

CENTERS FOR DISEASE CONTROL

HIV/AIDS

SURVEILLANCE

AIDS cases reported through January 1989

Issued February 1989

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Acquired immunodeficiency syndrome (AIDS) is a life-threatening manifestation of infection with the human immunodeficiency virus (HIV).

**U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES • Public Health Service
Centers for Disease Control • Center for Infectious Diseases • Division of HIV/AIDS**

The *HIV/AIDS Surveillance Report* is published each month by the Division of HIV/AIDS, Center for Infectious Diseases, Centers for Disease Control, Atlanta, GA 30333. An expanded, year-end edition is published each January. All data contained in the *Report* are provisional.

Suggested Citation: Centers for Disease Control. HIV/AIDS Surveillance Report, February 1989:1-16
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Figure 1. AIDS annual incidence rates per 100,000 population, United States, for cases reported February 1988 through January 1989

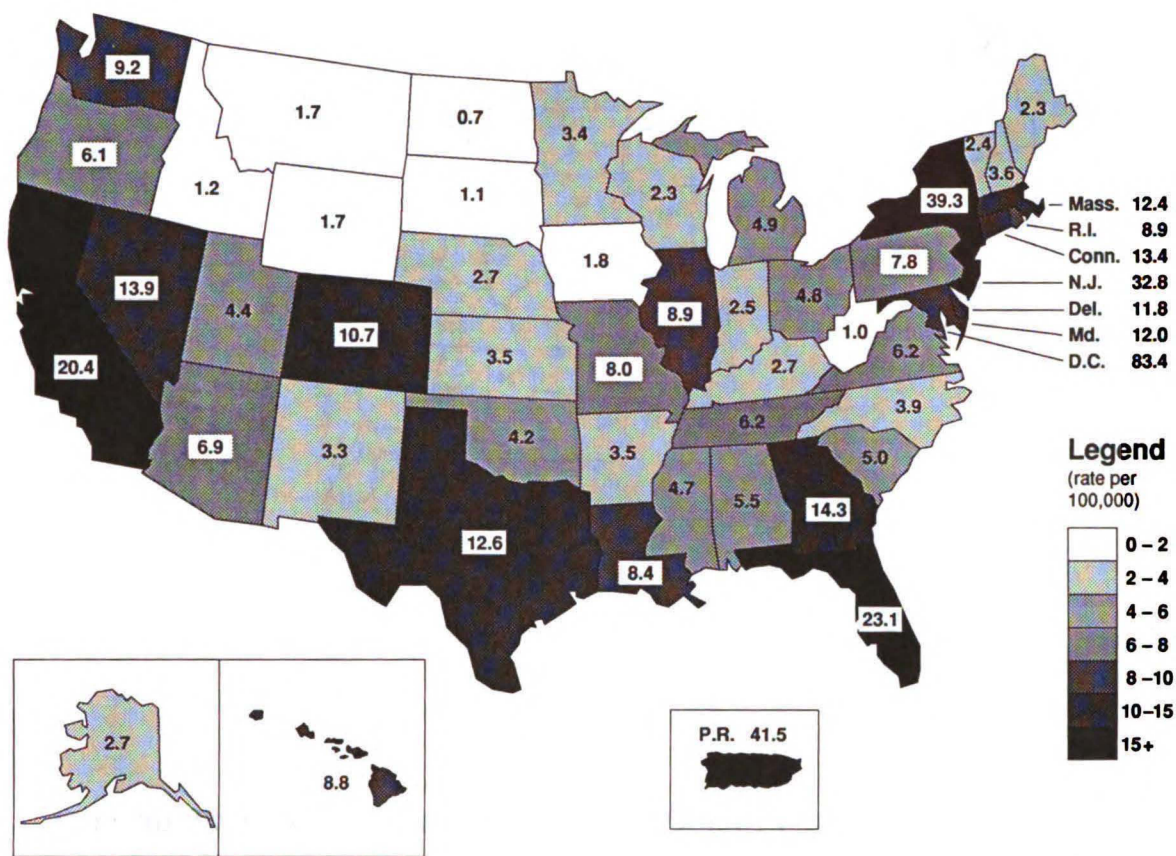


Figure 2. Adult/adolescent and pediatric AIDS cases, United States, reported February 1988 through January 1989

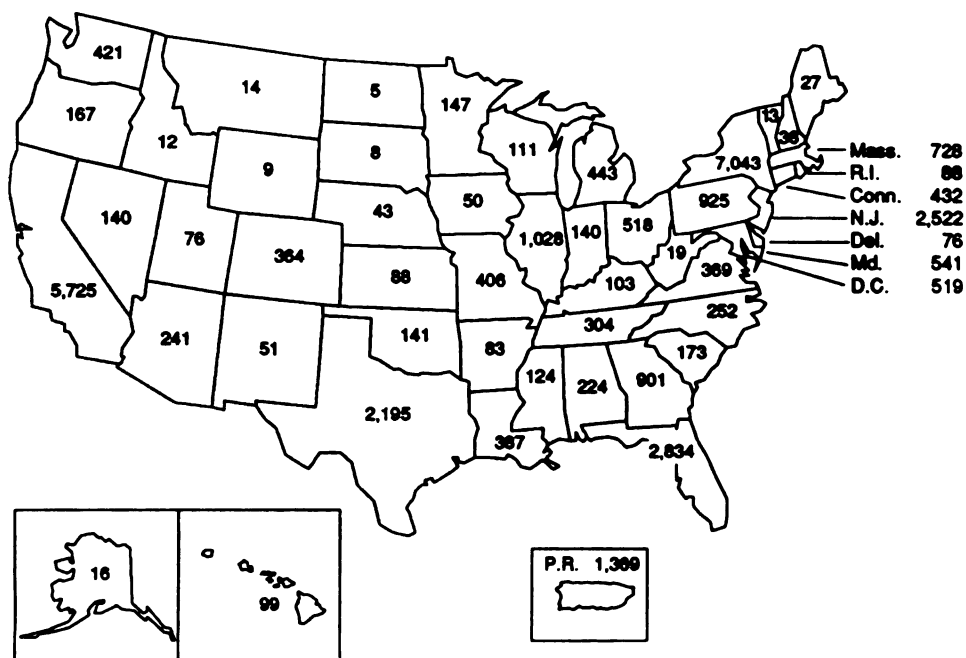


Figure 3. Pediatric AIDS cases, United States, reported February 1988 through January 1989

