

**RECENT HIV SEROPREVALENCE LEVELS
BY COUNTRY: FEBRUARY 1999**



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

**Research Note
No. 26
February 1999**

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 26th 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.

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**RECENT HIV SEROPREVALENCE LEVELS
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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.

Recent HIV Seroprevalence Levels by Country: February 1999

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 12th World AIDS Conference Geneva. Currently, the *HIV/AIDS Surveillance Data Base* contains about 43,900 individual data records drawn from 4681 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).

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.

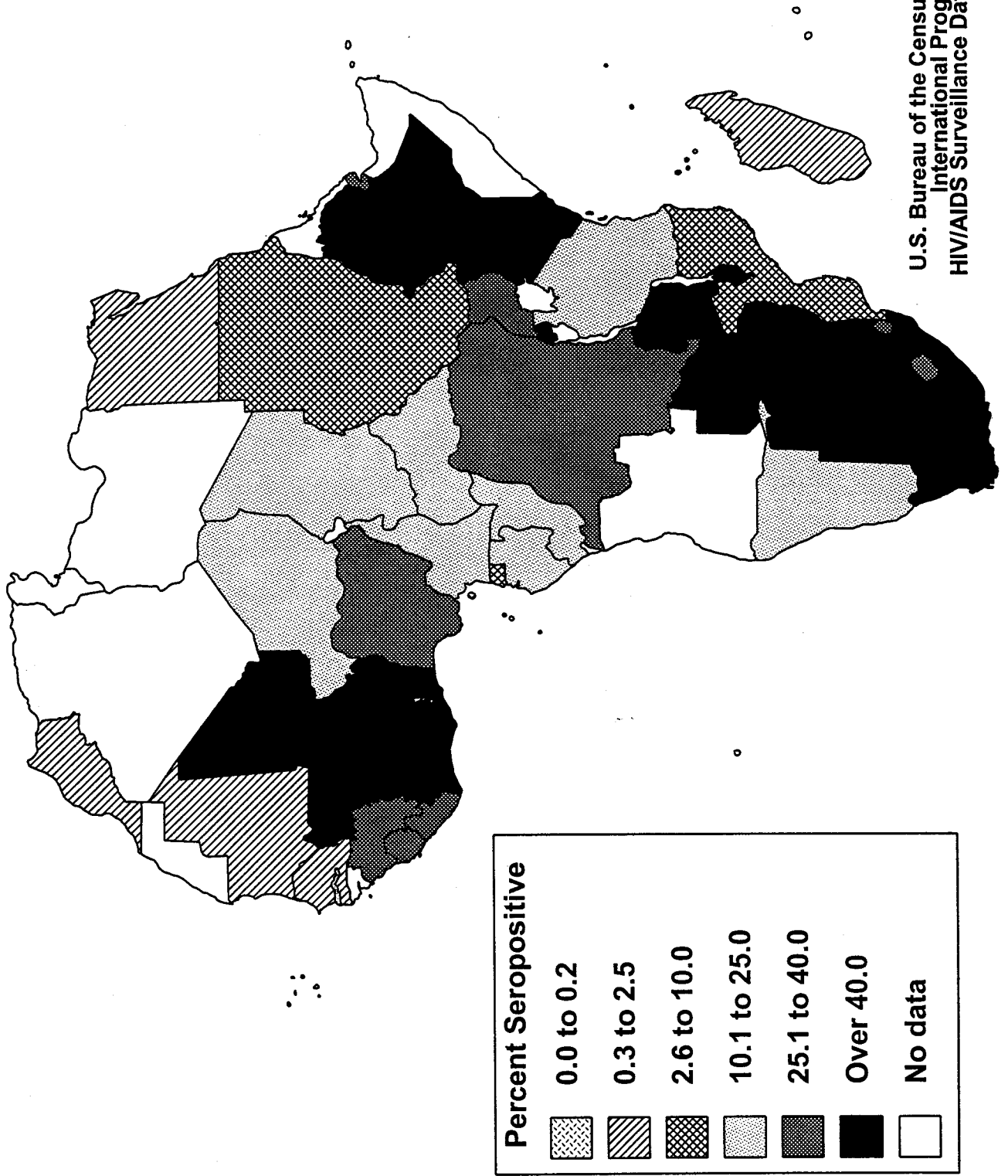
Data were selected using criteria of sample size, recency of data, presence of two diagnostic tests, and minimal evident bias in sample selection, given the target population. Since each figure is based on a single study, it is not an average or composite figure. As yet, there are insufficient comparable 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.

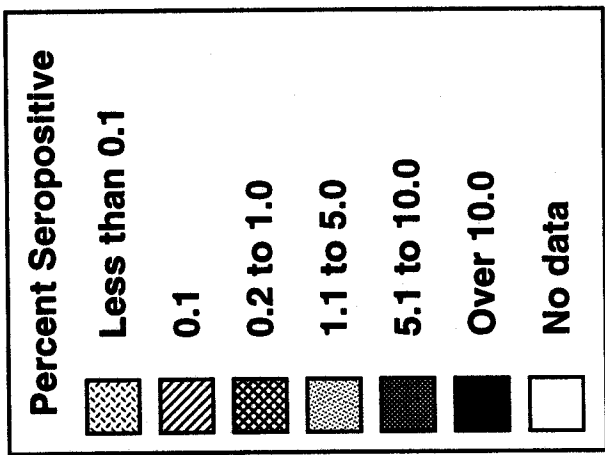
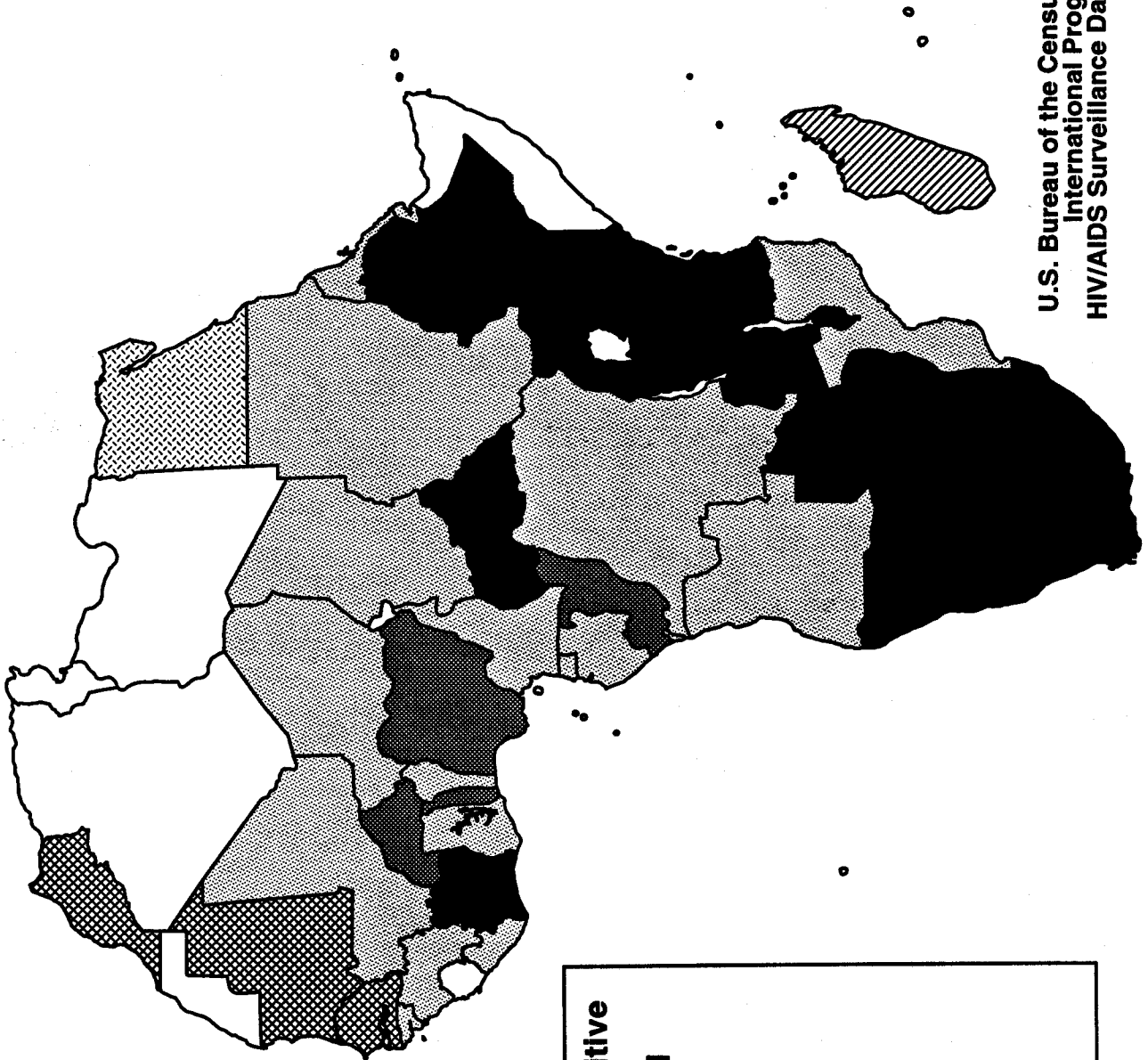
We welcome comments and suggestions from users of the data base. We also welcome copies of articles or references to information which may have been overlooked.

