CENTERS FOR DISEASE CONTROL

HIV/AIDS

SURVEILLANCE

AIDS cases reported through December 1988

Issued January 1989

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

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Figure 1. AIDS annual incidence rates per 100,000 population, United States, for cases reported January 1988 through December 1988

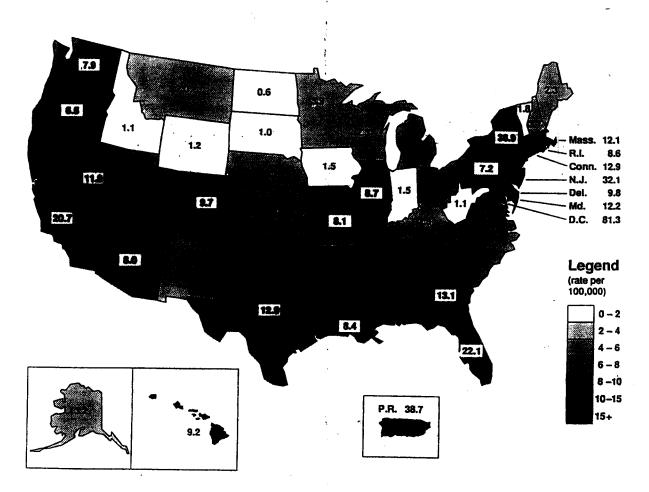


Figure 2. Adult/adolescent and pediatric AIDS cases, United States, reported January 1988 through December 1988

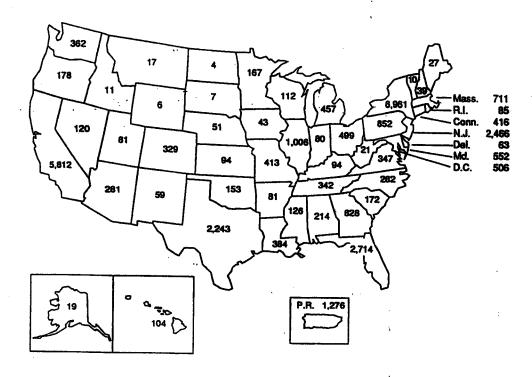


Figure 3. Pediatric AIDS cases, United States, reported January 1988 through December 1988

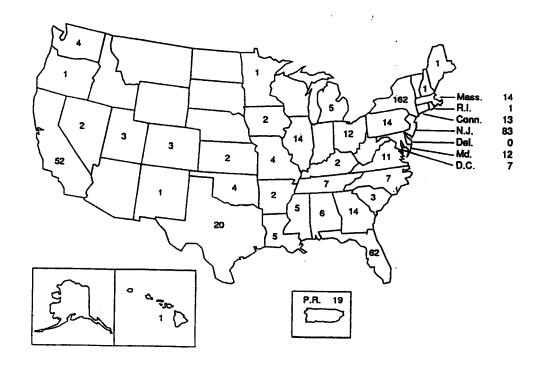


Table 1. AIDS cases and annual incidence rates per 100,000 population, by state, reported January 1987 through December 1987 and January 1988 through December 1988, and cumulative totals, by state and age group, through December 1988

		ı. 1987- c. 1987		1. 1988-	C	Cumulative totals			
State of residence		io. Rate	-	c. 1988 lo. Rate	Adults/	Children			
Alabama					adolescents	< 13 years old	Total		
Alaska -	15			14 5.2	426	13	. 439		
Arizona		5 2.7		9. 3,2	56	1	57		
Arkansas	21		28		656	3	659		
California	4,88			3.4	168	2	170		
Colorado	22		5,81 32		16,794	106	16,900		
Connecticut	24		41		846	5	851		
Delaware		0 6.3		3 9.8	980	34	_ 1,014		
District of Columbia	46		50		141	2	143		
Florida	1,64		2,71		1,472 6, 29 5	16	1,488		
Georgia	51	0 8.2	82		1,894	156	6,451		
Hawaii	8		10		289	28	1,922		
ldaho Illinois	1		1		26	2 2	291		
Indiana	63		1,00		2,321	30	28		
lowa	13:		8	0 1.5	336	30	2,351 339		
Kansas	2		4.	3 1.5	104	3	107		
Kentucky	5(9		196	3	199		
Louisiana	4) 33(9		202	2	204		
Maine	29		38-		1,048	14	1,062		
Maryland	460		2:		86	2	88		
Massachusetts	456		552		1,406	31	1,437		
Michigan	212		71		1,715	32	1,747		
Minnesota	130		457 167		910	14	924		
Mississippi	52		126		451	2	453		
Missouri	236		413		213	5	218		
Montana	7		17	4	800	8	808		
Nebraska Nebraska	24		51		30 95	-	30		
Nevada New Hampshire	90		120		265	_ 2	95		
New Hampshire New Jersey	32	• • • •	39		90	3	267		
New Mexico	1,516		2,466		5,521	182	93 5,703		
New York	47	3.1	59		144	1	145		
North Carolina	3, 96 9 214	22.2	6,961	38.9	19,714	412	20,126		
North Dakota	1	3.3	282	4.3	665	11	676		
Ohio	329	0.1 3.1	4	0.6	11		11		
Oklahoma	107	3.1	499	4.6	1,119	18	1,137		
Oregon	160	5.9	153 178	4.5	336	8	344		
Pennsylvania	650	5.5	852	6.5 <i>:</i> 7.2	455	2	457		
Rhode Island	69	7.0	85	7.2 8.6	2,116	34	2,150		
South Carolina	84	2.4	172	4.9	203 362	4	207		
South Dakota Tennessee	2	0.3	7	1.0	12	8	370		
Texas	73	1.5	342	7.0	504	<u>-</u> 8	12		
Utah	1,677	9.8	2,243	12.9	5,655	49	512 5 704		
Vermont-	39	2.3	81	4.7	162	5	5,704 167		
Virginia	15 243	2.8	10	1.8	35	<u> </u>	35		
Washington	337	4.2 7.4	347	5.9	907	20	927		
West Virginia	21	7.4 1.1	362	7.9	1,043	7	1,050		
Wisconsin	97	2.0	21	1.1	61	2	63		
Wyoming	1	0.2	112	2.3	286	1	287		
ILO Antol		V.2	6	1.2	12	_	12		
U.S. total	21,149	8.7	31,001	12.6	79,634	1,296	80,930		
Guam Regific Islando Trust Trust	3	2.3	1	8.0	E		•		
Pacific Islands, Trust Territory Puerto Rico	_	_	i	0.7	5 1	-	5		
Virgin Islands, U.S.	203	6.2	1,276	38.7	1,740	49	1 790		
Total	-	_	32	28.3	38	49 1	1,789 39		
1 47 1001	21,355	8.7	32,311	13.0	81,418	1,346	82,764		

