

HIV/AIDS

Surveillance Supplemental Report

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AIDS Cases Diagnosed in 1997 and 1998

**By Sex, Race/Ethnicity,
Age at Diagnosis,
and Risk Exposure**



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

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National Center for HIV, STD, and TB Prevention
Atlanta, Georgia 30333



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Single copies of the *HIV/AIDS Surveillance Supplemental Report* are available from the CDC National Prevention Information Network (NPIN), P.O. Box 6003, Rockville, MD 20849-6003; telephone 1-800-458-5231 or 1-301-562-1098.

The *HIV/AIDS Surveillance Supplemental Report* is accessible on the Internet:
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Commentary

Although the number of newly reported AIDS cases continues to decrease in the United States as a result of highly active antiretroviral therapy, the overall number of AIDS cases remains significant. Data adjusted for delays in reporting showed adults and adolescents diagnosed with AIDS to be an estimated 49,689 in 1997 and 44,296 in 1998. The proportion of cases among women increased slightly in 1998, accounting for approximately one fourth of the cases.

AIDS incidence data increasingly reflect those for whom medical treatments were not available, effective or used. Some persons receive their AIDS diagnosis at the same time they learn about their HIV infection, precluding therapies to prevent an AIDS diagnosis. Others may have been infected for many years and have recently developed AIDS despite medical treatments and therapies. For these reasons, current AIDS incidence data should be interpreted with caution and can no longer be used to describe patterns in HIV incidence.

This report will provide more detailed information about the epidemiology of HIV/AIDS at the national level to complement the information contained in the semiannual HIV/AIDS surveillance reports. It presents AIDS cases cross-tabulated by sex, race/ethnicity, age group at diagnosis, and risk exposure category for 1997 and for 1998. This presentation shows the distribution of age at diagnosis within sex, race/ethnicity, and risk exposure categories. For example, differences in the age distribution for persons infected with HIV through injection drug use versus those infected through heterosexual contact are evident in some racial/ethnic groups. Although AIDS incidence is affected by HIV incidence trends, and testing and treatment patterns, state and local areas can present local data similar to this report to identify populations, such as heterosexually active minority youth, for prevention interventions.

Estimated male adult/adolescent AIDS cases diagnosed in 1997 adjusted for reporting delays and risk redistribution

White, not Hispanic

Exposure Category	Age at diagnosis							
	13-24		25-39		40-64		65+	
	No.	%	No.	%	No.	%	No.	%
Men who have sex with men (MSM)	178	66.4	5,584	73.8	4,199	72.6	137	72.5
Injection drug use (IDU)	33	12.3	888	11.7	860	14.9	10	5.3
MSM and IDU	15	5.6	667	8.8	334	5.8	5	2.6
Hemophilia/coagulation disorder	22	8.2	56	0.7	30	0.5	3	1.6
Blood transfusion/components	4	1.5	30	0.4	53	0.9	10	5.3
Heterosexual contact	15	5.6	329	4.3	290	5.0	21	11.1
Other	1	0.4	14	0.2	14	0.2	3	1.6
Total	268		7,568		5,780		189	

Black, not Hispanic

Exposure Category	Age at diagnosis							
	13-24		25-39		40-64		65+	
	No.	%	No.	%	No.	%	No.	%
Men who have sex with men (MSM)	298	64.2	3,939	48.9	2,148	29.8	105	34.8
Injection drug use (IDU)	65	14.0	2,230	27.7	3,413	47.4	102	33.8
MSM and IDU	16	3.4	557	6.9	442	6.1	8	2.6
Hemophilia/coagulation disorder	5	1.1	20	0.2	15	0.2	2	0.7
Blood transfusion/components	3	0.6	32	0.4	38	0.5	8	2.6
Heterosexual contact	71	15.3	1,254	15.6	1,130	15.7	76	25.2
Other	6	1.3	19	0.2	17	0.2	1	0.3
Total	464		8,051		7,203		302	

Hispanic

Exposure Category	Age at diagnosis							
	13-24		25-39		40-64		65+	
	No.	%	No.	%	No.	%	No.	%
Men who have sex with men (MSM)	173	56.4	2,218	49.1	1,096	37.5	36	31.3
Injection drug use (IDU)	64	20.8	1,454	32.2	1,242	42.5	27	23.5
MSM and IDU	20	6.5	285	6.3	150	5.1	2	1.7
Hemophilia/coagulation disorder	5	1.6	13	0.3	5	0.2	0	.
Blood transfusion/components	2	0.7	19	0.4	21	0.7	6	5.2
Heterosexual contact	39	12.7	512	11.3	402	13.8	42	36.5
Other	4	1.3	14	0.3	7	0.2	2	1.7
Total	307		4,515		2,923		115	

Estimated male adult/adolescent AIDS cases diagnosed in 1997 adjusted for reporting delays and risk redistribution