African HIV-1 Seroprevalence for High-Risk Urban Populations



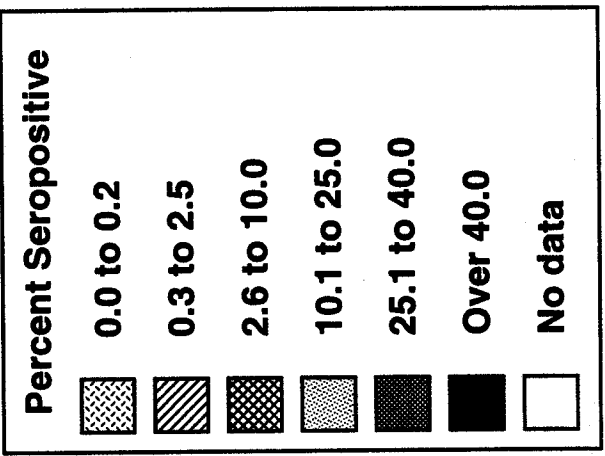
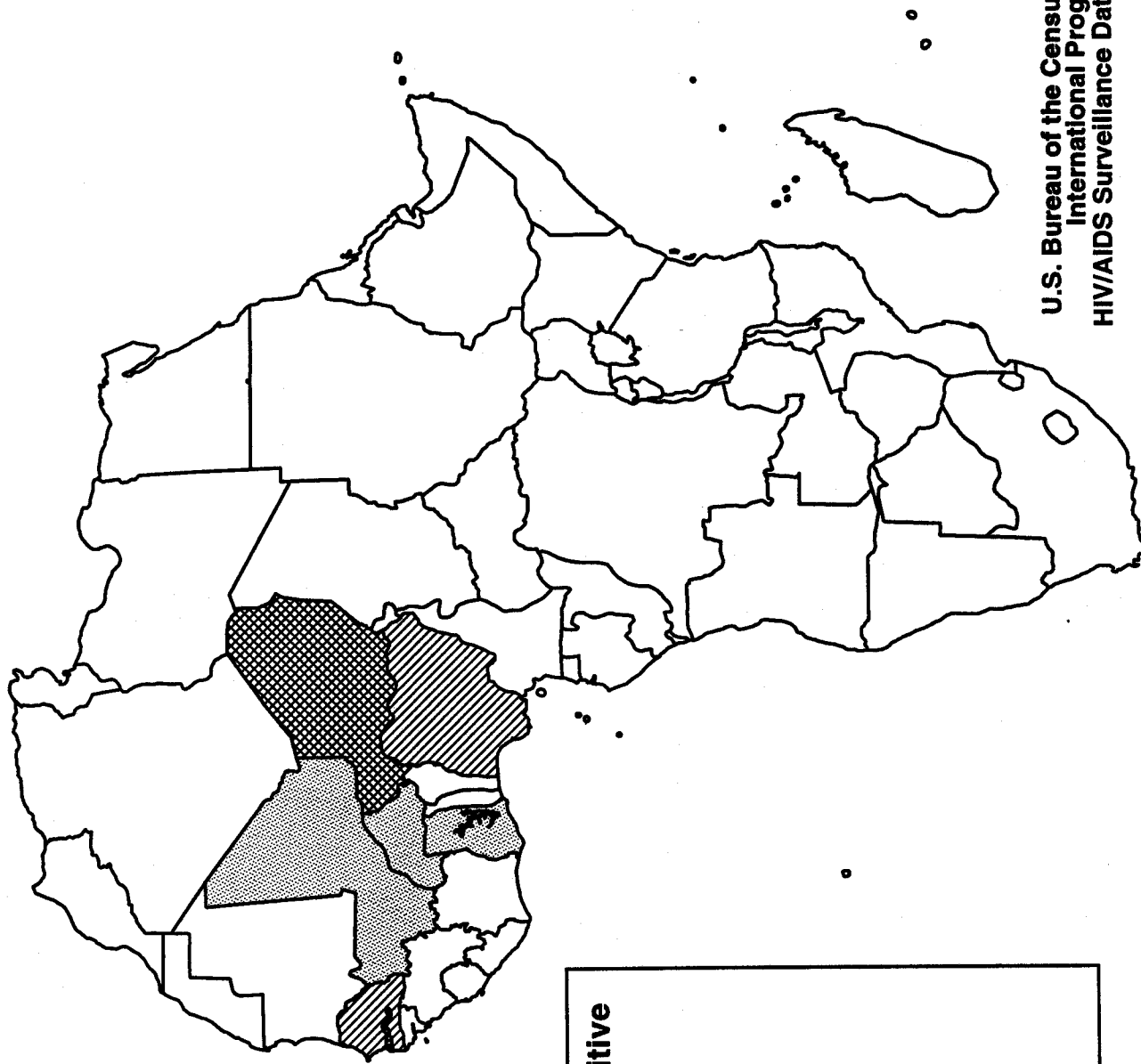
U.S. Bureau of the Census, Population Division,
International Programs Center,
HIV/AIDS Surveillance Data Base, February 1999.

African HIV-1 Seroprevalence for Low-Risk Urban Populations



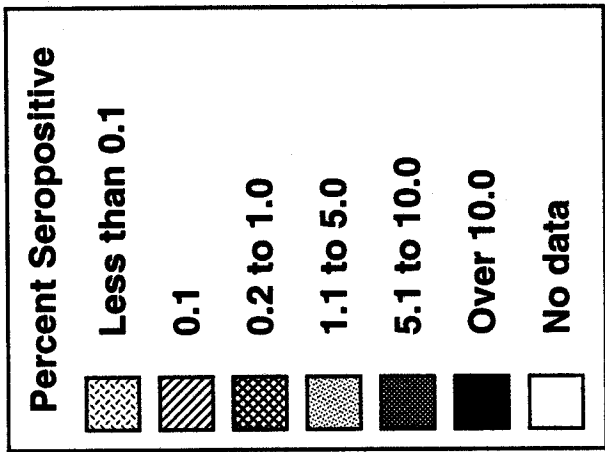
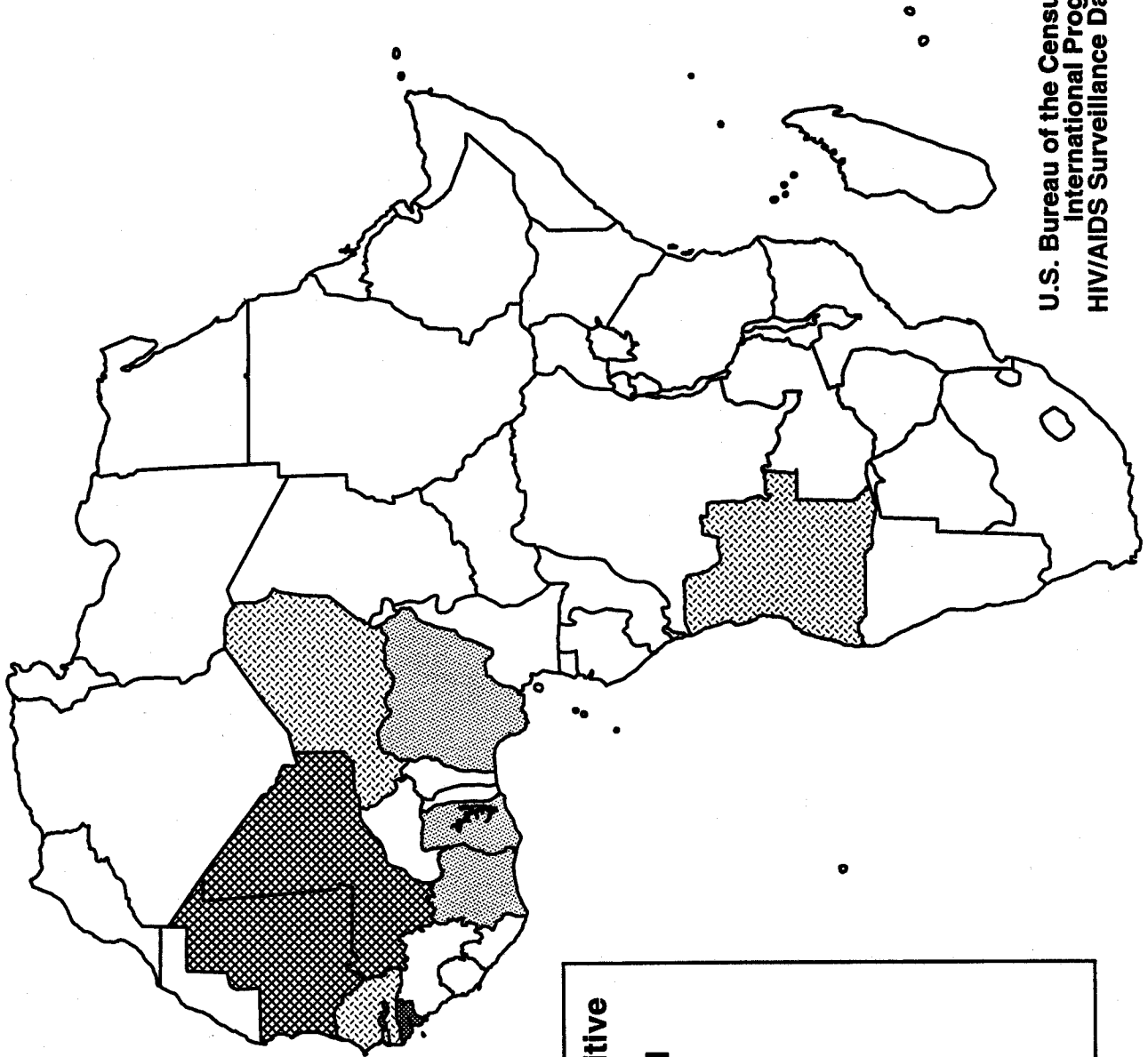
U.S. Bureau of the Census, Population Division,
International Programs Center,
HIV/AIDS Surveillance Data Base, February 1999.

African HIV-2 Seroprevalence for High-Risk Urban Populations

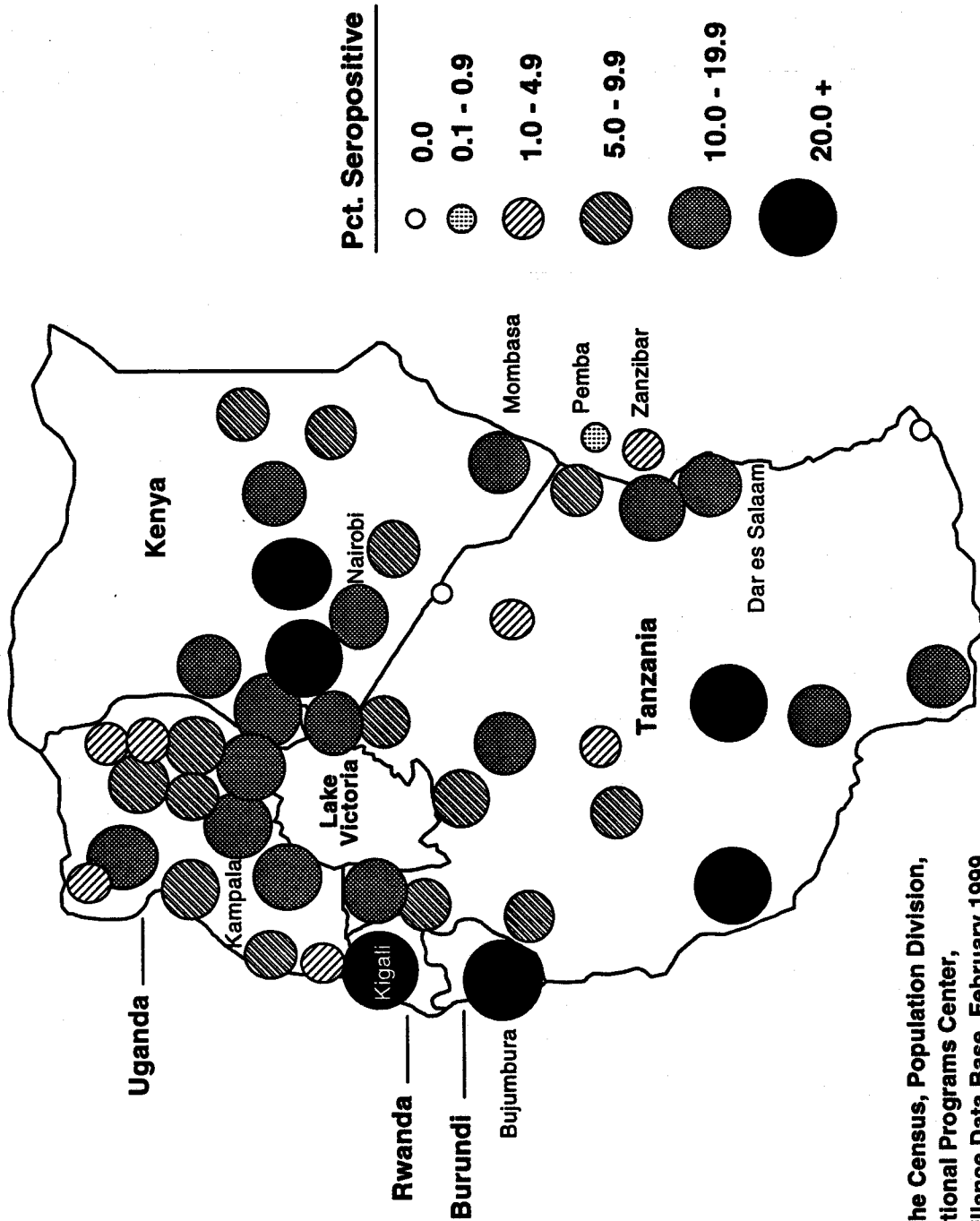


U.S. Bureau of the Census, Population Division,
International Programs Center,
HIV/AIDS Surveillance Data Base, February 1999.