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

		Jan. 1987-		1988-	C	Cumulative totals			
Metropolitan		1987	Dec.	1988	Adults/	Children			
area of residence	No.	Rate	No.	Rate	adolescents	<13 years old	Total		
Akron, Ohio	14	2.2	25	3.9	53		53		
Albany-Schenectady, N.Y.	44	5.2	74	8.7	176	1	177		
Allentown, Pa.	14	2.1	30	4.6	63	3	66		
Anaheim, Calif.	233	10.6	243	10.9	649	7	656		
Atlanta, Ga.	364	13.8	609	22.6	1,417	13	1,430		
Austin, Tex.	85	11.0	108	13.4	283	1	284		
Bakersfield, Calif.	15	2.9	21	4.0	44	_	44		
Baltimore, Md.	226	9.9	314	13.7	726	22	748		
Baton Rouge, La.	21	3.7	33	5.8	82		82		
Bergen-Passaic, N.J.	211	16.2	297	22.8	756	22	778		
Birmingham, Ala.	43	4.7	69	7.5	129	5	134		
Boston, Mass.	358	9.6	557	14.9	1,366	25	1,391		
Bridgeport, Conn.	70	8.4	115	13.8	279	.9	288		
Buffalo, N.Y.	24	2.5	46	4.8	104		104		
Charleston, S.C.	19	3.8	40	7.8	90	_	90		
Charlotte, N.C.	50	4.6	68	6.2	143	4	147		
Chicago, III.	538	8.6	877	14.0	2,000	22	2,022		
Cincinnati, Ohio	57	4.0	67	4.7	153	3	156		
Cleveland, Ohio	88	4.8	128	7.0	308	5 5	313		
Columbus, Ohio	68	5.2	121	9.2					
	496	20.1			252	1	253		
Dallas, Tex.	32	3.4	552 44	21.8	1,453	6	1,459		
Dayton, Ohio	186	-		4.7	105	3	108		
Denver, Colo.		11.1	260	15.2	684	3	687		
Detroit, Mich.	141	3.3	324	7.6	642	10	652		
El Paso, Tex.	15	2.7	19	3.3	43		43		
Fort Lauderdale, Fla.	295	25.2	369	31.0	1,012	11 (1,023		
Fort Worth, Tex.	87	6.7	124	9.3	281	1 '	282		
Fresno, Galif.	20	3.3	40	6.4	, 80	_	80		
Gary, Ind.	.8	1.3	8	1.3	29	_	29		
Grand Rapids, Mich.	13	2.0	21	3.2	41	1	42		
Greensboro, N.C.	32	3.5	40	4.4	94	2	96		
Greenville, S.C.	18	2.9	14	2.3	44		44		
Harrisburg, Pa.	25	4.3	. 40	6.9	. 78	2	80		
Hartford, Conn.	67	6.2	109	10.0	250	7	257		
Honolulu, Hawaii	66	7.7	87	10.1	239	1	240		
Houston, Tex.	709	21.3	916	26.8	2,521	23	2,544		
Indianapolis, Ind.	57	4.7	38	3.1	145	1	146		
Jacksonville, Fla.	98	11.3	167	18.8	298	9	307		
Jersey City, N.J.	262	47.1	469	84.3	1,040	31	1,071		
Kansas City, Mo.	128	8.4	250	16.3	461	3	464		
Knoxville, Tenn.	13	2.2	28	4.6	58	-	58		
Las Vegas; Nev.	69	11.7	87	14.4	189	2	191		
Little Rock, Ark.	23	4.5	33	6.4	72	1	73		
Los Angeles, Calif.	1,745	20.9	1,954	23.1	5,966	46	6,012		
Louisville, Ky.	19	2.0	45	4.6	88	Ĩ	89		
Memphis, Tenn.	29	3.0	108	11.2	165	4	169		
Miami, Fla.	481	26.8	705	39.1	2,015	77	2,092		
Middlesex, N.J.	132	13.9	203	21.1	445	16	461		
Milwaukee, Wis.	58	4.2	66	4.8	167	_	167		
Minneapolis-Saint Paul, Minn.	110	4.7	151	6.4	389	2	391		
Monmouth-Ocean City, N.J.	86	9.0	142	14.6	282	10	292		
Nashville, Tenn.	11	1.2	136	14.3	175	3	178		
Nassau-Suffolk, N.Y.	209	7.9	354	13.3	886	26	912		
New Haven, Conn.	81	10.3	148	18.8	326	20 18	344		
New Orleans, La.	241	18.0	239	17.7					
New York, N.Y.	3,438	40.3	5,935	69.3	716 17 21 2	8	724 17 894		
Newark, N.J.	628	33.4	1,073	57.1	17,312	372	17,684		
Norfolk, Va.	58	4.3	91	6.6	2,330	84 6	2,414		
TOHOM, TO.	50	7.0	J (0.0	190	6	196		