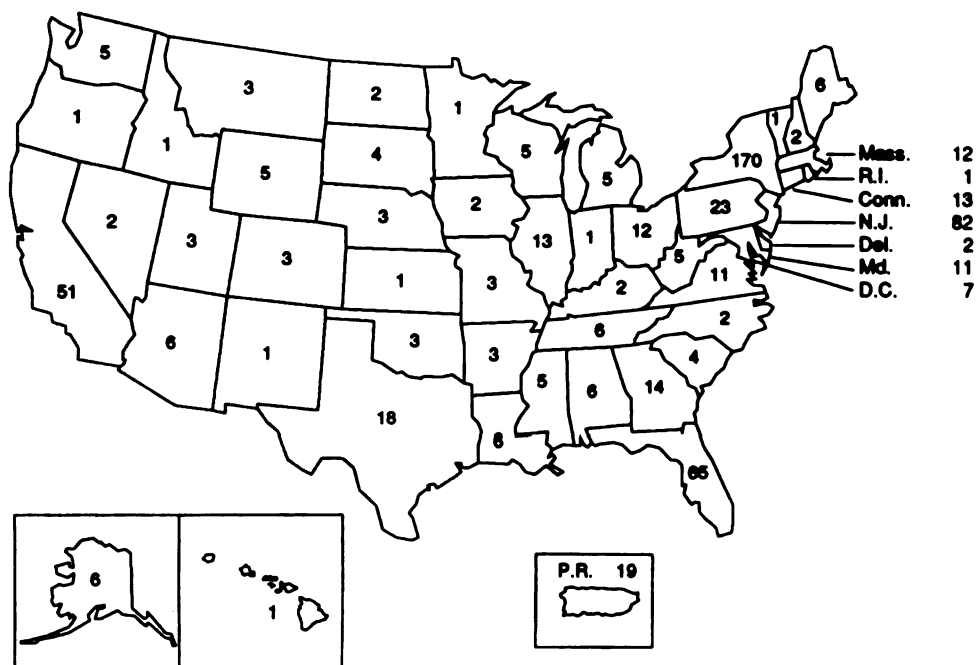


Table 1. AIDS cases and annual incidence rates per 100,000 population, by state, reported February 1987 through January 1988 and February 1988 through January 1989; and cumulative totals, by state and age group, through January 1989

State of residence	Feb. 1987- Jan. 1988		Feb. 1988- Jan. 1989		Cumulative totals		
	No.	Rate	No.	Rate	Adults/ adolescents	Children < 13 years old	Total
Alabama	159	3.9	224	5.5	446	13	459
Alaska	17	3.0	16	2.7	56	1	57
Arizona	260	7.7	241	6.9	660	3	663
Arkansas	51	2.1	83	3.5	173	3	176
California	4,939	18.0	5,725	20.4	17,177	111	17,288
Colorado	211	6.3	364	10.7	880	5	885
Connecticut	270	8.4	432	13.4	1,023	35	1,058
Delaware	36	5.7	76	11.8	155	4	159
District of Columbia	482	77.2	519	83.4	1,515	17	1,532
Florida	1,631	13.6	2,834	23.1	6,499	161	6,660
Georgia	507	8.2	901	14.3	1,989	28	2,017
Hawaii	75	6.8	99	8.8	291	2	293
Idaho	9	0.9	12	1.2	27	2	29
Illinois	685	5.9	1,028	8.9	2,434	33	2,467
Indiana	122	2.2	140	2.5	396	4	400
Iowa	32	1.1	50	1.8	115	3	118
Kansas	60	2.4	88	3.5	203	3	206
Kentucky	47	1.3	103	2.7	211	2	213
Louisiana	347	7.6	387	8.4	1,085	15	1,100
Maine	29	2.5	27	2.3	91	2	93
Maryland	516	11.5	541	12.0	1,451	31	1,482
Massachusetts	478	8.2	728	12.4	1,788	32	1,820
Michigan	260	2.9	443	4.9	960	14	974
Minnesota	145	3.4	147	3.4	451	2	453
Mississippi	61	2.3	124	4.7	224	5	229
Missouri	278	5.5	406	8.0	837	8	845
Montana	8	1.0	14	1.7	29	—	29
Nebraska	28	1.7	43	2.7	95	—	95
Nevada	94	9.6	140	13.9	294	3	297
New Hampshire	32	3.1	38	3.6	92	3	95
New Jersey	1,525	19.9	2,522	32.8	5,682	185	5,867
New Mexico	47	3.1	51	3.3	144	1	145
New York	3,893	21.8	7,043	39.3	20,106	424	20,530
North Carolina	229	3.6	252	3.9	668	11	679
North Dakota	1	0.1	5	0.7	12	—	12
Ohio	307	2.9	518	4.8	1,140	18	1,158
Oklahoma	113	3.4	141	4.2	336	8	344
Oregon	192	7.1	167	6.1	481	2	483
Pennsylvania	646	5.5	925	7.8	2,179	43	2,222
Rhode Island	68	6.9	88	8.9	210	4	214
South Carolina	97	2.8	173	5.0	379	9	388
South Dakota	3	0.4	8	1.1	14	—	14
Tennessee	111	2.3	304	6.2	504	8	512
Texas	1,884	11.1	2,195	12.6	5,815	49	5,864
Utah	49	2.9	76	4.4	170	5	175
Vermont	15	2.8	13	2.4	37	1	38
Virginia	229	3.9	369	6.2	932	21	953
Washington	324	7.2	421	9.2	1,098	8	1,106
West Virginia	21	1.1	19	1.0	62	2	64
Wisconsin	96	2.0	111	2.3	296	1	297
Wyoming	1	0.2	9	1.7	15	—	15
U.S. total	21,720	8.9	31,383	12.8	81,927	1,345	83,272
Guam	3	2.3	1	0.8	5	—	5
Pacific Islands, Trust Territory	—	—	1	0.7	1	—	1
Puerto Rico	215	6.5	1,369	41.5	1,845	49	1,894
Virgin Islands, U.S.	—	—	47	41.5	52	2	54
Total	21,938	8.9	32,801	13.1	83,830	1,396	85,226