African HIV-2 Seroprevalence for Low-Risk Urban Populations

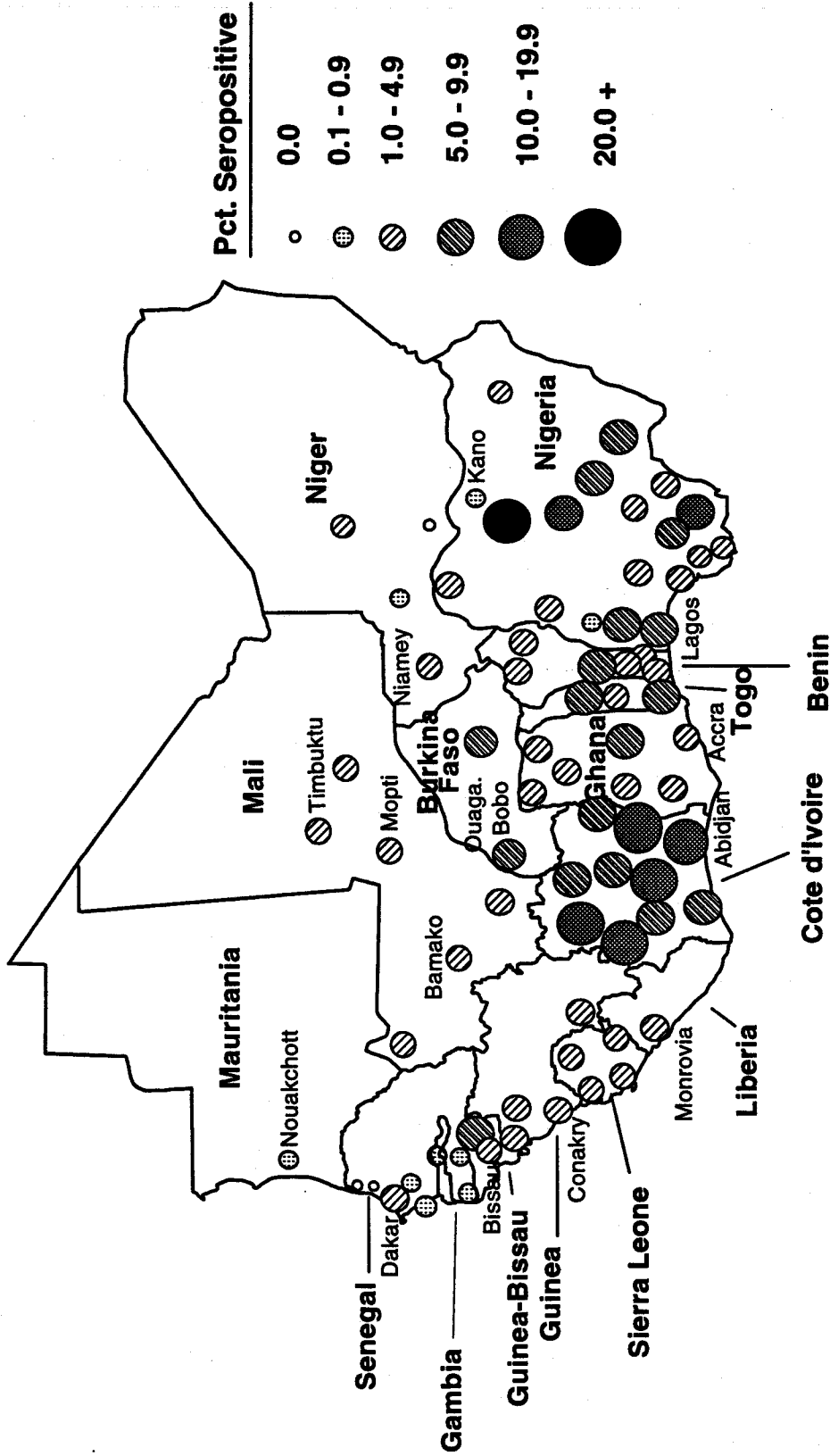


Seroprevalence of HIV-1 for Low-Risk Populations in East Africa



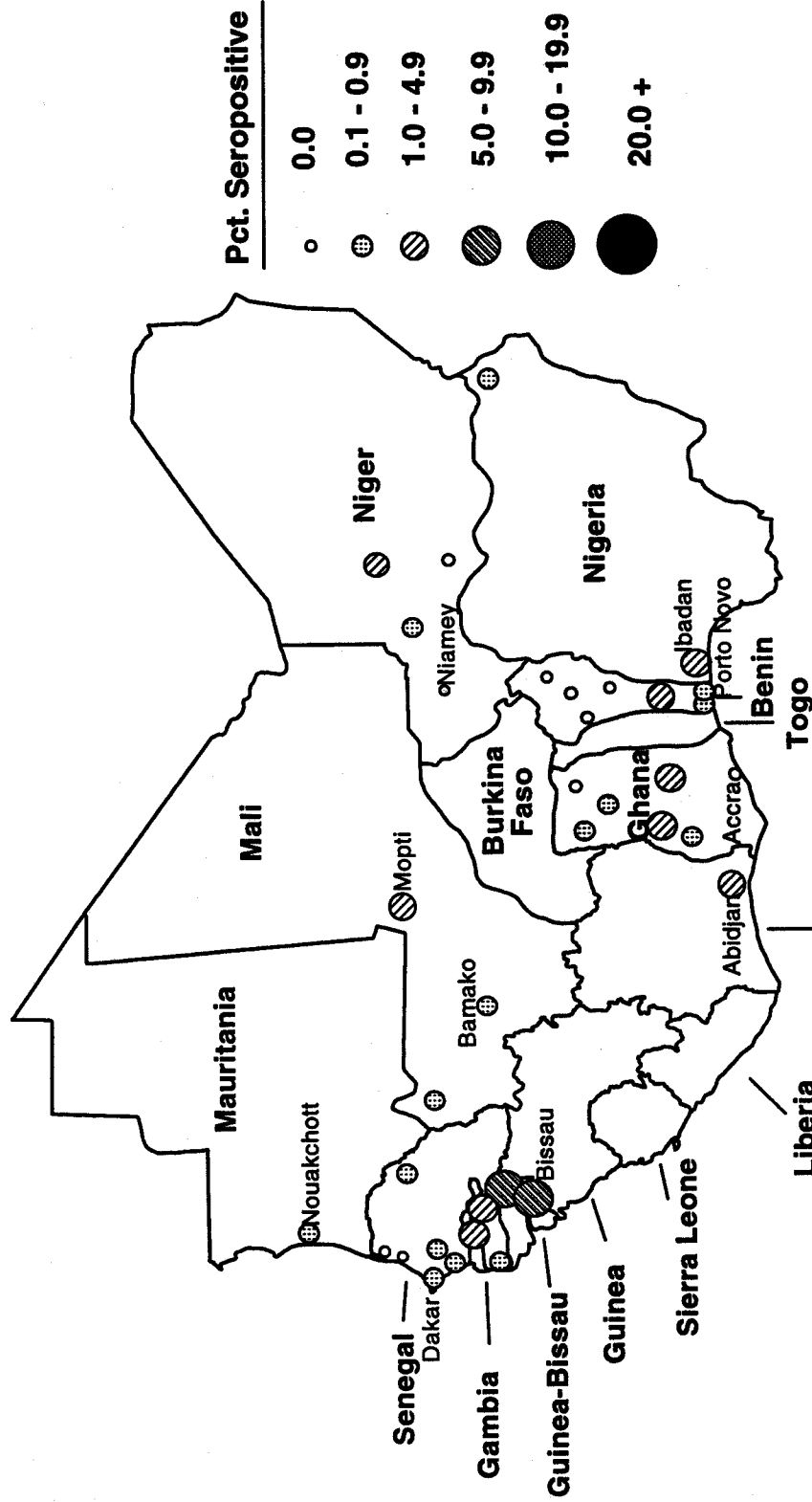
U.S Bureau of the Census, Population Division,
 International Programs Center,
 HIV/AIDS Surveillance Data Base, February 1999.

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



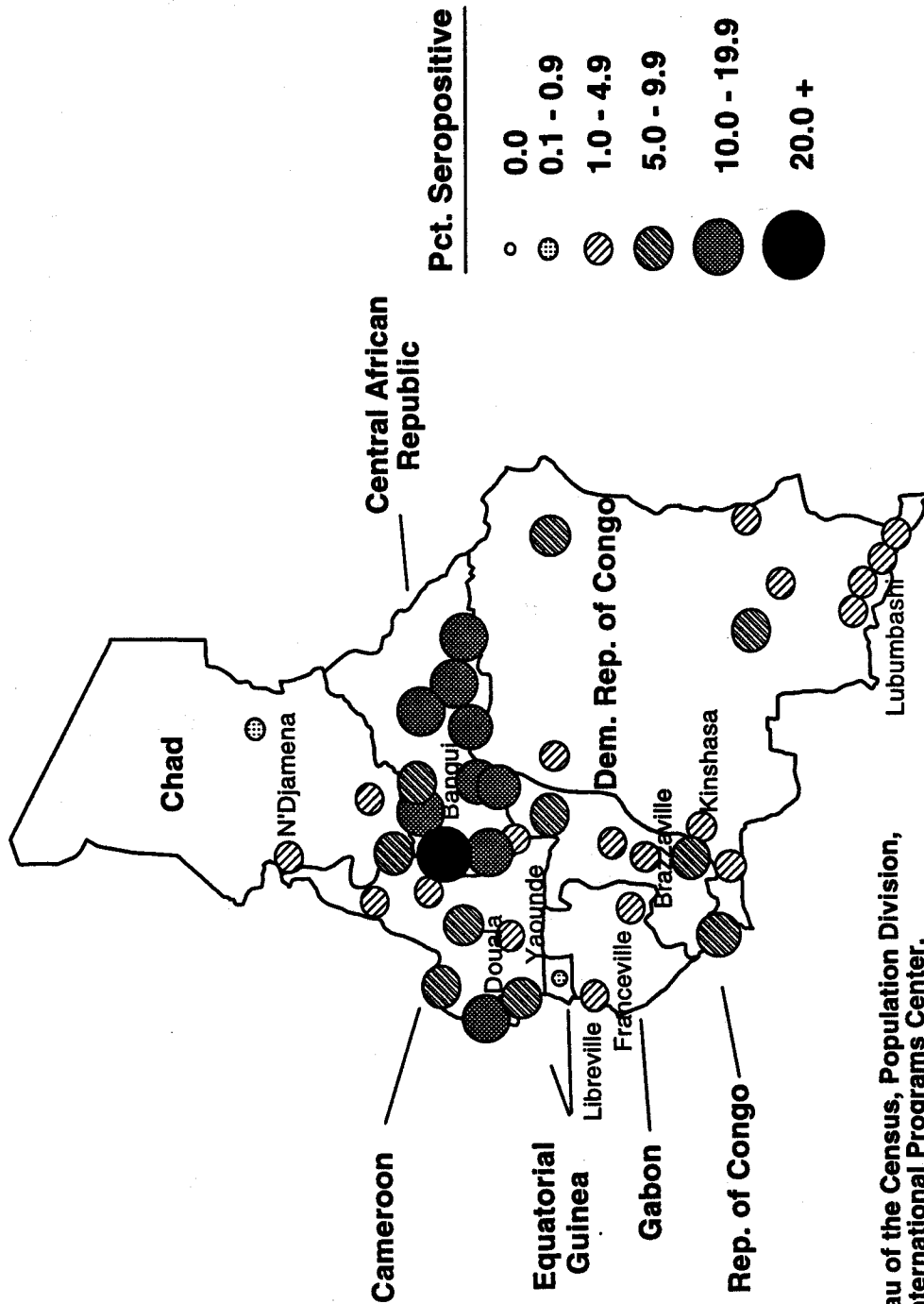
U.S. Bureau of the Census, Population Division,
 International Programs Center,
 HIV/AIDS Surveillance Data Base, February 1999.