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

		1987-		1988-	C	umulative totals	
Metropolitan area of residence	No.	1987 Rate		1988	Adults/	Children	
	110.	Late	No.	Rate	adolescents	<13 years old	Total
Oakland, Calif.	311		363	18.2	1,007	4	1,011
Oklahoma City, Okla.	, .53		29	2.8	128	<u> </u>	128
Omaha, Neb.	14		36	5.7	· 66	· <u>-</u>	66
Orlando, Fla.	60	6.4	186	19.2	319	· 4 .	323
Oxnard-Ventura, Calif.	23	3.7	43	6.7	80		80
Philadelphia, Pa.	504	10.5	637	13.2	1.651	23	1,674
Phoenix, Ariz.	154	7.7	223	10.8	483	2	485
Pittsburgh, Pa.	84	4.0	95	4.6	250	ī	251
Portland, Oreg.	129		138	11.8	358	i	359
Providence, R.I.	62		76	8.5	174	4	178
Raleigh-Durham, N.C.	45		67	9.8	150		153
Richmond, Va.	48		59	7.2	163	3 1	
Riverside-San Bernardino, Calif.	178		189	8.9	471	8	164
Rochester, N.Y.	46		97	9.8	471 202		479
Sacramento, Calif.	118		141	9.6 10.4		1	203
Saint Louis, Mo.	89	3.7	171	7.0	326 335	3	329
Salt Lake City, Utah	33	3.1	69	7.0 6.4		5	340
San Antonio, Tex.	57 57	4.4	234		143	4	147
San Diego, Calif.	391	4.4 17.4		17.6	365	7	372
San Francisco, Calif.	1,401		447	19.4	1,123	8	1,131
San Jose, Calif.			1,760	106.9	5,620	6	5,626
San Juan, P.R.	115	8.0	164	11.2	399	5	404
	143	12.8	641	57.3	946	31	977
Scranton, Pa.	21	2.9	19	2.6	53	2	55
Seattle, Wash.	258	14.5	262	14.5	791	6	797
Springfield, Mass.	21	3.6	33	5.6	80	1	81
Syracuse, N.Y.	11	1.7	33	5.0	84	3	87
Tacoma, Wash.	20	3.7	24	4.4	62	1	63
Tampa, Fla.	199	10.1	408	20.3	733	13	746
Toledo, Ohio	14	2.3	24	4.0	50	1	51
Tucson, Ariz.	53	8.7	35	5.7	, 127	1	128
Tulsa, Okla.	24	3.2	49	6.4	93	2	95
Washington, D.C.	760	21.2	818	22.5	2,373	31	2,404
West Palm Beach, Fla.	197	25.3	304	37.7	709	24	733
Wilmington, Del.	34	6.1	51	9.1	113	1	114
Worcester, Mass.	20	3.0	42	6.3	83	ż	85
Youngstown, Ohio	8	1.6	17	3.4	34	-	34
Metropolitan area subtotal ¹	18,426	13.0	27,215	19.0	70,528	1,142	71,670
Non-metropolitan areas	2,929	2.8	5,096	4.8	10,890	204	11,094
Fotal	21,355	8.7	32,311	13.0	81,418	1,346	82,764