Table 2. AIDS cases and annual incidence rates per 100,000 population, by metropolitan area with 500,000 or more population, reported February 1987 through January 1988 and February 1988 through January 1989; and cumulative totals, by area and age group, through January 1989

Metropolitan area of residence	Feb. 1987- Jan. 1988		Feb. 1988- Jan. 1989		Cumulative totals		
	No.	Rate	No.	Rate	Adults/ adolescents	Children <13 years old	Total
Akron, Ohio	12	1.9	25	3.9	53	—	53
Albany-Schenectady, N.Y.	42	5.0	73	8.6	179	1	180
Allentown, Pa.	13	2.0	32	4.9	67	3	70
Anaheim, Calif.	254	11.6	253	11.3	680	7	687
Atlanta, Ga.	363	13.8	670	24.8	1,495	13	1,508
Austin, Tex.	104	13.5	92	11.4	286	1	287
Bakersfield, Calif.	17	3.3	20	3.8	45	—	45
Baltimore, Md.	253	11.1	316	13.8	755	22	777
Baton Rouge, La.	19	3.4	36	6.3	86	—	86
Bergen-Passaic, N.J.	214	16.4	290	22.2	767	23	790
Birmingham, Ala.	43	4.7	79	8.6	141	5	146
Boston, Mass.	379	10.2	563	15.1	1,422	25	1,447
Bridgeport, Conn.	79	9.5	114	13.7	289	9	298
Buffalo, N.Y.	23	2.4	46	4.8	106	—	106
Charleston, S.C.	20	4.0	41	8.0	93	—	93
Charlotte, N.C.	59	5.5	58	5.3	144	4	148
Chicago, Ill.	598	9.6	893	14.3	2,103	24	2,127
Cincinnati, Ohio	56	3.9	68	4.8	154	3	157
Cleveland, Ohio	84	4.5	129	7.0	309	5	314
Columbus, Ohio	63	4.8	132	10.0	264	1	265
Dallas, Tex.	540	21.9	533	21.0	1,479	6	1,485
Dayton, Ohio	27	2.9	48	5.2	109	3	112
Denver, Colo.	174	10.4	294	17.2	717	3	720
Detroit, Mich.	183	4.3	311	7.3	676	10	686
El Paso, Tex.	20	3.6	14	2.4	43	—	43
Fort Lauderdale, Fla.	304	26.0	389	32.7	1,043	11	1,054
Fort Worth, Tex.	101	7.8	131	9.8	302	1	303
Fresno, Calif.	21	3.5	41	6.6	82	—	82
Gary, Ind.	8	1.3	10	1.6	31	—	31
Grand Rapids, Mich.	10	1.5	24	3.6	45	1	46
Greensboro, N.C.	30	3.3	38	4.1	95	2	97
Greenville, S.C.	18	2.9	14	2.3	45	—	45
Harrisburg, Pa.	25	4.3	42	7.3	80	2	82
Hartford, Conn.	74	6.8	116	10.7	267	7	274
Honolulu, Hawaii	59	6.9	83	9.6	241	1	242
Houston, Tex.	812	24.3	889	26.0	2,596	23	2,619
Indianapolis, Ind.	49	4.0	65	5.3	167	1	168
Jacksonville, Fla.	103	11.9	165	18.6	301	9	310
Jersey City, N.J.	264	47.4	484	87.0	1,069	31	1,100
Kansas City, Mo.	153	10.0	242	15.8	481	3	484
Knoxville, Tenn.	16	2.7	25	4.1	58	—	58
Las Vegas, Nev.	73	12.4	97	16.0	206	3	209
Little Rock, Ark.	23	4.5	34	6.6	74	1	75
Los Angeles, Calif.	1,632	19.5	1,925	22.7	6,076	48	6,124
Louisville, Ky.	19	2.0	51	5.3	94	1	95
Memphis, Tenn.	50	5.2	87	9.0	165	4	169
Miami, Fla.	452	25.2	729	40.4	2,053	79	2,132
Middlesex, N.J.	125	13.1	214	22.3	462	16	478
Milwaukee, Wis.	60	4.4	64	4.7	173	—	173
Minneapolis-Saint Paul, Minn.	124	5.3	133	5.7	389	2	391
Monmouth-Ocean City, N.J.	79	8.3	149	15.3	291	11	302
Nashville, Tenn.	16	1.7	131	13.8	175	3	178
Nassau-Suffolk, N.Y.	193	7.3	364	13.6	904	30	934
New Haven, Conn.	86	11.0	157	19.9	339	19	358
New Orleans, La.	246	18.4	235	17.4	736	9	745
New York, N.Y.	3,365	39.5	6,030	70.5	17,656	381	18,037
Newark, N.J.	651	34.6	1,096	58.3	2,402	85	2,487
Norfolk, Va.	59	4.4	93	6.8	195	6	201