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



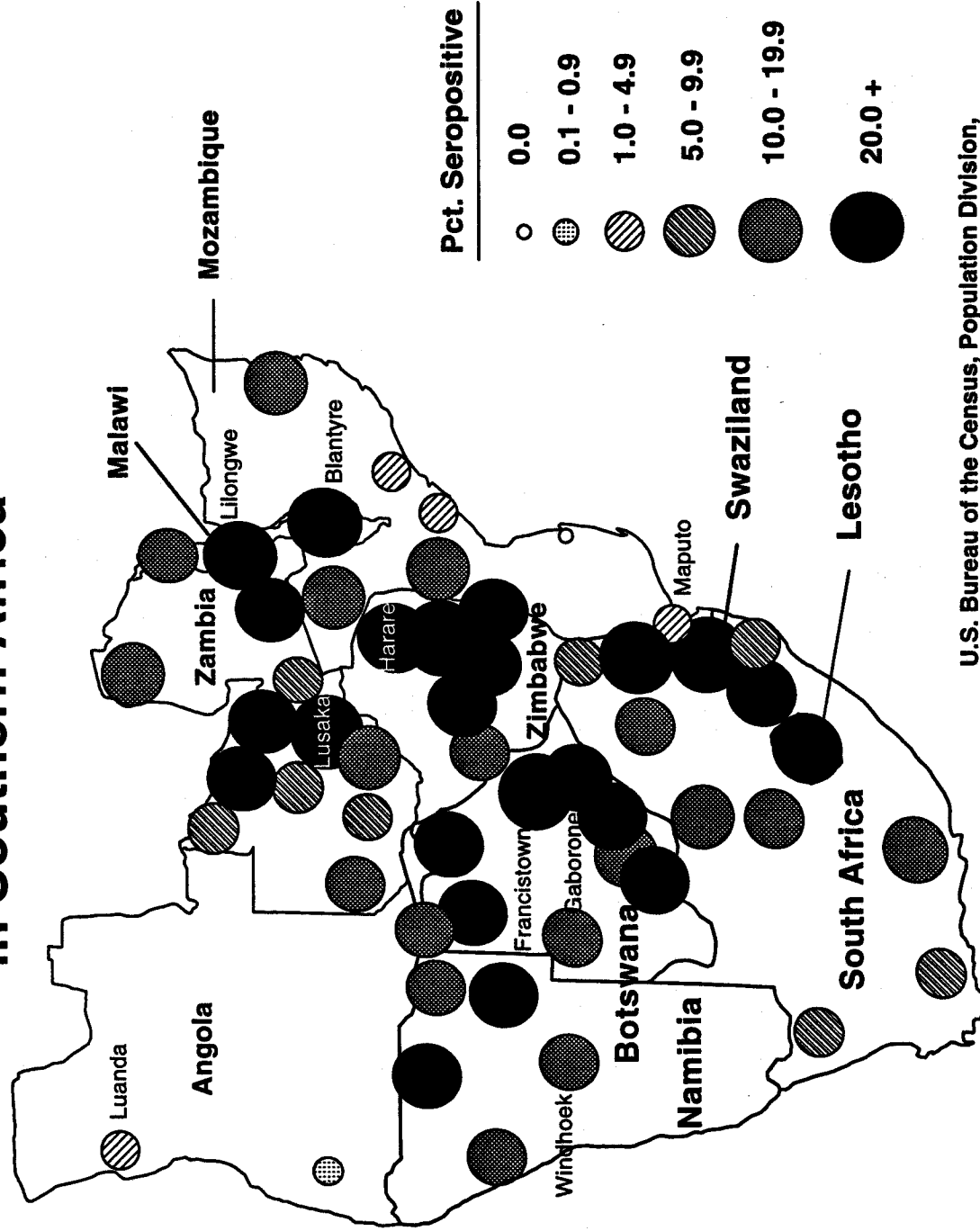
U.S. Bureau of the Census, Population Division,
International Programs Center,
HIV/AIDS Surveillance Data Base, February 1999.

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



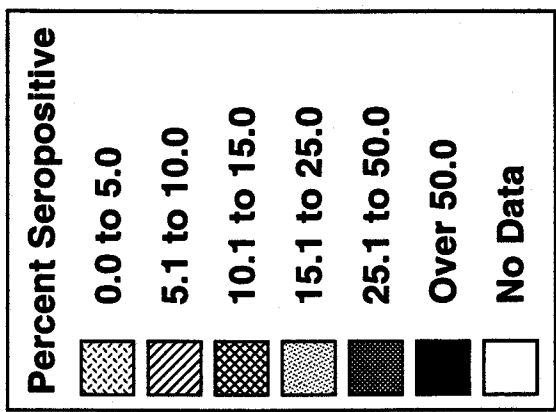
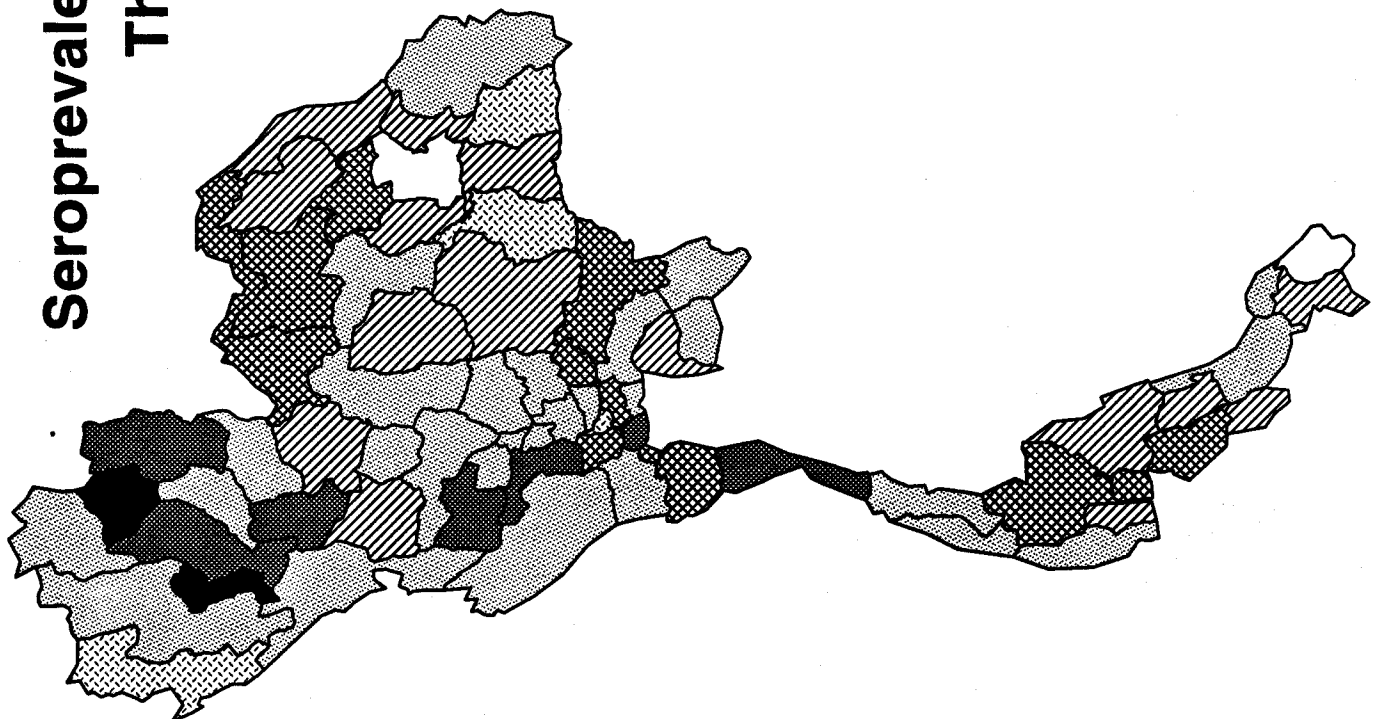
U.S. Bureau of the Census, Population Division,
International Programs Center,
HIV/AIDS Surveillance Data Base, February 1999.