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

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

	Me	ales	Fem	ales			
Adult/adolescent	Jan. 1987- Dec. 1987 Dec. 1988		Jan. 1987- Dec. 1987	Jan. 1988- Dec. 1988	Jan. 1987- Dec. 1987	Jan. 1988- Dec. 1988	Cumulative total
exposure category	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)
Vale homosexual/bisexual	•		-				
contact	13,563 (70)	17,993 (63)			13,563 (65)	17,993 (57)	50,325 (62)
Intravenous (IV) drug use							
(female and heterosexual male)	2,777 (14)	5,789 (20)	834 (49)	1,742 (53)	3,611 (17)	7,531 (24)	16,151 (20)
Male homosexual/bisexual		•					
contact and IV drug use	1,535 (8)	2.055 (7)		400	1,535 (7)	2,055 (6)	5,874 (- 7
Hemophilia/coagulation disorder	215 (1)	291 (1)	4 (0)	8 (0)	219 (1)	299 (1)	773 (1
Heterosexual contact:	334 (2)	591 (2)	518 (31)	950 (29)	852 (4)	1,541 (5)	3,558 (4
Sex with IV drug user	106	227	303	620	409	847	1,657
Sex with bisexual male	-	_	<i>65</i>	88	<i>65</i>	88	240
Sex with person with hemophil	lia 1	2	11	12	12	14	32
Born in Pattern-III country	193	270	<i>73</i>	109	26 6	379	1,249
Sex with person born in							
Pattern-II country	9	17	4	4	13	21	<i>52</i>
Sex with transfusion recipient						,	
with HIV infection	1	10	13	15	14	<i>2</i> 5	48
Sex with person with HIV							
infection, risk not specified	24	<i>65</i>	49	102	<i>73</i>	167	280
Receipt of transfusion of blood,							_
blood components, or tissue ²	417 (2)	523 (2)	212 (13)	339 (10)	629 (3)	862 (3)	2,044 (3
Other/undetermined ³	492 (3)	1,190 (4)	122 (7)	257 (8)	614 (3)	1,447 (5)	2,693 (3
	19,333 (100)	28,432 (100)	1,690 (100)	3,296 (100)	21,023 (100)	31,728 (100)	81,418 (100
Pediatric (<13 years old)	19,333 (100)	28,432 (100)	1,690 (100)	3.296 (100)	21,023 (100)	31,728 (100)	81,418 (100
Pediatric (<13 years old) exposure category	19,333 (100)	28,432 (100)	1,690 (100)		21,023 (100)	31,728 (100)	
Pediatric (<13 years old) exposure category Hemophilia/coagulation disorder			1,690 (100)	3,296 (100)			•
Pediatric (<13 years old) exposure category Hemophilia/coagulation disorder			1,690 (100)				83 (6
Pediatric (<13 years old) exposure category Hemophilia/coagulation disorder Mother with/at risk for AIDS/ HIV infection:	22 (13) 127 (72)	38 (12) 225 (69)	129 (83)	222 (86)	22 (7) 256 (77)	38 (7) 447 (77)	83 (6 1,044 (78
Pediatric (<13 years old) exposure category Hemophilia/coagulation disorder Mother with/at risk for AIDS/ HIV infection: IV drug use	22 (13) 127 (72) 62	38 (12) 225 (69) 118	 129 (83) <i>7</i> 3	– 222 (86) 113	22 (7) 256 (77) 135	38 (7) 447 (77) 231	83 (6 1,044 (78 <i>561</i>
Pediatric (<13 years old) exposure category Hemophilia/coagulation disorder Mother with/at risk for AIDS/ HIV infection: IV drug use Sex with IV drug user	22 (13) 127 (72) 62 31	38 (12) 225 (69) 118 45	 129 (83) 73 23	- 222 (86) 113 38	22 (7) 256 (77) 135 54	38 (7) 447 (77) 231 83	83 (6 1,044 (78 561 200
Pediatric (<13 years old) exposure category Hemophilia/coagulation disorder Mother with/at risk for AIDS/ HIV infection: IV drug use Sex with IV drug user Sex with bisexual male	22 (13) 127 (72) 62 31 1	38 (12) 225 (69) 118 45 3	 129 (83) 73 23 6	- 222 (86) 113 38 6	22 (7) 256 (77) 135 54 7	38 (7) 447 (77) 231 83 9	83 (6 1,044 (78 <i>561</i>
Pediatric (<13 years old) exposure category Hemophilia/coagulation disorder Mother with/at risk for AIDS/ HIV infection: IV drug use Sex with IV drug user Sex with bisexual male Sex with person with hemophic	22 (13) 127 (72) 62 31 1 lia 1	38 (12) 225 (69) 118 45 3 2	129 (83) 73 23 6 2	222 (86) 113 38 6 1	22 (7) 256 (77) 135 54 7 3	38 (7) 447 (77) 231 83 9 3	83 (6 1,044 (78 561 200 23
Pediatric (<13 years old) exposure category Hemophilia/coagulation disorder Mother with/at risk for AIDS/ HIV infection: IV drug use Sex with IV drug user Sex with bisexual male Sex with person with hemophilia	22 (13) 127 (72) 62 31 1	38 (12) 225 (69) 118 45 3	 129 (83) 73 23 6	- 222 (86) 113 38 6	22 (7) 256 (77) 135 54 7	38 (7) 447 (77) 231 83 9	83 (6 1,044 (78 561 200 23 7
Pediatric (<13 years old) exposure category Hemophilia/coagulation disorder Mother with/at risk for AIDS/ HIV infection: IV drug use Sex with IV drug user Sex with bisexual male Sex with person with hemophilia Born in Pattern-II country Sex with person born	22 (13) 127 (72) 62 31 1 lia 1	38 (12) 225 (69) 118 45 3 2 2 22	129 (83) 73 23 6 2	- 222 (86) 113 38 6 1 20	22 (7) 256 (77) 135 54 7 3	38 (7) 447 (77) 231 83 9 3 42	83 (6 1,044 (78 561 200 23 7 115
Pediatric (<13 years old) exposure category Hemophilia/coagulation disorder Mother with/at risk for AIDS/ HIV infection: IV drug use Sex with IV drug user Sex with bisexual male Sex with person with hemophiliation in Pattern-II country Sex with person born in Pattern-II country	22 (13) 127 (72) 62 31 1 lia 1	38 (12) 225 (69) 118 45 3 2	129 (83) 73 23 6 2	222 (86) 113 38 6 1	22 (7) 256 (77) 135 54 7 3	38 (7) 447 (77) 231 83 9 3	83 (6 1,044 (78 561 200 23 7
Pediatric (<13 years old) exposure category Hemophilia/coagulation disorder Mother with/at risk for AIDS/ HIV infection: IV drug use Sex with IV drug user Sex with bisexual male Sex with person with hemophiliation in Pattern-II country Sex with person born in Pattern-II country Sex with transfusion recipient	22 (13) 127 (72) 62 31 1 lia 1	38 (12) 225 (69) 118 45 3 2 22	129 (83) 73 23 6 2	- 222 (86) 113 38 6 1 20	22 (7) 256 (77) 135 54 7 3	38 (7) 447 (77) 231 83 9 3 42	83 (6 1,044 (78 561 200 23 7 115
Pediatric (<13 years old) exposure category Hemophilia/coagulation disorder Mother with/at risk for AIDS/ HIV infection: IV drug use Sex with IV drug user Sex with bisexual male Sex with person with hemophilian in Pattern-II country Sex with person born in Pattern-II country Sex with transfusion recipient with HIV infection	22 (13) 127 (72) 62 31 1 lia 1	38 (12) 225 (69) 118 45 3 2 2 22	129 (83) 73 23 6 2	- 222 (86) 113 38 6 1 20	22 (7) 256 (77) 135 54 7 3	38 (7) 447 (77) 231 83 9 3 42	83 (6 1,044 (78 561 200 23 7 115