Asian/Pacific Islander

Exposure Category	Age at diagnosis							
	13-24		25-39		40-64		65+	
	No.	%	No.	%	No.	%	No.	%
Men who have sex with men (MSM)	12	85.7	127	72.2	82	61.7	3	50.0
Injection drug use (IDU)	1	7.1	20	11.4	28	21.1	1	16.7
MSM and IDU	0	.	5	2.8	4	3.0	0	.
Hemophilia/coagulation disorder	1	7.1	1	0.6	0	.	0	.
Blood transfusion/components	0	.	2	1.1	4	3.0	0	.
Heterosexual contact	0	.	20	11.4	14	10.5	2	33.3
Other	0	.	1	0.6	1	0.8	0	.
Total	14		176		133		6	

American Indian/Alaska Native

Exposure Category	Age at diagnosis							
	13-24		25-39		40-64		65+	
	No.	%	No.	%	No.	%	No.	%
Men who have sex with men (MSM)	1	33.3	47	52.8	28	65.1	0	.
Injection drug use (IDU)	1	33.3	22	24.7	8	18.6	0	.
MSM and IDU	1	33.3	10	11.2	0	.	0	.
Hemophilia/coagulation disorder	0	.	1	1.1	0	.	0	.
Blood transfusion/components	0	.	0	.	0	.	0	.
Heterosexual contact	0	.	8	9.0	7	16.3	0	.
Other	0	.	1	1.1	0	.	0	.
Total	3		89		43		0	
Male Subtotal*	1,057		20,455		16,133		612	

*Totals include cases with unknown or missing race/ethnicity data.

Estimated female adult/adolescent AIDS cases diagnosed in 1997 adjusted for reporting delays and risk redistribution

White, not Hispanic

Exposure Category	Age at diagnosis							
	13-24		25-39		40-64		65+	
	No.	%	No.	%	No.	%	No.	%
Injection drug use	33	26.6	494	42.4	307	43.7	5	19.2
Hemophilia/coagulation disorder	1	0.8	3	0.3	4	0.6	1	3.8
Blood transfusion/components	3	2.4	18	1.5	16	2.3	2	7.7
Heterosexual contact	85	68.5	642	55.1	370	52.6	18	69.2
Other	2	1.6	9	0.8	6	0.9	0	.
Total	124		1,166		703		26	

Black, not Hispanic

Exposure Category	Age at diagnosis							
	13-24		25-39		40-64		65+	
	No.	%	No.	%	No.	%	No.	%
Injection drug use	101	19.7	1,468	36.8	1,178	46.4	24	21.4
Hemophilia/coagulation disorder	1	0.2	21	0.5	15	0.6	2	1.8
Blood transfusion/components	10	1.9	66	1.7	58	2.3	7	6.3
Heterosexual contact	393	76.6	2,421	60.6	1,276	50.3	77	68.8
Other	8	1.6	17	0.4	12	0.5	2	1.8
Total	513		3,993		2,539		112	

Hispanic

Exposure Category	Age at diagnosis							
	13-24		25-39		40-64		65+	
	No.	%	No.	%	No.	%	No.	%
Injection drug use	31	25.0	457	37.8	252	32.4	6	18.2
Hemophilia/coagulation disorder	0	.	5	0.4	6	0.8	0	.
Blood transfusion/components	4	3.2	16	1.3	7	0.9	1	3.0
Heterosexual contact	83	66.9	727	60.2	511	65.7	26	78.8
Other	6	4.8	3	0.2	2	0.3	0	.
Total	124		1,208		778		33	

Estimated female adult/adolescent AIDS cases diagnosed in 1997 adjusted for reporting delays and risk redistribution

Asian/Pacific Islander

Exposure Category	Age at diagnosis							
	13-24		25-39		40-64		65+	
	No.	%	No.	%	No.	%	No.	%
Injection drug use	1	33.3	8	27.6	5	29.4	0	.
Hemophilia/coagulation disorder	0	.	1	3.4	0	.	0	.
Blood transfusion/components	0	.	0	.	2	11.8	0	.
Heterosexual contact	1	33.3	20	69.0	10	58.8	0	.
Other	1	33.3	0	.	0	.	0	.
Total	3		29		17		0	

American Indian/Alaska Native

Exposure Category	Age at diagnosis							
	13-24		25-39		40-64		65+	
	No.	%	No.	%	No.	%	No.	%
Injection drug use	0	.	11	55.0	2	18.2	0	.
Hemophilia/coagulation disorder	0	.	0	.	1	9.1	0	.
Blood transfusion/components	0	.	0	.	1	9.1	0	.
Heterosexual contact	1	100	9	45.0	7	63.6	0	.
Other	0	.	0	.	0	.	0	.
Total	1		20		11		0	

Female Subtotal*	767	6,430	4,062	171
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1997 Total *	1,824	26,885	20,195	783
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*Totals include cases with unknown or missing race/ethnicity data.