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



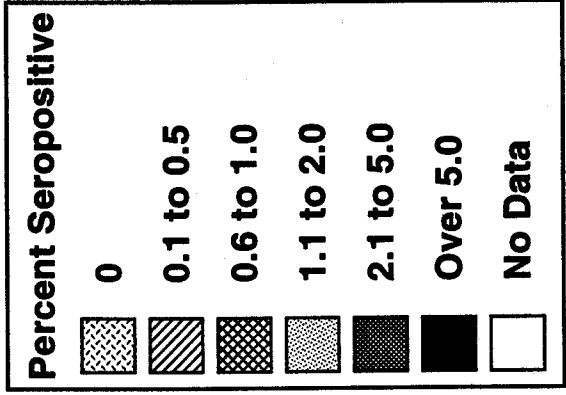
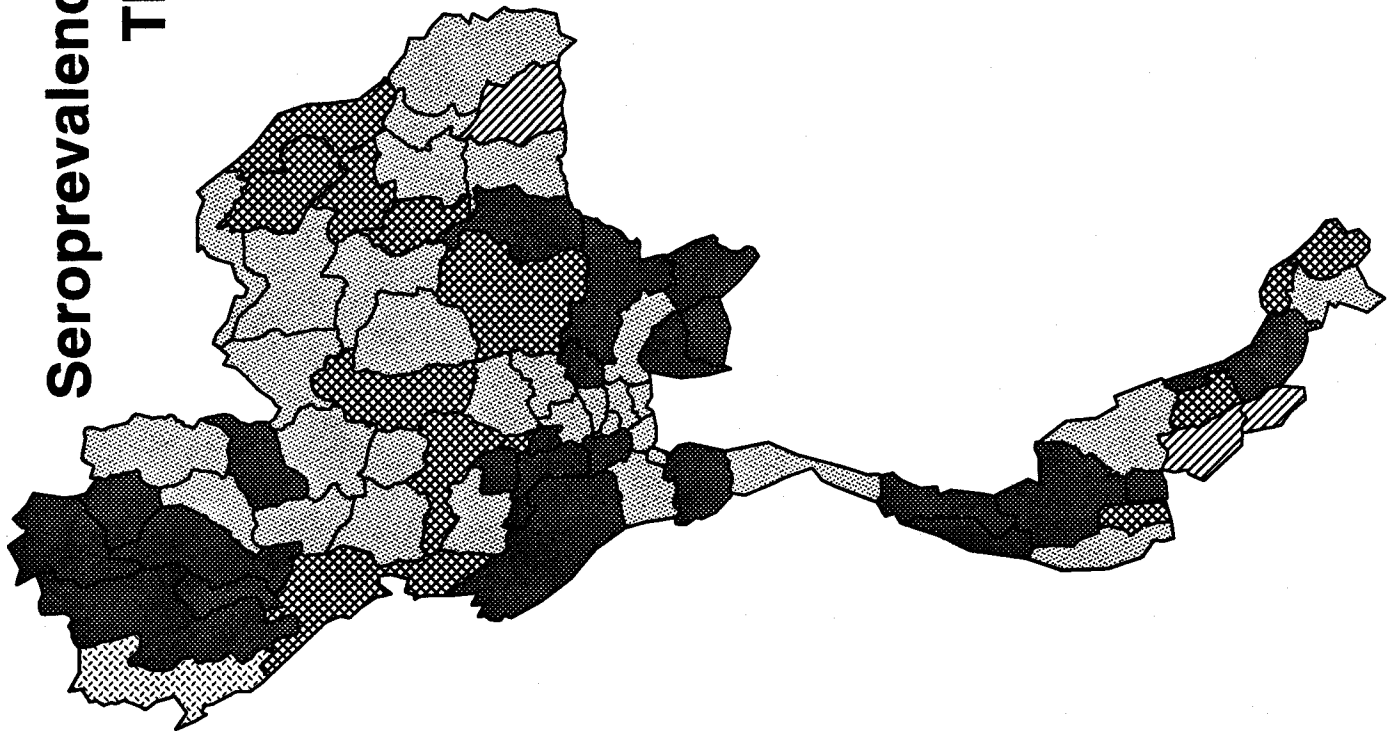
U.S. Bureau of the Census, Population Division,
International Programs Center,
HIV/AIDS Surveillance Data Base, February 1999.

Seroprevalence of HIV-1 for Prostitutes Thailand: June 1997



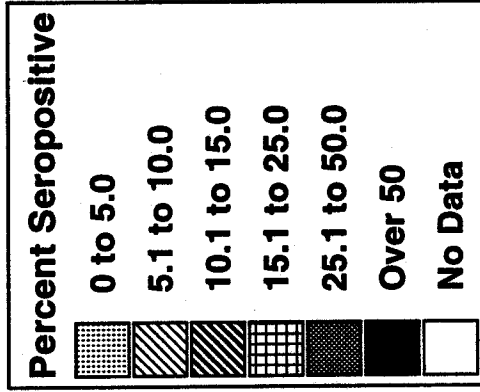
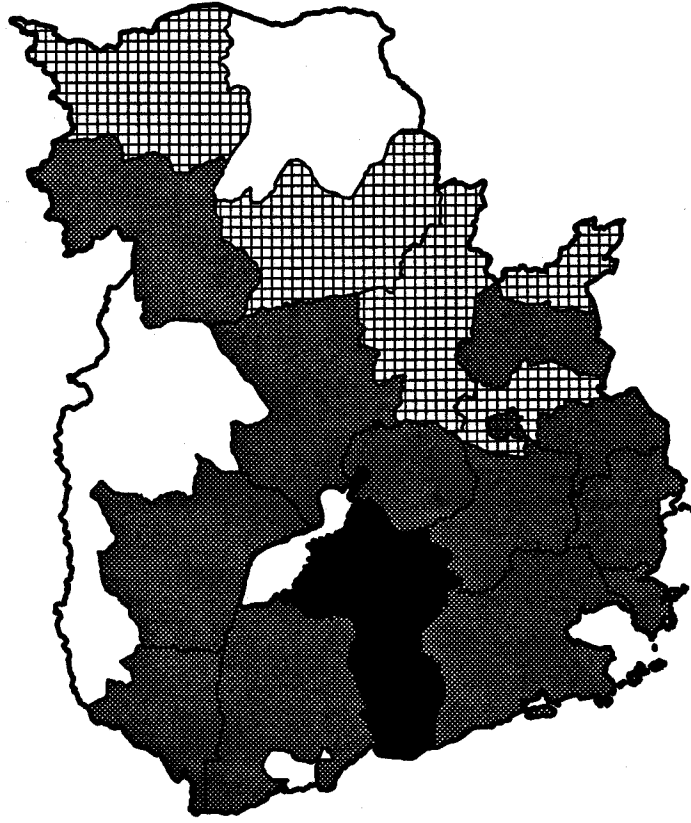
U.S. Bureau of the Census, Population Division,
International Programs Center,
HIV/AIDS Surveillance Data Base, February 1999.

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



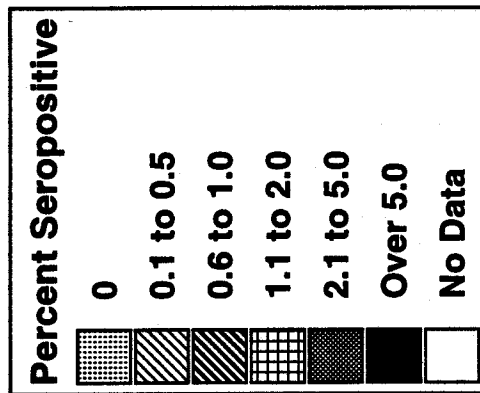
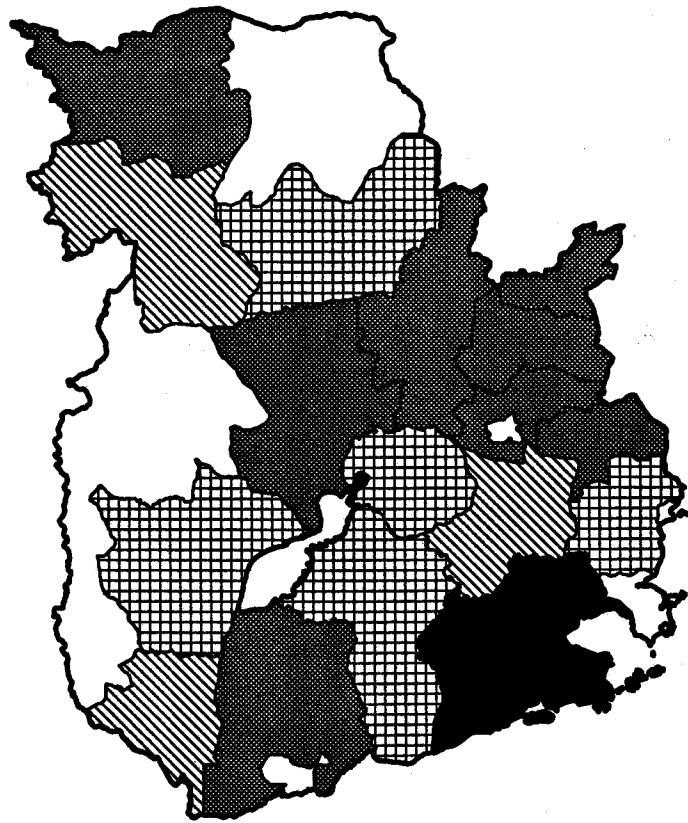
U.S. Bureau of the Census, Population Division,
International Programs Center,
HIV/AIDS Surveillance Data Base, February 1999.

HIV Seroprevalence among Prostitutes in Cambodia: 1998



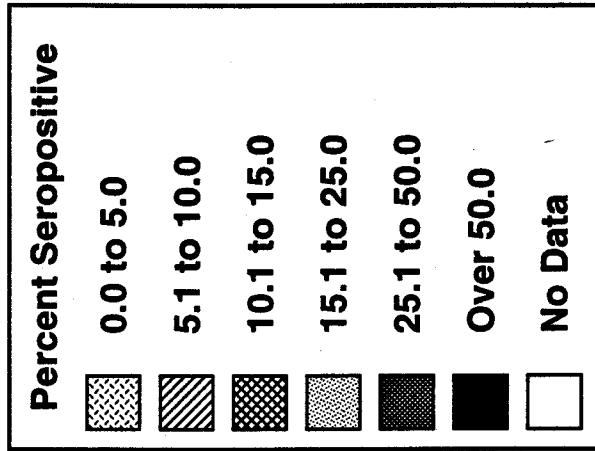
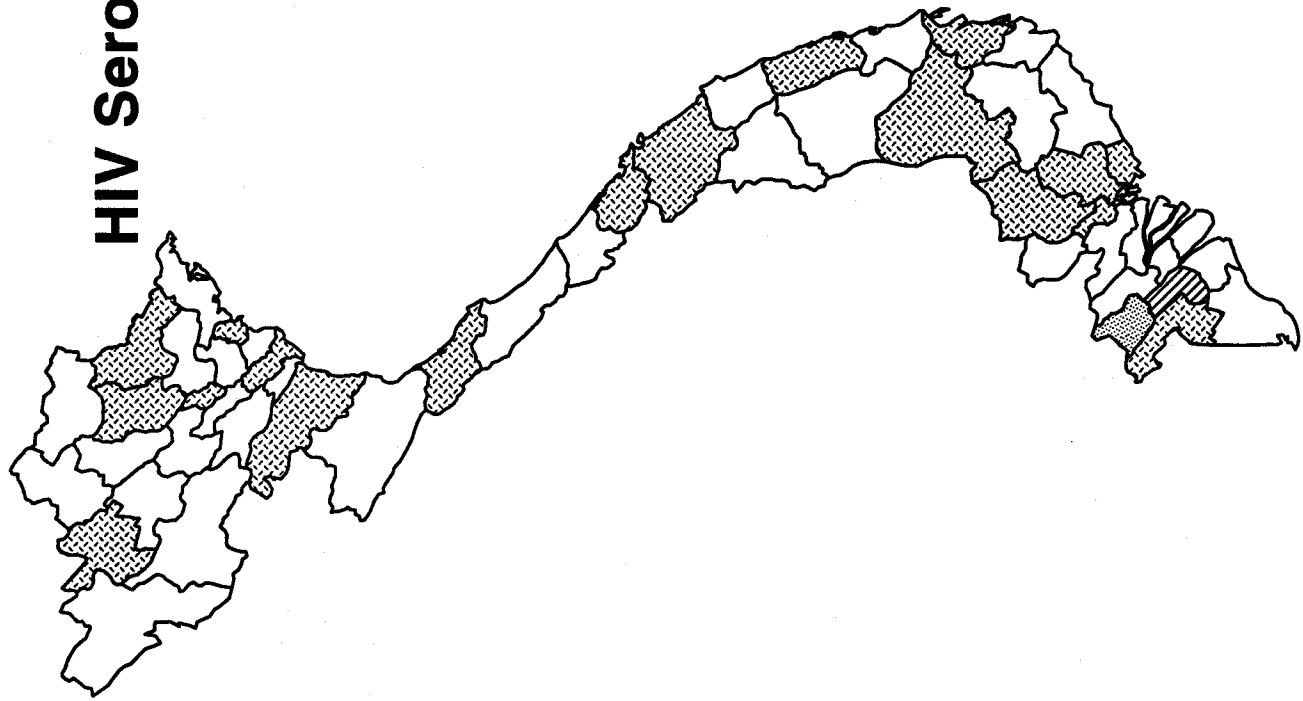
U.S. Bureau of the Census, Population Division,
International Programs Center,
HIV/AIDS Surveillance Data Base, February 1999.