Pediatric (<13 years old) exposure category Hemophilia/coagulation disorder Mother with/at risk for AIDS/ HIV infection: IV drug use Sex with IV drug user Sex with bisexual male Sex with person with hemophil Born in Pattern-II country Sex with person born in Pattern-II country Sex with transfusion recipient with HIV infection Sex with person with HIV	22 (13) 127 (72) 62 31 1 1ia 1 14 -	38 (12) 225 (69) 118 45 3 2 22 1	129 (83) 73 23 6 2 8	- 222 (86) 113 38 6 1 20 1	22 (7) 256 (77) 135 54 7 3 22 -	38 (7) 447 (77) 231 83 9 3 42 2 5	83 (6 1,044 (78 561 200 23 7 115
Pediatric (<13 years old) exposure category Hemophilia/coagulation disorder Mother with/at risk for AIDS/ HIV infection: IV drug use Sex with IV drug user Sex with bisexual male Sex with person with hemophil Born in Pattern-II country Sex with person born in Pattern-II country Sex with transfusion recipient with HIV infection Sex with person with HIV infection, risk not specified	22 (13) 127 (72) 62 31 1 11 14 5	38 (12) 225 (69) 118 45 3 2 22	129 (83) 73 23 6 2	- 222 (86) 113 38 6 1 20	22 (7) 256 (77) 135 54 7 3	38 (7) 447 (77) 231 83 9 3 42	83 (6 1,044 (78 561 200 23 7 115 3
Pediatric (<13 years old) exposure category Hemophilia/coagulation disorder Mother with/at risk for AIDS/ HIV infection: IV drug use Sex with IV drug user Sex with bisexual male Sex with person with hemophi Born in Pattern-II country Sex with person born in Pattern-II country Sex with transfusion recipient with HIV infection Sex with person with HIV infection, risk not specified Receipt of transfusion of blood	22 (13) 127 (72) 62 31 1 11 14 5	38 (12) 225 (69) 118 45 3 2 22 1 22 11	129 (83) 73 23 6 2 8 -	- 222 (86) 113 38 6 1 20 1 3	22 (7) 256 (77) 135 54 7 3 22 -	38 (7) 447 (77) 231 83 9 3 42 2 5	83 (6 1,044 (78 561 200 23 7 115 3
Pediatric (<13 years old) exposure category Hemophilia/coagulation disorder Mother with/at risk for AIDS/ HIV infection: IV drug use Sex with IV drug user Sex with bisexual male Sex with person with hemophi Born in Pattern-II country Sex with person born in Pattern-II country Sex with transfusion recipient with HIV infection Sex with person with HIV infection, risk not specified Receipt of transfusion of blood blood components, or tissue	22 (13) 127 (72) 62 31 1 11 14 5	38 (12) 225 (69) 118 45 3 2 22 1	129 (83) 73 23 6 2 8	- 222 (86) 113 38 6 1 20 1	22 (7) 256 (77) 135 54 7 3 22 -	38 (7) 447 (77) 231 83 9 3 42 2 5	83 (6 1,044 (78 561 200 23 7 115 3 5
Pediatric (<13 years old) exposure category Hemophilia/coagulation disorder Mother with/at risk for AIDS/ HIV infection: IV drug use Sex with IV drug user Sex with bisexual male Sex with person with hemophi Born in Pattern-II country Sex with person born in Pattern-II country Sex with transfusion recipient with HIV infection Sex with person with HIV infection, risk not specified Receipt of transfusion of blood	22 (13) 127 (72) 62 31 1 11 14 5	38 (12) 225 (69) 118 45 3 2 22 1 22 11	129 (83) 73 23 6 2 8 -	- 222 (86) 113 38 6 1 20 1 3	22 (7) 256 (77) 135 54 7 3 22 -	38 (7) 447 (77) 231 83 9 3 42 2 5	83 (6 1,044 (78 561 200 23 7 115 3 5
Pediatric (<13 years old) exposure category Hemophilia/coagulation disorder Mother with/at risk for AIDS/ HIV infection: IV drug use Sex with IV drug user Sex with bisexual male Sex with person with hemophilia Born in Pattern-II country Sex with person born in Pattern-II country Sex with transfusion recipient with HIV infection Sex with person with HIV infection, risk not specified Receipt of transfusion of blood specified Receipt of transfusion of blood,	22 (13) 127 (72) 62 31 1 14 5 1. 2	38 (12) 225 (69) 118 45 3 2 22 1 2 11 4 17	129 (83) 73 23 6 2 8 - 2 7 8	- 222 (86) 113 38 6 1 20 1 3 7	22 (7) 256 (77) 135 54 7 3 22 - 7 9	38 (7) 447 (77) 231 83 9 3 42 2 5 18 13 41	1,044 (78) 561 200 23 7 115 3 5 34 26 70
Pediatric (<13 years old) exposure category Hemophilia/coagulation disorder Mother with/at risk for AIDS/ HIV infection: IV drug use Sex with IV drug user Sex with bisexual male Sex with person with hemophilia Born in Pattern-II country Sex with person born in Pattern-II country Sex with transfusion recipient with HIV infection Sex with person with HIV infection, risk not specified Receipt of transfusion of blood blood components, or tissue Has HIV infection, risk not specified	22 (13) 127 (72) 62 31 1 14 5 1. 2	38 (12) 225 (69) 118 45 3 2 22 1 2 11 4	129 (83) 73 23 6 2 8 2 7 8	- 222 (86) 113 38 6 1 20 1 3 7	22 (7) 256 (77) 135 54 7 3 22 - 7 9	38 (7) 447 (77) 231 83 9 3 42 2 5 18 13 41	83 (6 1,044 (78 561 200 23 7 115 3 5 34 26 70
Pediatric (<13 years old) exposure category Hemophilia/coagulation disorder Mother with/at risk for AIDS/ HIV infection: IV drug use Sex with IV drug user Sex with bisexual male Sex with person with hemophilian in Pattern-II country Sex with person born in Pattern-II country Sex with transfusion recipient with HIV infection Sex with person with HIV infection, risk not specified Receipt of transfusion of blood specified Receipt of transfusion of blood	22 (13) 127 (72) 62 31 1 14 5 1, 2	38 (12) 225 (69) 118 45 3 2 22 1 2 11 4 17	129 (83) 73 23 6 2 8 - 2 7 8	- 222 (86) 113 38 6 1 20 1 3 7 9	22 (7) 256 (77) 135 54 7 3 22 - 7 9 19	38 (7) 447 (77) 231 83 9 3 42 2 5 18 13 41	83 (6) 1,044 (78) 561 200 23 7 115 3 5 34 26 70
Pediatric (<13 years old) exposure category Hemophilia/coagulation disorder Mother with/at risk for AIDS/ HIV infection: IV drug use Sex with IV drug user Sex with bisexual male Sex with person with hemophic Born in Pattern-II country Sex with person born in Pattern-II country Sex with transfusion recipient with HIV infection Sex with person with HIV infection, risk not specified Receipt of transfusion of blood specified Receipt of transfusion of blood, blood components, or tissue	22 (13) 127 (72) 62 31 1 14 5 1, 2 11	38 (12) 225 (69) 118 45 3 2 22 1 2 11 4 17	129 (83) 73 23 6 2 8 2 7 8	- 222 (86) 113 38 6 1 20 1 3 7 9 24	22 (7) 256 (77) 135 54 7 3 22 - 7 9 19	38 (7) 447 (77) 231 83 9 3 42 2 5 18 13 41	83 (6) 1,044 (78) 561 200 23 7 115 3 5 34 26 70

