 1993, Technical Session on Epidemiology of HIV/AIDS: 25 January 1993, World Health Organization.

- N0195 Noya, A., 1995, Sentinel Surveillance, Epidemiology Department, Ministry of Health, National STD/AIDS Control Programme, Maputo, Mozambique.
- N0199 NACP, 1997, Sentinel Surveillance 1997 Results, Ministry of Health.
- N0200 National AIDS Control Programme, 1997, HIV Sentinel Surveillance Report, National AIDS Control Programme, India, unpublished document.
- N0209 Nororgen, H., S. Anderson, F. Dias, et al., 1997, Trends of Incidence and Prevalence of HIV-1 and HIV-2 in Guinea-Bissau, West Africa, Xth International Conference on AIDS and STD in Africa Abidjan, Cote d' Ivoire, 12/7-11, Session B.045.
- N0210 Ntabangana, S. C., J. Wakana, E. Nininahazwe, et al., 1997, Situation Epidemiologique de l'Infection a VIH Chez les Femmes Burundaises, Evolution des Chiffres, Xth International Conference on AIDS and STD in Africa Abidjan, Cote d' Ivoire, 12/7-11, Poster B.454.
- N0215 National AIDS Programme and UNAIDS/WHO Working Group on ..., 1997, Guinea HIV/AIDS Epi Fact Sheet, Ministry of Health, Programme National MST-SIDA, tables.
- O0051 Ocheng, D., A. Msauka, C. Mbuya, et al., 1993, Prevalence of Sexually Transmitted Diseases (STDs) in Females at 7 Truck Stops in Tanzania, VIII International Conference on AIDS in Africa, Marrakech, Morocco, 12/12-16, Poster Th.P.C.070.
- O0063 Osuga, K., C. Chang, 1994, AIDS in the Pacific Islands, AIDS, vol. 8, suppl. 2, pp. S111-S116.
- O0083 O' Donovan, D., K. Ariyoshi, L. Yamuah, et al., 1996, Perinatal Transmission of HIV-2 in the Gambia, West Africa, XI International Conference on AIDS, Vancouver, 7/7-14, Poster Tu.C.2577.
- O0089 Obisesan, K. A., O. D. Olaleye, A. A. Adeyemo, 1997, The Increasing Prevalence of HIV-1 and HIV-2 Infections in a Low Risk Antenatal Population in South West Nigeria, International Journal of Gynecology and Obstetrics, vol. 56, pp. 271-273.
- O0093 Ousseini, H., 1997, Treponematoses Endemiques et VIH a Niamey, Xth International Conference on AIDS and STD in Africa Abidjan, Cote d' Ivoire, 12/7-11, Poster B.439.
- P0122 Prasongsith, B. C., P. Blanche, K. Phouvang, et al., 1994, HIV Infection in Lao Republic, Tenth International Conference on AIDS, Yokohama, Japan, 8/7-12, Poster P.C.0084.
- P0142 Paz, A. A., Comision Nacional del SIDA, 1995, PAHO/WHO HIV Surveillance, May 31, PAHO/WHO.
- P0144 Pakistan HIV Seroprevalence Study Group, 1996, HIV Seroprevalence Survey in Pakistan, AIDS, vol. 10, no. 8, pp. 926-927.
- P0157 PROCETS, SESPAS, 1996, PAHO/WHO HIV Surveillance, April 15, PAHO/WHO.
- P0162 Penna, M., 1996, Panama HIV/AIDS Summary Report, Sited by Patricio Murgueytio, PASCA, personal memo.
- P0177 Prado, F., 1997, Seroprevalencia de VIH y Sifilis en Trabajadoras Comerciales del Sexo en Nicaragua, V Pan-American Conference on AIDS and XI Latin American Congress on STD, Lima, Peru, 12/3-6, Abstract PCS386.
- P0186 Pongui, B., S. le Coeur, P. M'Pele, et al., 1997, Conseil et Depistage de l'Infection a VIH Chez la Femme Enceinte en Vue d' une Prevention de la Transmission Mere-Enfant: ..., Xth International Conference on AIDS and STD in Africa Abidjan, Cote d' Ivoire, 12/7-11, Abstract B.1170.
- R0090 Riedner, G., Y. Hemed, F. Minja, et al., 1993, The Use of Serologic Trends of HIV and Syphilis for the Evaluation of the Mbeya Regional ACP Tanzania 1986-1992, IX International Conference on AIDS, Berlin, 6/6-11, Poster PO-C29-3263.
- R0099 Redouane, A., S. Sekkat, S. Hamdani, et al., 1993, Etude de la Transmission Materno-Foetale de l'Infection par VIH, VIII International Conference on AIDS in Africa, Marrakech, Morocco, 12/12-16, Poster M.P.C.095.
- R0104 Reyes, O., M. Baquerizo, N. Hearst, et al., 1994, HIV Sentinel Serosurveillance in STD Patients. Ecuador, 1991-93., Tenth International Conference on AIDS, Yokohama, Japan, 8/7-12, Poster P.C.0561.