Table 2. AIDS cases and annual incidence rates per 100,000 population, by metropolitan area with 500,000 or more population, reported February 1987 through January 1988 and February 1988 through January 1989; and cumulative totals, by area and age group, through January 1989 — Continued

Metropolitan area of residence	Feb. 1987- Jan. 1988		Feb. 1988- Jan. 1989		Cumulative totals		
	No.	Rate	No.	Rate	Adults/ adolescents	Children <13 years old	Total
Oakland, Calif.	336	17.1	347	17.4	1,023	4	1,027
Oklahoma City, Okla.	56	5.6	23	2.3	128	—	128
Omaha, Neb.	15	2.4	32	5.1	66	—	66
Orlando, Fla.	58	6.2	193	20.0	330	4	334
Oxnard-Ventura, Calif.	26	4.2	41	6.4	81	—	81
Philadelphia, Pa.	506	10.5	687	14.2	1,701	28	1,729
Phoenix, Ariz.	193	9.6	185	8.9	484	2	486
Pittsburgh, Pa.	85	4.0	97	4.7	253	1	254
Portland, Oreg.	152	13.0	133	11.3	381	1	382
Providence, R.I.	60	6.7	79	8.8	180	4	184
Raleigh-Durham, N.C.	47	7.0	63	9.2	150	3	153
Richmond, Va.	43	5.3	67	8.1	170	1	171
Riverside-San Bernardino, Calif.	190	9.2	190	8.9	484	8	492
Rochester, N.Y.	55	5.6	89	9.0	206	1	207
Sacramento, Calif.	128	9.7	153	11.3	347	4	351
Saint Louis, Mo.	103	4.2	174	7.1	354	5	359
Salt Lake City, Utah	42	4.0	64	5.9	150	4	154
San Antonio, Tex.	57	4.4	252	19.0	384	7	391
San Diego, Calif.	422	18.8	449	19.5	1,155	9	1,164
San Francisco, Calif.	1,420	87.3	1,713	104.1	5,744	6	5,750
San Jose, Calif.	137	9.5	149	10.2	407	5	412
San Juan, P.R.	145	13.0	688	61.5	995	31	1,026
Scranton, Pa.	21	2.9	20	2.8	54	2	56
Seattle, Wash.	246	13.8	311	17.2	836	7	843
Springfield, Mass.	19	3.2	38	6.5	85	1	86
Syracuse, N.Y.	15	2.3	28	4.2	84	3	87
Tacoma, Wash.	20	3.7	25	4.6	63	1	64
Tampa, Fla.	195	9.9	433	21.5	768	13	781
Toledo, Ohio	13	2.1	25	4.1	52	1	53
Tucson, Ariz.	54	8.9	33	5.3	129	1	130
Tulsa, Okla.	26	3.5	47	6.2	93	2	95
Washington, D.C.	794	22.1	825	22.7	2,434	33	2,467
West Palm Beach, Fla.	200	25.7	312	38.7	731	25	756
Wilmington, Del.	29	5.2	62	11.1	123	3	126
Worcester, Mass.	18	2.7	46	6.9	87	2	89
Youngstown, Ohio	7	1.4	18	3.6	35	—	35
Metropolitan area subtotal¹	18,872	13.3	27,568	19.3	72,502	1,180	73,682
Non-metropolitan areas	3,066	2.9	5,233	4.9	11,328	216	11,544
Total	21,938	8.9	32,801	13.1	83,830	1,396	85,226

¹Includes data from all metropolitan areas with 50,000 or more population.

Table 3. AIDS cases by age group, exposure category, and sex, reported February 1987 through January 1988 and February 1988 through January 1989; and cumulative totals, by age group and exposure category, through January 1989, United States

Adult/adolescent exposure category	Males		Females		Totals		Cumulative total
	Feb. 1987-Jan. 1988	Feb. 1988-Jan. 1989	Feb. 1987-Jan. 1988	Feb. 1988-Jan. 1989	Feb. 1987-Jan. 1988	Feb. 1988-Jan. 1989	
	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	
Male homosexual/bisexual contact	13,872 (70)	18,168 (63)			13,872 (64)	18,168 (56)	51,740 (62)
Intravenous (IV) drug use (female and heterosexual male)	2,890 (15)	5,931 (21)	857 (49)	1,799 (53)	3,747 (17)	7,730 (24)	16,701 (20)
Male homosexual/bisexual contact and IV drug use	1,581 (8)	2,077 (7)	—	—	1,581 (7)	2,077 (6)	6,030 (7)
Hemophilia/coagulation disorder	224 (1)	296 (1)	5 (0)	9 (0)	229 (1)	305 (1)	803 (1)
Heterosexual contact:	357 (2)	605 (2)	530 (31)	979 (29)	887 (4)	1,584 (5)	3,671 (4)
<i>Sex with IV drug user</i>	113	242	312	636	425	878	1722
<i>Sex with bisexual male</i>	—	—	67	87	67	87	244
<i>Sex with person with hemophilia</i>	1	2	11	12	12	14	32
<i>Born in Pattern-II¹ country</i>	205	261	70	117	275	378	1271
<i>Sex with person born in Pattern-II country</i>	10	19	5	4	15	23	55
<i>Sex with transfusion recipient with HIV infection</i>	2	10	15	15	17	25	51
<i>Sex with person with HIV infection, risk not specified</i>	26	71	50	108	76	179	296
Receipt of transfusion of blood, blood components, or tissue ²	432 (2)	505 (2)	217 (13)	340 (10)	649 (3)	845 (3)	2,089 (2)
Other/undetermined ³	507 (3)	1,232 (4)	126 (7)	267 (8)	633 (3)	1,499 (5)	2,796 (3)
Adult/adolescent subtotal	19,863 (100)	28,814 (100)	1,735 (100)	3,394 (100)	21,598 (100)	32,208 (100)	83,830 (100)
Pediatric (<13 years old) exposure category							
Hemophilia/coagulation disorder	23 (13)	36 (11)	—	—	23 (7)	36 (6)	84 (6)
Mother with/at risk for AIDS/HIV infection:	130 (71)	237 (70)	124 (79)	223 (87)	254 (75)	460 (78)	1,083 (78)
<i>IV drug use</i>	66	119	65	116	131	235	576
<i>Sex with IV drug user</i>	30	51	25	37	55	88	211
<i>Sex with bisexual male</i>	—	3	7	6	7	9	24
<i>Sex with person with hemophilia</i>	3	—	2	1	5	1	7
<i>Born in Pattern-II country</i>	12	24	8	19	20	43	118
<i>Sex with person born in Pattern-II country</i>	—	1	—	1	—	2	3
<i>Sex with transfusion recipient with HIV infection</i>	—	2	—	3	—	5	5
<i>Sex with person with HIV infection, risk not specified</i>	4	14	2	7	6	21	38
<i>Receipt of transfusion of blood, blood components, or tissue</i>	3	3	6	9	9	12	26
<i>Has HIV infection, risk not specified</i>	12	20	9	24	21	44	75
Receipt of transfusion of blood, blood components, or tissue	28 (15)	43 (13)	24 (15)	22 (9)	52 (15)	65 (11)	175 (13)
Undetermined	3 (2)	21 (6)	8 (5)	11 (4)	11 (3)	32 (5)	54 (4)
Pediatric subtotal	184 (100)	337 (100)	156 (100)	256 (100)	340 (100)	593 (100)	1,396 (100)
Total	20,047	29,151	1,891	3,650	21,938	32,801	85,226

