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RECENT HIV SEROPREVALENCE LEVELS BY COUNTRY: DECEMBER 1993

Health Studies Branch
Center for International Research
U.S. Bureau of the Census

Research Note
No. 11
December 1993

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Preface

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

This research note is the eleventh 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 Center for International Research 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, Lisa Gist, Anne Ryan, and Peggy Seybolt. Comments and questions regarding this study should be addressed to Karen Stanecki or Peter O. Way, Health Studies Branch, Center for International Research, U.S. Bureau of the Census, Washington, D.C. 20233-3700; telephone (301) 763-4086.

RECENT HIV SEROPREVALENCE LEVELS BY COUNTRY: December 1993

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Recent HIV Seroprevalence Levels by Country: December 1993

Introduction

Since 1987, the Center for International Research of the 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 Agency for International Development.

The present semiannual update to the data base incorporates all available epidemiological information for developing countries presented at the **IXth International Conference on AIDS/IVth STD World Congress** held in Berlin, Germany, June 6-11, 1993. Also included is information obtained from the Pan American Health Organization. We also are regularly reviewing the scientific literature for relevant information. Currently, the ***HIV/AIDS Surveillance Data Base*** contains over 18,000 individual data records drawn from nearly 2,300 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 seroprevalence estimates for high and low-risk population groups in major cities and rural areas for all countries. Tables are provided for HIV-1 and HIV-2, where available. Urban data for Africa have been plotted on maps as well, showing the distribution by country. A section highlighting trends and patterns in HIV infection in pregnant women is also included. 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.

Center for
International Research

United States Bureau
of the Census

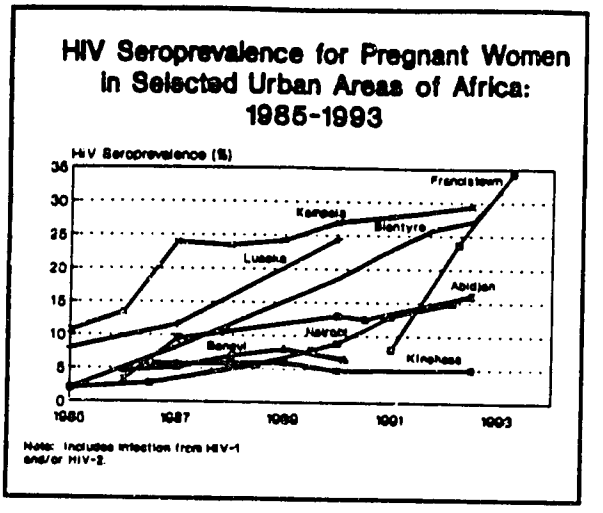
Overview of HIV Trends and Patterns in Pregnant Women

Worldwide, HIV transmission occurs principally through heterosexual contact, and women account for more than one-third of all known case of HIV infection. In addition, studies show that women, particularly adolescents, are at higher risk of infection than men due to greater biological and social vulnerability.

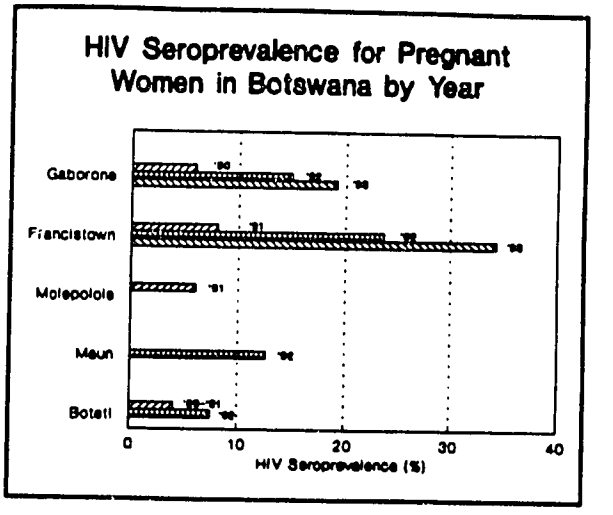
In Africa the level of HIV infection among women is equal if not greater than men. Latin America is seeing a shift from a majority of HIV infections among homosexual\bisexuals to IV drug users and infection through heterosexual contact. As more women are infected, the number of infected children increases. WHO now estimates that over one million children have become infected.

Pregnant women are an important population group for tracking the spread of HIV infection over time, and are increasingly being incorporated in HIV sentinel surveillance systems. In addition, samples of pregnant women are often used as surrogates for the general population. This is convenient, since in many countries women attend government clinics to receive antenatal care. To some extent, pregnant women can be considered to be at somewhat higher risk of infection than the general population, since they are sexually active. On the other hand, they are drawn from a limited age range, may be biased toward those in marital (formal or informal) unions, and tend to be younger than adult women in general, given typical age-specific fertility rate patterns. Nevertheless, in many countries, data on pregnant women provide the most representative picture of HIV infection in the general population.

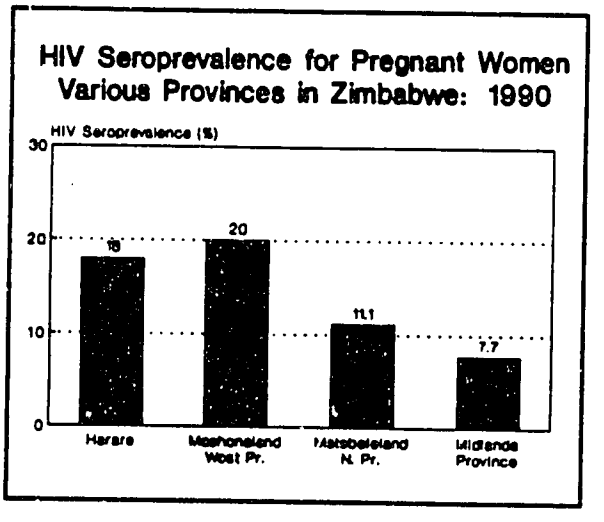
HIV has spread rapidly and extensively among pregnant women in many countries, while other countries have experienced slower increases. The purpose of this overview is to focus on the HIV trends and patterns among pregnant women in selected countries in Africa, Asia, and Latin America. This information is based on the available data from the ***HIV/AIDS Surveillance Database***. However, it is not possible to cover all of the studies that show trends and patterns in these regions or countries. Also, caution should be used in the interpretation of these results, since samples may be drawn in a less representative manner and small sample sizes may result in fluctuating values.



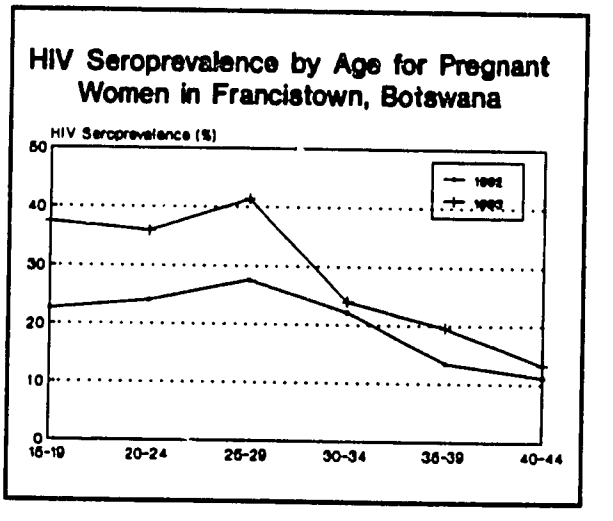
Since 1985, HIV seroprevalence studies have been conducted in many urban areas of Africa among pregnant women. These studies show a consistent and rapid increase in HIV levels for Kampala, Lusaka, and Blantyre. In contrast, Abidjan, Bangui, and Nairobi show a moderate increase in levels. Francistown shows a dramatic increase and Kinshasa remains relatively stable.



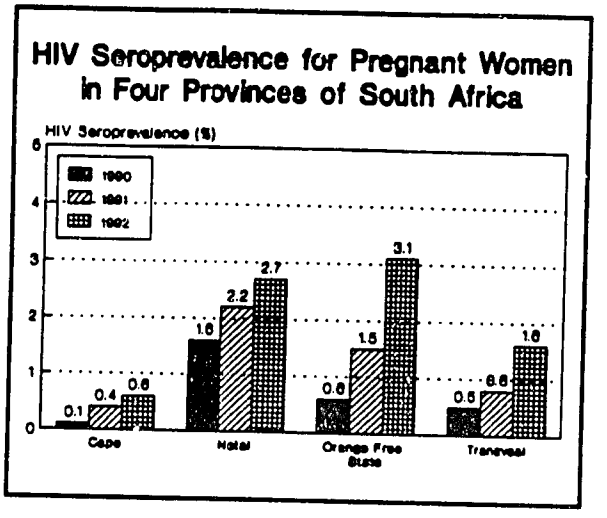
Studies on the HIV epidemic in Botswana are relatively recent. Sentinel surveillance and other studies show HIV levels to have doubled over a short period of time in the urban areas of Gaborone and Francistown, and in the rural area of Boteti. The HIV infection is not confined to the main urban/rural areas, but has spread to the semi-urban area of Molepolole and semi-rural area of Maun.



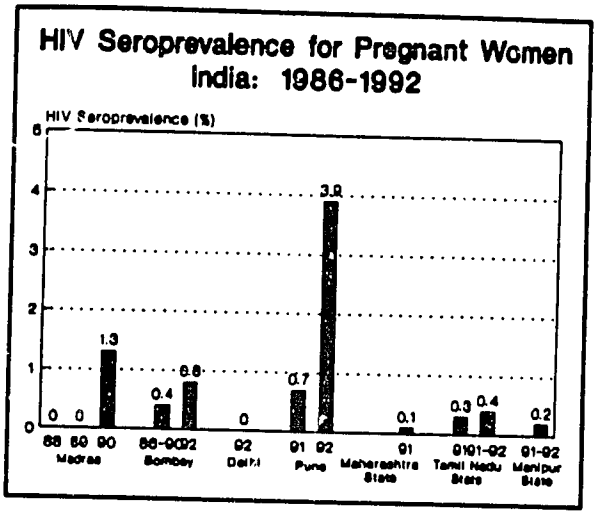
A study conducted at Harare Maternity Hospital and two municipal clinics reported that 18 percent of expectant mothers tested positive for the HIV virus. Another study found Mashonaland West province to have the highest level of HIV infection, 20 percent, in pregnant women.



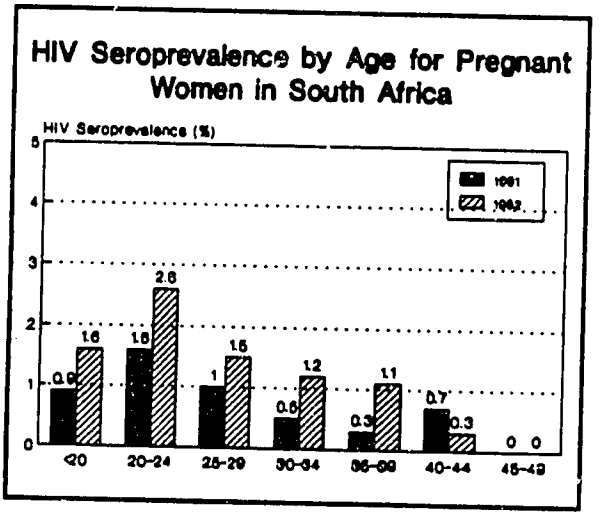
There has been an overall increase in the HIV seroprevalence levels in pregnant women of all ages in Francistown in a 1 year period. However, women under the age of 30 years have a most notable increase of HIV infection while those over the age of 30 increased only slightly.



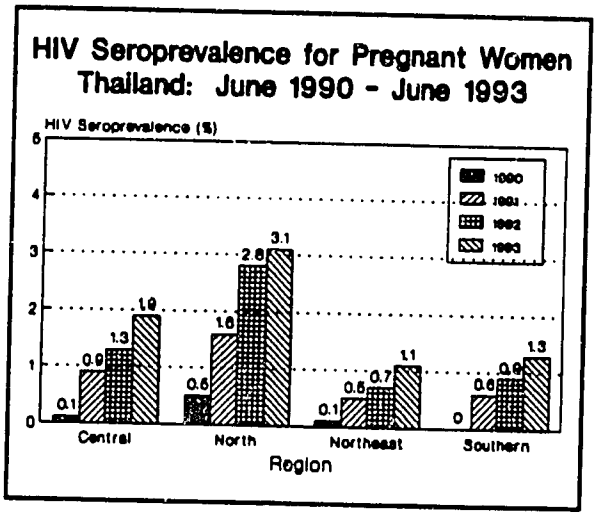
According to the national HIV seroprevalence survey among pregnant women conducted in four provinces of South Africa, data show an annual increase of HIV levels. Orange Free State shows a doubling for each year since 1990.



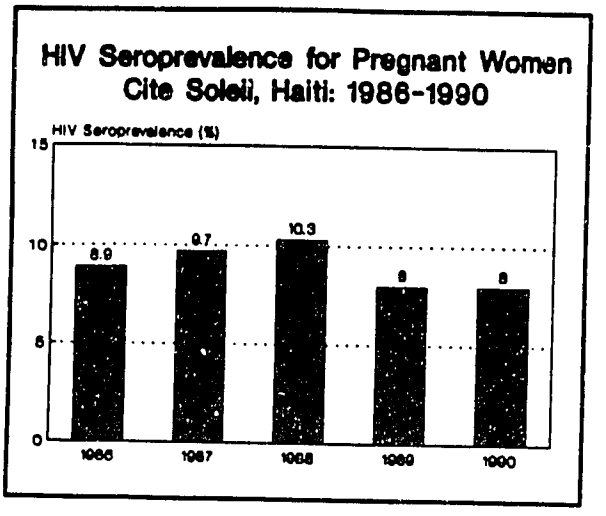
Among pregnant women in India, HIV infection levels range from 0 up to 3.9 percent. Studies in several areas show recent increases over past levels. However, the most dramatic increase was found in Pune.



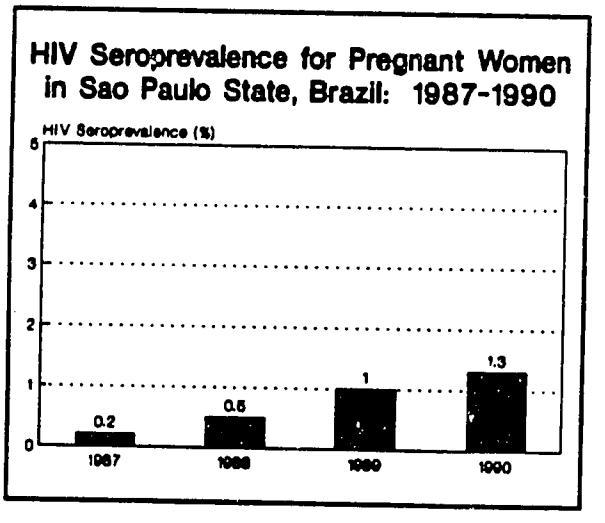
Data from the national HIV seroprevalence survey show an increase of HIV levels in all age groups except for women 40 years of age and over. The highest rate and the largest increase for the 2 year period was in the age range 20-24 years.



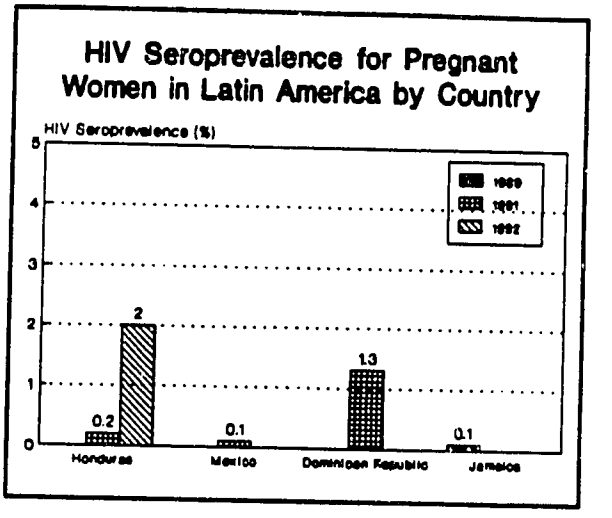
The situation in Thailand is changing very rapidly and dramatically. Based on the sentinel surveillance data, levels of HIV seroprevalence among pregnant women have increased in all regions. However, the highest levels are in the North Region where the HIV level is 3.1 percent in 1993.



In Cite Soleil, a low socioeconomic area near the capital of Haiti, data over the past 5 years show a flat epidemic. The variation seen over this time period is probably due to sample variation rather than to any actual difference over the years.



Available evidence shows the HIV infection in Brazil's urban areas increasing rapidly. In one area of Sao Paulo state, infection among pregnant women increased from 0.2 percent to 1.3 percent between 1987 and 1990. Infection levels in other urban areas are also increasing. Little information is available on infection levels among the less urbanized population.



Results from HIV prevalence studies conducted between 1989-1992 among pregnant women in Latin America suggest that between 0.1% and 2.0% are infected in different parts of the region. HIV prevalences of 0.2 in San Pedro and 2.0 in Tegucigalpa, Honduras; 1.3 in Santo Domingo, Dominican Republic; and 0.1 in Jamaica and Mexico.

There is now evidence that HIV infection among pregnant women has different epidemiological patterns in Africa, Asia, and Latin America. Nevertheless, most of the available epidemiological data indicate that the number of HIV infections among pregnant women are increasing in all three regions. Also, the results show that HIV seroprevalence levels are highest in the urban areas of the region but are spreading from these areas to rural areas.

Although the seroprevalence rates in Asia and Latin America are lower than in Africa, the levels of HIV infection among pregnant women are growing at an alarming rate. We have shown dramatic increases in Asia, Thailand, and India. In Africa the virus continues to spread with East Africa being most affected by HIV/AIDS.