Estimated male adult/adolescent AIDS cases diagnosed in 1998 adjusted for reporting delays and risk redistribution

White, not Hispanic

Exposure Category	Age at diagnosis							
	13-24		25-39		40-64		65+	
	No.	%	No.	%	No.	%	No.	%
Men who have sex with men (MSM)	130	66.0	4,752	73.4	3,662	70.9	133	71.5
Injection drug use (IDU)	17	8.6	797	12.3	806	15.6	19	10.2
MSM and IDU	27	13.7	536	8.3	325	6.3	6	3.2
Hemophilia/coagulation disorder	9	4.6	55	0.8	22	0.4	1	0.5
Blood transfusion/components	4	2.0	30	0.5	46	0.9	5	2.7
Heterosexual contact	9	4.6	294	4.5	291	5.6	21	11.3
Other	1	0.5	11	0.2	14	0.3	1	0.5
Total	197		6,475		5,166		186	

Black, not Hispanic

Exposure Category	Age at diagnosis							
	13-24		25-39		40-64		65+	
	No.	%	No.	%	No.	%	No.	%
Men who have sex with men (MSM)	267	61.0	3,486	50.1	2,109	31.2	96	32.5
Injection drug use (IDU)	64	14.6	1,826	26.2	3,029	44.8	77	26.1
MSM and IDU	16	3.7	438	6.3	446	6.6	9	3.1
Hemophilia/coagulation disorder	5	1.1	16	0.2	22	0.3	4	1.4
Blood transfusion/components	5	1.1	33	0.5	40	0.6	6	2.0
Heterosexual contact	73	16.7	1,145	16.4	1,100	16.3	102	34.6
Other	8	1.8	17	0.2	16	0.2	1	0.3
Total	438		6,961		6,762		295	

Hispanic

Exposure Category	Age at diagnosis							
	13-24		25-39		40-64		65+	
	No.	%	No.	%	No.	%	No.	%
Men who have sex with men (MSM)	148	58.0	1,952	50.5	1,083	40.7	42	37.5
Injection drug use (IDU)	52	20.4	1,179	30.5	1,042	39.2	27	24.1
MSM and IDU	8	3.1	235	6.1	108	4.1	2	1.8
Hemophilia/coagulation disorder	6	2.4	8	0.2	5	0.2	2	1.8
Blood transfusion/components	1	0.4	18	0.5	17	0.6	1	0.9
Heterosexual contact	39	15.3	456	11.8	398	15.0	38	33.9
Other	1	0.4	15	0.4	7	0.3	0	.
Total	255		3,863		2,660		112	

Estimated male adult/adolescent AIDS cases diagnosed in 1998 adjusted for reporting delays and risk redistribution

Asian/Pacific Islander

Exposure Category	Age at diagnosis							
	13-24		25-39		40-64		65+	
	No.	%	No.	%	No.	%	No.	%
Men who have sex with men (MSM)	9	90.0	104	64.2	77	67.0	1	100
Injection drug use (IDU)	0	.	19	11.7	20	17.4	0	.
MSM and IDU	0	.	9	5.6	5	4.3	0	.
Hemophilia/coagulation disorder	0	.	2	1.2	1	0.9	0	.
Blood transfusion/components	1	10.0	4	2.5	0	.	0	.
Heterosexual contact	0	.	23	14.2	11	9.6	0	.
Other	0	.	1	0.6	1	0.9	0	.
Total	10		162		115		1	

American Indian/Alaska Native

Exposure Category	Age at diagnosis							
	13-24		25-39		40-64		65+	
	No.	%	No.	%	No.	%	No.	%
Men who have sex with men (MSM)	3	60.0	36	54.5	13	40.6	2	100
Injection drug use (IDU)	0	.	16	24.2	11	34.4	0	.
MSM and IDU	2	40.0	10	15.2	6	18.8	0	.
Hemophilia/coagulation disorder	0	.	1	1.5	0	.	0	.
Blood transfusion/components	0	.	0	.	0	.	0	.
Heterosexual contact	0	.	3	4.5	2	6.3	0	.
Other	0	.	0	.	0	.	0	.
Total	5		66		32		2	
Male Subtotal*	910		17,569		14,776		596	

*Totals include cases with unknown or missing race/ethnicity data.