¹ See technical notes.

² Includes 1 tissue recipient and 2 transfusion recipients who received blood screened for HIV antibody.

³ "Other" is 1 health-care worker who seroconverted to HIV and developed AIDS after needlestick exposure to HIV-infected blood. "Undetermined" includes 1957 adults/adolescents (48 children) under investigation; 496 adults/adolescents (6 children) who died, were lost to follow-up, or refused interview; and 343 adults/adolescents (0 children) whose mode of exposure to HIV remains undetermined after investigation.

Table 4. AIDS cases by age group, exposure category, and race/ethnicity, reported through January 1989, United States

Adult/adolescent exposure category	White, not Hispanic No. (%)	Black, not Hispanic No. (%)	Hispanic No. (%)	Asian/Pacific Islander No. (%)	American Indian/ Alaskan Native No. (%)	Total⁴ No. (%)
Male homosexual/bisexual contact	37,711 (78)	8,187 (37)	5,316 (42)	372 (75)	46 (52)	51,740 (62)
Intravenous (IV) drug use (female and heterosexual male)	3,312 (7)	8,380 (38)	4,936 (39)	18 (4)	15 (17)	16,701 (20)
Male homosexual/bisexual contact and IV drug use	3,616 (7)	1,512 (7)	874 (7)	8 (2)	13 (15)	6,030 (7)
Hemophilia/coagulation disorder	674 (1)	52 (0)	60 (0)	10 (2)	3 (3)	803 (1)
Heterosexual contact:	707 (1)	2,384 (11)	554 (4)	16 (3)	3 (3)	3,671 (4)
<i>Sex with IV drug user</i>	382	875	455	6	1	1,722
<i>Sex with bisexual male</i>	130	81	30	3	—	244
<i>Sex with person with hemophilia</i>	27	2	2	1	—	32
<i>Born in Pattern-II¹ country</i>	5	1,253	10	1	—	1,271
<i>Sex with person born in Pattern-II country</i>	16	36	3	—	—	55
<i>Sex with transfusion recipient with AIDS/HIV infection</i>	36	8	4	2	—	51
<i>Sex with person with HIV infection, risk not specified</i>	111	129	50	3	2	296
Receipt of transfusion of blood, blood components, or tissue ²	1,537 (3)	330 (2)	173 (1)	42 (8)	3 (3)	2,089 (2)
Other/undetermined ³	1,066 (2)	1,076 (5)	602 (5)	30 (6)	5 (6)	2,796 (3)
Adult/adolescent subtotal	48,623(100)	21,921 (100)	12,515(100)	496(100)	88 (100)	83,830(100)
Pediatric (<13 years old) exposure category						
Hemophilia/coagulation disorder	61 (18)	10 (1)	11 (3)	2 (33)	—	84 (6)
Mother with/at risk for AIDS/HIV infection:	167 (50)	649 (89)	261 (81)	2 (33)	2 (100)	1,083 (78)
<i>IV drug use</i>	74	343	157	1	1	576
<i>Sex with IV drug user</i>	34	106	71	—	—	211
<i>Sex with bisexual male</i>	10	11	3	—	—	24
<i>Sex with person with hemophilia</i>	5	1	1	—	—	7
<i>Born in Pattern-II country</i>	2	114	1	—	—	118
<i>Sex with person born in Pattern-II country</i>	—	2	—	—	—	3
<i>Sex with transfusion recipient with HIV infection</i>	4	1	—	—	—	5
<i>Sex with person with HIV infection, risk not specified</i>	8	18	11	1	—	38
<i>Receipt of transfusion of blood, blood components, or tissue</i>	10	10	6	—	—	26
<i>Has HIV infection, risk not specified</i>	20	43	11	—	1	75
Receipt of transfusion of blood, blood components, or tissue	98 (29)	39 (5)	36 (11)	2 (33)	—	175 (13)
Undetermined	10 (3)	31 (4)	13 (4)	—	—	54 (4)
Pediatric subtotal	336(100)	729 (100)	321(100)	6(100)	2 (100)	1,396(100)
Total	48,959	22,650	12,836	502	90	85,226

¹ See technical notes.