In each of the developing regions not only are increasing numbers of women becoming infected, but, additionally, women represent an increasing proportion of those infected. Studies in numerous settings have shown men to be more likely to engage in high-risk sexual behavior than women. As a result, in the initial stages of epidemics, HIV transmission to men with multiple partners predominates. As epidemics mature and spread to the general population, increasing proportions of the new HIV infections occur to women. For many of these women, their only risk behavior has been monogamous sex with their spouse or regular partner.

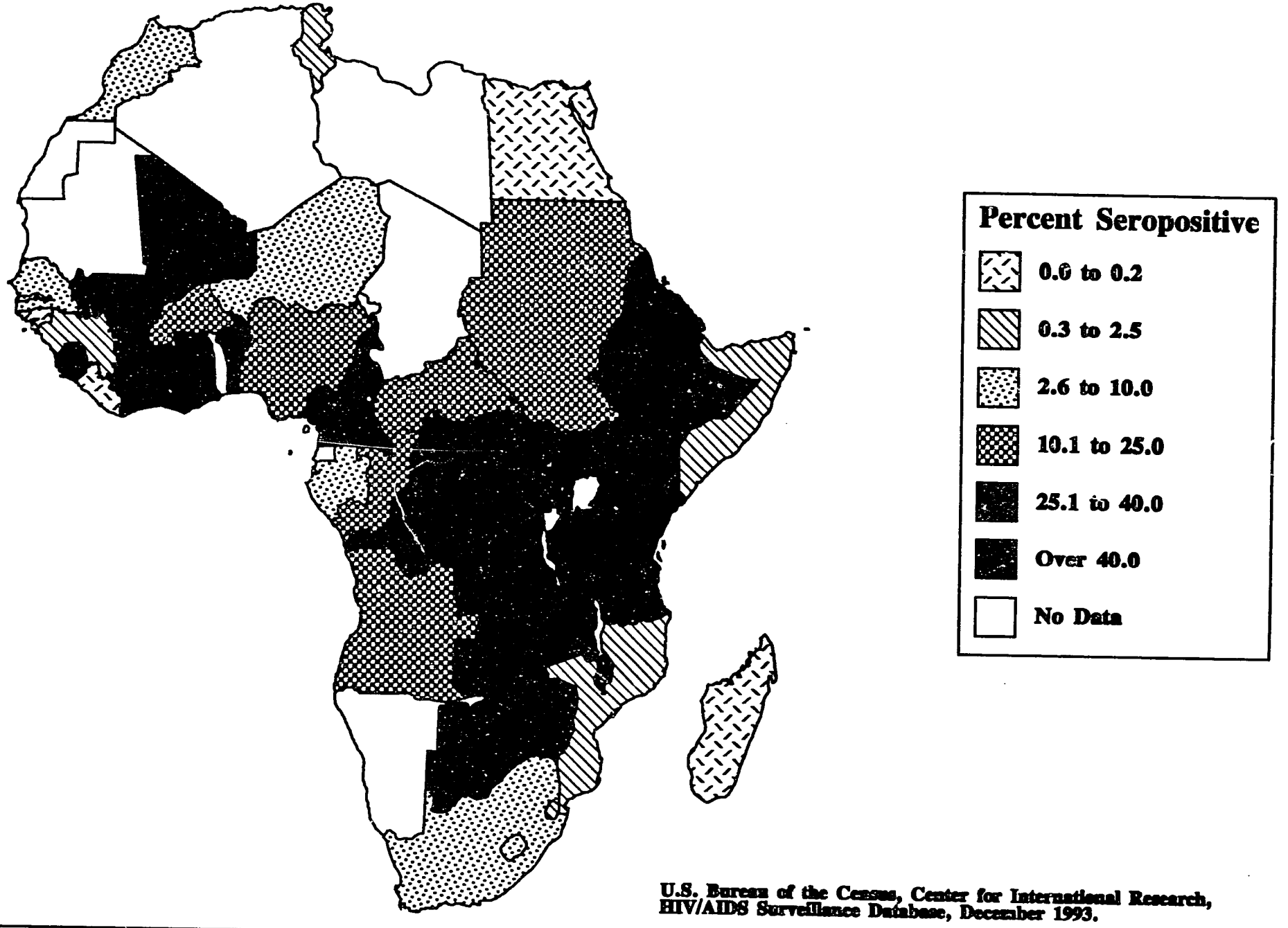
The social and biological vulnerability of women compounds this effect. For example, women may not be able to negotiate condom use with their partners, even though they may know or suspect that the partner has himself had other partners.

HIV/AIDS in women has important implications for the future. An increase in infection among women will result in increased orphanhood as well as HIV/AIDS among children, with increases in infant and child mortality.

Data from sentinel surveillance among pregnant women represents an important resource in monitoring the spread of HIV in the general population. In a broader sense, however, it also documents the growing tragedy of the global impact of HIV and AIDS.

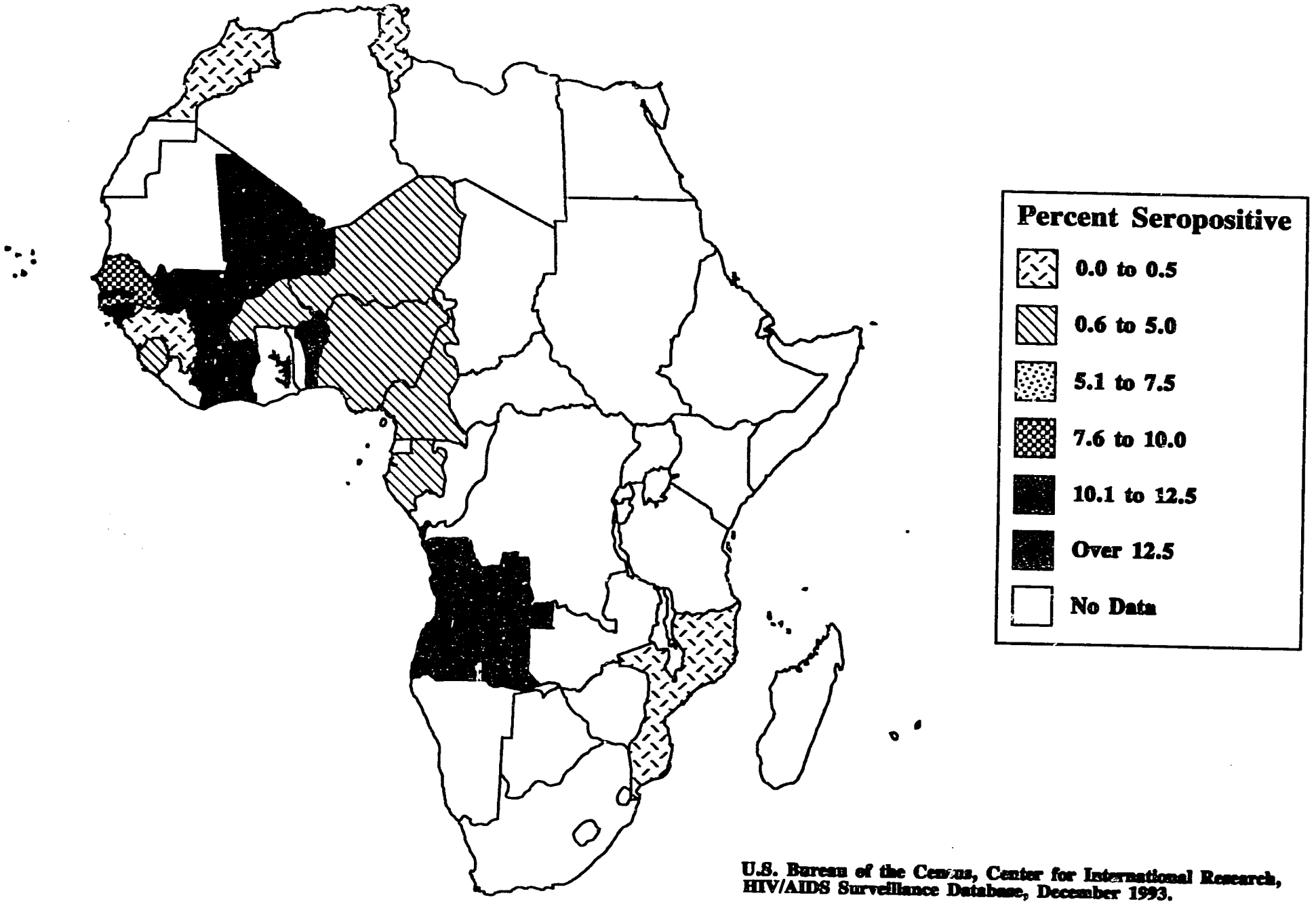
This report was prepared with funding support from the U.S. Agency for International Development. For more detailed information, contact Karen Stanecki or Peter O. Way, Center for International Research, U.S. Bureau of the Census, Washington, DC 20233-3700; telephone (301) 763-4086.

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



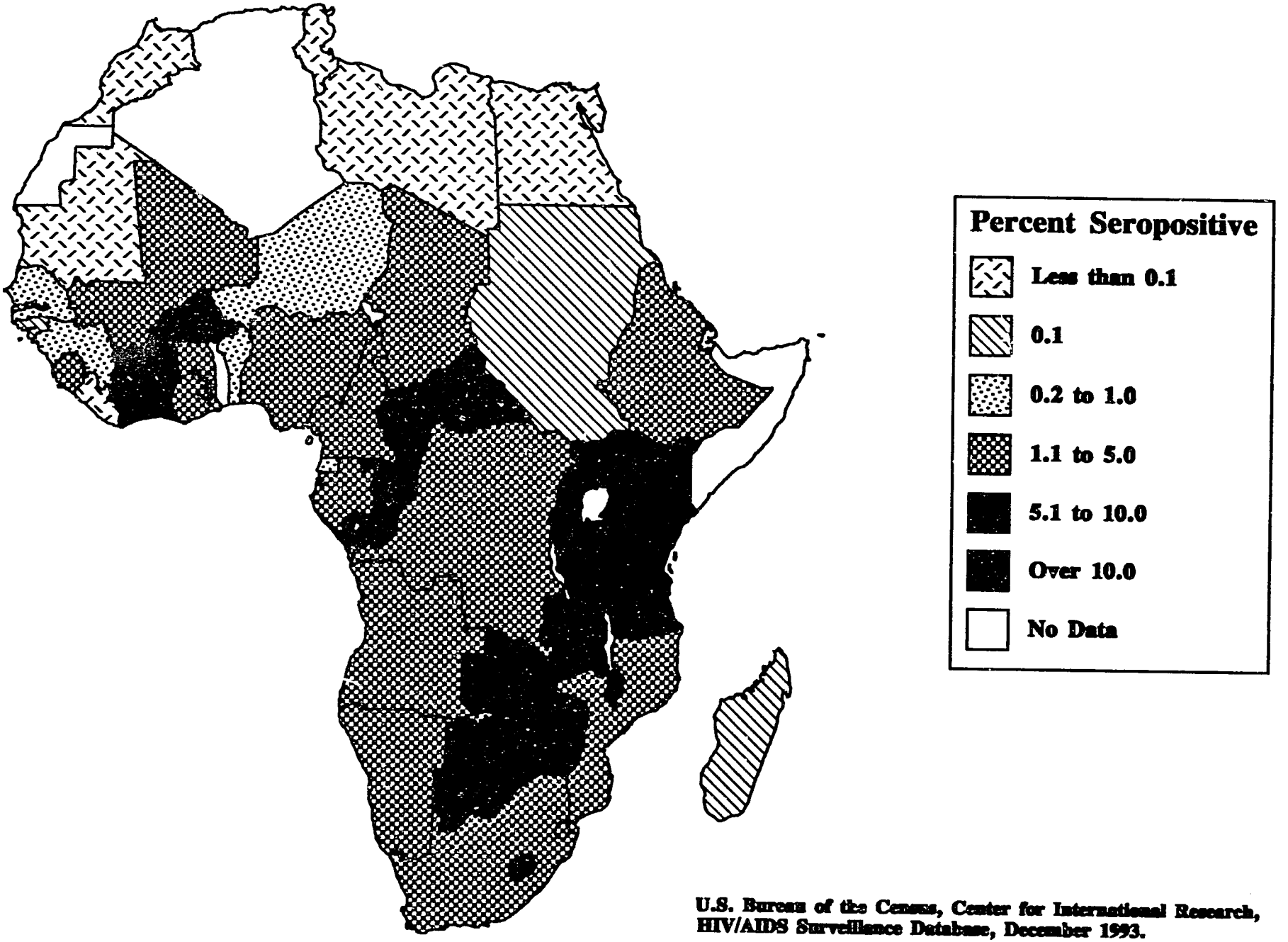
U.S. Bureau of the Census, Center for International Research, HIV/AIDS Surveillance Database, December 1993.

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



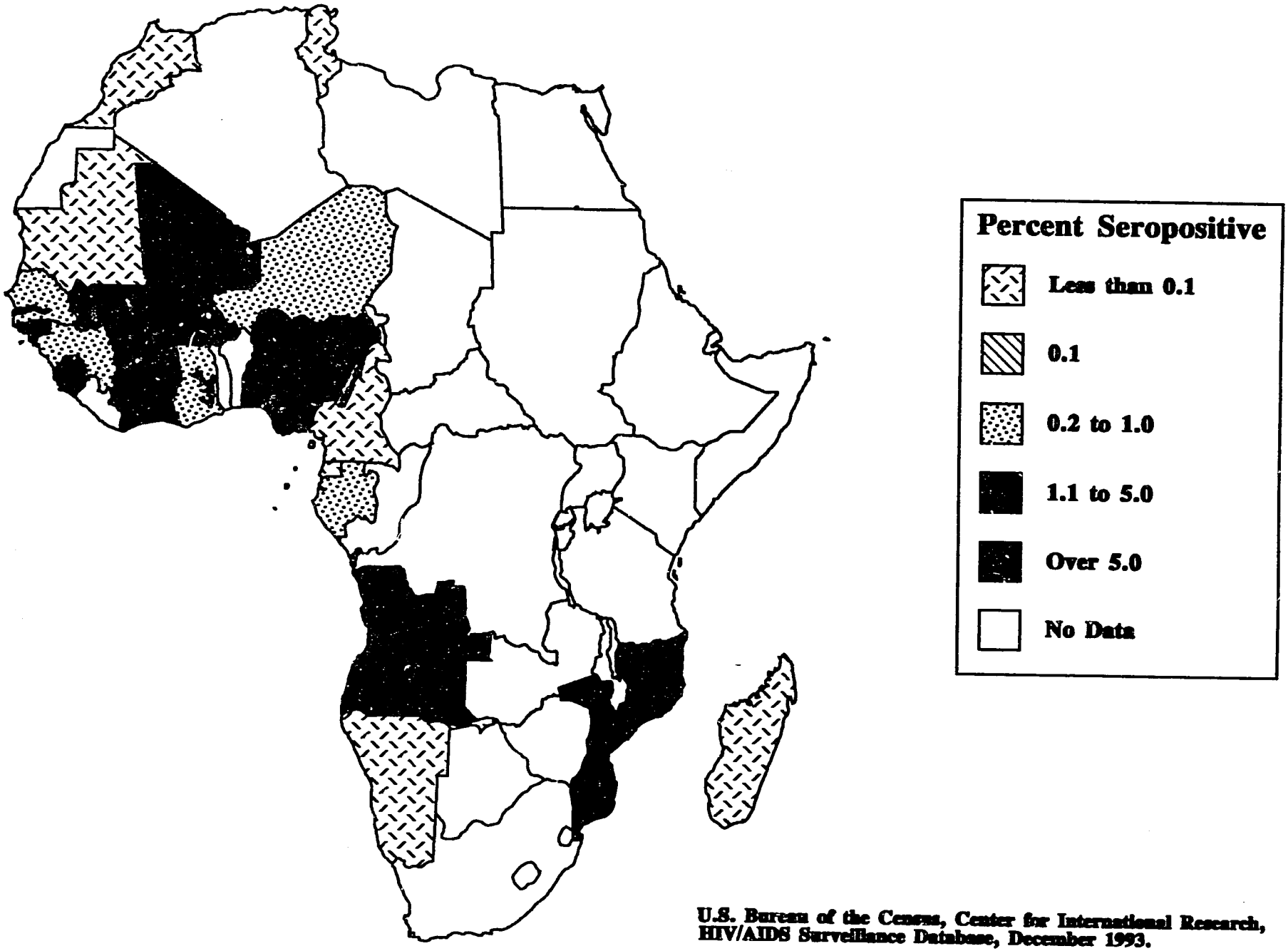
U.S. Bureau of the Census, Center for International Research, HIV/AIDS Surveillance Database, December 1993.

Map 3
African HIV-1 Seroprevalence for Low-Risk Urban Populations



U.S. Bureau of the Census, Center for International Research, HIV/AIDS Surveillance Database, December 1993.

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



U.S. Bureau of the Census, Center for International Research, HIV/AIDS Surveillance Database, December 1993.