HIV Seroprevalence among Married Women of Reproductive Age in Cambodia: 1998



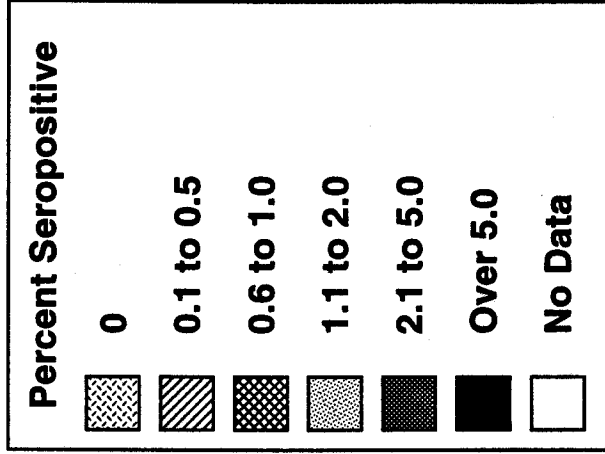
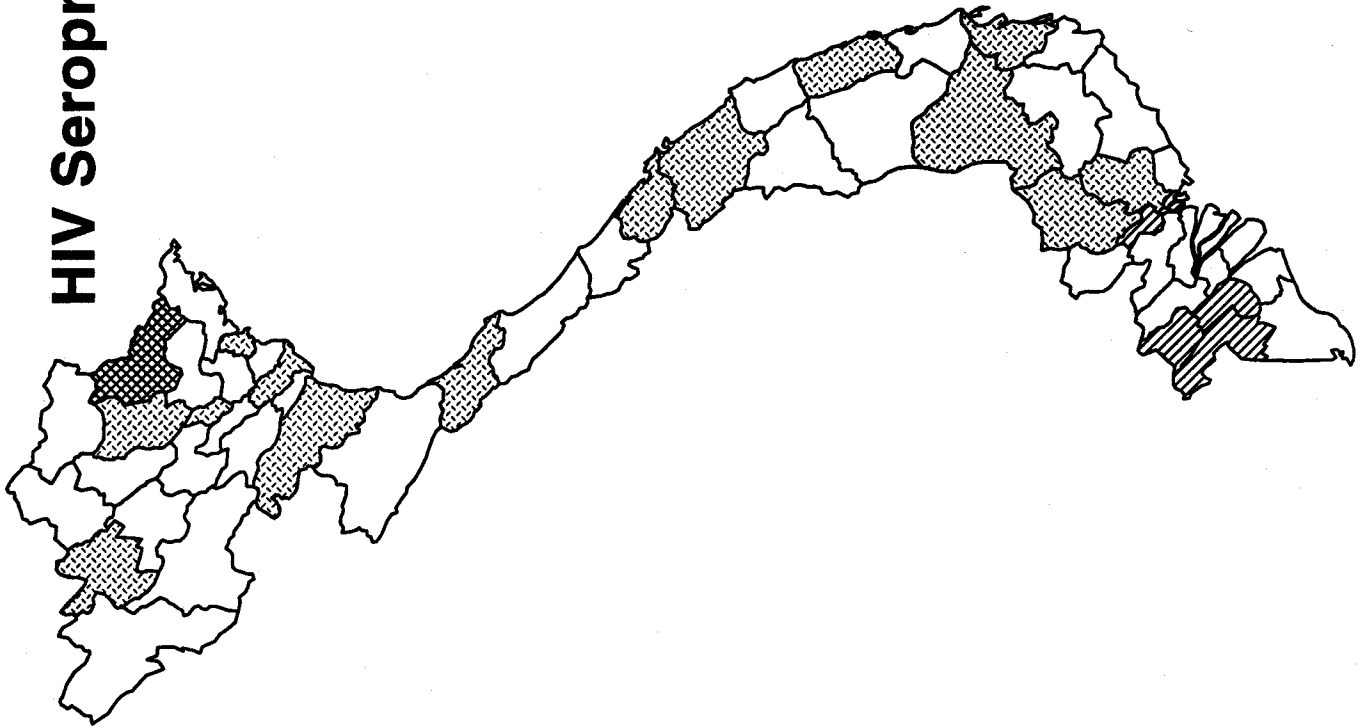
U.S. Bureau of the Census, Population Division,
International Programs Center,
HIV/AIDS Surveillance Data Base, February 1999.

HIV Seroprevalence among Prostitutes Vietnam: 1998



U.S. Bureau of the Census, Population Division,
International Programs Center,
HIV/AIDS Surveillance Data Base, February 1999.

HIV Seroprevalence among Pregnant Women Vietnam: 1998



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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 1998

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	27.0	50.3	18.1	-	D0232	R0180	M0579	
Sudan	4.5 b	6.6	-	-	M0554	M0554		
Swaziland	26.3 b	35.2	26.5	42.6	S0412	S0412	S0412	S0412
Tanzania	13.7	24.4 b	16.6 bc	34.3 b	M0473	M0563	T0160	R0090
Togo	6.8	78.9	4.6	7.3 b	T0177	B0020	T0177	M0375
Tunisia	-	-	-	-				
Uganda	14.7 bc	35.1 b	6.9 b	-	U0046	U0039	U0046	
Western Sahara	-	-	-	-				
Zambia	27.0	58.0	12.7	36.0	B0366	S0294	F0084	E0052
Zimbabwe	28.0	86.0	29.3	71.8	Z0076	M0433	Z0076	Z0061
ASIA AND OCEANIA								
Australia	.3 b	.4	-	-	K0245	N0222		
Bangladesh	.0	1.2 b	-	-	C0199	M0480		
Bhutan	.0	.0	-	-	B0313	B0313		
Burma	1.5	36.0	1.5	8.0	A0206	A0206	A0206	A0206
Cambodia	3.8	61.3	2.5	28.0	S0476	S0476	S0476	S0476
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	1.2	32.0	.8	12.2 b	A0216	E0068	D0238	S0427
Indonesia	.0	.2	-	-	U0040	F0104		
Iran	.0	.0 c	.0	.0	R0155	E0055	R0155	I0041
Japan	.0	19.4	-	-	S0467	I0045		
Jordan	.0	.0	-	-	E0061	E0061		
Kiribati	.1	-	-	-	O0063			
Korea, South	.8	.0	-	-	W0112	S0301		
Kuwait	-	.0	-	-		O0097		
Laos	.4	1.2	-	-	L0262	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	20.4	-	2.0	W0128	S0464		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

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Table 1: Estimates of HIV-1 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1998

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	56.8 a	5.7	-	M0543	L0257	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	51.9	8.1 b	-	A0195	D0183	K0283	
Djibouti	2.4	28.2	-	-	B0362	B0362		
Egypt	.0	.3	.0	-	M0498	F0092	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	72.6 a	3.0 a	-	G0198	M0558	G0198	
Guinea	1.5 b	36.6	1.4 b	-	N0215	B0271	N0215	
* Guinea-Bissau	2.6 a	-	3.4	-	N0209		C0265	
Kenya	15.9	53.5	9.1 b	33.6	J0070	M0577	J0069	N0194
Lesotho	31.1 b	35.6	8.7 b	16.2	L0235	M0515	L0235	L0227
Liberia	4.0	28.7 b	-	-	L0214	E0064		
Libya	-	7.0	-	-		E0063		
Madagascar	.1	.3	.4	1.0	R0143	R0143	R0173	R0173
Malawi	30.8	70.4	12.4	-	D0234	K0233	D0234	
* 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	-	-	-	-				
Mayotte	-	-	-	-				
Morocco	.2	1.4	-	-	R0099	M0470		
* Mozambique	2.7	7.6 b	1.5 a	-	N0195	D0194	C0183	
Namibia	18.1	18.2 b	10.3	-	N0226	E0051	M0488	
* Niger	1.3 a	23.6 a	1.7 a	33.6 a	M0394	H0141	O0093	A0212
* Nigeria	6.7 a	30.5 a	2.3	60.6 a	O0089	E0059	N0220	E0059
Reunion	-	-	-	-				
Rwanda	32.7	54.5	10.2	13.2	N0188	G0225	N0188	G0225
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		

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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 1998

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
St. Vincent & Grenadines	.2	1.4 c	-	-	S0235	S0234 S0235 S0236		
Trinidad & Tobago	1.0 b	13.5 b	-	-	L0234	T0162		
Uruguay	.1 c	24.4 c	-	-	B0373 B0374 B0376 B0378	B0373 B0374 B0376 B0378 B0373 B0374 B0376 B0378		
		.5 c						
Venezuela	.0	6.1 b	.0	-	P0203	E0024	P0203	
EUROPE								
Albania	.0	-	-	-	A0224			
Azerbaijan	.0	.3	-	-	A0223	A0223		
Belarus	.0	6.7	.0	66.8	B0380	B0380	B0380	B0365
Bulgaria	.0	.0	-	-	B0381	B0381		
Croatia	.0	1.0	-	-	C0285	C0285		
Czech Republic	.0	.2	-	-	C0286	M0556		
Estonia	.0	.0	-	-	E0066	E0066		
Hungary	.0	.0	-	-	H0148	U0051		
Kazakhstan	.0	-	-	-	K0297			
Kyrgyzstan	.0	-	-	-	K0298			
Latvia	.1	.1	-	-	L0266	L0266		
Lithuania	.0	.0	-	-	L0268	L0268		
Moldova	.0	1.3	-	-	M0581	M0581		
Poland	.0	45.9	-	38.0	P0206	P0206		A0208
Romania	.0	.5	-	-	R0187	R0187		
Russia	.0	.7	-	-	P0191	P0191		
Slovakia	.0	.0	-	-	S0477	S0477		
Slovenia	.0	1.5	-	-	S0461	K0279		
Ukraine	.0	0.6	.2	2.3	U0050	U0050	U0050	U0050
		3.1		22.2		U0050		U0050

- 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 (<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, 2/99 Update

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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 1998