² Includes 1 tissue recipient and 2 transfusion recipients who received blood screened for HIV antibody.

³ "Other" is 1 health-care worker who seroconverted to HIV and developed AIDS after needlestick exposure to HIV-infected blood. "Undetermined" includes 1957 adults/adolescents (48 children) under investigation; 496 adults/adolescents (6 children) who died, were lost to follow-up, or refused interview; and 343 adults/adolescents (0 children) whose mode of exposure to HIV remains undetermined after investigation.

⁴ Includes 189 persons whose race/ethnicity is unknown.

Table 5. Adult/adolescent AIDS cases by sex, exposure category, and race/ethnicity, reported through January 1989, United States

Male exposure category	White, not Hispanic	Black, not Hispanic	Hispanic	Asian/Pacific Islander	American Indian/ Alaskan Native	Total⁴
	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)
Male homosexual/bisexual contact	37,711 (81)	8,187 (45)	5,316 (48)	372 (82)	46 (61)	51,740 (68)
Intravenous (IV) drug use (heterosexual)	2,498 (5)	6,220 (34)	4,184 (38)	10 (2)	7 (9)	12,949 (17)
Male homosexual/bisexual contact and IV drug use	3,616 (8)	1,512 (8)	874 (8)	8 (2)	13 (17)	6,030 (8)
Hemophilia/coagulation disorder	655 (1)	47 (0)	60 (1)	10 (2)	3 (4)	779 (1)
Heterosexual contact:	213 (0)	1,248 (7)	80 (1)	3 (1)	0 (0)	1,547 (2)
<i>Sex with IV drug user</i>	136	240	53	1	—	430
<i>Sex with person with hemophilia</i>	2	1	—	—	—	3
<i>Born in Pattern-II¹ country</i>	4	944	6	1	—	956
<i>Sex with person born in Pattern-II country</i>	16	15	3	—	—	34
<i>Sex with transfusion recipient with HIV infection</i>	7	5	—	1	—	14
<i>Sex with person with HIV infection, risk not specified</i>	48	43	18	—	—	110
Receipt of transfusion of blood, blood components, or tissue ²	1,015 (2)	178 (1)	100 (1)	26 (6)	1 (1)	1,324 (2)
Other/undetermined ³	904 (2)	793 (4)	501 (5)	24 (5)	5 (7)	2,241 (3)
Male subtotal	46,612 (100)	18,185 (100)	11,115 (100)	453 (100)	75 (100)	76,610 (100)
Female						
exposure category						
IV drug use	814 (40)	2,160 (58)	752 (54)	8 (19)	8 (62)	3,752 (52)
Hemophilia/coagulation disorder	19 (1)	5 (0)	—	—	—	24 (0)
Heterosexual contact:	494 (25)	1,136 (30)	474 (34)	13 (30)	3 (23)	2,124 (29)
<i>Sex with IV drug user</i>	246	635	402	5	1	1,292
<i>Sex with bisexual male</i>	130	81	30	3	—	244
<i>Sex with person with hemophilia</i>	25	1	2	1	—	29
<i>Born in Pattern-II country</i>	1	309	4	—	—	315
<i>Sex with person born in Pattern-II country</i>	—	21	—	—	—	21
<i>Sex with transfusion recipient with HIV infection</i>	29	3	4	1	—	37
<i>Sex with person with HIV infection, risk not specified</i>	63	86	32	3	2	186
Receipt of transfusion of blood, blood components, or tissue	522 (26)	152 (4)	73 (5)	16 (37)	2 (15)	765 (11)
Other/undetermined	162 (8)	283 (8)	101 (7)	6 (14)	—	555 (8)
Female subtotal	2,011 (100)	3,736 (100)	1,400 (100)	43 (100)	13 (100)	7,220 (100)
Total	48,623	21,921	12,515	496	88	83,830

¹ See technical notes.

² Includes 2 transfusion recipients who received blood screened for HIV antibody.

³ "Other" is 1 health-care worker who seroconverted to HIV and developed AIDS after needlestick exposure to HIV-infected blood. "Undetermined" includes 1957 adults/adolescents under investigation; 496 persons who died, were lost to follow-up, or refused interview; and 343 persons whose mode of exposure to HIV remains undetermined after investigation.

⁴ Includes 170 males and 17 females whose race/ethnicity is unknown.

Table 6. AIDS cases by sex, age at diagnosis, and race/ethnicity, reported through January 1989, United States