December, 1993 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 1993

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	1.7	14.2a	-	-	P0103	S0043		
*Benin	.6	25.3a,b	.4	-	D0114	B0132	D0114	
Botswana	22.5c	31.9c	7.5	-	N0097	N0097	N0087	
*Burkina Faso	8.8a	17.2a	4.1a	44.7a,b	S0145	L0086	O0029	B0092
Burundi	19.9	-	1.6	-	B0174		B0174	
*Cameroon	1.6c	45.3	2.9	-	G0112	M0272	S0195	
*Cape Verde	.0	-	.0	-	A0046		A0046	
Central African Rep.	7.4	16.5	8.5	22.0	W0069	W0069	W0069	W0069
Chad	4.1	-	-	-	M0266			
Comoros	-	0.1	-	-		P0059		
Congo	9.0	17.5c	2.6	-	B0127	G0073	B0162	
*Cote d'Ivoire	14.8a	86.0a	3.3a	-	D0112	T0085	B0108	
*Djibouti	.3	43.0	.0b	-	B0037	C0141	F0017	
Egypt	.0	.2	-	-	H0086	C0101		
*Equatorial Guinea	.3	-	-	-	J0009			
Ethiopia	2.1	54.2	.0	65.6	H0046	N0083	Z0009	N0083
*Gabon	2.5	3.6a	-	3.7	M0146	M0146		S0152
*Gambia, The	.1	4.6a	-	-	W0027	P0062		
*Ghana	2.2	37.5b	-	-	M0143	D0096		
*Guinea	.6a	.6	.3	-	K0074	L0074	J0028	
*Guinea-Bissau	.1	.0b	.5a	-	A0042	K0033	R0059	
Kenya	15.0b	85.5	6.3b	-	G0105	M0243	M0251	
Lesotho	5.5b	5.8b	0.5b	0.6b	M0267	M0267	M0267	M0267
Liberia	.0	.0b	-	-	F0007	M0060		
Libya	.0	-	-	-	G0091			
*Madagascar	0.1	0.1	-	-	K0076	K0076		
Malawi	31.6	55.9	-	-	03703	G0005		
*Mali	3.7	42.6a	-	-	M0247	K0116		
*Mauritania	.0b	-	-	-	C0093			
Mauritius	.0	0.8	-	-	K0026	P0074		
Mayotte	-	-	-	-				
*Morocco	.0	7.1b	-	-	Z0022	R0046		
*Mozambique	1.1	1.2a	.8	3.7a	D0020	V0053	B0025	F0050
*Namibia	2.5	-	-	-	L0040			
*Niger	.6a	5.9a	-	-	O0044	O0044		
*Nigeria	1.2a,c	12.3a,c	-	-	A0101	D0120		
Reunion	-	-	-	-				
Rwanda	33.4	69.0b	9.8	-	L0119	K0127	C0132	
St. Helena	-	-	-	-				
*Sao Tome & Principe	.0	-	-	-	L0022			
*Senegal	.3a	3.9a	0.2b	2.0b	D0113	D0105	W0071	W0071
Seychelles	-	-	-	-				
*Sierra Leone	3.5a	27.5b	-	-	K0060	M0237		
Somalia	-	2.4	-	-		C0122		
South Africa	1.7	8.2	-	-	R0089	R0065		
Sudan	.1	16.0b	-	-	A0071	M0134		
Swaziland	2.3b	2.2b	-	-	W0060	W0060		
*Tanzania	11.5	42.9	10.2b	34.3b	K0125	M0256	R0090	R0090
Togo	-	-	-	-				
*Tunisia	0.0	1.9	-	-	B0169	G0015		
Uganda	29.5	45.0	5.0	86.0b	A0086	G0095	K0155	N0003
Western Sahara	-	-	-	-				
Zaire	5.0c	38.0	2.9	25.4	M0265	M0265	M0265	G0092
Zambia	24.5b	54.0b	16.0b	36.0b	T0040	T0040	K0096	K0096
Zimbabwe	18.0	28.6b	12.8	34.4	M0241	H0061	W0061	W0061

Table 1: Estimates of HIV-1 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1993

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
ASIA AND OCEANIA								
Bahrain	-	.0	-	-		F0038		
Bangladesh	.0	-	-	-	W0076			
Bhutan	.0	-	-	-	W0076			
Burma	2.2	11.4	0.1	15.5	F0055	F0055	F0055	F0055
China, People's Republic of	-	14.2	-	-		Z0036		
French Polynesia	.0	.0	-	-	A0047	C0005		
Hong Kong	.0	.0	-	-	L0097	W0078		
*India	.8a	26.6	-	-	J0022	B0144		
Indonesia	.0	-	-	-	W0076			
Israel	.0	1.1	-	-	M0204	M0186		
Japan	.0	.1	-	-	S0161	S0161		
Korea, Dem. People's Rep.	.0	-	-	-	W0076			
Korea, Rep.	.0	.1	-	-	M0274	Y0013		
Kuwait	.0	.0	-	-	B0078	M0101		
Laos	.1	-	-	-	K0007			
Macau	.0	-	-	-	V0017			
Malaysia	.0	29.5	-	-	B0082	S0215		
Maldives	.0	-	-	-	W0076			
Mongolia	.0	-	-	-	W0076			
Nepal	0.1	1.6	-	-	W0076	P0096		
New Caledonia	.0	.0	.0	-	C0089	C0089	C0089	
Pakistan	.0	-	-	-	M0228			
Papua New Guinea	.0	.7	-	-	V0017	V0017		
Philippines	.0	.1	-	.1	D0033	D0033		M0025
Saudi Arabia	.0	-	-	-	B0137			
Singapore	.0	0.4	-	-	V0017	C0138		
Sri Lanka	.0	0.1b	-	-	W0076	A0105		
Syria	.0	-	-	-	M0139			
*Taiwan	.0	.4	-	-	C0131	H0092		
Thailand	1.9	35.9	-	-	T0100	T0100		
Turkey	.0	1.6	-	-	R0044	B0088		
Vietnam	.0	0.1	-	-	V0044	F0059		
LATIN AMERICA/CARIBBEAN								
Antigua & Barbuda	-	1.7	-	-		G0123		
Argentina	.3	6.3	.2	2.0	F0024	Z0030	F0037	F0037
Bahamas, The	3.6	18.4	-	-	B0179	B0179		
Barbados	1.2c	4.7	-	-	B0186	G0123		
					B0187			
					B0188			
					B0189			
Bolivia	.0	.0	-	-	M0078	M0078		
*Brazil	0.8	24.0a	0.3	.0b	M0275	F0047	C0152	T0046
British Virgin Islands	2.8b	-	-	-	B0206			
Cayman Islands	0.0	-	-	-	G0123			
Chile	0.0	1.0	-	-	L0123	L0123		
Colombia	.1	14.6	-	-	B0027	B0043		
Costa Rica	1.1c	4.3c	-	-	L0125	L0128		
*Cuba	.0	.0	-	-	M0287	M0297		
Dominican Rep.	1.3	5.0	-	-	G0106	G0100		
Ecuador	.0b	0.5	-	-	R0093	R0093		
El Salvador	0.3b	2.2	-	-	M0235	E0036		
Grenada	0.0	2.4b	-	-	G0140	G0139		
Guatemala	.0	.7	-	-	M0205	T0065		
Guyana	6.9	25.0b	-	-	G0137	G0123		

Table 1: Estimates of HIV-1 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1993

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
LATIN AMERICA/CARIBBEAN CONT'D								
Haiti	15.7	41.9	4.0	-	B0138	G0048	A0097	
Honduras	.2	19.8	-	-	MC242	Z0035		
Jamaica	.3	14.6b	-	-	J0034	W0036		
Martinique	.5	38.9b	-	-	C0067	C0033		
Mexico	.1b	2.2	-	-	H0083	U0005		
Monsterrat	0.0c	-	-	-	M0278			
					M0279			
					M0280			
Nicaragua	.0	1.6b	-	-	N0110	N0110		
Panama	.0	-	-	-	P0018			
Paraguay	.0	.1	-	-	V0058	C0112		
Peru	.1	.3	-	-	A0014	A0014		
St. Kitts & Nevis	2.0c	-	-	-	S0227			
					S0241			
					S0242			
St. Lucia	0.0c	1.2c	-	-	S0218	S0217		
					S0220	S0218		
					S0221	S0220		
						S0221		
St. Vincent & Grenadines	0.2	1.4c	-	-	S0235	S0234		
						S0235		
						S0236		
Suriname	.8c	2.6	-	-	S0244	S0246		
					S0245			
Trinidad & Tobago	.2c	14.7	-	-	T0091	C0143		
					T0092			
					T0093			
					T0095			
Uruguay	0.1	5.6	-	-	A0118	S0209		
Venezuela	.1	6.1b	.0	-	E0024	E0024	A0022	

- No data found
* See table 2 for HIV-2 data
a Rate represents infection with HIV1 only and dual infection (HIV1 & 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, 12/93 Update

Table 2: Estimates of HIV-2 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1993

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	1.3a	13.7a	-	-	S0110	S0043		
*Benin	-	13.3a,b	.0	-		B0132	D0095	
*Burkina Faso	5.6a	3.6a	1.9a	23.7a,b	S0145	L0086	O0029	B0092
*Cameroon	.0	.7	.0	-	K0070	K0073	S0195	
*Cape Verde	1.4	-	.4	-	A0046		A0046	
*Cote d'Ivoire	2.6a	38.0a	2.1a	-	D0112	T0085	B0108	
*Djibouti	-	.0	-	-		R0051		
*Equatorial Guinea	.0	-	-	-	J0009			
*Gabon	.4	.9a	-	-	M0146	M0146		
*Gambia, The	1.7	28.6a	-	-	W0027	P0062		
*Ghana	.6	-	-	-	M0143			
*Guinea	.2a	.3	.1	-	K0074	L0074	J0028	
*Guinea-Bissau	6.5	64.1b	8.3a	-	A0042	K0033	R0059	
*Madagascar	.0	-	-	-	C0061			
*Mali	1.4	47.8a	-	-	M0054	K0116		
*Mauritania	.0b	-	-	-	C0093			
*Morocco	.0	.0b	-	-	Z0022	R0046		
*Mozambique	2.2	.3a	-	1.8a	D0020	V0053		F0050
*Namibia	.0	-	-	-	L0040			
*Niger	.4a	2.6a	-	-	O0044	O0044		
*Nigeria	1.2	2.3c	-	-	N0052	D0120		
*Sao Tome & Principe	.0	-	-	-	L0022			
*Senegal	.5a	9.0a	1.7b	25.0b	D0113	D0105	W0071	W0071
*Sierra Leone	4.9a	1.8a	-	-	K0060	A0032		
*Tanzania	-	-	.1	.3			B0094	B0094
*Tunisia	.0	.0	-	-	G0015	G0015		
ASIA/OCEANIA								
*India	0.1a	9.3	-	-	J0022	B0144		
*Taiwan	-	0.0	-	-		H0092		
LATIN AMERICA/CARIBBEAN								
*Brazil	.0	9.7a	0.0	.0b	L0076	F0047	C0152	C0048
*Cuba	.0	-	-	.	M0131			

- No data found
* See table 1 for HIV-1 data
a Rate represents infection with HIV1 only and dual infection (HIV1 & 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, 12/93 Update

December, 1993 U.S. BUREAU OF THE CENSUS -- HIV/AIDS SURVEILLANCE DATA BASE

Table 3: Detailed Listing of Estimates of HIV-1 & 2 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1993

REGION/ COUNTRY	RISK AREA	GEOGRAPHIC AREA	YEAR	SUB-POPULATION	SEX	AGE	PREV. RATE	SIZE	TYPE	TEST	SOURCE ID
AFRICA											
ANGOLA	UL	NINE PROVINCES	1992	BLOOD DONORS	B	ALL	1.7	11333	HIV	RAPID,ELISA,WB	P0103
	UL2	LUANDA CITY	1987-88	HEALTHY PERSONS	B	ALL	1.3a	316	HIV2	ELISA,WB	S0110
	UH	DUNDO CITY	1988	STD PTS.	B	ALL	14.2a	219	HIV1	ELISA,WB	S0043
	UH2	DUNDO CITY	1988	STD PTS.	B	ALL	13.7a	219	HIV2	ELISA,WB	S0043
BENIN	UL	PORTO NOVO	1991	PREGNANT WOMEN	F	ALL	0.6	543	HIV1,2	ELISA*2,WB	D0114
	UH	ATLANTIC PRO.	1990	PROSTITUTES	F	ALL	25.3a,b	75	HIV1	ELISA,WB	B0132
	UH2	ATLANTIC PRO.	1990	PROSTITUTES	F	ALL	13.3a,b	75	HIV2	ELISA,WB	B0132
	OL	DANGBO	1991	PREGNANT WOMEN	F	ALL	0.4	626	HIV1,2	ELISA*2,WB	D0114
	OL2	DANGBO	1991	PREGNANT WOMEN	F	ALL	.0	300	HIV2	ELISA,WB	D0095
BOTSWANA	+UL	SEVEN AREAS	1993	PREGNANT WOMEN	F	ALL	22.5c	2712	HIV	UNK	N0097
	+UH	FIVE AREAS	1993	STD PTS.	M	ALL	31.9c	926	HIV	UNK	N0097
	OL	BOTETI	1992	PREGNANT WOMEN	F	ALL	7.5	240	HIV	UNK	N0087
BURKINA FASO	UL	BOBO DIOULASSO	1990-91	PREGNANT WOMEN	F	ALL	8.8a	125	HIV1	RIPA,WB	S0145
	UL2	BOBO DIOULASSO	1990-91	PREGNANT WOMEN	F	ALL	5.6a	125	HIV2	RIPA,WB	S0145
	UH	BOBO DIOULASSO	1990-91	STD PTS.	M	ALL	17.2a	192	HIV1	ELISA,WB	L0086
	UH2	BOBO DIOULASSO	1990-91	STD PTS.	M	ALL	3.6a	192	HIV2	ELISA,WB	L0086
	OL	GOROM-GOROM TOWN	1989	HEALTH PROFESSIONALS	B	ALL	4.1a	267	HIV1	ELISA,WB	O0029
	OL2	GOROM-GOROM TOWN	1989	HEALTH PROFESSIONALS	B	ALL	1.9a	267	HIV2	ELISA,WB	O0029
	OH	RURAL AREA	1989(?)	PROSTITUTES	F	ALL	44.7a,b	38	HIV1	ELISA,WB	B0092
	OH2	RURAL AREA	1989(?)	PROSTITUTES	F	ALL	23.7a,b	38	HIV2	ELISA,WB	B0092
BURUNDI	+UL	BUJUMBURA	1992	PREGNANT WOMEN	F	ALL	19.9	1098	HIV	ELISA	B0174
	+OL	RURAL AREAS	1992	PREGNANT WOMEN	F	ALL	1.6	1090	HIV	ELISA	B0174
CAMEROON	+UL	YAOUNDE	1992	PREGNANT WOMEN	F	ALL	1.6c	800	HIV1	ELISA,WB	G0112
	UL2	YAOUNDE	1989	PREGNANT WOMEN	F	ALL	.0	900	HIV2	ELISA	K0070
	+UH	DOUALA	1992(?)	PROSTITUTES	F	ALL	45.3	234	HIV1	RAPID,WB	M0272
	UH2	YAOUNDE	1989-90	PROSTITUTES	F	ALL	.7	303	HIV2	ELISA,WB	K0073
	OL	SOUTH WEST PROV.	1991-92	PREGNANT WOMEN	F	ALL	2.9	382	HIV1	ELISA,WB	S0195
	OL2	SOUTH WEST PROV.	1991-92	PREGNANT WOMEN	F	ALL	.0	382	HIV2	ELISA,WB	S0195
CAPE VERDE	UL	PRAIA	1988	URBAN POPULATION	B	ALL	.0	900	HIV1	ELISA,WB	A0046
	UL2	PRAIA	1988	URBAN POPULATION	B	ALL	1.4	900	HIV2	ELISA,WB	A0046
	OL	FOGO	1988	RURAL POPULATION	B	ALL	.0	900	HIV1	ELISA,WB	A0046
	OL2	FOGO	1988	RURAL POPULATION	B	ALL	.4	900	HIV2	ELISA,WB	A0046
C. AFRICAN REPUBLIC	UL	BANGUI	1990	PREGNANT WOMEN	F	ALL	7.4c	501	HIV	UNK	W0069
	UH	BANGUI	1990	STD PTS.	B	ALL	16.5	152	HIV	UNK	W0069
	OL	BAMBARI	1990	PREGNANT WOMEN	F	ALL	8.5	313	HIV	UNK	W0069
	OH	BAMBARI	1990	STD PTS.	B	ALL	22.0	128	HIV	UNK	W0069
CHAD	+UL	SARH	1992	PREGNANT WOMEN	F	ALL	4.1	435	HIV1,2	RAPID,WB	N0266
COMOROS	UH	MORONI	1987-88	STD OUT-PTS.	B	ALL	.1	719	HIV1	ELISA,WB	P0059

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Table 3: Detailed Listing of Estimates of HIV-1 & 2 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1993