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 1,856 adults/adolescents (44 children) under investigation; 468 adults/adolescents (6 children) who died, were lost to follow-up, or refused interview; and 339 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 December 1988, United States

Adult/adolescent	White, not Hispanic	Black, not Hispanic	Hispanic	Asian/Pacific Islander	American Indian/ Alaskan Native	Total ⁴
exposure category	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%
Male homosexual/bisexual contact Intravenous (IV) drug use	36,733 (78)	7,917 (37)		360 (75)	46 (53)	50,325 (62
(female and heterosexual male) Male homosexual/bisexual contact	3,201 (7)	8,114 (38)	4.765 (39)	16 (3)	14 (16)	16,151 (20
and IV drug use Hemophilia/coagulation disorder	3,524 (7)	1,472 (7)	849 (7)	8 (2)	13 (15)	5,874 (1
Heterosexual contact:	649 (1) 679 (1)	52 (0) 2,316 (11)	56 (0)	10 (2) 15 (3)	3 (3) 3 (3)	773 (3,558 (4
Sex with IV drug user	<i>367</i>	840	441	_	• • • •	-, (
Sex with bisexual male	127	80	30	5	1	1, 6 57
Sex with person with hemophilia	27	2	2	3	-	240
Born in Pattern-II' country	 5	1, 23 2	9	1 1		32
Sex with person born in		,,	9	,		1,249
Pattern-II country	14	34	4	_		
Sex with transfusion recipient			•			52
with AIDS/HIV infection Sex with person with HIV	<i>33</i>	8	4	2	_	40
infection rick not an all in	1			_	_	48
infection, risk not specified	106	120	49	3	· 2	280
Receipt of transfusion of blood,				_	4	40 U
blood components, or tissue ²	1,502 (3)	200 (2)				
Other/undetermined ³	1,019 (2)	323 (2)	170 (1)	41 (9)	3 (3)	2,044 (3
	1,019 (2)	1,028 (5)	59 3 (5)	32 (7)	5 (6)	2,693 (3
Adult/adolescent subtotal	47,307(100)	21,222 (100)	12,133(100)	482 (100)	AT (100)	
Pediatric (<13 years old) exposure category				102(100)	87 (100)	81,418(100
exposure category lemophilia/coagulation disorder	60 (19)					
exposure category Hemophilia/coagulation disorder Mother with/at risk for AIDS/HIV	•	10 (1)	11 (4)	2 (33)	67 (100) 	
exposure category lemophilia/coagulation disorder	60 (19) 158 (49)			2 (33)	**	83 (6
exposure category Hemophilia/coagulation disorder Mother with/at risk for AIDS/HIV infection: IV drug use	158 (49)	10 (1) 629 (89)	11 (4) 251 (81)			83 (6
Hemophilia/coagulation disorder Mother with/at risk for AIDS/HIV infection: IV drug use Sex with IV drug user	158 (49) <i>70</i>	10 (1) 629 (89) <i>335</i>	11 (4) 251 (81) 154	2 (33)	**	83 (6
Hemophilia/coagulation disorder Mother with/at risk for AIDS/HIV infection: IV drug use Sex with IV drug user Sex with bisexual male	158 (49) 70 31	10 (1) 629 (89) 335 103	11 (4) 251 (81) 154 66	2 (33) 2 (33)	2 (100)	83 (6 1,044 (78
Hemophilia/coagulation disorder Mother with/at risk for AIDS/HIV infection: IV drug use Sex with IV drug user Sex with bisexual male Sex with person with hemophilia	158 (49) 70 31 10	10 (1) 629 (89) 335 103 11	11 (4) 251 (81) 154 66 2	2 (33) 2 (33)	2 (100)	83 (6 1,044 (78 561 200
Hemophilia/coagulation disorder Mother with/at risk for AIDS/HIV infection: IV drug use Sex with IV drug user Sex with bisexual male Sex with person with hemophilia Born in Pattern-II country	158 (49) 70 31 10 5	10 (1) 629 (89) 335 103 11	11 (4) 251 (81) 154 66 2 1	2 (33) 2 (33)	2 (100)	83 (6 1,044 (78 <i>561</i>
Hemophilia/coagulation disorder Mother with/at risk for AIDS/HIV infection: IV drug use Sex with IV drug user Sex with bisexual male Sex with person with hemophilia Born in Pattern-II country Sex with person born in	158 (49) 70 31 10	10 (1) 629 (89) 335 103 11	11 (4) 251 (81) 154 66 2	2 (33) 2 (33)	2 (100)	83 (6 1,044 (78 561 200 23
Alemophilia/coagulation disorder Mother with/at risk for AIDS/HIV infection: IV drug use Sex with IV drug user Sex with bisexual male Sex with person with hemophilia Born in Pattern-II country Sex with person born in Pattern-II country	158 (49) 70 31 10 5	10 (1) 629 (89) 335 103 11 1	11 (4) 251 (81) 154 66 2 1	2 (33) 2 (33)	2 (100)	83 (6 1,044 (78 561 200 23 7 115
Alemophilia/coagulation disorder Mother with/at risk for AIDS/HIV infection: IV drug use Sex with IV drug user Sex with bisexual male Sex with person with hemophilia Born in Pattern-II country Sex with person born in Pattern-II country Sex with transfusion recipient	158 (49) 70 31 10 5	10 (1) 629 (89) 335 103 11	11 (4) 251 (81) 154 66 2 1	2 (33) 2 (33)	2 (100)	83 (6 1,044 (78 561 200 23 7
Alemophilia/coagulation disorder Mother with/at risk for AIDS/HIV infection: IV drug use Sex with IV drug user Sex with bisexual male Sex with person with hemophilia Born in Pattern-II country Sex with person born in Pattern-II country Sex with transfusion recipient with HIV infection	158 (49) 70 31 10 5	10 (1) 629 (89) 335 103 11 1 111	11 (4) 251 (81) 154 66 2 1	2 (33) 2 (33)	2 (100)	83 (6 1,044 (78 561 200 23 7 115