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
Philippines	.0	.5	-	-	W0112	T0125		
Singapore	.0	3.7b	-	-	W0112	G0161		
Solomon Islands	.0	.0	-	-	W0112	O0063		
Sri Lanka	.0	.0	.0	.0 b	A0207	A0207	A0207	A0207
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	44.8	.0	7.0	Y0034	Y0034	Y0034	Y0034
		3.8		.5		Y0034		Y0034
Western Samoa	.0	-	-	-	W0112			
LATIN AMERICA/CARIBBEAN								
Argentina	2.8 b	19.4	1.1 b	28.6 b	M0179	B0030	T0183	T0183
Aruba	-	.0b	-	-		D0178		
Bahamas, The	3.6	18.4	-	-	B0179	B0179		
Barbados	1.1	-	-	-	P0200			
Belize	2.3	-	-	-	P0142			
Bolivia	.5	2.0b	-	-	Z0075	Z0075		
Brazil	2.6	6.0c	.6c	2.8 c	V0093	C0279	C0279	C0279
British Virgin Islands	2.8 b	-	-	-	B0206			
Cayman Islands	.0	-	-	-	G0123			
Chile	.1 b	3.0b	.0b	-	C0271	C0271	C0271	
Colombia	1.1	3.4	.4	.6	G0184	G0184	G0184	G0184
Costa Rica	.3	.9	.1	-	M0574	H0139	M0574	
Cuba	.0	.0	-	-	M0484	S0389		
Dominican Rep.	1.9 b	6.0	.0	9.7 b	R0184	R0185	R0185	D0239
Ecuador	.3	3.6	-	-	B0300	R0104		
El Salvador	.5	6.0	-	-	D0202	D0202		
Guatemala	.4	1.1	-	.8	C0251	C0251		C0250
Guyana	6.9	43.6	-	-	G0137	P0197		
Haiti	4.8	70.0b	4.8	-	C0268	K0205	C0284	
Honduras	4.1 b	20.5 b	1.4 b	-	M0495	M0495	M0495	
Jamaica	2.0	24.6	-	-	J0059	D0193		
Mexico	.1	1.0	-	-	L0238	S0468		
Nicaragua	-	.2	-	-		P0177		
Panama	.9	.3	-	-	G0263	G0263		
Peru	.5	5.0	-	-	A0188	G0209		
St. Kitts & Nevis	2.0 c	-	-	-	S0227			
					S0241			
					S0242			
St. Lucia	-	1.2 c	-	-		S0217		
						S0218		
						S0220		
						S0221		

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Table 3: Detailed Listing of Estimates of HIV-1 and 2 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1998

Region/ Country	Risk Geographic Area Area	Year	Sub-population	Sex Age	Prev. Rate	Sample Data Size Type	Test Type	Source ID
*AFRICA								
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	58.1b	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	31.7c	1305 HIV	UNK	N0199
	OH FOUR DISTRICTS	1997	STD PTS.	M ALL	39.2c	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	F ALL	56.8a	426 HIV1	ELISA,RAPID,LIA	L0257
	+UH2 OUAGA. & BOBO	1994	PROSTITUTES	F ALL	17.1a	426 HIV2	ELISA,RAPID,LIA	L0257
	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	3.4b	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	11.7c	697 HIV	ELISA*2	M0541
	UH BANGUI/2 SITES	1996	STD PTS.	F ALL	18.3c	349 HIV	ELISA*2	M0541
	OL BANGASSOU	1996	PREGNANT WOMEN	F ALL	15.3	261 HIV	ELISA*2	M0541
	OH BOUZOU	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	29.0b	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

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Table 2: Estimates of HIV-2 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1998

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								
* Angola	.0	-	.0	-	A0157		A0157	
* Burkina Faso	-	17.1 ^a	-	-		L0257		
* Cameroon	-	-	-	.0				Z0045
* Cote d'Ivoire	1.2 ^a	-	-	-	A0195			
* Gambia, The	1.2 ^a	26.7 ^a	-	-	O0083	H0117		
* Ghana	1.6 ^a	14.4 ^a	1.3 ^a	-	G0198	M0558	G0198	
* Guinea-Bissau	5.2 ^a	-	9.6	-	N0209		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	5.7 ^a	M0394	H0141	O0093	A0212
* 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
ASIA/OCEANIA								
* 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 (<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, 2/99 Update

Table 3: Detailed Listing of Estimates of HIV-1 and 2 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1998

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	2.6a	1493 HIV1	ELISA,WB	N0209
	UL2 BISSAU	1997	PREGNANT WOMEN	F ALL	5.2a	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	1996-97	PREGN. W. & FP CL. PTS	F ALL	15.9	1218 HIV1	ELISA	J0070
	+UH MOMBASA	1993-97	PROSTITUTES	F ALL	53.5	3639 HIV1	ELISA*2,WB	M0577
	+OL MOSORIOT(RURAL)	1997	PREGNANT WOMEN	F ALL	9.1b	N/A HIV	UNK	J0069
	OH KISUMU	1992	STD PTS.	B ALL	33.6	122 HIV	UNK	N0194
LESOTHO	UL MASERU	1994	PREGNANT WOMEN	F ALL	31.1b	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	8.7b	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 NOT SPECIFIED	1997	TESTING CTR ATTENDEES	B ALL	28.7b	N/A HIV	UNK	E0064
LIBYA	+UH THREE REGIONS	1997	VARIOUS GROUPS	B ALL	7.0	4474 HIV	UNK	E0063
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 ANTSIRANANA PR.	1996	PREGNANT WOMEN	F ALL	.4	529 HIV	ELISA,WB	R0173
	+OH ANTSIRANANA PR.	1996	PROSTITUTES	F ALL	1.0	491 HIV	ELISA,WB	R0173
MALAWI	+UL BLANTYRE	1997-98	PREGNANT WOMEN	F ALL	30.8	617 HIV	ELISA	D0234
	UH BLANTYRE	1995	STD CLINIC PTS.	B ALL	70.4	250 HIV	ELISA	K0233
	+OL SEVEN DIST./RUR	1997-98	PREGNANT WOMEN	F ALL	12.4	740 HIV	ELISA	D0234
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	M0331
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	7.6b	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

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Table 3: Detailed Listing of Estimates of HIV-1 and 2 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1998

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	1997	PROSTITUTES	F ALL	51.9	876 HIV	ELISA,WB	D0183
	+OL DALOA	1997	PREGNANT WOMEN	F ALL	8.1 b	N/A HIV1,2	ELISA*2,WB	K0283
DJIBOUTI	+UL NOT SPECIFIED	1998	BLOOD DONORS	B ALL	2.4	620 HIV	UNK	B0362
	+UH NOT SPECIFIED	1998	PROSTITUTES	F ALL	28.2	117 HIV	UNK	B0362
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/4S	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	72.6 a	368 HIV1	ELISA,RAPID,LIA	M0558
	+UH2 ACCRA	1997	PROSTITUTES	F ALL	14.4 a	368 HIV2	ELISA,RAPID,LIA	M0558
	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

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Table 3: Detailed Listing of Estimates of HIV-1 and 2 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1998

Region/ Country	Risk Geographic Area Area	Year	Sub-population	Sex Age	Prev. Rate	Sample Data Size Type	Test Type	Source ID
TANZANIA	UL DAR ES SALAAM	1995-96	PREGNANT WOMEN	F ALL	13.7	6525 HIV	ELISA,WB	M0473
	+UH DAR ES SALAAM	1997	STD PTS	F ALL	24.4 b	86 HIV	UNK	M0563
	OL MBEYA RG/6 RURAL	1995	PREGNANT WOMEN	F ALL	16.6 bc	N/A HIV	UNK	T0160
	OH MBEYA REGION	1992	STD PTS.	B ALL	34.3 b	N/A HIV	ELISA*2,WB	R0090
TOGO	+UL LOME	1997	PREGNANT WOMEN	F ALL	6.8	518 HIV	ELISA*2,RAPID	T0177
	UH LOME	1992	PROSTITUTES	F ALL	78.9	123 HIV1,2	ELISA	B0020
	+OL CENTRAL REGION	1997	PREGNANT WOMEN	F ALL	4.6	500 HIV	ELISA*2,RAPID	T0177
	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	1998(?)	PREGNANT WOMEN	F ALL	27.0	712 HIV	RAPID,ELISA	B0366
	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	1997	PREGNANT WOMEN	F ALL	28.0	601 HIV	UNK	Z0076
	UH HARARE	1994-95	PROSTITUTES	F ALL	86.0	147 HIV	ELISA	M0433
	+OL MAKONI(RURAL)	1997	PREGNANT WOMEN	F ALL	29.3	300 HIV	UNK	Z0076
	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 6 URBAN SITES	1997	HIGH RISK GROUPS	M ALL	.4	3211 HIV	UNK	N0222
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	1.5	200 HIV	ELISA,WB	A0206
	+UH MANDALAY	1997	PROSTITUTES	F ALL	36.0	100 HIV	ELISA,WB	A0206
	+OL BAMAW	1997	PREGNANT WOMEN	F ALL	1.5	200 HIV	ELISA,WB	A0206
	+OH MAGWAY	1997	STD PTS.	M ALL	8.0	100 HIV	ELISA,WB	A0206
CAMBODIA	+UL PHNOM PENH	1998	WOMEN	F ALL	3.8	400 HIV	RAPID,ELISA	S0476
	+UH PHNOM PENH	1998	PROSTITUTES - DIRECT	F ALL	61.3	150 HIV	RAPID,ELISA	S0476
	+OL 3 PROV./RURAL	1998	WOMEN	F ALL	2.5	1200 HIV	RAPID,ELISA	S0476
	+OH KAMPONG CHAM PR.	1998	PROSTITUTES - DIRECT	F ALL	28.0	150 HIV	RAPID,ELISA	S0476
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

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Region/ Country	Risk Geographic Area Area	Year	Sub-population	Sex Age	Prev. Rate	Sample Data Size Type	Test Type	Source ID
NAMIBIA	+UL RUNDU	1997	PREGNANT WOMEN	F ALL	18.1	249 HIV	ELISA*2	N0226
	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
	+OH DIRKOU	1994	PROSTITUTES	F ALL	33.6a	122 HIV1	ELISA,RAPID	A0212
+OH2 DIRKOU	1994	PROSTITUTES	F ALL	5.7a	122 HIV2	ELISA,RAPID	A0212	
NIGERIA	UL IBADAN	1995	PREGNANT WOMEN	F ALL	6.7a	314 HIV1	ELISA*2,WB	O0089
	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 BENUE STATE	1995-96	PREGNANT WOMEN	F ALL	2.3	400 HIV	ELISA*2,RAPID	N0220
	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	N0188
	+UH KIGALI	1996	STD PTS.	B ALL	54.5	301 HIV	UNK	G0225
	OL NYAGATARE	1996	PREGNANT WOMEN	F ALL	10.2	186 HIV	UNK	N0188
	+OH RULI(RURAL)	1996	STD PTS.	B ALL	13.2	295 HIV	UNK	G0225
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 DURBAN	1997	PREGNANT WOMEN	F ALL	27.0	3351 HIV	UNK	D0232
	+UH NATAL/KWAZULU ML	1996-97	PROSTITUTES	F ALL	50.3	145 HIV	UNK	R0180
	+OL NORTH WEST PROV.	1997	PREGNANT WOMEN	F ALL	18.1	1526 HIV	ELISA*2	M0579
SUDAN	+UL KHARTOUM	1996	PREGNANT WOMEN	F ALL	4.5b	N/A HIV	UNK	M0554
	+UH JUBA	1994	STD PTS.	B ALL	6.6	333 HIV	UNK	M0554
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