REGION/ COUNTRY	RISK AREA	GEOGRAPHIC AREA	YEAR	SUB-POPULATION	SEX	AGE	PREV. RATE	SIZE	TYPE	TEST	SOURCE ID
AFRICA - cont'd											
CONGO	UL	BRAZZAVILLE	1991	PREGNANT WOMEN	F	ALL	9.0	300	HIV	ELISA	B0127
	+UH	BRAZZAVILLE	1990	STD PTS.	B	ALL	17.5c	400	HIV	ELISA	G0073
	OL	OWANDO	1992	PREGNANT WOMEN	F	ALL	2.6	300	HIV	UNK	B0162
COTE D'IVOIRE	UL	ABIDJAN	1992	PREGNANT WOMEN	F	ALL	14.8a	547	HIV1	ELISA,LIA	D0112
	UL2	ABIDJAN	1992	PREGNANT WOMEN	F	ALL	2.6a	547	HIV2	ELISA,LIA	D0112
	+UH	ABIDJAN	1992-93	PROSTITUTES	F	ALL	86.0a	465	HIV1	ELISA,RAPID,WB	T0085
	+UH2	ABIDJAN	1992-93	PROSTITUTES	F	ALL	38.0a	465	HIV2	ELISA,RAPID,WB	T0085
	OL	RURAL AREA	1989	ADULTS	B	ALL	3.3a	3199	HIV1	ELISA,WB	B0108
	OL2	RURAL AREA	1989	ADULTS	B	ALL	2.1a	3199	HIV2	ELISA,WB	B0108
DJIBOUTI	UL	DJIBOUTI	1987-88	GENERAL POPULATION	B	ALL	.3	1760	HIV1	ELISA,WB	B0037
	UH	DJIBOUTI	1991	STREET PROSTITUTES	F	ALL	43.0	300	HIV	ELISA,WB	C0141
	UH2	DJIBOUTI	1990	STREET PROSTITUTES	F	ALL	.0	115	HIV2	ELISA,WB	R0051
	OL	RANDA VILLAGE	1987	RURAL POP. - CONTROL	B	ALL	.0b	69	HIV	ELISA,WB	F0017
EGYPT	UL	CAIRO	1990-91	FAM. PLAN. CLINIC PTS.	F	ALL	.0	2412	HIV	UNK	H0086
	UH	NATIONAL	1986-89	STD PTS.	B	ALL	.2	2163	HIV1	ELISA,WB	C0101
EQUATORIAL GUINEA	UL	BATA	1988	URBAN POPULATION	B	ALL	.3	389	HIV1	ELISA,WB	J0009
	UL2	BATA	1988	URBAN POPULATION	B	ALL	.0	389	HIV2	ELISA,WB	J0009
ETHIOPIA	UL	ADDIS ABABA	1989	PREGNANT WOMEN	F	ALL	2.1	440	HIV1	ELISA,WB	H0046
	UH	ADDIS ABABA	1990	PROSTITUTES	F	ALL	54.2	1225	HIV	WB	N0083
	OL	RURAL AREA	1988(?)	GENERAL POPULATION	B	ALL	.0	1000	HIV1	ELISA,WB	Z0009
	+OH	NAZARETH	1991	PROSTITUTES	F	ALL	65.6	215	HIV	ELISA,WB	N0083
GABON	UL	LIBREVILLE	1988	BLOOD DONORS	B	ALL	2.5	2895	HIV1	ELISA,WB	M0146
	UL2	LIBREVILLE	1988	BLOOD DONORS	B	ALL	.4	2895	HIV2	ELISA,WB	M0146
	UH	LIBREVILLE	1988	STD PTS.	B	ALL	3.6a	222	HIV1	ELISA,WB	M0146
	UH2	LIBREVILLE	1988	STD PTS.	B	ALL	.9a	222	HIV2	ELISA,WB	M0146
	OH	SOUTHEASTERN	1988(?)	STD PTS.	F	ALL	3.7	734	HIV	ELISA,WB	S0152
THE GAMBIA	UL	FOUR AREAS	1991(?)	ADULTS	B	ALL	.1	4228	HIV1	ELISA,WB	W0027
	UL2	FOUR AREAS	1991(?)	ADULTS	B	ALL	1.7	4228	HIV2	ELISA,WB	W0027
	UH	URBAN AREAS	1989	PROSTITUTES	F	ALL	4.6a	241	HIV1	ELISA,WB	P0062
	UH2	URBAN AREAS	1989	PROSTITUTES	F	ALL	28.6a	241	HIV2	ELISA,WB	P0062
GHANA	UL	NOT SPECIFIED	1990(?)	BLOOD DONORS	B	ALL	2.2	14362	HIV1	ELISA,WB	M0143
	UL2	NOT SPECIFIED	1990(?)	BLOOD DONORS	B	ALL	.6	14362	HIV2	ELISA,WB	M0143
	UH	NOT SPECIFIED	1991	PROSTITUTES	F	ALL	37.5b	56	HIV	RAPID,WB	D0096
GUINEA	UL	CONAKRY	1990	BLOOD DONORS - VOL.	B	ALL	.6a	1747	HIV1	ELISA,WB	K0074
	UL2	CONAKRY	1990	BLOOD DONORS - VOL.	B	ALL	.2a	1747	HIV2	ELISA,WB	K0074
	UH	SIX AREAS	1990-91	STD OUT-PTS.	B	ALL	.6	711	HIV1	ELISA,WB	L0074
	UH2	SIX AREAS	1990-91	STD OUT-PTS.	B	ALL	.3	711	HIV2	ELISA,WB	L0074
	OL	SAMOE	1992(?)	RURAL POPULATION	B	ALL	.3	928	HIV1	ELISA,RAPID,WB	J0028
	OL2	SAMOE	1992(?)	RURAL POPUALTION	B	ALL	.1	928	HIV2	ELISA,RAPID,WB	J0028

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Table 3: Detailed Listing of Estimates of HIV-1 & 2 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1993

REGION/ COUNTRY	RISK AREA	GEOGRAPHIC AREA	YEAR	SUB-POPULATION	SEX	AGE	PREV. RATE	SIZE	TYPE	TEST	SOURCE ID
AFRICA - cont'd											
GUINEA-BISSAU	UL	BISSAU	1987-88	PREGNANT WOMEN	F	ALL	.1	3246	HIV1	ELISA,WB	A0042
	UL2	BISSAU	1987-88	PREGNANT WOMEN	F	ALL	6.5	3246	HIV2	ELISA,WB	A0042
	UH	BISSAU	1985-87	PROSTITUTES	F	ALL	.0b	39	HIV1	RIPA,WB	K0033
	UH2	BISSAU	1985-87	PROSTITUTES	F	ALL	64.1b	39	HIV2	RIPA,WB	K0033
	OL	RURAL AREA	1991(?)	ADULTS	B	ALL	.5a	2770	HIV1	ELISA,RAPID,WB	R0059
	OL2	RURAL AREA	1991(?)	ADULTS	B	ALL	8.3a	2770	HIV2	ELISA,RAPID,WB	R0059
KENYA	UL	NAIROBI	1992	PREGNANT WOMEN	F	ALL	15.0b	N/A	HIV1	UNK	G0105
	UH	NAIROBI	1992	PROSTITUTES	F	ALL	85.5	330	HIV	ELISA*2	M0243
	OL	BURNT FOREST	1992(?)	PREGNANT WOMEN	F	ALL	6.3b	79	HIV	RAPID	M0251
LESOTHO	+UL	MASERU	1991-92	PREGNANT WOMEN	F	ALL	5.5b	N/A	HIV	UNK	M0267
	+UH	MASERU	1991-92	STD PTS.	B	ALL	5.8b	N/A	HIV	UNK	M0267
	+OL	KATSE DAM AREA	1992	VILLAGERS	B	ALL	0.5b	N/A	HIV	UNK	M0267
	+OH	KATSE DAM AREA	1992	STD PTS.	B	ALL	0.6b	N/A	HIV	UNK	M0267
LIBERIA	UL	NIMBA	1987	BLOOD DONORS - VOL.	B	ALL	.0	326	HIV1	ELISA	F0007
	UH	MONROVIA	1987	PROSTITUTES	F	ALL	.0b	30	HIV	ELISA,WB	M0060
LIBYA	UL	BENGHAZI CITY	1987-89	BLOOD DONORS	B	ALL	.0	6211	HIV	UNK	G0091
MADAGASCAR	+UL	VARIOUS AREAS	1989	PREGNANT WOMEN	B	ALL	0.1	1945	HIV1	ELISA,WB	K0076
	UL2	TANANARIVE R.	1988	GENERAL POPULATION	B	ALL	.0	448	HIV2	ELISA,WB	C0061
	+UH	VARIOUS AREAS	1989	PROSTITUTES	F	ALL	0.1	1899	HIV1	ELISA,WB	K0076
MALAWI	+UL	BLANTYRE	1993	PREGNANT WOMEN	F	ALL	31.6	437	HIV	UNK	03703
	UH	BLANTYRE	1986	PROSTITUTES	F	ALL	55.9	265	HIV1	ELISA,IFA,WB	G0005
MALI	UL	BAMAKO	1991-92	MOTHERS	F	ALL	3.7	325	HIV	ELISA,RAPID,WB	M0247
	UL2	BAMAKO	1987	PREGNANT WOMEN	F	ALL	1.4	573	HIV2	ELISA,IFA	M0054
	UH	BAMAKO	1989	PROSTITUTES	F	ALL	42.6a	115	HIV1	ELISA,LIA,WB	K0116
	UH2	BAMAKO	1989	PROSTITUTES	F	ALL	47.8a	115	HIV2	ELISA,LIA,WB	K0116
MAURITANIA	UL	NOUAKCHOTT	1987-88	PREGNANT WOMEN	F	ALL	.0b	56	HIV1	ELISA,WB	C0093
	UL2	NOUAKCHOTT	1987-88	PREGNANT WOMEN	F	ALL	.0b	56	HIV2	ELISA,WB	C0093
MAURITIUS	UL	NATIONAL	1985-88	GENERAL POPULATION	B	ALL	.0	13487	HIV	WB	K0026
	+UH	NOT SPECIFIED	1988-91	STD CLINIC PTS.	B	ALL	0.8	1470	HIV	ELISA,WB	P0074
MOROCCO	UL	CASABLANCA	1991(?)	PREGNANT WOMEN	F	ALL	.0	300	HIV1	ELISA,WB	Z0022
	UL2	CASABLANCA	1991(?)	PREGNANT WOMEN	F	ALL	.0	300	HIV2	ELISA,WB	Z0022
	UH	CASABLANCA	1990(?)	PROSTITUTES	F	ALL	7.1b	28	HIV1	UNK	R0046
	UH2	CASABLANCA	1990(?)	PROSTITUTES	F	ALL	.0b	28	HIV2	UNK	R0046

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Table 3: Detailed Listing of Estimates of HIV-1 & 2 Seroprevalence, by Residence and Risk Factor, for Developing Countries Circa 1993

REGION/ COUNTRY	RISK AREA	GEOGRAPHIC AREA	YEAR	SUB-POPULATION	SEX	AGE	PREV. RATE	SIZE	TYPE	TEST	SOURCE ID
AFRICA - cont'd											
MOZAMBIQUE	UL	MAPUTO CITY	1987	HEALTHY PERSONS	B	ALL	1.1	536	HIV1	ELISA,WB	D0020
	UL2	MAPUTO CITY	1987	HEALTHY PERSONS	B	ALL	2.2	536	HIV2	ELISA,WB	D0020
	UH	MAPUTO CITY	1990-91	STD CLINIC PTS.	B	ALL	1.2a	1465	HIV1	ELISA,WB	V0053
	UH2	MAPUTO CITY	1990-91	STD CLINIC PTS.	B	ALL	.3a	1465	HIV2	ELISA,WB	V0053
	OL	9 PROVINCES	1987	BLOOD DONORS	B	ALL	.8	2370	HIV1	ELISA,WB	B0025
	OH	INHACA ISLAND	1990	WAR DISPL. POPULATION	B	ALL	3.7a	216	HIV1	ELISA*2,WB	F0050
	OH2	INHACA ISLAND	1990	WAR DISPL. POPULATION	B	ALL	1.8a	216	HIV2	ELISA*2,WB	F0050
NAMIBIA	UL	EAST CAPRIVIA	1988(?)	BLACK PERSONS	B	ALL	2.5	708	HIV1	ELISA,WB	L0040
	UL2	EAST CAPRIVIA	1988(?)	BLACK PERSONS	B	ALL	.0	704	HIV2	ELISA,WB	L0040
NIGER	UL	NIAMEY	1990	BLOOD DONORS	B	ALL	.7a	2051	HIV1	ELISA,WB	O0044
	UL2	NIAMEY	1990	BLOOD DONORS	B	ALL	.4a	2051	HIV2	ELISA,WB	O0044
	UH	NIAMEY	1987-88	PROSTITUTES	F	ALL	5.9a	610	HIV1	ELISA,WB	O0044
	UH2	NIAMEY	1987-88	PROSTITUTES	F	ALL	2.6a	610	HIV2	ELISA,WB	O0044
NIGERIA	+UL	ELEVEN STATES	1991-92	PREGNANT WOMEN	F	ALL	1.2c	6334	HIV	ELISA*2,WB	A0101
	UL2	NOT SPECIFIED	1987-89	GENERAL POPULATION	B	ALL	1.2	8000	HIV2	UNK	N0052
	+UH	LAGOS STATE	1992(?)	PROSTITUTES	F	ALL	12.3a,c	885	HIV1	UNK	D0120
	+UH2	LAGOS STATE	1992(?)	PROSTITUTES	F	ALL	2.3a,c	885	HIV2	UNK	D0120
RWANDA	+UL	KIGALI	1992-93	PREGNANT WOMEN	F	ALL	33.4	809	HIV1	ELISA,WB	L0119
	UH	KIGALI	1991	STD PTS.	F	ALL	69.0b	N/A	HIV	ELISA,WB	K0127
	+OL	BUTARE REG/RURAL	1989-91	PREGNANT WOMEN	F	ALL	9.8	5288	HIV	ELISA,WB	C0132
SAO TOME & PRINCIPE	UL	SAO TOME	1988	URBAN POPULATION	B	ALL	.0	100	HIV1	ELISA,WB	L0022
	UL2	SAO TOME	1988	URBAN POPULATION	B	ALL	.0	100	HIV2	ELISA,WB	L0022
SENEGAL	UL	DAKAR	1991-92	PREGNANT WOMEN	F	ALL	0.3a	8384	HIV1	WB	D0113
	UL2	DAKAR	1991-92	PREGNANT WOMEN	F	ALL	0.5a	8384	HIV2	WB	D0113
	UH	DAKAR	1992(?)	PROSTITUTES - REG.	F	ALL	3.9a	463	HIV1	UNK	D0105
	UH2	DAKAR	1992(?)	PROSTITUTES - REG.	F	ALL	9.0a	463	HIV2	UNK	D0105
	OL	ZIGUINCHOR REG.	1992	PREGNANT WOMEN	F	ALL	0.2b	N/A	HIV1	ELISA,WB	W0071
	OL2	ZIGUINCHOR REG.	1992	PREGNANT WOMEN	F	ALL	1.7b	N/A	HIV2	ELISA,WB	W0071
	OH	ZIGUINCHOR REG.	1992	PROSTITUTES	F	ALL	2.0b	N/A	HIV1	ELISA,WB	W0071
	OH2	ZIGUINCHOR REG.	1992	PROSTITUTES	F	ALL	25.0b	N/A	HIV2	ELISA,WB	W0071
SIERRA LEONE	UL	FREETOWN	1987-89	BLOOD DONORS	B	ALL	3.5a	285	HIV1	ELISA,WB	K0060
	UL2	FREETOWN	1987-89	BLOOD DONORS	B	ALL	4.9a	285	HIV2	ELISA,WB	K0060
	UH	FREETOWN	1991	PROSTITUTES	F	ALL	27.5b	35	HIV	UNK	M0237
	UH2	FREETOWN	1988	STD CLINIC PTS.	B	ALL	1.8a	332	HIV2	ELISA,WB	A0032
SOMALIA	UH	MOGADISHU	1990	PROSTITUTES	F	ALL	2.4	246	HIV1	ELISA,WB	C0122
SOUTH AFRICA	+UL	NATIONAL	1992	PREGNANT WOMEN	F	ALL	1.7	19213	HIV	ELISA,IFA/WB	R0089
	UH	JOHANNESBURG	1991	STD CLINIC PTS.	B	ALL	8.2	7879	HIV	UNK	R006[illegible]

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Table 3: Detailed Listing of Estimates of HIV-1 & 2 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1993