Males	White, not Hispanic	Black, not Hispanic	Hispanic	Asian/Pacific Islander	American Indian/ Alaskan Native	Total¹
Age at diagnosis (years)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)
Under 5	116 (0)	335 (2)	153 (1)	3 (1)	1 (1)	609 (1)
5-12	95 (0)	42 (0)	23 (0)	3 (1)	—	163 (0)
13-19	146 (0)	79 (0)	50 (0)	4 (1)	1 (1)	281 (0)
20-24	1,769 (4)	927 (5)	543 (5)	22 (5)	8 (11)	3,275 (4)
25-29	7,142 (15)	3,134 (17)	1,925 (17)	57 (12)	8 (11)	12,287 (16)
30-34	11,070 (24)	4,791 (26)	2,971 (26)	94 (20)	22 (29)	18,986 (25)
35-39	10,242 (22)	4,193 (23)	2,393 (21)	100 (22)	13 (17)	16,981 (22)
40-44	6,830 (15)	2,271 (12)	1,551 (14)	59 (13)	10 (13)	10,751 (14)
45-49	4,036 (9)	1,267 (7)	787 (7)	57 (12)	6 (8)	6,164 (8)
50-54	2,302 (5)	759 (4)	448 (4)	27 (6)	3 (4)	3,548 (5)
55-59	1,512 (3)	439 (2)	270 (2)	15 (3)	2 (3)	2,248 (3)
60-64	817 (2)	215 (1)	109 (1)	5 (1)	2 (3)	1,150 (1)
65 or older	746 (2)	110 (1)	68 (1)	13 (3)	—	939 (1)
Male subtotal	46,823 (100)	18,562 (100)	11,291 (100)	459 (100)	76 (100)	77,382 (100)
Females						
Age at diagnosis (years)						
Under 5	105 (5)	312 (8)	127 (8)	—	1 (7)	546 (7)
5-12	20 (1)	40 (1)	18 (1)	—	—	78 (1)
13-19	14 (1)	37 (1)	10 (1)	1 (2)	—	62 (1)
20-24	137 (6)	229 (6)	122 (8)	2 (5)	—	493 (6)
25-29	406 (19)	792 (19)	348 (23)	4 (9)	1 (7)	1,558 (20)
30-34	445 (21)	1,186 (29)	402 (26)	12 (28)	6 (43)	2,054 (26)
35-39	286 (13)	771 (19)	272 (18)	5 (12)	2 (14)	1,338 (17)
40-44	161 (8)	353 (9)	124 (8)	6 (14)	1 (7)	646 (8)
45-49	81 (4)	159 (4)	51 (3)	3 (7)	—	295 (4)
50-54	75 (4)	88 (2)	27 (2)	3 (7)	1 (7)	194 (2)
55-59	85 (4)	50 (1)	16 (1)	1 (2)	—	152 (2)
60-64	86 (4)	34 (1)	14 (1)	3 (7)	1 (7)	138 (2)
65 or older	235 (11)	37 (1)	14 (1)	3 (7)	1 (7)	290 (4)
Female subtotal	2,136 (100)	4,088 (100)	1,545 (100)	43 (100)	14 (100)	7,844 (100)
Total	48,959	22,650	12,836	502	90	85,226

¹ Includes 189 persons whose race/ethnicity is unknown.

Table 7. AIDS deaths and case-fatality rates, by half-year of diagnosis and age group, diagnosed through January 1989, United States

Half-year of diagnosis	Adults/adolescents			Children <13 years old		
	Cases	Deaths	Case-fatality rate	Cases	Deaths	Case-fatality rate
Before 1981	78	64	82.1	8	5	62.5
1981 Jan.-June	88	81	92.0	7	5	71.4
July-Dec.	195	179	91.8	5	5	100.0
1982 Jan.-June	375	337	89.9	12	9	75.0
July-Dec.	654	588	89.9	14	11	78.6
1983 Jan.-June	1,239	1,124	90.7	34	31	91.2
July-Dec.	1,590	1,439	90.5	42	30	71.4
1984 Jan.-June	2,488	2,129	85.6	52	43	82.7
July-Dec.	3,264	2,813	86.2	57	40	70.2
1985 Jan.-June	4,634	3,922	84.6	86	55	64.0
July-Dec.	5,965	4,892	82.0	117	85	72.6
1986 Jan.-June	7,721	5,951	77.1	121	76	62.8
July-Dec.	9,242	6,350	68.7	149	93	62.4
1987 Jan.-June	11,440	6,779	59.3	185	100	54.1
July-Dec.	12,446	5,546	44.6	208	99	47.6
1988 Jan.-June	12,834	4,045	31.5	157	55	35.0
July-Dec.	9,472	1,855	19.6	141	26	18.4
1989 Jan.-Jan.	105	8	7.6	1	0	0.0
Total	83,830	48,102	57.4	1,396	768	55.0

Table 8. AIDS cases by year of diagnosis and definition category, diagnosed through January 1989, United States

Definition category ¹	Year of diagnosis					Cumulative total
	Before Feb. 1985	Feb. 1985-Jan. 1986	Feb. 1986-Jan. 1987	Feb. 1987-Jan. 1988	Feb. 1988-Jan. 1989	
	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	
Pre-1987 definition	10,783 (99)	10,745 (95)	16,092 (90)	19,601 (80)	14,597 (71)	71,818 (84)
1987 definition:	119 (1)	604 (5)	1,718 (10)	4,939 (20)	6,028 (29)	13,408 (16)
<i>Specific disease presumptively diagnosed</i>	50	330	921	2,640	3,409	7,350
<i>Specific disease definitively diagnosed</i>	44	110	256	477	415	1,302
<i>HIV encephalopathy</i>	7	46	174	649	707	1,583
<i>HIV wasting syndrome</i>	18	118	367	1,173	1,497	3,173
Total	10,902 (100)	11,349 (100)	17,810 (100)	24,540 (100)	20,625 (100)	85,226 (100)

¹ Persons who meet the criteria for more than one definition category are classified in the definition category listed first.