Alemophilia/coagulation disorder Mother with/at risk for AIDS/HIV infection: IV drug use Sex with IV drug user Sex with bisexual male Sex with person with hemophilia Born in Pattern-II country Sex with person born in Pattern-II country Sex with transfusion recipient with HIV infection Sex with person with HIV	158 (49) 70 31 10 5 2	10 (1) 629 (89) 335 103 11 1	11 (4) 251 (81) 154 66 2 1	2 (33) 2 (33)	2 (100)	83 (6 1,044 (78 561 200 23 7 115
Alemophilia/coagulation disorder Mother with/at risk for AIDS/HIV infection: IV drug use Sex with IV drug user Sex with bisexual male Sex with person with hemophilia Born in Pattern-II country Sex with person born in Pattern-II country Sex with transfusion recipient with HIV infection Sex with person with HIV infection, risk not specified	158 (49) 70 31 10 5 2	10 (1) 629 (89) 335 103 11 1 111	11 (4) 251 (81) 154 66 2 1	2 (33) 2 (33) 1 	2 (100)	83 (6 1,044 (78 561 200 23 7 115 3
Alemophilia/coagulation disorder Mother with/at risk for AIDS/HIV infection: IV drug use Sex with IV drug user Sex with bisexual male Sex with person with hemophilia Born in Pattern-II country Sex with person born in Pattern-II country Sex with transfusion recipient with HIV infection Sex with person with HIV infection, risk not specified Receipt of transfusion of blood.	158 (49) 70 31 10 5 2 4 8	10 (1) 629 (89) 335 103 11 111 2 1 15	11 (4) 251 (81) 154 66 2 1 1 -	2 (33) 2 (33)	2 (100)	83 (6 1,044 (78 561 200 23 7 115
Alemophilia/coagulation disorder Mother with/at risk for AIDS/HIV infection: IV drug use Sex with IV drug user Sex with bisexual male Sex with person with hemophilia Born in Pattern-II country Sex with person born in Pattern-II country Sex with transfusion recipient with HIV infection Sex with person with HIV infection, risk not specified Receipt of transfusion of blood, blood components, or tissue	158 (49) 70 31 10 5 2	10 (1) 629 (89) 335 103 11 11 2	11 (4) 251 (81) 154 66 2 1 1 -	2 (33) 2 (33) 1 	2 (100)	83 (6 1,044 (78 561 200 23 7 115 3 5
Alemophilia/coagulation disorder Mother with/at risk for AIDS/HIV infection: IV drug use Sex with IV drug user Sex with bisexual male Sex with person with hemophilia Born in Pattern-II country Sex with person born in Pattern-II country Sex with transfusion recipient with HIV infection Sex with person with HIV infection, risk not specified Receipt of transfusion of blood, blood components, or tissue Has HIV infection, risk not	158 (49) 70 31 10 5 2 4 8 10	10 (1) 629 (89) 335 103 11 11 2 1 15 10	11 (4) 251 (81) 154 66 2 1 1	2 (33) 2 (33) 1 	2 (100)	83 (6 1,044 (78) 561 200 23 7 115 3
Action and the components, or tissue Has HIV infection, risk not specified Receipt of transfusion of blood, blood components, or tissue Has HIV infection, risk not specified sp	158 (49) 70 31 10 5 2 4 8	10 (1) 629 (89) 335 103 11 111 2 1 15	11 (4) 251 (81) 154 66 2 1 1	2 (33) 2 (33) 1 	 2 (100) 1 	83 (6 1,044 (78) 561 200 23 7 115 3 5 34 26
Action category Idemophilia/coagulation disorder Another with/at risk for AIDS/HIV infection: IV drug use Sex with IV drug user Sex with bisexual male Sex with person with hemophilia Born in Pattern-II country Sex with person born in Pattern-II country Sex with transfusion recipient with HIV infection Sex with person with HIV infection, risk not specified Receipt of transfusion of blood, blood components, or tissue Has HIV infection, risk not specified specified specified	158 (49) 70 31 10 5 2 4 8 10	10 (1) 629 (89) 335 103 11 11 2 1 15 10	11 (4) 251 (81) 154 66 2 1 1 10 6	2 (33) 2 (33) 1 	2 (100)	83 (6 1,044 (78) 561 200 23 7 115 3 5
Action of transfusion of blood, blood components, or tissue	158 (49) 70 31 10 5 2 4 8 10	10 (1) 629 (89) 335 103 11 11 111 2 1 15 10 40	11 (4) 251 (81) 154 66 2 1 1 10 6 11	2 (33) 2 (33) 1 	 2 (100) 1 	83 (6 1,044 (78 561 200 23 7 115 3 5 34 26
Action and the components, or tissue Has HIV infection, risk not specified Receipt of transfusion of blood, blood components, or tissue Has HIV infection, risk not specified sp	158 (49) 70 31 10 5 2 4 8 10 18	10 (1) 629 (89) 335 103 11 11 111 2 1 15 10 40 38 (5)	11 (4) 251 (81) 154 66 2 1 1 10 6 11	2 (33) 2 (33) 1 	 2 (100) 1 	83 (6) 1,044 (78) 561 200 23 7 115 3 5 34 26 70
Action of transfusion of blood, blood components, or tissue	158 (49) 70 31 10 5 2 4 8 10	10 (1) 629 (89) 335 103 11 111 2 1 15 10 40 38 (5) 30 (4)	11 (4) 251 (81) 154 66 2 1 1 - 10 6 11 35 (11) 11 (4)	2 (33) 2 (33) 1 	2 (100) 1	83 (6 1,044 (78) 561 200 23 7 115 3 5 34 26 70
Aceipt of transfusion of blood, blood components, or tissue determined	158 (49) 70 31 10 5 2 4 8 10 18 94 (29) 9 (3)	10 (1) 629 (89) 335 103 11 11 111 2 1 15 10 40 38 (5)	11 (4) 251 (81) 154 66 2 1 1 10 6 11	2 (33) 2 (33) 1 	2 (100) 1	200 23 7 115 3 5 34 26 70