REGION/ COUNTRY	RISK AREA	GEOGRAPHIC AREA	YEAR	SUB-POPULATION	SEX	AGE	PREV. RATE	SIZE	TYPE	TEST	SOURCE ID
AFRICA - cont'd											
SUDAN	UL	NOT SPECIFIED	1989	BLOOD DONORS	B	ALL	.1	47060	HIV	UNK	A0071
	UH	JUBA	1989	PROSTITUTES	F	ALL	16.0b	50	HIV1	ELISA,WB	M0134
SWAZILAND	UL	NOT SPECIFIED	1990(?)	PREGNANT WOMEN	F	ALL	2.3b	N/A	HIV	UNK	W0060
	UH	NOT SPECIFIED	1990(?)	STD OUT-PTS.	B	ALL	2.2b	N/A	HIV	UNK	W0060
TANZANIA	UL	DAR ES SALAAM	1991-92	FAM. PLAN. CLINIC PTS.	F	ALL	11.5	2285	HIV	ELISA,WB	K0125
	UH	DAR ES SALAAM	1991	BAR WORKERS	F	ALL	42.9	336	HIV1	ELISA,WB	M0256
	+OL	MBEYA REG./RURAL	1992	PREGNANT WOMEN	F	ALL	10.2b	N/A	HIV	ELISA*2,WB	R0090
	OL2	N. MARA REG.	1989(?)	RURAL ADULT POP.	B	ALL	.1	819	HIV2	ELISA,WB	B0094
	+OH	MBEYA REGION	1992	STD PTS.	B	ALL	34.3b	N/A	HIV	ELISA*2,WB	R0090
	OH2	N. MARA REG.	1989(?)	HIGH RISK GROUP	B	ALL	.3	307	HIV2	ELISA,WB	B0094
TUNISIA	+UL	TUNIS	1991	PREGNANT WOMEN	F	ALL	0.0	1030	HIV1	ELISA,WB	B0169
	UL2	NOT SPECIFIED	1985-87	BLOOD DONORS	B	ALL	.0	1472	HIV2	ELISA,WB	G0015
	UH	NOT SPECIFIED	1985-87	PROSTITUTES	F	ALL	1.9	373	HIV1	ELISA,WB	G0015
	UH2	NOT SPECIFIED	1985-87	PROSTITUTES	F	ALL	.0	373	HIV2	ELISA,WB	G0015
UGANDA	UL	KAMPALA	1992	PREGNANT WOMEN	F	ALL	29.5	285	HIV	UNK	A0086
	UH	KAMPALA	1989-91	STD CLINIC PTS.	B	ALL	45.0	4627	HIV	ELISA,WB	G0095
	+OL	KABAROLE DST/RUR	1990-91	ADULTS	B	ALL	5.0	2266	HIV	ELISA,WB	K0155
	OH	RAKAI DISTRICT	1987(?)	PROSTITUTES	F	ALL	86.0b	N/A	HIV	UNK	N0003
ZAIRE	+UL	KINSHASA/3 SITES	1992	PREGNANT WOMEN	F	ALL	5.0c	1298	HIV1	RAPID	M0265
	+UH	KINSHASA	1989	PROSTITUTES	F	ALL	38.0	500	HIV1	ELISA,IFA	M0265
	+OL	MUSOSHI	1991	PREGNANT WOMEN	F	ALL	2.9	1143	HIV1	ELISA,WB	M0265
	OH	HAUT-ZAIRE REG.	1991(?)	PROSTITUTES	F	ALL	25.4	126	HIV1	ELISA,IFA/WB	G0092
ZAMBIA	UL	LUSAKA	1990(?)	PREGNANT WOMEN	F	ALL	24.5b	N/A	HIV	ELISA	T0040
	UH	LUSAKA	1990(?)	STD CLINIC PTS.	B	ALL	54.0b	N/A	HIV	ELISA	T0040
	OL	MUKINGE	1990(?)	PREGNANT WOMEN	F	ALL	16.0b	N/A	HIV1	ELISA	K0096
	OH	MUKINGE	1990(?)	STD CLINIC PTS.	B	ALL	36.0b	N/A	HIV1	ELISA	K0096
ZIMBABWE	UL	HARARE	1990	PREGNANT WOMEN	F	ALL	18.0	1008	HIV	ELISA*2,WB	M0241
	UH	HARARE	1990	STD-UNSKILLED WORKERS	B	ALL	28.6b	N/A	HIV	UNK	H0061
	OL	THREE PROVINCES	1990(?)	PREGNANT WOMEN	F	ALL	12.8	888	HIV	ELISA,WB	W0061
	OH	THREE PROVINCES	1990(?)	STD PTS.	B	ALL	34.4	535	HIV	ELISA,WB	W0061
ASIA/OCEANIA											
BAHRAIN	UH	NOT SPECIFIED	1990(?)	STD CLINIC PTS.	B	ALL	.0	1026	HIV	UNK	F0038
BANGLADESH	+UL	NOT SPECIFIED	1991	VARIOUS GROUPS	B	ALL	0.0	46329	HIV	UNK	W0076
BHUTAN	+UL	NOT SPECIFIED	1991	VARIOUS GROUPS	B	ALL	0.0	6832	HIV	UNK	W0076
BURMA	+UL	NOT SPECIFIED	1992	PREGNANT WOMEN	F	ALL	2.2	499	HIV	UNK	F0055
	+UH	NOT SPECIFIED	1992	STD CLINIC PTS.	M	ALL	11.4	809	HIV	UNK	F0055
	+OL	SEVERAL TOWNS	1992	LOW RISK GROUPS	B	ALL	0.1	1039	HIV	ELISA*3	F0055
	+OH	SEVERAL TOWNS	1992	HIGH RISK GROUPS	B	ALL	15.5	479	HIV	ELISA*3	F0055

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Table 3: Detailed Listing of Estimates of HIV-1 & 2 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1993

REGION/ COUNTRY	RISK AREA	GEOGRAPHIC AREA	YEAR	SUB-POPULATION	SEX	AGE	PREV. RATE	SIZE	TYPE	TEST	SOURCE ID
ASIA/OCEANIA - cont'd											
CHINA, PEOPLE'S REP.	+UH	NOT SPECIFIED	1990	DRUG ADDICTS	B	ALL	14.2	2567	HIV1	ELISA,IFA,WB	Z0036
FRENCH POLYNESIA	UL	NOT SPECIFIED	1985-88	BLOOD DONORS	B	ALL	.0	16881	HIV	UNK	A0047
	UH	NATIONAL	1987	PROSTITUTES	F	ALL	.0	131	HIV	ELISA,WB	C0005
HONG KONG	UL	NATIONAL	1992	BLOOD DONORS	B	ALL	.0	75357	HIV	ELISA,WB	L0097
	+UH	NOT SPECIFIED	1985-92	IVDU	B	ALL	.0	7188	HIV	ELISA,WB	W0078
INDIA	UL	BOMBAY	1992(?)	PREGNANT WOMEN	F	ALL	0.8a	724	HIV1	ELISA,WB	J0022
	UL2	BOMBAY	1992(?)	PREGNANT WOMEN	F	ALL	0.1a	724	HIV2	ELISA,WB	J0022
	UH	BOMBAY	1992(?)	PROSTITUTES	F	ALL	26.6	451	HIV1	ELISA	B0144
	UH2	BOMBAY	1992(?)	PROSTITUTES	F	ALL	9.3	451	HIV2	ELISA	B0144
INDONESIA	+UL	NOT SPECIFIED	1991	VARIOUS GROUPS	B	ALL	.0	178737	HIV	UNK	W0076
ISRAEL	UL	JERUSALEM	1986-91	BLOOD DONORS	B	ALL	.0	39100	HIV1	ELISA,WB	M0204
	UH	TEL AVIV	1991(?)	PROSTITUTES	F	ALL	1.1	180	HIV	ELISA,WB	M0186
JAPAN	UL	NATIONAL	1992	BLOOD DONORS	B	ALL	.0	2179068	HIV	UNK	S0161
	UH	TOKYO	1987-91	STD CLINIC PTS.	B	ALL	.1	23495	HIV	UNK	S0161
KOREA, DEM. PEOPLE'S REP.	+UL	NOT SPECIFIED	1990	VARIOUS GROUPS	B	ALL	.0	61200	HIV	UNK	W0076
KOREA, REP. OF	+UL	NOT SPECIFIED	1987-90	BLOOD DONORS	B	ALL	0.0	7122993	HIV	UNK	M0274
	UH	NOT SPECIFIED	1988	PROSTITUTES	F	ALL	.1	12000	HIV	UNK	Y0013
KUWAIT	UL	NATIONAL	1988	BLOOD DONORS	B	ALL	.0	150000	HIV	ELISA,WB	B0078
	UH	NATIONAL	1988(?)	STD PTS.	M	ALL	.0	305	HIV	UNK	M0101
LAOS	UL	VIENTIANE PROV.	1991(?)	GENERAL POPULATION	B	ALL	.1	2000	HIV	UNK	K0007
MACAU	UL	NATIONAL	1986-87	PREGNANT WOMEN	F	ALL	.0	512	HIV	ELISA	V0017
MALAYSIA	UL	NATIONAL	1989(?)	BLOOD DONORS	B	ALL	.0	5000000	HIV	UNK	B0082
	+UH	KOTA BHARU	1992	IVDU	B	ALL	29.5	210	HIV	ELISA,WB	S0215
MALDIVES	+UL	NOT SPECIFIED	1991	VARIOUS GROUPS	B	ALL	0.0	8311	HIV	UNK	W0076
MONGOLIA	+UL	NOT SPECIFIED	1991	VARIOUS GROUPS	B	ALL	0.0	79671	HIV	UNK	W0076
NEPAL	+UL	NOT SPECIFIED	1991	VARIOUS GROUPS	B	ALL	0.1	34185	HIV	UNK	W0076
	UH	NOT SPECIFIED	1992(?)	IVDU	B	ALL	1.6	127	HIV	UNK	P0096
NEW CALEDONIA	UL	NOUMEA	1986-88	BLOOD DONORS	B	ALL	.0	9917	HIV	ELISA,WB	C0089
	UH	NOUMEA	1986-88	HIGH RISK GROUPS	B	ALL	.0	124	HIV	ELISA,WB	C0089
	OL	RURAL AREAS	1986-88	GENERAL POPULATION	B	ALL	.0	432	HIV	ELISA,WB	C0089

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REGION/ COUNTRY	RISK AREA	GEOGRAPHIC AREA	YEAR	SUB-POPULATION	SEX	AGE	PREV. RATE	SIZE	TYPE	TEST	SOURCE ID
ASIA/OCEANIA - cont'd											
PAKISTAN	UL	KARACHI	1987-89	BLOOD DONORS - PD.	B	ALL	.0	1399	HIV	ELISA*2,WB	M0228
PAPUA NEW GUINEA	UL	NOT SPECIFIED	1987	BLOOD DONORS	B	ALL	.0	199	HIV	UNK	V0017
	UH	NOT SPECIFIED	1987	STD PTS.	B	ALL	.7	287	HIV	UNK	V0017
PHILIPPINES	UL	NOT SPECIFIED	1987	BLOOD DONORS	B	ALL	.0	3200	HIV	ELISA,WB	D0033
	UH	NATIONAL	1987	PROSTITUTES	F	ALL	.1	53376	HIV	ELISA,WB	D0033
	OH	SEVERAL TOWNS	1988	HOSPITALITY GIRLS	F	ALL	.1	14309	HIV	UNK	H0025
SAUDI ARABIA	UL	NATIONAL	1991(?)	BLOOD UNITS	B	ALL	.0	64294	HIV1	ELISA,WB	B0137
SINGAPORE	UL	SINGAPORE	1987	BLOOD DONORS	B	ALL	.0	107833	HIV	UNK	V0017
	UH	NOT SPECIFIED	1991-92	STD CLINIC PTS.	B	ALL	0.4	2044	HIV	ELISA,WB	C0138
SRI LANKA	+UL	NOT SPECIFIED	1991	VARIOUS GROUPS	B	ALL	.0	195148	HIV	UNK	W0076
	+UH	COLOMBO	1986-92	STD CLINIC PTS.	B	ALL	0.1b	N/A	HIV	UNK	A0105
SYRIA	UL	NATIONAL	1990	BLOOD DONORS	B	ALL	.0	52519	HIV	UNK	M0139
TAIWAN	UL	NOT SPECIFIED	1991	BLOOD DONORS	B	ALL	.0	348556	HIV	UNK	C0131
	+UH	TAIPEI	1991-92	STD CLINIC PTS.	B	ALL	0.4	19811	HIV1	ELISA,WB	H0092
	+UH2	TAIPEI	1991-92	STD CLINIC PTS.	B	ALL	0.0	19811	HIV2	ELISA,WB	H0092
THAILAND	+UL	CENTRAL REGION	1993	PREGNANT WOMEN	F	ALL	1.9	4488	HIV	UNK	T0100
	+UH	CENTRAL REGION	1993	PROSTITUTES-DIRECT	F	ALL	35.9	2895	HIV	UNK	T0100
TURKEY	UL	ANKARA	1987-88	PREGNANT WOMEN	F	ALL	.0	416	HIV	ELISA,WB	R0044
	UH	NOT SPECIFIED	1989(?)	RISK GROUPS	B	ALL	1.6	364	HIV1	ELISA,IFA,WB	B0088
VIETNAM	UL	HO CHI MINH CITY	1987-90	URBAN POPULATION	B	ALL	.0	20276	HIV	ELISA,WB	V0044
	+UH	NOT SPECIFIED	1993(?)	VARIOUS GROUPS	B	ALL	0.1	140000	HIV	UNK	F0059
LATIN AMER./ CARIBBEAN											
ANTIGUA AND BARBUDA	+UH	NOT SPECIFIED	1986-90	PROSTITUTES	F	ALL	1.7	1170	HIV	UNK	G0123
ARGENTINA	UL	BUENOS AIRES	1988	BLOOD DONORS - VOL.	B	ALL	.3	15508	HIV	ELISA,IFA,WB	F0024
	UH	BUENOS AIRES	1991	PROSTITUTES	F	ALL	6.3	237	HIV1	ELISA,IFA	Z0030
	OL	NOT SPECIFIED	1991	BLOOD BANKS	B	ALL	.2	159008	HIV	ELISA,WB	F0037
	OH	NOT SPECIFIED	1991	PROSTITUTES	F	ALL	2.0	1833	HIV	ELISA,WB	F0037
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

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REGION/ COUNTRY	RISK AREA	GEOGRAPHIC AREA	YEAR	SUB-POPULATION	SEX	AGE	PREV. RATE	SIZE	TYPE	TEST	SOURCE ID
LATIN AMERICA/CARIBBEAN - cont'd											
BARBADOS	+UL	NOT SPECIFIED	1992	PREGNANT WOMEN	F	ALL	1.2c	777	HIV	ELISA	B0186
											B0187
											B0188
											B0189
	+UH	NOT SPECIFIED	1988	STD PTS.	B	ALL	4.7	184	HIV	UNK	G0123
BOLIVIA	UL	NOT SPECIFIED	1988	PREGNANT WOMEN	F	ALL	.0	372	HIV	IFA,WB	M0078
	UH	NOT SPECIFIED	1988	PROSTITUTES	F	ALL	.0	1094	HIV	IFA,WB	M0078
BRAZIL	+UL	RIO DE JANEIRO	1990-91	PREGNANT WOMEN	F	ALL	0.8	4536	HIV1	ELISA*2,WB	M0275
	UL2	SAO PAULO CITY	1990	PREGNANT WOMEN	F	ALL	.0	500	HIV2	ELISA	L0076
	UH	3 URBAN AREAS	1990-91	PROSTITUTES-LOW INCOME	F	ALL	24.0a	300	HIV1	ELISA,WB	F0047
	UH2	3 URBAN AREAS	1990-91	PROSTITUTES-LOW INCOME	F	ALL	9.7a	300	HIV2	ELISA,WB	F0047
	+OL	MINAS GERAIS ST.	1992	BLOOD DONORS - CONSEC.	B	ALL	0.3	1877	HIV1	ELISA*2,WB	C0152
	+OL2	MINAS GERAIS ST.	1992	BLOOD DONORS - CONSEC.	B	ALL	0.0	1877	HIV2	ELISA*2,WB	C0152
	OH	MINAS GERAIS ST.	1990	PROSTITUTES	F	ALL	.0b	64	HIV1	ELISA,WB	T0046
	OH2	MINAS GERAIS ST.	1987	PROSTITUTES	F	ALL	.0b	86	HIV2	ELISA,RIPA,WB	C0048
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	0.0	462	HIV	UNK	G0123
CHILE	+UL	SANTIAGO	1991	BLOOD DONORS	B	ALL	0.0	82186	HIV	UNK	L0123
	+UH	SANTIAGO	1991	STD CLINIC PTS.	B	ALL	1.0	9893	HIV	UNK	L0123
COLOMBIA	UL	7 MAJOR CITIES	1987	BLOOD DONORS	B	ALL	.1	38077	HIV	ELISA,WB	B0027
	UH	BOGOTA	1985-87	STD CLINIC PTS.	M	ALL	14.6	936	HIV	ELISA,IFA,WB	B0043
COSTA RICA	+UL	SAN JOSE	1991	GENERAL POPULATION	B	ALL	1.1c	6628	HIV1	ELISA	L0125
	+UH	SAN JOSE	1990	STD PTS.	M	ALL	4.3c	325	HIV	ELISA,WB	L0128
CUBA	+UL	NATIONAL	1991	PREGNANT WOMEN	F	ALL	.0	190446	HIV1	ELISA,WB	M0287
	UL2	NATIONAL	1988(?)	GENERAL POPULATION	B	ALL	.0	7215	HIV2	ELISA,WB	M0131
	+UH	NATIONAL	1991	STD PTS.	B	ALL	.0	81889	HIV1	ELISA,WB	M0297
DOMINICAN REPUBLIC	UL	SANTO DOMINGO	1991	PREGNANT WOMEN	F	ALL	1.3	400	HIV	ELISA,WB	G0106
	UH	NOT SPECIFIED	1992	STD CLINIC PTS.	B	ALL	5.0	818	HIV1	ELISA,IFA/WB	G0100
ECUADOR	+UL	QUITO	1992	BLOOD DONORS	B	ALL	.0b	N/A	HIV	ELISA,WB	R0093
	+UH	QUITO	1992	STD PTS.	B	ALL	0.5	191	HIV1	ELISA,WB	R0093
EL SALVADOR	UL	SAN SALVADOR	1991	BLOOD DONORS	B	ALL	.3b	0	HIV	UNK	M0235
	+UH	SAN SALVADOR	1991	PROSTITUTES	F	ALL	2.2	452	HIV1	ELISA	E0036