- R0123 RSA Department of National Health, 1994, NIV Sentinel Surveillance, Epidemiological Comments, vol. 21, no. 11, pp. 230-231.
- R0143 Rasamindrakotroka, A., R. Andriamahenina, F. Behets, et al., 1996, High Syphilis and Low but Rising HIV Seroprevalence Rates in Madagascar, XI International Conference on AIDS, Vancouver, 7/7-14, Poster Mo.C.1488.
- R0155 Rao, C. K., 1993, Strengthening of AIDS/HIV Surveillance in the Islamic Republic of Iran, World Health Organization, EM/GPA/74/E/R/05.94/25, 2-17 December, assignment report.
- S0215 Singh, S., N. Crofts, 1993, HIV Infection among Injecting Drug Users in North-East Malaysia, AIDS Care, vol. 5, no. 3, pp. 273-281.
- S0217 Saint Lucia STD/HIV Prevention Programme, 1992, PAHO/WHO HIV Surveillance, June 30, Pan American Health Organization/World Health Organization.
- S0218 Saint Lucia STD/HIV Prevention Programme, 1992, PAHO/WHO HIV Surveillance, Pan American Health Organization/World Health Organization.
- S0220 Saint Lucia STD/HIV Prevention Programme, 1993, PAHO/WHO HIV Surveillance, Jan. 10, Pan American Health Organization/World Health Organization.
- S0221 Saint Lucia STD/HIV Prevention Programme, 1992, PAHO/WHO HIV Surveillance, Oct. 8, Pan American Health Organization/World Health Organization.
- S0227 St. Kitts & Nevis Ministry of Health & Women's Affairs, 1992, PAHO/WHO HIV Surveillance, Apr. 14, Pan American Health Organization/World Health Organization.

- S0234 St. Vincent & the Grenadines Public Health Department, 1992, PAHO/WHO HIV Surveillance, Apr. 13, Pan American Health Organization/World Health Organization.
- S0235 St. Vincent & the Grenadines Public Health Department, 1992, PAHO/WHO HIV Surveillance, July 21, Pan American Health Organization/World Health Organization.
- S0236 St. Vincent & the Grenadines Public Health Department, 1992, PAHO/WHO HIV Surveillance, Oct. 5, Pan American Health Organization/World Health Organization.
- S0241 St. Kitts & Nevis Ministry of Health & Women's Affairs, 1993, PAHO/WHO HIV Surveillance, Jan. 29, Pan American Health Organization/World Health Organization.
- S0242 St. Kitts & Nevis Ministry of Health & Women's Affairs, 1992, PAHO/WHO HIV Surveillance, Oct. 27, Pan American Health Organization/World Health Organization.
- S0294 Sandala, L., P. Lurie, M. R. Sunkutu, et al., 1995, "Dry Sex" and HIV Infection among Women Attending a Sexually Transmitted Diseases Clinic in Lusaka, Zambia, AIDS, vol. 9, suppl. 1, S61-S68.
- S0301 Shin, Y., S. J. Hur, S. S. Kim, et al., 1994, Human Immunodeficiency Virus (HIV) Epidemiological Trends among Risk Groups in Korea, Tenth International Conference on AIDS, Yokohama, Japan, 8/7-12, Session 041C.
- S0367 Sole Pla, M. A., K. R. Sanches, A. H. Matida, et al., 1996, HIV-1 Infection Surveillance among STD Patients in Rio de Janeiro, Brazil, XI International Conference on AIDS, Vancouver, 7/7-14, Abstract Pub.C.1158.
- S0389 Suarez, R. G., Ministerio de Salud Publica, 1994, PAHO/WHO HIV Surveillance, August 8, PAHO/WHO.
- S0397 Sima, J. O., 1995, HIV Sentinel Surveillance Summary Report, Programme Nationale de Lutte Contre MTS/SIDA Ministere de la Sante et en Environnement Malabo-RGE.
- S0400 Sahlu, T., 1996, Epidemiology of HIV/AIDS in Ethiopia, ENARP Scientific Advisory Committee Meeting, Addis Ababa, 17 April, report.
- S0405 Soda, K., 1997, Epidemiology and Control of AIDS/HIV Infection in Japan, Paper Presented at the Workshop on HIV/AIDS Prevention and Care in Reproductive Health Settings, June, Honolulu, Hawaii.
- S0412 Swaziland Ministry of Health, 1996, Fifth HIV Sentinel Surveillance -- Final Report, Ministry of Health, Swaziland National AIDS/STDs Programme, unpublished report.
- S0427 Salunke, S., L. Mishra, M. Jagtap, et al., 1997, Rapid Rise in HIV Prevalence among Youths and Women in Maharashtra (India), 4th International Congress on AIDS in Asia and the Pacific, Manila, Philippines, 10/25-29, Abstract AP064.