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Region/ Country	Risk Geographic Area Area	Year	Sub-population	Sex Age	Prev. Rate	Sample Data Size Type	Test Type	Source ID
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
NEPAL	UL KATHMANDU	1992	PREGNANT WOMEN	F ALL	.0	346 HIV	UNK	W0128
	+UH KATHMANDU	1998(?)	PROSTITUTES	F ALL	20.4	103 HIV	UNK	S0464
	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 MEWAK & GOROKA	1992	STD PTS.	B ALL	.0c	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	3.7b	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

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CHINA, MAINLAND	UL 16 CITIES	1997(?)	PREGNANT WOMEN	F ALL	.0	8596 HIV	ELISA*2,WB	F0097
	UH RUILI	1995	IVDU	B ALL	73.2b	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
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	O0063
GUAM	UL NATIONAL	1994	BLOOD DONORS - VOL.	B ALL	.1	1260 HIV	UNK	W0112
INDIA	+UL MUMBAI (BOMBAY)	1997	PREGNANT WOMEN	F ALL	1.2	12352 HIV	ELISA	A0216
	+UH MUMBAI (BOMBAY)	1998(?)	STD PTS.	M ALL	32.0	362 HIV	UNK	E0068
	UH2 MUMBAI (BOMBAY)	1995	STD PTS.	M ALL	7.0a	300 HIV2	ELISA,RAPID,WB	B0287
	+OL SILIGURI	1998	PREGNANT WOMEN	F ALL	.8	400 HIV	ELISA,RAPID,WB	D0238
	OH NAGPUR	1997	STD PTS.	B 20+	12.2b	N/A HIV	ELISA*2	S0427
INDONESIA	UL SEVERAL PROVINCE	1995-96	PREGNANT WOMEN	F ALL	.0	10998 HIV	ELISA,WB	U0040
	+UH BALI PROVINCE	1997	PROSTITUTES	F ALL	.2	600 HIV	ELISA,WB	F0104
IRAN	UL TEHRAN	1993	PREGNANT WOMEN	F ALL	.0	334 HIV	ELISA*2	R0155
	UH TEHRAN/2 SITES	1994	STD PTS.	B ALL	.0c	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 30 PREFECTURES	1996	PREGNANT WOMEN	F ALL	.0	112815 HIV	UNK	S0467
	+UH TOKYO	1996	HOMOSEXUALS	M ALL	19.4	165 HIV	RAPID,ELISA,WB	I0045
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	O0063
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
KUWAIT	+UH KUWAIT	1996-97	STD PTS.	M ALL	.0	2584 HIV	ELISA	O0097
LAOS	+UL VIENTIANE	1996	PREGNANT WOMEN	F ALL	.4	502 HIV	ELISA,WB	L0262
	UH VIENTIANE	1990-93	PROSTITUTES	F ALL	1.2	257 HIV	ELISA,WB	P0122

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*EUROPE ALBANIA	+UL	NATIONAL	1996	BLOOD DONATIONS- ADULT	B	ALL	.0	18692	HIV1	UNK	A0224
AZERBAIJAN	+UL	BAKU	1996	BLOOD DONORS - ADULT	B	ALL	.0	10754	HIV1	UNK	A0223
	+UH	BAKU	1996	STD PTS.	B	ALL	.3	376	HIV1	UNK	A0223
BELARUS	+UL	MINSK CITY	1996	BLOOD DONATIONS	B	ALL	.0	113372	HIV1	UNK	B0380
	+UH	NATIONAL	1996	ADULT DRUG USERS	B	ALL	6.7	8364	HIV1	UNK	B0380
	+OL	GOMEL REGION	1996	BLOOD DONATIONS	B	ALL	.0	32461	HIV1	UNK	B0380
	+OH	SVETLOGORSK	1997	IVDU	B	ALL	66.8	202	HIV	UNK	B0365
BULGARIA	+UL	NATIONAL	1993	ADULT PREGNANT WOMEN	F	ALL	.0	39797	HIV1	UNK	B0381
	+UH	NATIONAL	1993	STD PTS.	B	ALL	.0	1863	HIV1	UNK	B0381
CROATIA	+UL	NATIONAL	1996	BLOOD DONATIONS	B	ALL	.0	160721	HIV1	UNK	C0285
	+UH	NATIONAL	1995	DRUG USERS	B	ALL	1.1	353	HIV1	UNK	C0285
CZECH REPUBLIC	+UL	NATIONAL	1996	ADULT PREGNANT WOMEN	F	ALL	.0	128424	HIV1	UNK	C0286
	+UH	PRAGUE	1996-97	DRUG USERS	B	ALL	.2	617	HIV1	ELISA, WB	M0556
ESTONIA	+UL	NATIONAL	1996	BLOOD DONATIONS- ADULT	B	ALL	.0	49166	HIV1	UNK	E0066
	+UH	NATIONAL	1996	ADULT STD PTS.	B	ALL	.0	3359	HIV1	UNK	E0066
HUNGARY	+UL	NATIONAL	1996	ADULT PREGNANT WOMEN	F	ALL	.0	4710	HIV1	UNK	H0148
	+UH	NOT SPECIFIED	1997	IVDU	B	ALL	.0	180	HIV	UNK	U0051
KAZAKHSTAN	+UL	NATIONAL	1996	BLOOD DONATIONS- ADULT	B	ALL	.0	443955	HIV1	UNK	K0297
KYRGYZSTAN	+UL	NATIONAL	1996	ADULT PREGNANT WOMEN	F	ALL	.0	25769	HIV1	UNK	K0298
LATVIA	+UL	NATIONAL	1996	ADULT PREGNANT WOMEN	F	ALL	.1	1633	HIV1	UNK	L0266
	+UH	NATIONAL	1996	STD PTS.	B	ALL	.1	22672	HIV1	UNK	L0266
LITHUANIA	+UL	VILNIUS REGION	1996	BLOOD DONATIONS	B	ALL	.0	42348	HIV1	UNK	L0268
	+UH	VILNIUS REGION	1996	STD PTS.	B	ALL	.0	7800	HIV1	UNK	L0268
MOLDOVA	+UL	NATIONAL	1995	ADULT PREGNANT WOMEN	F	ALL	.0	14112	HIV1	UNK	M0581
	+UH	NATIONAL	1996	DRUG USERS	B	ALL	1.3	3676	HIV1	UNK	M0581
POLAND	+UL	NATIONAL	1996	ADULT BLOOD DONOR- NEW	B	ALL	.0	156777	HIV1	UNK	P0206
	+UH	WARSAW REGION	1993	ADULT DRUG USERS	B	ALL	45.9	205	HIV1	UNK	P0206
	+OH	UPPER SILESIA	1996	IVDU	B	ALL	38.0	623	HIV	UNK	A0208
ROMANIA	+UL	NATIONAL	1996	BLOOD DONATIONS	B	ALL	.0	373289	HIV1	UNK	R0187
	+UH	NATIONAL	1996	ADULT STD PTS.	B	ALL	.5	3849	HIV1	UNK	R0187
RUSSIA	+UL	NOT SPECIFIED	1997	PREGNANT WOMEN	F	ALL	.0	2831597	HIV	UNK	P0191
	+UH	NOT SPECIFIED	1997	IVDU	B	ALL	.7	175248	HIV	UNK	P0191
SLOVAKIA	+UL	NATIONAL	1995	ADULT PREGNANT WOMEN	F	ALL	.0	15974	HIV1	UNK	S0477
	+UH	NATIONAL	1996	STD PTS.	B	ALL	.0	2079	HIV1	UNK	S0477
SLOVENIA	+UL	LJUBLJANA REGION	1994	ADULT PREGNANT WOMEN	F	ALL	.0	3652	HIV1	UNK	S0461
	+UH	LJUBLJANA REGION	1997	HOMOSEXUALS	M	ALL	1.5	136	HIV1,2	ELISA*2, WB	K0279

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SRI LANKA	+UL	COLOMBO	1996	PREGNANT WOMEN	F ALL	.0	600	HIV	ELISA*2,RAPID,WB	A0207
	+UH	COLOMBO	1996	PROSTITUTES	F ALL	.0	100	HIV	ELISA*2,RAPID,WB	A0207
	+OL	RATNAPURA	1996	PREGNANT WOMEN	F ALL	.0	600	HIV	ELISA*2,RAPID,WB	A0207
	+OH	RATNAPURA	1996	PROSTITUTES	F ALL	.0b	57	HIV	ELISA*2,RAPID,WB	A0207
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	15.9c	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	.0b	42	HIV	UNK	W0112
VANUATU	UL	NATIONAL	1994	BLOOD DONORS	B ALL	.0	421	HIV	UNK	W0112
VIETNAM	+UL	HO CHI MINH	1998	PREGNANT WOMEN	F ALL	.2	1147	HIV	UNK	Y0034
	+UH	HO CHI MINH	1998	IVDU	B ALL	44.8	250	HIV	UNK	Y0034
	+UH	HO CHI MINH	1998	PROSTITUTES	F ALL	3.8	399	HIV	UNK	Y0034
	+OL	DONG NAI PROV.	1998	PREGNANT WOMEN	F ALL	.0	800	HIV	UNK	Y0034
	+OH	THAI NGUYEN	1998	IVDU	B ALL	7.0	427	HIV	UNK	Y0034
	+OH	NHA TRANG	1998	PROSTITUTES	F ALL	.5	208	HIV	UNK	Y0034
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
	+OL	GRANADERO BAIGOR	1995	PREGNANT WOMEN	F ALL	1.1b	N/A	HIV	ELISA,WB	T0183
	+OH	GRANADERO BAIGOR	1995	IVDU	M ALL	28.6b	N/A	HIV	ELISA,WB	T0183
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	NATIONAL	1996	PREGNANT WOMEN	F ALL	1.1	1012	HIV	UNK	P0200
BELIZE	UL	BELIZE DISTRICT	1995	PREGNANT WOMEN	F ALL	2.3	474	HIV	UNK	P0142
BOLIVIA	+UL	COCHABAMBA	1997	PREGNANT WOMEN	F ALL	.5	980	HIV	ELISA*2	Z0075
	+UH	COCHABAMBA	1997	STD PTS.	B ALL	2.0b	99	HIV	ELISA*2	Z0075

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Table 3: Detailed Listing of Estimates of HIV-1 and 2 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1998

Region/ Country	Risk Area	Geographic Area	Year	Sub-population	Sex Age	Prev. Rate	Sample Size	Data Type	Test Type	Source ID
UKRAINE	+UL	KIEV REGION	1996	PREGNANT WOMEN	F ALL	.0	4060	HIV1	UNK	U0050
	+UH	KIEV REGION	1996	STD PTS.	B ALL	0.6	4636	HIV1	UNK	U0050
	+UH	KIEV REGION	1996	DRUG USERS	B ALL	3.1	1607	HIV1	UNK	U0050
	+OL	NIKOLAIEV REGION	1996	PREGNANT WOMEN	F ALL	.2	7114	HIV1	UNK	U0050
	+OH	NIKOLAIEV REGION	1996	STD PTS.	B ALL	2.3	3876	HIV1	UNK	U0050
	+OH	NIKOLAIEV REGION	1996	DRUG USERS	B ALL	22.2	6906	HIV1	UNK	U0050

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, 2/99 Update

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