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LATIN AMERICA/CARIBBEAN - cont'd											
GRENADA	+UL	NOT SPECIFIED	1991	PREGNANT WOMEN	F	ALL	0.0	112	HIV	ELISA	G0140
	+UH	NOT SPECIFIED	1991	STD PTS.	B	ALL	2.4b	41	HIV	ELISA	G0139
GUATEMALA	UL	GUATEMALA CITY	1990-91	PREGNANT WOMEN	F	ALL	.0	500	HIV	ELISA,WB	M0205
	UH	GUATEMALA CITY	1991(?)	STD CLINIC PTS.	B	ALL	.7	300	HIV	UNK	T0065
GUYANA	+UL	NOT SPECIFIED	1992	PREGNANT WOMEN	F	ALL	6.9	145	HIV	ELISA	G0137
	+UH	NOT SPECIFIED	1990	PROSTITUTES	F	ALL	25.0b	71	HIV	ELISA	G0123
HAITI	UL	CITE SOLEIL	1992(?)	HEALTHY ADULTS	B	ALL	15.7	4133	HIV	ELISA/HIVCHK,WB	B0138
	UH	PORT-AU-PRINCE	1989(?)	PROSTITUTES	F	ALL	41.9	129	HIV1	ELISA	G0048
	+OL	NORTH RURAL AREA	1990	PREGNANT WOMEN	F	ALL	4.0	500	HIV	WB	A0097
HONDURAS	UL	TEGUCIGALPA	1991	PREGNANT WOMEN	F	ALL	.2	1292	HIV	ELISA,WB	M0242
	UH	SAN PEDRO SULA	1989	PROSTITUTES	F	ALL	19.8	247	HIV	UNK	Z0035
JAMAICA	+UL	NOT SPECIFIED	1991	BLOOD DONORS	B	ALL	.3	6161	HIV	ELISA	J0034
	UH	KINGSTON	1990	PROSTITUTES	F	ALL	14.6b	48	HIV	ELISA	W0036
MARTINIQUE	UL	NOT SPECIFIED	1987	PREGNANT WOMEN	F	ALL	.5	1103	HIV1	ELISA,WB	C0067
	UH	NOT SPECIFIED	1985-87	PROSTITUTES	F	ALL	38.9b	54	HIV1	ELISA,WB	C0033
MEXICO	UL	MEXICO CITY	1992	BLOOD DONORS - VOL.	B	ALL	.1b	N/A	HIV1	ELISA,WB	H0083
	UH	MEXICO CITY	1987-89	PROSTITUTES	F	ALL	2.2	961	HIV	UNK	U0005
MONTSERRAT	+UL	NOT SPECIFIED	1992	BLOOD DONORS	B	ALL	0.0c	275	HIV	ELISA	M0278 M0279 M0280
NICARAGUA	+UL	MANAGUA	1990-91	BLOOD DONORS	B	ALL	.0	15761	HIV1	UNK	N0110
	+UH	MANAGUA	1990-91	PROSTITUTES	F	ALL	1.6b	61	HIV1	UNK	N0110
PANAMA	UL	NATIONAL	1987	HEALTHY PERSONS	B	ALL	.0	17001	HIV	ELISA,WB	P0018
PARAGUAY	UL	ASUNCION	1992	PREGNANT WOMEN	F	ALL	.0	1500	HIV	ELISA,WB	V0058
	UH	ASUNCION	1987-90	PROSTITUTES	F	ALL	.1	2760	HIV	ELISA,WB	C0112
PERU	UL	NOT SPECIFIED	1987-88	BLOOD DONORS - VOL.	B	ALL	.1	32616	HIV	ELISA,WB	A0014
	UH	NOT SPECIFIED	1987-88	PROSTITUTES	F	ALL	.3	2335	HIV	ELISA,WB	A0014
ST. KITTS/ NEVIS	+UL	NOT SPECIFIED	1992	PREGNANT WOMEN	F	ALL	2.0c	152	HIV	ELISA	S0227 S0241 S0242

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Table 3: Detailed Listing of Estimates of HIV-1 & 2 Seroprevalence, by Residence and Risk Factor, for Developing Countries: Circa 1993

REGION/ COUNTRY	RISK AREA	GEOGRAPHIC AREA	YEAR	SUB-POPULATION	SEX	AGE	PREV. RATE	SIZE	TYPE	TEST	SOURCE ID
LATIN AMERICA/CARIBBEAN - cont'd											
ST. LUCIA	+UL	NOT SPECIFIED	1992	BLOOD DONORS	B	ALL	0.0c	1025	HIV	ELISA	S0218
											S0220
											S0221
	+UH	NOT SPECIFIED	1992	STD PTS.	B	ALL	1.2c	2219	HIV	ELISA	S0217
											S0218
											S0220
											S0221
ST. VINCENT & THE GRENADINES	+UL	NOT SPECIFIED	1992	PREGNANT WOMEN	F	ALL	0.2	429	HIV	ELISA	S0235
	+UH	NOT SPECIFIED	1992	STD PTS.	M	ALL	1.4c	1443	HIV	ELISA	S0234
											S0235
											S0236
SURINAME	+UL	NOT SPECIFIED	1991	PREGNANT WOMEN	F	ALL	0.8c	2391	HIV	ELISA	S0244
											S0245
	+UH	NOT SPECIFIED	1990	PROSTITUES	F	All	2.6	157	HIV	ELISA	S0246
TRINIDAD	+UL	NOT SPECIFIED	1992	BLOOD DONORS	B	ALL	0.2c	12090	HIV	ELISA	T0091
											T0092
											T0093
											T0095
	+UH	PORT OF SPAIN	1991-92	STD CLINIC PTS.	B	ALL	14.7	1664	HIV1	UNK	C0143
URUGUAY	+UL	MONTEVIDEO	1991-92	BLOOD DONORS	B	ALL	0.1	10100	HIV1,2	ELISA,WB	A0118
	+UH	NOT SPECIFIED	1992	PROSTITUTES	F	ALL	5.6	2500	HIV	UNK	S0209
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
	OL	RURAL AREA	1987(?)	GENERAL POPULATION	B	ALL	.0	164	HIV	ELISA,IFA,RIPA,WB	A0022

a Figure shown includes co-infection of HIV1 & 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, 12/93 Update.

REFERENCES

03703 U.S. Department of State, 1993, AIDS/HIV in Malawi - A Status Report, Unclassified cable, 8/93, Lilongwe 03703.

A0014 Aguero, G., F. S. Wignall, W. Alexander, et al., 1988, HIV Infections in Peru, IV International Conference on AIDS, Stockholm, 6/13-14, Poster 5078.

A0022 Azocar, J., C. Martinez, M. F. McLane, et al., 1987, Lack of Endemic HIV Infection in Venezuela, AIDS Research and Human Retroviruses, vol. 3, no. 2, pp. 107-108.

A0032 Andrew, K., T. Kergbo, I. Thorlie, et al., 1989, Prevalence of HIV Seropositivity among STD Patients in Freetown - Sierra Leone, V International Conference on AIDS, Montreal, 6/4-9, Poster W.G.P. 16.

A0042 Andreasson, P. A., F. Dias, J. M. Teixeira Goudiaby, et al., 1989, HIV-2 Infection in Prenatal Women and Vertical Transmission of HIV-2 in Guinea-Bissau, IV Internat. Conf.: AIDS and Assoc. Cancers in Africa, Marseille, Oct. 18-20, Poster 052.

A0046 Andrade, D., L. Leite, S. Theobald, et al., 1989, Taux de Seroprevalence des Anticorps Anti-HIV dans les iles du Cap Vert: Etude par Sondage en Grappe, IV Internat. Conf.: AIDS and Assoc. Cancers in Africa, Marseille, Oct. 18-20, Abstract 047.

A0047 Alandry, G., A. Leguelle, F. F. Sainte-Marie, 1989, HIV Infection in French Polynesia, Medecine Tropicale, vol. 49, no. 1, pp. 71-72.

A0071 Ahemd, S. M., E. H. H. M. Kheir, 1990, Sudanese Sexual Behaviour in the Context of Socio-Cultural Norms and the Transmission of HIV, Anthropological Studies Relevant to the Sexual Transmission of HIV, Sonderborg, Denmark, 11/19-22.

A0086 Asiimwe, G., G. Tembo, W. Naamara, et al., 1992, AIDS Surveillance Report: June 1992, Ministry of Health, AIDS Control Programme Surveillance Unit, Entebbe, Uganda, unpublished report.

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.

A0101 Asagba, A. O., J. J. Andy, T. Ayele, et al., 1992, HIV Sentinel Surveillance in Nigeria, Nigeria Bulletin of Epidemiology, vol. 2, no. 2, pp. 10-13.

A0105 Abeyewickreme, I., 1993, Sexually Transmitted Diseases and HIV in Sri Lanka - 7 Year Review, IX International Conference on AIDS, Berlin, 6/6-11, Abstract PO-C10-2808.

A0118 Arago, Decaro, Russi, et al., 1992, PAHO/WHO HIV Surveillance, Pan American Health Organization/World Health Organization.

B0025 Barreto, J., L. Ingold, F. De La Cruz, et al., 1988, HIV Prevalence in Mozambican Blood Donors (1987), IV International Conference on AIDS, Stockholm, 6/13-14, Poster 5132.

B0027 Boshell, J. S., M. G. Gacharna, D. Saavedra et al., 1988, AIDS in Colombie, IV International Conference on AIDS, Stockholm, 6/13-14, Poster 5080.

B0037 Bailly, C., M. Santiago, M. Abbate, et al., 1988, Situation in Djibouti: Sero Epidemiological Survey, III International Conference: AIDS and Associated Cancers in Africa, Sept. 14-16, Poster.

B0043 Boshell, J. S., M. G. Gacharna, M. Garcia, et al., 1989, AIDS in Columbia, In: AIDS Profile of an Epidemic, PAHO, Scientific Publication no. 514, pp. 37-44.

B0078 Behbehani, K., R. Al-Qwaish, A. Abdul-Wahab, et al., 1988, AIDS Detection and Control Strategy in Kuwait, IV International Conference on AIDS, Stockholm, 6/15-16, Poster 5623.

B0082 Berita, H., 1989, Blood Donors Indentified as AIDS Carriers, Joint Publications Research Service: Epidemiology, Dec. 11, no. 018, pp. 9.

B0088 Bilgiq, A., G. Ugur, S. Erensoy, et al., 1990, HIV-1 and Hepatitis B Virus Infection Risk for the Healthcare Workers of Anaesthesiology and Reanimation in Turkey, VI International Conference on AIDS, San Francisco, 6/20-24, Abstract 3177.

B0092 Bakouan, D., M. Lorenz, L. H. Ouedraogo, et al., 1990, Kap-Study and HIV-Seroprevalence among Prostitutes in Rural Burkina Faso, VI International Conference on AIDS, San Francisco, 6/20-24, Session Th.D.52.

B0094 Brubaker, G., D. Kumbi, E. Konings, et al., 1990, Seroprevalence of Retrovirus Infection in a Population of Tanzania Bordering HIV-1 Endemic Areas, VI International Conference on AIDS, San Francisco, 6/20-24, Poster F.C.659.

B0108 Benoit, S. N., G. M. Gershy-Damet, A. Coulibaly, et al., 1990, Seroprevalence of HIV Infection in the General Population of the Cote d'Ivoire, West Africa, Journal of Acquired Immune Deficiency Syndromes, vol. 3, no. 12, pp. 1193-1196.

B0127 Bazabana, M., J. C. Loukaka, P. M'Pele, et al., 1991, Tendance de l'Infection a VIH chez les Femmes Encientes au Congo, VI International Conference on AIDS in Africa, Dakar, Senegal, 12/16-19, Poster M.A.268.

B0132 Bigot, A., H. Bodeus, G. Burtonboy, 1992, Prevalence of HIV Infection among Prostitutes in Benin (West Africa), Journal of Acquired Immune Deficiency Syndromes, vol. 5, no. 3, pp. 317-319.

B0137 Bernvil, S. S., K. Sheth, M. Ellis, et al., 1991, HIV Antibody Screening in a Saudi Arabian Blood Donor Population: 5 Years Experience, Vox Sanguinia, vol. 61, no. 1, pp. 71-73.

B0138 Boulos, R., J. Coberly, P. Losikoff, et al., 1992, Risk Factors Associated with HIV Infection in Adults Responding to a Community Based TB/HIV Prevention Program, VIII International Conference on AIDS, Amsterdam, 7/19-24, Poster PoC 4061.

B0144 Bhave, G. G., U. D. Wagle, S. Desai, et al., 1992, HIV II Prevalence in Prostitutes of Bombay, VIII International Conference on AIDS, Amsterdam, 7/19-24, Poster PoC 4623.

B0162 Bazabana, M. M., J. C. Loukaka, M. Makuwa, et al., 1992, Surveillance par Reseau de Postes Sentinelles au Niveau District 1991 - 1992: Experience Congolaise, VII International Conference on AIDS in Africa, Yaounde, Cameroon, 12/8-11, Poster T.P.032.

B0169 Ben Salem, N., M. Ben Rachid, C. Hankins, et al., 1993, STD/HIV Seroprevalence among Women Attending an Antenatal Clinic in Tunis, IX International Conference on AIDS, Berlin, 6/6-11, Poster PO-C09-2792.

B0174 Buzingo, T., Y. Alexandre, A. Kamuragiye, et al., 1993, The Epidemiology of HIV and AIDS in Burundi, IX International Conference on AIDS, Berlin, 6/6-11, Poster PO-C07-2750.

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.

C0005 Chungue, E., F. Flye Sainte Marie, J. L. Cartel, et al., 1987, Actual Situation of HIV Infections in French Polynesia, III International Conference on AIDS, Washington, D.C., 6/1-5, Abstract TP.139.

C0033 Chout, R., V. Ursulet, P. Leguyader-Despres, et al., 1988, 3 Years Follow-up Study of the HIV Infection in High Risk Groups and Control Groups in Martinique, IV International Conference on AIDS, Stockholm, 6/15-16, Poster 5519.

C0048 Cortes, E., R. Detels, D. Aboulafia, et al., 1989, HIV-1, HIV-2 and HTLV-1 Infection in High-Risk Groups in Brazil, New England Journal of Medicine, vol. 320, no. 15, pp. 953-958.

C0061 Chevallier, P., J. Ritter, E. Andriamampihantona, et al., 1989, Prevalence des Infections par les Virus HIV 1, HIV 2 et HTLV 1 dans la Region de Tananarive Madagascar, V International Conference on AIDS, Montreal, 6/4-9, Poster M.G.P. 7.

C0067 Chout, R., D. Cales-Quist, M. Verdier, et al., 1989, 4 Year Follow-Up Study of the HIV Infection in High Risk and Control Groups in Martinique (F.W.I), V International Conference on AIDS, Montreal, 6/4-9, Poster T.A.P. 12.

C0089 Capdevielle, P., J. Gueziec, C. Menager, et al., 1989, HIV and AIDS in New Caledonia, Medecine Tropicale, vol. 49, no. 1, pp. 11-16.

C0093 Coulibaly, Y. N., J. L. Sankale, A. Gueye, et al., 1989, HIV-1 and HIV-2 in Mauritania, IV Internat. Conf.: AIDS and Assoc. Cancers in Africa, Marseille, Oct. 18-20, Abstract 028.

C0101 Constantine, N. T., M. F. Sheba, D. M. Watts, et al., 1990, HIV Infection and AIDS in Egypt: A Cumulative Surveillance Over 3 1/2 Years, VI International Conference on AIDS, San Francisco, 6/20-24, Poster F.C.599.

C0112 Cabello, A., M. Cabral, E. Vera, at al., 1991, The Risk of Sexually-Acquired HIV Infection in Paraguay, VII International Conference on AIDS, Florence, Italy, 6/16-21, Poster M.C.3225.

C0122 Corwin, A. L., J. G. Olson, M. A. Omar, et al., 1991, HIV-1 in Somalia: Prevalence and Knowledge among Prostitutes, AIDS, vol. 5, no. 7, pp. 902-904.

C0131 Chang, Y. H., H. M., Hsu, C. Y. Chuang, et al., 1992, Surveillance of HIV and AIDS in Taiwan, VIII International Conference on AIDS, Amsterdam, 7/19-24, Poster PoC 4074.

C0132 Chao, A., P. Habimana, M. Bulterys, et al., 1992, Oral Contraceptive Use, Cigarette Smoking, Age at First Sexual Intercourse, and HIV Infection among Rwandan Women, VIII International Conference on AIDS, Amsterdam, 7/19-24, Poster PoC 4338.

C0138 Chan, R. K. W., A. Fakar, G. C. Leok, 1992, Voluntary Confidential and Unlinked Anonymous HIV Testing in a STD Clinic in Singapore, 2nd International Congress on AIDS in Asia and Pacific, New Delhii, India, 11/8-12, Poster A104.

C0141 Couzineau, B., J. Bouloumie, P. Hovette, et al., 1991, Prevalence of HIV Infection in a Target Population in the Republic of Djibouti, Medecine Tropicale, vol. 51, no. 4, pp. 485-486.

C0143 Cleghorn, F., N. Jack, M. Greenberg, et al., 1993, HIV-1 Seroincidence in an STD Clinic in Trinidad: Rapid Spread of an Mn-like Virus, IX International Conference on AIDS, Berlin, 6/6-11, Abstract WS-C14-3.

C0152 Carneiro-Proietti, A., M. V. Martins, S. Brener, et al., 1993, HIV-1/2 and HTLV-I/II among Eligible Blood Donors from Minas Gerais State, Brasil, IX International Conference on AIDS, Berlin, 6/6-11, Poster PO-C06-2714.

D0020 De la Cruz, F., J. Barreto, C. Palma de Sousa et al., 1988, Seroepidemiological Study on HIV-1 and HIV-2 Prevalence in Mozambican General Population - 1987, IV International Confernece on AIDS, Stockholm, 6/13-14, Poster 5056.

D0033 Dayrit, M. M., O. T. Monzon., V. Basaca-Sevilla, et al., 1987, Emerging Patterns of HIV Infection and Control in the Philippines, Western Journal of Medicine, vol. 147, pp. 723-725.

D0095 Davo, N., C. Adjovi, I. Zohoun, et al., 1991, Sentinel Serosurveillance of HIV in Benin: First Results from 1990, VI International Conference on AIDS in Africa, Dakar, Senegal, 12/16-19, Poster T.A.129.

D0096 Diaw, I., I. Thior, T. Siby, et al., 1991, Prevalence du VIH et MST Majeures chez les Prostituees Nouvellement Inscrites, VI International Conference on AIDS in Africa, Dakar, Senegal, 12/16-19, Session W.O.128.

D0105 Diaw, I., T. Siby, I. Thior, et al., 1992, HIV and STD Infections among Newly Registered Prostitutes in Dakar, VIII International Conference on AIDS, Amsterdam, 7/19-24, Abstract PoC 4333.