Table 9. Adult/adolescent AIDS cases by single and multiple exposure categories, reported through January 1989, United States

Exposure category	AIDS cases	
	No.	(%)
Single mode of exposure		
Male homosexual/bisexual contact	49,790	(59)
Intravenous (IV) drug use (female and heterosexual male)	14,525	(17)
Hemophilia/coagulation disorder	468	(1)
Heterosexual contact	3,477	(4)
Receipt of transfusion of blood, blood component, or tissue	2,091	(2)
Other/undetermined	2,794	(3)
Single mode of exposure subtotal	73,145	(87)
Multiple modes of exposure		
Male homosexual/bisexual contact; IV drug use	5,490	(7)
Male homosexual/bisexual contact; hemophilia	32	(0)
Male homosexual/bisexual contact; heterosexual contact	851	(1)
Male homosexual/bisexual contact; receipt of transfusion	985	(1)
IV drug use; hemophilia	21	(0)
IV drug use; heterosexual contact	1,582	(2)
IV drug use; receipt of transfusion	444	(1)
Hemophilia; heterosexual contact	4	(0)
Hemophilia; receipt of transfusion	328	(0)
Heterosexual contact; receipt of transfusion	194	(0)
Male homosexual/bisexual contact; IV drug use; hemophilia	10	(0)
Male homosexual/bisexual contact; IV drug use; heterosexual contact	330	(0)
Male homosexual/bisexual contact; IV drug use; receipt of transfusion	173	(0)
Male homosexual/bisexual contact; hemophilia; heterosexual contact	2	(0)
Male homosexual/bisexual contact; hemophilia; receipt of transfusion	28	(0)
Male homosexual/bisexual contact; heterosexual contact; receipt of transfusion	51	(0)
IV drug use; hemophilia; heterosexual contact	5	(0)
IV drug use; hemophilia; receipt of transfusion	16	(0)
IV drug use; heterosexual contact; receipt of transfusion	106	(0)
Hemophilia; heterosexual contact; receipt of transfusion	3	(0)
Male homosexual/bisexual contact; IV drug use; hemophilia; receipt of transfusion	8	(0)
Male homosexual/bisexual contact; IV drug use; heterosexual contact; receipt of transfusion	19	(0)
Male homosexual/bisexual contact; hemophilia; heterosexual contact; receipt of transfusion	1	(0)
IV drug use; hemophilia; heterosexual contact; receipt of transfusion	2	(0)
Multiple modes of exposure subtotal	10,685	(13)
Total	83,830	(100)

Technical notes

Surveillance and reporting of AIDS

All 50 states, the District of Columbia, and U.S. dependencies and possessions report AIDS cases to CDC using a uniform case definition and case report form. The original definition was modified in 1985 (MMWR 1985;34:373-5) and again in 1987 (MMWR 1987;36 [suppl. no. 1S]:1S-15S). The revisions incorporated a broader range of AIDS-indicator diseases and conditions and used human immunodeficiency virus (HIV) diagnostic tests to improve the sensitivity and specificity of the definition. For persons with laboratory-confirmed HIV infection, the 1987 revision incorporated HIV encephalopathy, wasting syndrome, and other indicator diseases that are diagnosed presumptively (i.e., without confirmatory laboratory evidence of the opportunistic disease). AIDS cases that meet the criteria of both the pre-1987 and 1987 definitions are classified in the pre-1987 definition category. The CDC case report form includes demographic, clinical, laboratory, and exposure information.

Each issue of this update includes information received by CDC through the last day of the reporting month. Data are tabulated by date of report to CDC unless otherwise noted. Data for U.S. dependencies and possessions are included in the totals unless otherwise noted.

Reporting by age is based on the person's age at the time of diagnosis of AIDS: adult/adolescent cases include persons 13 years of age and older; pediatric cases include children under 13 years of age.

Metropolitan areas are defined as the Metropolitan Statistical Areas (MSA) for all areas except the 6 New England states. For these states, the New England County Metropolitan Areas (NECMA) are used. Metropolitan areas are named for a central city in the MSA or NECMA and may include several counties. For example, AIDS cases and incidence rates presented for the District of Columbia in Table 1 include only persons residing within the geographic boundaries of the District. AIDS cases and incidence rates for Washington, D.C., in Table 2 include persons residing within several counties in the MSA. State or metropolitan area data tabulations are based on the person's residence at the time of onset of HIV-related symptoms.

Data in this report are provisional; completeness of reporting to state and local health departments varies. In addition, multiple routes of exposure, opportunistic diseases diagnosed after the initial case report was submitted to CDC, and vital status may not be determined or reported for all cases. Caution should be used in interpreting case-fatality rates because reporting of deaths is known to be incomplete.

Exposure categories

For surveillance purposes, AIDS cases are counted only once in a hierarchy of exposure categories. Persons with more than one reported mode of exposure to HIV are classified in the exposure category listed first in the hierarchy, except for persons with a history of both homosexual/bisexual contact and intravenous drug use. They make up a separate exposure category.

"Heterosexual contact" cases include persons who report either specific heterosexual contact with a person with, or at increased risk for, HIV infection (e.g., an intravenous drug user), or persons presumed to have acquired HIV infection through heterosexual contact because they were born in countries with a distinctive pattern of transmission termed "Pattern II" by the World Health Organization (MMWR 1988;37:286-8,293-5). Pattern II is observed in areas of central, eastern, and southern Africa and in some Caribbean countries. In these countries, most of the reported cases occur in heterosexuals; the male-to-female ratio is approximately 1:1; and perinatal transmission is more common than in other areas. Intravenous drug use and homosexual transmission either do not occur or occur at a low level.

"Undetermined" cases are in persons with no reported history of exposure to HIV through any of the routes listed in the hierarchy of exposure categories. Undetermined cases include persons who are currently under investigation by local health department officials; persons whose exposure history is incomplete because of death, refusal to be interviewed, or loss to follow-up; and persons who were interviewed or for whom other follow-up information was available and no exposure mode was identified. Persons who have an exposure mode identified at the time of follow-up are reclassified into the appropriate exposure category.

Rates

Rates are on an annual basis per 100,000 population. The denominator for computing the rates is based on population estimates derived from 1980 census data and post-census population estimates. Each 12-month rate is the number of cases for a 12-month period divided by the estimated midyear 1987 or 1988 population multiplied by 100,000.

Case-fatality rates are on a semiannual basis by date of diagnosis. Each 6-month case-fatality rate is the sum of fatal cases reported per number of cases diagnosed in that period. Deaths reported for cases diagnosed in a particular half-year period may have occurred after that period.

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