- S0433 Shisana, O., 1998, National HIV Surveys of Women Attending Publically Funded Antenatal Clinics, South Africa, 1955-1997, Department of Health, South Africa.
- S0443 Stover, J., 1998, Surveillance data for Ethiopia, Personal Communication from AIDS in Ethiopia, Ministry of Health, Addis Ababa, 1998, AIM booklet.
- T0125 Tan, M. L., M. M. Dayrit, 1994, HIV/AIDS in the Philippines, AIDS, vol. 8, suppl. 2, pp. S125-S130.
- T0147 Tembo, G., et al., 1995, STP Formulation Eritrea, 1995, Note for the Record of Dr. Swai/Dr. Tembo Briefing, 24 January.
- T0160 Tanzania Ministry of Health, 1996, National AIDS Control Programme - HIV/AIDS/STD Surveillance, Surveillance report no. 10, December 1995, Epidemiology Unit, NACP.
- T0162 Trinidad and Tobago Ministry of Health, 1996, Epidemiology of HIV-1 and HTLV-1 in Trinidad and Tobago: Update on Status, Trinidad and Tobago Ministry of Health, report.
- T0166 Thailand Ministry of Health, 1997, National Sentinel Surveillance, June, unpublished tables
- T0171 Toyb, M., J. P. Lombart, C. Farina, et al., 1997, Prevalence of STD Pathogens among Pregnant Women in Moroni, Comores, Xth International Conference on AIDS and STD in Africa Abidjan, Cote d' Ivoire, 12/7-11, Abstract B.391.
- U0039 Uganda Ministry of Health, 1997, HIV/AIDS Surveillance Report: March 1997, STD/AIDS Control Programme, Ministry of Health, Entebbe, Uganda, March, report.
- U0040 Utomo, B., Irwanto, A. Manaf, 1997, STD/HIV Trends and Behavior Changes in Indonesia, Presented at the UNAIDS Regional Workshop on "Evidence of Behavioural Change in the Context of HIV Decline in Thailand," 19 - 22 May, Bangkok, Thailand.
- U0046 Uganda Ministry of Health, 1998, HIV/AIDS Surveillance Report: March 1998, STD/AIDS Control Programme, Ministry of Health, Entebbe, Uganda, March report.
- V0088 Volquez, C., J. Sanches, C. Ryan, et al., 1997, Manejo de las Enfermedades de Transmision Sexual en la Republica Dominicana: Prevalencia de Infecciones y Validacion del ... V Pan-American Conference on AIDS and XI Latin American Congress on STD, Lima, Peru, 12/3-6, Abstract P030.
- W0097 Wang, G. R., C. H. Shih, C. Y. Chuang, 1994, Present Status and Prevalence of HIV Infection in Taiwan, January 1994, Tenth International Conference on AIDS, Yokohama, Japan, 8/7-12, Poster P.C.0069.
- W0112 World Health Organization Western Pacific Region, 1995, HIV and AIDS in the Western Pacific Region, AIDS Surveillance Report, no. 6, pp. 1-3.
- W0122 Winsbury, R., 1996, Aiding Refugees in the Aftermath of Civil War, AIDS Analysis Africa, vol. 6, no. 5, p. 3.
- W0126 World Health Organization, 1993, Report on Sentinel Surveillance - First Round - 1993, World Health Organization HIV Surveillance report, May 10, Sri Lanka.

- W0128 World Health Organization, 1992, Project Summary, AIDS Prevention and Control Project/Nepal, October, document.
- Y0022 Yilmaz, G., S. Turkoglu, N. Isik, et al., 1994, Prevalence of HIV Infection among Blood Donors in Istanbul, Turkey, Tenth International Conference on AIDS, Yokohama, Japan, 8/7-12, Poster P.C.0391.
- Y0030 Len, L. N., L. D. Hong, 1997, HIV/AIDS Surveillance Database in Vietnam in 1997, National AIDS Committee of Vietnam, document.
- Y0031 Yu, P., I. Jen, C. C. Lin, et al., 1997, Surveys of HIV-1, HTLV-1 and Other Sexually Transmitted Diseases among Female Sex Workers in Taipei, Taiwan, 4th International Congress on AIDS in Asia and the Pacific, Manila, Philippines, 10/25-29, Poster AP065.
- Z0045 Zekeng, L., L. Gurtler, E. Afane Ze, et al., 1994, Prevalence of HIV-1 Subtype O Infection in Cameroon: Preliminary Results, AIDS, vol. 8, no. 11, pp. 1626-1628.
- Z0061 Zimbabwe Ministry of Health and Child Welfare, 1997, Summary Results of HIV Sentinel Surveillance, AIDS Coordination Programme, fax from Sunday Manyenya, 21 April.
- Z0070 Zhong, R., X. Kong, Y. Xie, 1997, Sexual Transmitted Diseases and T- Lymphocytes Population in Prostitutes, 4th International Congress on AIDS in Asia and the Pacific, Manila, Philippines, 10/25-29, Abstract AP102.