D0112 Diallo, M. O., V. Traore, N. Maran, et al., 1992, Sexually Transmitted Diseases and HIV-1/HIV-2 Infections among Pregnant Women Attending Antenatal Clinic in Abidjan, Cote ..., VII International Conference on AIDS in Africa, Yaounde, Cameroon, 12/8-11, Poster T.P.041.

D0113 Diouf, A., N. G. Mbaye, F. Kebe, et al., 1992, Infections a VIH et Perinatalite a Dakar, VII International Conference on AIDS in Africa, Yaounde, Cameroon, 12/8-11, Poster T.P.223.

D0114 Davo, N., C. Adjovii, S. Anagonou, et al., 1992, Approche de l'Epidemie VIH/SIDA au Benin, VII International Conference on AIDS in Africa, Yaounde, Cameroon, 12/8-11, Poster T.P.018.

D0120 Dada, A. J., F. Oyewole, R. Onofowokan, et al., 1993, Lagos, Nigeria-New Delhi, India HIV-1 Connection among High Class Prostitutes, IX International Conference on AIDS, Berlin, 6/6-11, Poster PO-C07-2744.

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.

E0036 Epidemiology Unit, Centinel Site, 1991, PAHO/WHO HIV Surveillance, Pan American Health Organization/World Health Organization.

F0007 Freeman, C. P., E. K. Kollie, L. H. Reithner, et al., 1989, Microeliza HIV Antibody Testing in Two Areas of Liberia West Africa, IV International Conference on AIDS, Stockholm, 6/13-14, Poster 5017.

F0017 Fox, E., E. A. Abbatte, H. H. Wassef, et al., 1989, Low Prevalence of HIV Infection in Djibouti: Has the AIDS Epidemic Come to a Stop at the Horn of Africa?, Transactions of the Royal Society of Tropical Medicine and Hygiene, vol. 83, no. 1, pp. 103-106.

F0024 Fay, O., G. Muchinik, J. Rey, et al., 1989, HIV-Infection in Voluntary Blood Donors in Argentina, V International Conference on AIDS, Montreal, 6/4-9, Poster M.G.O. 29.

F0037 Fay, O., M. Taborda, A. Fernandez, et al., 1991, HIV Seroprevalence among Different Communities in Argentina after Four Years of Surveillance, VII International Conference on AIDS, Florence, Italy, 6/16-21, Poster M.C.3263.

F0038 Fulayfil, R., Z. H. B. Baig, 1991, Prevalence of HIV Antibodies in High Risk Groups, Bahrain, VII International Conference on AIDS, Florence, Italy, 6/16-21, Abstract M.D.4161.

F0047 Fernandes, M. E., A. Reingold, N. Hearst, et al., 1992, HIV in Commercial Sex Workers in Sao Paulo, Brazil, VIII International Conference on AIDS, Amsterdam, 7/19-24, Poster PoC 4100.

F0050 Fernandes, A., R. G. Vaz, A. Esteves, et al., 1992, HIV Seroprevalence among War Displaced Population in a Rural Settlement (Inhaca Island) in Mozambique, VIII International Conference on AIDS, Amsterdam, 7/19-24, Abstract PoC 4708.

F0055 Frerichs, R. R., M. T. Htoon, N. Eskes, et al., 1992, Comparison of Saliva and Serum for HIV Surveillance in Developing Countries, Lancet, vol. 340, no. 8834/8835, pp. 1496-1499.

F0059 Far Eastern Economic Review, 1993, Vietnam AIDS Test, Far Eastern Economic Review, vol. 156, no. 6, p. 14.

G0005 Gurtler, L., J. Eberle, F. Deinhardt, et al., 1987, Prevalence of HIV-1 in Selected Populations of Areas in Malawi, II International Symposium: AIDS and Associated Cancers in Africa, Naples, Italy, 10/7-9, Abstract TH-44.

G0015 Giraldo, G., D. Serwadda, R., Mugerwa, et al., 1988, Seroepidemiologic Analyses on Populations from Uganda and Tunisia-High and Low Risk African Regions for HIV Infections Respect.., IV International Conference on AIDS, Stockholm, 6/13-14, Poster 5038.

G0048 Giordano, M., J. Pape, W. Blattner, et al., 1989, The Seroprevalence of HTLV-1 and HIV-1 Co-Infection in Haiti, V International Conference on AIDS, Montreal, 6/4-9, Poster M.G.P. 3.

G0073 Guerma, T., P. M'Pele, J. C. Loukaka, et al., 1990, Serosurveillance de l'Infection a VIH Par Reseau des Postes Sentinelles Parmi les Femmes Enceintes et des Malades Atteints..., V International Conference: AIDS in Africa, Kinshasa, Zaire, Oct. 10-12, Poster T.P.E.3.

G0091 Giasuddin, A. S. M., M. M. Ziu, I. A. Shaafie, et al., 1991, Brucella and HIV-1 Antibodies in Libyan Blood Donors, Journal of Infection, vol. 22, no. 3, pp. 294-296.

G0092 Goubau, P., K. Kazadi, H. Carton, et al., 1991, HTLV-1 in Zaire and its Relationship to HIV, VI International Conference on AIDS in Africa, Dakar, Senegal, 12/16-19, Poster T.A.159.

G0095 Grant, R. M., N. S. Hellmann, P. S. Nsubuga, et al., 1992, Trends of HIV Seroprevalence and Risk Behaviors in STD Patients in Uganda, VIII International Conference on AIDS, Amsterdam, 7/19-24, Poster PoC 4022.

G0100 Gomez, E., A. Ramirez, C. Pena, et al., 1992, Sentinel Seroprevalence Surveys for HIV-1 Infection in the Dominican Republic, VIII International Conference on AIDS, Amsterdam, 7/19-24 Poster PoC 4066.

G0105 Gichangi, P., M. Temmerman, A. F. Mohamed, et al., 1992, Rapid Increase in HIV-1 Infection and Syphilis between 1989 and 1991 in Pregnant Women in Nairobi, Kenya, VIII International Conference on AIDS, Amsterdam, 7/19-24, Poster PoC 4029.

G0106 Goodman, S., V. Calventi, M. Lavenderia, et al., 1992, Risk Behaviors for HIV among Women of Childbearing Age in the Urban Dominican Republic, VIII International Conference on AIDS, Amsterdam, 7/19-24, Poster PoC 4363.

G0112 Garcia-Calleja, J. M., L. Zekeng, S. Abbenyi, et al., 1992, Validation of the Results Found in Pregnant Women Sentinel Site for HIV Infection in Yaounde, Cameroon, VII International Conference on AIDS in Africa, Yaounde, Cameroon, 12/8-11, Poster T.P.037.

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.

G0139 Grenada Ministry of Health, 1991, PAHO/WHO HIV Surveillance, Aug. 13, Pan American Health Organization/World Health Organization.

G0140 Grenada Ministry of Health, 1991, PAHO/WHO HIV Surveillance, Apr. 25, Pan American Health Organization/World Health Organization.

H0025 Hayes, C., C. Manaloto, L. Padre, et al., 1989, Prospective Studies on HIV Infections of Prostitutes in the Philippines, V International Conference on AIDS, Montreal, 6/4-9, Poster Th.G.O. 25.

H0046 Hailu, K., B. Desta, D. Zewdie, 1990, Prevalence of HIV-1 Antibodies in Pregnant Women in Addis Ababa, Ethiopia, VI International Conference on AIDS, San Francisco, 6/20-24, Abstract 3154.

H0061 Herald, The, 1991, One in Six Expectant Mothers HIV Positive, The Herald Newspaper, Thursday, March 21, p. 1.

H0083 Herrera, F., M. E. Gallardo, 1992, Nation-Wide HIV1 Seroprevalence in Mexican Blood Donors: Third Report, VIII International Conference on AIDS, Amsterdam, 7/19-24, Poster PoC 4065.

H0086 Hasan, M., D. Barsoum, 1992, Acceptability of Screening for HIV Infection among Women Attending Family Planning Clinics in Cairo, Egypt, VIII International Conference on AIDS, Amsterdam, 7/19-24, Abstract PoC 5143.

H0092 Hwa-Chen, L., 1993, Prevalence of HIV-1 and HIV-2 in STD Patients in Taipei, IX International Conference on AIDS, Berlin, 6/6-11, Abstract PO-C20-3087.

J0009 Josse, R., E. Delaporte, A. Trebuco, et al., 1988, Seroepidemiological Survey of HIV Infection in Equatorial Guinea, III International Conference: AIDS and Associated Cancers in Africa, Sept. 14-16, Poster TP 12.

J0022 Joshi, S. H., S. S. Chipkar, R. S. Patil, 1992, HIV-1 and HIV-2 Infection in Bombay, 2nd International Congress on AIDS in Asia and Pacific, New Delhi, India, 11/8-12, Poster B319.

J0028 Jeannal, D., B. Garin, 1992, HTLV-1 and HIV in the Republic of Guinea and in Inongo, Zaire, VII International Conference on AIDS in Africa, Yaounde, Cameroon, 12/8-11, Poster W.RT.Jeannel.

J0034 Jamaica Ministry of Health Epidemiology Unit, 1991, PAHO/WHO HIV Surveillance, May 1, Pan American Health Organization/World Health Organization.

K0007 KPL (Vientiane), 1991, One HIV-Positive Case Discovered in Vientiane, Joint Publications Research Service: Epidemiology, April 8, no. 007, p. 8.

K0026 Kam, C. C., T. Schwarz, B. C. Dando, et al., 1988, Prevalence of HIV1 in Mauritius, IV International Conference on AIDS, Stockholm, 6/15-16, Poster 5520.

K0033 Kanki, P. J., S. M'Boup, D. Richard, et al., 1987, Human T-lymphotropic Virus Type 4 and the Human Immunodeficiency Virus in West Africa, Science, vol. 236, no. 4803, pp. 827-831.

K0060 Kosia, A., T. Kargbo, E. Mokiu, et al., 1989, Prevalence of HIV-I and HIV-II among Blood Donors in Sierra, Leone, IV Internat. Conf.: AIDS and Assoc. Cancers in Africa, Marseille, Oct. 18-20, Poster 390.

K0070 Kaptue, L., L. Zekeng, R. Salla, et al., 1990, Setting Up a Sentinel Surveillance System for HIV Infection in Cameroon, VI International Conference on AIDS, San Francisco, 6/20-24, Poster F.C.597.

K0073 Kaptue, L., L. Zekeng, P. Feldblum, et al., 1990, HIV-2 Infection among High Risk Groups in Yaounde, Cameroon, V International Conference: AIDS in Africa, Kinshasa, Zaire, Oct. 10-12, Poster W.P.B.3.

K0074 Kourouma, K., K. Kaba, L. Koivogui, 1990, Seroprevalence de l'Infection a VIH Chez les Donneurs de Sang a Conakry, Guinee, V International Conference: AIDS in Africa, Kinshasa, Zaire, Oct. 10-12, Poster T.P.E.6.

K0076 Kirsch, T., A. J. Rasamindrakotokra, U. Hof, et al., 1990, Introduction of a Nationwide HIV Sentinel Surveillance System in Madagascar, V International Conference: AIDS in Africa, Kinshasa, Zaire, Oct. 10-12, Poster T.P.E.17.

K0096 Kanyama, I. D. A., 1991, Sentinel Surveillance of HIV Infection in Northern Zambia, VII International Conference on AIDS, Florence, Italy, 6/16-21, Abstract M.C.3301.

K0116 Katlama, C., F. Simon, E. Pichard, et al., 1991, Infection VIH1, VIH2 et VIH1&2 chez des Femmes Prostituees au Mali, VI International Conference on AIDS in Africa, Dakar, Senegal, 12/16-19, Session M.O.137.

K0125 Kapiga, S., D. J. Hunter, J. F. Shao, et al., 1992, Contraceptive Practice and HIV-1 Infection among Family Planning Clients in Dar es Salaam, Tanzania, VIII International Conference on AIDS, Amsterdam, 7/19-24, Poster PoC 4343.

K0127 Karita, E., P. Van de Perre, A. Nziyumvira, et al., 1992, HIV Seroprevalence among STD Patients in Kigali, Rwanda, during the Four-Year Period 1988-1991, VIII International Conference on AIDS, Amsterdam, 7/19-24, Poster PoC 4468.

K0155 Kabwa, P., G. Sahlmueller, F. V. Sonnenburg, et al., 1993, Comparison of HIV Prevalence in Different Groups in Kabarole District, Western Uganda, IX International Conference on AIDS, Berlin, 6/6-11, Poster PO-C29-3253.

L0022 Lopes Martins, J., W. F. Canas Ferreira, E. Prieto, et al., 1988, Study of HIV-1 and HIV-2 Infection in Sao Tome Island, III International Conference: AIDS and Associated Cancers in Africa, Sept. 14-16, Poster TP 5.

L0040 Lecatsas, G., J. J. Joubert, C. H. J. Schutte, et al., 1988, HIV Seropositivity in East Caprivi, SEA/Namibia, South African Medical Journal, vol. 74, pp. 590-591.

L0074 Lakias, S., K. Kourouma, M. P. Diallo, et al., 1991, HIV-1/2 Seroprevalence in Guinea Conakry, VII International Conference on AIDS, Florence, Italy, 6/16-21, Poster M.C.3300.

L0076 Longo, I., P. O. Flores, N. Mendes, et al., 1991, Seroprevalence of HIV-1 in Puerperal Women in Sao Paulo, Brazil, VII International Conference on AIDS, Florence, Italy, 6/16-21, Poster W.C.3224.

L0086 Lankoande, S., A. Rochereau, D. S. Mugrditchian, et al., 1991, Etiologies of Urethritis and GUD in Young Men Attending Health Centers in Bobo-Dioulasso, Burkina Faso, VI International Conference on AIDS in Africa, Dakar, Senegal, 12/16-19, Session W.O.124.

L0097 Leong, S., C. K. Lin, K. H. Mak, 1992, Prevention of Transfusion Transmitted HIV Infection in Hong Kong by the Blood Transfusion Service, VIII International Conference on AIDS, Amsterdam, 7/19-24, Poster PoD 5166.

L0119 Ladner, J., A. De Clercq, M. Nyiraziraje, et al., 1993, HIV Seroprevalence and Counselling in Pregnant Women a Cohort Study in Kigali (Rwanda), 1992, IX International Conference on AIDS, Berlin, 6/6-11, Poster PO-D15-3884.

L0123 Lake, E. T., H. L. Smith, L. H. Aiken, et al., 1993, HIV Surveillance and Transmission Patterns in Santiago, Chile 1991, IX International Conference on AIDS, Berlin, 6/6-11, Poster PO-C06-2700.

L0125 Laboratorio Nacional de Referencie, 1991, PAHO/WHO HIV Surveillence, Pan American Health Organization/World Health Organizstion.

L0128 Lezama, L., 1990, PAHO/WHO HIV Surveillance, Pan American Health Organization/World Health Organization.

M0054 Maiga, M., F. Deniaud, J. de Saint-Martin, et al., 1988, HIV-1 and HIV-2 Seroprevalence in Bamako, Mali, III International Conference: AIDS and Associated Cancers in Africa, Sept. 14-16, Poster TP 10.

M0060 Mintz, E., R. Peele, S. K. Mathur, et al., 1988, A Serologic Study of HIV Infection in Liberia, Journal of Acquired Immune Deficiency Syndromes, vol. 1, no. 1, pp. 67-68.

M0078 Melgar, M. L., F. Mavario, J. Mariscelet, et al., 1989, Seroprevalence of HIV Infection in Bolivia, V International Conference on AIDS, Montreal, 6/4-9, Abstract G. 512.

M0101 Murzi, M., 1989, Plan to Combat AIDS, Testing Described, Joint Publications Research Service: Epidemiology, Sept. 28, no. 016, pp. 17-18.

M0131 Martin, R., F. Machado, J. Menendez, et al., 1990, Study for the Detection of Antibodies and Follow-Up of Seropositives Subjects to HIV and AIDS Patients, VI International Conference on AIDS, San Francisco, 6/20-24, Poster Th.C.685.

M0134 McCarthy, M. C., El Hag, A. E.T., 1990, HIV-1 Infection in Juba, Southern Sudan, VI International Conference on AIDS, San Francisco, 6/20-24, Poster F.C.605.

M0139 Ministry of Health (Syria), 1990, AIDS Testing Activities of the National AIDS Control Programme in Syria, Unpublished.

M0143 Mingle, J., M. Osei-Kwesi, P. Antwi, et al., 1990, HIV-1 and HIV-2 Seroprevalence in Three Population Groups in Ghana, V International Conference: AIDS in Africa, Kinshasa, Zaire, Oct. 10-12, Poster T.P.E.5.

M0146 Mefane, C., D. Benoni, M. Guerch, et al., 1989, Seroprevalence des Infections a Retrovirus Humains a Libreville (Gabon), Medecine d'Afrique Noire, vol. 36, no. 6, pp. 491-496.

M0186 Modan, B., R. Goldschmidt, E. Rubinstein, et al., 1992, Prevalence of HIV Antibodies in Transsexual and Female Prostitutes, American Journal of Public Health, vol. 82, no. 4, pp. 590-592.

M0204 Manny, N., S. Msayan, A. Vansover, et al., 1992, HIV1 Rates at Hadassah Hospital Blood Donors 1986-1991, VIII International Conference on AIDS, Amsterdam, 7/19-24, Abstract PoC 4006.

M0205 Mejia, C., M. Samcam, E. Quinonez, et al., 1992, Human Immunodeficiency Virus (HIV) Infection in Guatemala, VIII International Conference on AIDS, Amsterdam, 7/19-24, Abstract PuC 8137.