Estimated female adult/adolescent AIDS cases diagnosed in 1998 adjusted for reporting delays and risk redistribution

White, not Hispanic

Exposure Category	Age at diagnosis							
	13-24		25-39		40-64		65+	
	No.	%	No.	%	No.	%	No.	%
Injection drug use	33	26.8	413	41.5	278	42.1	4	12.1
Hemophilia/coagulation disorder	1	0.8	2	0.2	1	0.2	0	.
Blood transfusion/components	2	1.6	20	2.0	23	3.5	7	21.2
Heterosexual contact	85	69.1	552	55.5	353	53.4	22	66.7
Other	2	1.6	7	0.7	6	0.9	0	.
Total	123		994		661		33	

Black, not Hispanic

Exposure Category	Age at diagnosis							
	13-24		25-39		40-64		65+	
	No.	%	No.	%	No.	%	No.	%
Injection drug use	81	18.1	1,222	33.8	1,043	42.3	21	25.6
Hemophilia/coagulation disorder	1	0.2	17	0.5	14	0.6	0	.
Blood transfusion/components	5	1.1	62	1.7	50	2.0	3	3.7
Heterosexual contact	351	78.5	2,295	63.5	1,349	54.7	57	69.5
Other	9	2.0	17	0.5	8	0.3	1	1.2
Total	447		3,613		2,464		82	

Hispanic

Exposure Category	Age at diagnosis							
	13-24		25-39		40-64		65+	
	No.	%	No.	%	No.	%	No.	%
Injection drug use	24	21.8	367	36.3	253	33.2	6	15.8
Hemophilia/coagulation disorder	1	0.9	3	0.3	5	0.7	2	5.3
Blood transfusion/components	3	2.7	17	1.7	15	2.0	1	2.6
Heterosexual contact	79	71.8	621	61.4	487	63.8	29	76.3
Other	3	2.7	4	0.4	3	0.4	0	.
Total	110		1,012		763		38	

Estimated female adult/adolescent AIDS cases diagnosed in 1998 adjusted for reporting delays and risk redistribution

Asian/Pacific Islander

Exposure Category	Age at diagnosis							
	13-24		25-39		40-64		65+	
	No.	%	No.	%	No.	%	No.	%
Injection drug use	0	.	5	23.8	6	26.1	1	100
Hemophilia/coagulation disorder	0	.	0	.	0	.	0	.
Blood transfusion/components	0	.	1	4.8	0	.	0	.
Heterosexual contact	5	100	15	71.4	17	73.9	0	.
Other	0	.	0	.	0	.	0	.
Total	5		21		23		1	

American Indian/Alaska Native

Exposure Category	Age at diagnosis							
	13-24		25-39		40-64		65+	
	No.	%	No.	%	No.	%	No.	%
Injection drug use	1	33.3	9	60.0	7	43.8	0	.
Hemophilia/coagulation disorder	0	.	0	.	0	.	0	.
Blood transfusion/components	0	.	0	.	1	6.3	0	.
Heterosexual contact	2	66.7	6	40.0	8	50.0	1	100
Other	0	.	0	.	0	.	0	.
Total	3		15		16		1	

Female Subtotal*	688		5,666		3,936		155	
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1998 Total*	1,598		23,235		18,712		751	
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*Totals include cases with unknown or missing race/ethnicity data.

Technical Notes

AIDS cases are reported to CDC by all 50 states, the District of Columbia, U.S. dependencies, U.S. possessions, and independent nations in free association with the United States¹ by the use of a uniform case definition and case surveillance report form. Cases in this report were reported according to the 1993 expanded surveillance case definition (*MMWR* 1992;41 [RR-17]:1-19).

Based on data reported to CDC through June 30, 1999, this report presents estimates of AIDS incidence for adults and adolescents 13 years of age or older diagnosed with AIDS in 1997 and 1998. Data have been adjusted for delays in reporting and redistribution of cases reported with no identified risk (NIR).

Reporting delay adjustments to estimated AIDS data are calculated by a maximum likelihood statistical procedure, taking into account differences in reporting delays among categories - exposure, geographic, racial/ethnic, age, sex, and vital status - but assuming no reporting delay changes over time (*Statist Med* 1998;17:143-54 and *Lecture Notes in Biomathematics* 1989;83:58-88).

Adjustment for redistribution of NIR cases is based on sex-, race-, and region-specific exposure category redistributions of cases diagnosed from 1990 through 1997 that were initially assigned to the NIR category but subsequently have been reclassified. (*J Acquir Immune Def Syndr*, 1992;5:547-55 and *J Acquir Immune Def Syndr*, 1997;14:465-74).

Age-group classification is based on a person's age at the time of AIDS diagnosis. The exposure category labeled "Other" includes persons exposed to HIV-infected blood, body fluids, or concentrated virus in health care, laboratory, or household settings; persons who acquired HIV infection perinatally but were diagnosed with AIDS after age 13; and persons who lacked available information for reclassification into an exposure category. Percent totals may not equal 100 due to rounding.

¹Included among the dependencies, possessions, and independent nations are Puerto Rico, the U.S. Virgin Islands, Guam, American Samoa, the Republic of Palau, the Republic of the Marshall Islands, and the Federated States of Micronesia.