M0228 Mujeeb, S. A., M. Rafiq Khanani, T. Khursheed, et al., 1991, Prevalence of HIV-Infection among Blood Donors, Journal of the Pakistan Medical Association, vol. 41, no. 10, pp. 253-254.

M0235 Martinez, A. B., 1992, AIDS in El Salvador, Links, vol. 9, no. 1, p. 16.

M0237 Makiu, E. J. K., A. M. Kosia, N. Mansaray, 1992, A Strategy to Control HIV Infection among Female Commerical Sex Workers (CSW) and Their Clients in Freetown, Sierra Leone, VII International Conference on AIDS in Africa, Yaounde, Cameroon, 12/8-11, Abstract T.P.098.

M0241 Mahomed, K., J. Kasule, D. Makuyana, et al., 1991, Seroprevalence of HIV Infection amongst Antenatal Women in Greater Harare, Zimbabwe, Central African Journal of Medicine, vol. 37, no. 10, pp. 322-325.

M0242 Menjivar, A., J. Fernandez, 1991, KAP's on AIDS and HIV/AIDS Seroprevalence Studyicas Sobre V.I.H./SIDA Y Estudio de Seroprevalencia de V.I.H. en Mujeres ..., National AIDS Control Program, Ministry of Health, unpublished 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.

M0247 Maiga, M. K., H. A. Sangho, S. Fongoro, 1992, Transmission Materno-Foetale du Sida au Mali, VII International Conference on AIDS in Africa, Yaounde, Cameroon, 12/8-11, Abstract T.P.220.

M0251 Menya, D., K. Wools, F. Mulli, et al., 1992, Prevalence of Common Sexually Transmitted Diseases (STDs) in Women Attending Maternal and Child Health (MCH) Clinics in a ..., VII International Conference on AIDS in Africa, Yaounde, Cameroon, 12/8-11, Poster W.P.186.

M0256 Mhalu, F., A. Swai, D. Mwakagile, et al., 1992, Surveillance and Control of HIV-1 Transmission among Female Bar workers in Dar es Salaam 1986-1991, VII International Conference on AIDS in Africa, Yaounde, Cameroon, 12/8-11, Poster T.P.108.

M0265 Minister of Public Health, 1993, Serosurveillance Report of HIV Infection, Republic of Zaire, National Control Programme Against AIDS, Central Coordination Bureau, BCC/SIDA, Offical Report.

M0266 Ministry of Public Health & Social Affairs, 1992, WHO Report on AIDS Surveillance, SFI/GPA/WHO/11.8, Official Report.

M0267 Ministry of Health Kingdom of Lesotho, 1993, HIV Prevalence data, In: Update on HIV/AIDS in Lesotho, Disease Control and Environmental Health Division, WHO, March 1993, pp. 8-10.

M0272 Monny-Lobe, M., M. Ella, V. Ngoumou, et al., 1993, A Comparative HIV Seroprevalence Study among CSWs in Yaounde and Douala - Cameroon, IX International Conference on AIDS, Berlin, 6/6-11, Abstract PO-C31-3300.

M0274 Myoung-Don, O., C. Kangwon, S. Yungoh, et al., 1993, Current Status of HIV/AIDS Epidemic in South Korea, IX International Conference on AIDS, Berlin, 6/6-11, Poster PO-C08-2769.

M0275 May, S. B., M. A. Perez, M. E. Pinto, et al., 1993, High Prevalence of HIV-1 Infection in a Representative Sample of Childbearing Women in Rio de Janeiro, Brazil, IX International Conference on AIDS, Berlin, 6/6-11, Poster PO-C11-2856.

M0278 Montserrat Health Department, 1993, PAHO/WHO HIV Surveillance, Feb. 3, Pan American Health Organization/World Health Organization.

M0279 Montserrat Health Department, 1992, PAHO/WHO HIV Surveillance, Nov. 10, Pan American Health Organization/World Health Organization.

M0280 Montserrat Health Department, 1992, PAHO/WHO HIV Surveillance, June 2, Pan American Health Organization/World Health Organization.

M0287 Minsalud, 1991, PAHO/WHO HIV Surveillance, Pan American Health Organization/World Health Organization.

M0297 Ministerio de Salud Publica, 1991, PAHO/WHO HIV Surveillance, Pan American Health Organization/World Health Organization.

N0003 New Visions, 1987, AIDS Incidence Termed "Alarming", Joint Publications Research Service: Epidemiology, April 27, no. 010, p. 71.

N0052 Nasidi, A., T. O. Harry, I. Mohammed, et al., 1989, HIV-1 and HIV-2 Infection in Nigeria - A Case of Low Endemicity, IV Internat. Conf.: AIDS and Assoc. Cancers in Africa, Marseille, Oct. 18-20, Abstract 046.

N0083 NACP/MOH (Ethiopia), 1992, Surveillance and Research Activities on HIV/AIDS: Activities Accomplished So Far in Ethiopia, 1984-1991, Ethiopia NACP/MOH data, unpublished report.

N0087 NACP, 1992, Report on the First HIV Sentinel Surveillance in Botswana, July, Unpublished Report.

N0097 Namboze, J. M., 1993, AIDS/HIV Update - Botswana, WHO/Botswana, unpublished memo.

N0110 Nicaragua, 1991, PAHO/WHO HIV Surveillance, Pan American Health Organization/World Health Organization.

O0029 Ouedraogo, L. H., N. Lorenz, D. Bakouan, et al., 1990, HIV - Baseline Study in the General Population of Corom Corom/Burkina Faso, VI International Conference on AIDS, San Francisco, 6/20-24, Poster F.C.595.

O0044 Ousseini, H., J. L. Pecarrere, D. Meynard, et al., 1991, Evolution de la Seroprevalence des Infections a VIH1 et VIH2 a l'Hopital National de Niamey, Niger, Bulletin de la Societe de Pathologie Exotique, vol. 84, no. 3, pp. 235-239.

P0018 Pereira, M., A. H. dePereira, C. A. Garcia, et, al., 1988, First Study on the Prevalence of HIV in the Forces of Defense of Panama, IV International Conference on AIDS, Stockholm, 6/13-14, Abstract 5088.

P0059 Petat, E., F. Martinet, F. Barin, 1990, Prevalence of HIV Infection in the Comoros Islands (Indian Ocean), Journal of Acquired Immune Deficiency Syndromes, vol. 3, no. 11, pp. 1115-1117.

P0062 Pepin, J., G. Morgan, D. Dunn, et al., 1991, HIV-2-Induced Immunosuppression among Asymptomatic West African Prostitutes: Evidence that HIV-2 is Pathogenic, but less so ..., AIDS, vol. 5, no. 10, pp. 1165-1172.

P0074 Pyndiah, N., C. Chan Kam, B. Jowaheer, et al., 1991, Prevalence of HIV/AIDS in Mauritius, VII International Conference on AIDS, Florence, Italy, 6/16-21, Poster M.C.3285.

P0096 Peak, A. M., S. Rana, M. Aryal, et al., 1992, Development and Implementation of a Needle Exchange Programme for Injecting Drug Users in Nepal, 2nd International Congress on AIDS in Asia and Pacific, New Delhi, India, 11/8-12, Poster B208.

P0103 Procupet, A., L. Fernandes, C. Lemos, 1992, Seroprevalence du VIH chez les Donneurs de Sang de Onze Provinces de la Republique d'Angola, VII International Conference on AIDS in Africa, Yaounde, Cameroon, 12/8-11, Poster T.P.158.

R0044 Rota, S., A. Yildiz, H. Guner, et al., 1989, HIV Antibody Screening in a Gynecology and Obstetrics Clinic Ankara, Turkey, International Journal of Gynaecology and Obstetrics, vol. 30, no. 4, pp. 395-396.

R0046 Riyad, M., O. Serrhini, S. Sekket, et al., 1990, Transmission Sexuelle du HIV au Maroc, V International Conference: AIDS in Africa, Kinshasa, Zaire, Oct. 10-12, Poster T.P.C.5.

R0051 Rodier, G., E. Fox, D. Watts, et al., 1991, A Dramatic Increase in the Prevalence of HIV Infection in Djibouti, VII International Conference on AIDS, Florence, Italy, 6/16-21, Poster M.C.3031.

R0059 Ricard, D., H. A. Wilkins, A. P. da Silva, et al., 1991, HIV-2 Infection in a Rural Area of Guinea Bissau, VI International Conference on AIDS in Africa, Dakar, Senegal, 12/16-19, Poster T.A.142.

R0065 RSA Department of National Health and Population Development, 1991, AIDS in South Africa: Status on World AIDS Day 1991, Epidemiological Comments, vol. 18, no. 11, pp. 229-249.

R0089 RSA Dept. of National Health and Population Development, 1993, Third National HIV Survey of Women Attending Antenatal Clinics, South Africa, October/November 1992, Epidemiological Comments, vol. 20, no. 3, pp. 35-50.

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.

R0093 Reyes, O., G. Leoro, M. Aguilar, et al., 1993, Sentinel Serosurveillance for HIV in STD Patients, Quito, Ecuador, 1991-1992, IX International Conference on AIDS, Berlin, 6/6-11, Poster PO-C20-3085.

S0043 Santos-Ferreira, M., M. Matos Almeida, A. Lourenco, et al., 1988, HIV 1 and HIV 2 Seroprevalence in Patients Attending an STD-Clinic in Lunda-Norte, N.E. Province of Popular Republic of Angola, III International Conference: AIDS and Associated Cancers in Africa, Sept. 14-16, Poster TP 16.

S0110 Santos-Ferreira, M. O., T. Cohen, M. H. Lourenco, et al., 1990, A Study of Seroprevalence of HIV-1 and HIV-2 in Six Provinces of People's Republic of Angola: Clues to the Spread of HIV ..., Journal of Acquired Immune Deficiency Syndromes vol. 3, pp. 780-786.

S0145 Sangare, L., N. Luki, K. Travers, et al., 1991, Infections a VIH chez les Femmes Enceintes a Bobo-Dioulasso (Burkina-Faso), VI International Conference on AIDS in Africa, Dakar, Senegal, 12/16-19, Poster M.A.286.

S0152 Schrijvers, D., E. Delaporte, M. Peeters, et al., 1988, Role of Sexually Transmissible Pathogens in Transmitting HIV-1, Genitourinary Medicine, vol. 64, no. 6, pp. 395-396.

S0161 Shiokawa, Y., K. Soda, K. Nishioka, et al., 1992, Current Status of HIV/AIDS Epidemic in Japan, VIII International Conference on AIDS, Amsterdam, 7/19-24, Poster PoC 4085.

S0195 Skalsky, J., 1992, HIV and AIDS in a Rural Area of the South West Province of Cameroon, VII International Conference on AIDS in Africa, Yaounde, Cameroon, 12/8-11, Poster T.P.007.

S0209 Somma, V., B. Rivas, M. Correa, 1993, Prostitution and AIDS in Uruguay, IX International Conference on AIDS, Berlin, 6/6-11, Abstract PO-D09-3669.

S0215 Singh, S., N. Crofts, D. Gertig, 1993, HIV Infection among IDUs in North-East Malaysia, IX International Conference on AIDS, Berlin, 6/6-11, Poster PO-C08-2777.

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.

S0244 Surinam National AIDS Programme, 1991, PAHO/WHO HIV Surveillance, Apr. 25, Pan American Health Organization/World Health Organization.

S0245 Surinam National AIDS Programme, 1991, PAHO/WHO HIV Surveillance, Sept. 11, Pan American Health Organization/World Health Organization.

S0246 Surinam National AIDS Programme, 1991, PAHO/WHO HIV Surveillance, Jan. 30, Pan American Health Organization/World Health Organization.

T0040 Tembo, G., E. Van Praag, H. Mutombo, et al., 1990, Sentinel Surveillance of HIV Infection in Zambia, V International Conference: AIDS in Africa, Kinshasa, Zaire, Oct. 10-12, Poster T.P.E.28.

T0046 Tondo, M., C. M. Cruz, P. McGreevy, et al., 1991, Three Year Study of Female Prostitutes in a Rural Area in Brazil, VII International Conference on AIDS, Florence, Italy, 6/16-21, Poster M.C.3074.

T0065 Terraza S., R. Solorzano, B. Somoyoa, et al., 1992, HIV Infection and Risk Behaviors in a STD Clinic in Guatemala City, VIII International Conference on AIDS, Amsterdam, 7/19-24, Abstract PuC 8227.

T0085 Traore-Ettiegne, V., P. D. Ghys, M. O. Diallo, et al., 1993, High Prevalence of HIV Infections and Other STD in Female Prostitutes in Abidjan, IX International Conference on AIDS, Berlin, 6/6-11, Session WS-C08-3.

T0091 Trinidad & Tobago Ministry of Health, 1993, PAHO/WHO HIV Surveillance, Jan. 20, Pan American Health Organization/World Health Organization.

T0092 Trinidad & Tobago Ministry of Health, 1992, PAHO/WHO HIV Surveillance, Nov. 5, Pan American Health Organization/World Health Organization.

T0093 Trinidad & Tobago Ministry of Health, 1992, PAHO/WHO HIV Surveillance, July 18, Pan American Health Organization/World Health Organization.

T0095 Trinidad & Tobago Ministry of Health, 1992, PAHO/WHO HIV Surveillance, Apr. 13, Pan American Health Organization/World Health Organization.

T0100 Thailand Ministry of Public Health, 1993, National Sentinel Seroprevalence, June, unpublished tables.

U0005 Uribe, P., A. M. Hernandez, H. G. Ornelas. et al., 1990, Analysis of Factors Related with HIV Infection in 961 Female Sexual Workers, VI International Conference on AIDS, San Francisco, 6/20-24, Abstract Th.D.777.

V0017 Virus Information Exchange Newsletter, 1987, AIDS Information Update from WHO Western Pacific Regional Office, Virus Information Exchange Newletter, vol. 4, no. 3, pp. 74-75.

V0044 Vietnam News Agency, 1990, AIDS Tests in Ho Chi Minh City, Summary of World Broadcasts, Apr. 25, Third Series FE/W0125, p. A/7.

V0053 Vaz, R. G., A. Fernandes, R. Bastos, et al., 1992, HIV Seroprevalence among Patients Attending an STD Clinic in Maputo, Mozambique, VIII International Conference on AIDS, Amsterdam, 7/19-24, Abstract PuC 8020.

V0058 Vera, E., M. Cabral, R. Jimenez, et al., 1992, The First Study of HIV, HBV and Syphilis in Pregnant Women in Paraguay, VIII International Conference on AIDS, Amsterdam, 7/19-24, Poster PoC 4068.

W0027 Wilkins, A., R. Hayes, P. Alonso, et al., 1991, Risk Factors for HIV-2 Infection in the Gambia, AIDS, vol. 5, no. 9, pp. 1127-1132.

W0036 White, E., P. Weller, J. P. Figueroa, et al., 1990, National AIDS Control Program, Jamaica Program Director, University of California, San Francisco, VI International Conference on AIDS, San Francisco, 6/20-24, Abstract F.C.591.

W0060 Whiteside, A., 1992, An Evaluation of the Likely Impact of AIDS on the Mananga Medical Service Subscribing Companies, Draft Report, pp. 1-12.

W0061 Whiteside, A., 1991, HIV Infection and AIDS in Zimbabwe: An Assessment, Southern Africa Foundation for Economic Research, Economic Research Unit, University of Natal, pp. 1-50.

W0069 World Health Organization, 1991, Global Programme on AIDS, Weekly Epidemiological Record, vol. 66, no. 35, pp. 257-259.

W0071 Wade, A., A. Dieng-Sarr, A. A. Diallo, et al., 1992, Tendances Epidemiologiques des Infections HIV-2 et HIV-1 dans une Zone d'Endemicite HIV-2: Experience du Senegal, VII International Conference on AIDS in Africa, Yaounde, Cameroon, 12/8-11, Poster T.P.004.

W0076 WHO/SERRO, AIDS Unit, 1992, HIV Infection/AIDS and Sexually-Transmitted Diseases, Bulletin of Regional Health Information, SEA/HS/186, pp. 65-70.

W0078 Wong, K. H., S. S. Lee, W. L. Lim, 1993, HIV Surveillance among Drug Users in Hong Kong, IX International Conference on AIDS, Berlin, 6/6-11, Poster PO-C08-2782.

Y0013 Yeoh, E., 1990, The Growing Problem of AIDS in Asia, VI International Conference on AIDS, San Francisco, 6/24, Closing Ceremony, vol. 3, p. 93.

Z0009 Zeudie, D., S. Ayehunie, F. Ketema, et al., 1988, Degree of ELISA False Positivity in Non-risk Groups to HIV-1 Infection, III International Conference: AIDS and Associated Cancers in Africa, Sept. 14-16, Abstract WP 26.

Z0022 Zahraoui, M., F. Denis, K. Marhoum, et al., 1991, Etude de la Seroprevalence des Virus HTLV-1, HIV-1, HIV-2 et Herpes 6 Virus (HHV6) au Maroc, VI International Conference on AIDS in Africa, Dakar, Senegal, 12/16-19, Abstract T.A.143.

Z0030 Zapiola, I., M. B. Bouzas, G. Muchinik, et al., 1992, HIV-1 and HTLV-I/II among Prostitutes in Buenos Aires, Argentina, VIII International Conference on AIDS, Amsterdam, 7/19-24, Poster PoC 4661.

Z0035 Zelaya, J. E., M. Thibaud, R. Oviedo, et al., 1989, Seroprevalence of Anti-HIV Antibodies in Prostitutes from Tegucigalpa and San Pedro Sula, Honduras, National AIDS Control Program: Science and Technology Unit, Family Health International, unpublished report.

Z0036 Zeng, Y., 1992, HIV Infection and AIDS in China, Archives of STD/HIV Research, vol. 6, no. 4, pp. 1-5.