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

^{3 &}quot;Other" is 1 health-care worker who seroconverted to HIV and developed AIDS after needlestick exposure to HIV-infected blood. "Undetermined" includes 1,856 adults/adolescents (44 children) under investigation; 468 adults/adolescents (6 children) who died, were lost to follow-up, or refused interview; and 339 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 December 1988, United States

Male		e, not anic	Black Hispa		Hispa	nic		/Pacific		n Indian/ n Native	Tota	ni ⁴
exposure category	No	: (%)	No	. (%)	No.	(%)	No.		No.	(%)		. (%)
Male homosexual/bisexual contact Intravenous (IV) drug use	36,733	(81)	7,917	(45)	5,161	(48)	360		46	(61)	50,325	
(heterosexual) Male homosexual/bisexual contact	2,414	(5)	6,032	(34)	4,037	(37)	8	(2)	7	(9)	12,529	(17)
and iV drug use	3,524	(8)	1,472	(8)	849	(8)	8	(2)	13	/471	E 074	/ 01
Hemophilia/coagulation disorder Heterosexual contact:	633 200	٠,,	46	(0)	56 77	(1)	10 3	(2)	3	(17) (4)	5,874 751	(1)
Sex with IV drug user	•	31		,			3	,	U	(0)	1,499	(2)
Sex with person with hemophili	ia '	2	~	25	ŧ	50		1			4	07
Born in Pattern-II1 country		4	0	32 32	•	_						3
Sex with person born in		7	3	3 2		6 .		1			9	44
Pattern-II country Sex with transfusion recipient		14		14		<i>3</i>		_	•		,	31
with HIV infection		6		5								
Sex with person with HIV		·		9	-			1	. •			13
infection, risk not specified		43	4	40	1	8		_			10	01
Receipt of transfusion of blood.									:			
blood components, or tissue2	991	(2)	175	(1)	00	/ 41	-					
Other/undetermined ³	864	(2)	759	(4)	99 49 4	(1) (5)	26 25	(6) (6)	1 5	(1)	1,297 2,160	(2)
Male subtotal	45,359	(100)	17,618 ((100)	10,773 (100)	440 ((100)	74,435	
Female exposure category IV drug use Hemophilia/coagulation disorder Heterosexual contact:	787 16 479	(40) (1) (25)		(58) (0) (30)		(54) (34)	_	(19) (29)	. 7 - 3	(58) (25)	3,622 22 2,059	(52) (0) (29)
Sex with IV drug user	23	36	61	5	391	, '	;	4		1		-^
Sex with bisexual male	12		8	0	30)		3		_	1,25 24	
Sex with person with hemophilia	2	?5		1	2			1	_	•		9
Born in Pattern-II country Sex with person born in		1	30	0	3			-	_	•	30	
Pattem-II country Sex with transfusion recipient	-	-	20	0	1	'	٠ ــ	-			2	1
with HIV infection	2	7		3	4	!	1	,			_	
Sex with person with HIV infection, risk not specified	6	3								•	3.	5
Receipt of transfusion of blood,	0	•	80	,	31		3	3	2	?	179	9
blood components, or tissue	511	(26)	148	(4)	71 (6)	45.4			. !		
Other/undetermined	155	(8)		7)		5) 7)	15 (7 (2 ((17)	747 533	
Female subtotal	1,948 (100)	3,604 (1	00)	1,360 (10	00)	42 (1	00)	12 (1	00)	6,983 (1	
Totai	47,307	7	21,222		12,133		482	·	87	T - F	81,418	
									-		VI,710	!

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 1,856 adults/adolescents under investigation; 468 persons who died, were lost to follow-up, or refused interview; and 339 persons who died to the total adults and the total action investigation.

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

Table 6. AIDS cases by sex, age at diagnosis, and race/ethnicity, reported through December 1988, United States

Males	White, no Hispanio			Hispa	nic	Asian/I Islan			n Indian/ n Native	Tota	il ¹
Age at diagnosis (years)	No. (%) No	. (%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)
Under 5	111 (0) ~ 318	(2)	145	(1)	3	·(1)	1	(1)	579	
5-12	9 2 (0) 42		22	(o)	3	7 17		(')	159	(1)
13-19	142 (0) 78	ίοί	50	(0)	4.	. (1)		(1)	276	(0)
20-24	1.712 (4) 902	(5)	534	(.5)	22	(5)	8	(1)		(-0)
25-29	6,926 (1		(17)	1,864	(17)	56-	(13)	_	(11)	3,184	(4)
30-34		4,641	(26)	2,878	(26)	91	(20)	9	(12)	11,933	(16)
35-39		2) 4,050	(23)	2.305	(21)			21	(28)	18,430	(25)
40-44		5) 2.188	(12)	1.515		96	(22)	13	(17)	16,490	(22)
45-49		9) 1,225	(7)	765	(14)	58	(13)	10	(13)	10,454	(14)
50-54		5) 739	(4)		(7)	55	(12)	6	(8)	5,994	(8)
55-59		3) 429	(2)	432	(4)	25	(6)	3	(4)	3,446	(5)
60-64	·	2) 206	(1)	259	(2)	15	(3)	2	(3)	2,190	(3)
65 or older		2) 105	(1)	106 65	(1)	5 13	(1) (3)	2	(3)	1,117 921	(1) (1)
Male subtotal	45,562 (10	0) 17,978	(100)	10,940	(100)	446 ((100)	76	(100)	75,173	(100)

Females

Age at diagnosis (years)

Total	47,628	21,929	12,441	488	89	82,764
Female subtotal	2,066 (100)	3,951 (100)	1,501 (100)	42 (100)	13 (100)	7,591 (100)
65 or older	229 (11)	36 (1)	14 (1)	3 (7)	1 (8)	283 (4)
60-64	83 (4)	32 (1)	14 (1)	2 (5)	1 (8)	143 (2) 132 (2)
55-59	80 (4)	48 (1)	14 (1)	1 (2)	1 (9)	189 (2) 143 (2)
50-54	73 (4)	85 (2)	27 (2)	3 (7)	1 (8)	280 (4)
45-49	80 (4)	148 (4)	48 (3)	3 (7)	1 (8)	620 (8)
40-44	155 (8)	338 (9)	119 (8)	5 (12) 6 (14)	2 (15)	1,296 (17)
35-39	275 (13)	747 (19)	389 (26) 265 (18)	12 (29) 5 (12)	5 (38)	1,978 (26)
30-34	431 (21)	1,138 (29)		4 (10)	1 (8)	1,521 (20)
25-29	394 (19)	772 (20)	, -,	2 (5)	-	482 (6)
20-24	134 (6)	225 (6)	9 (1) 118 (8)	1 (2)	-	59 (1)
13-19	14 (1)	35 (1)	17 (1)		-	77 (1)
Under 5 5-12	98 (5) 20 (1)	307 (8) 40 (1)	124 (8)	_	1 (8)	531 (7)

¹Includes 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 December 1988, United States

		Adults/adolesce	ents	Children <13 years old			
			Case-fatality			Case-fatality	
Half-year of diagnosis	Cases	Deaths	rate	Cases	Deaths	rate	
Before 1981	80	66	82.5	8	5 .	62.5	
1981 JanJune	88	81	92.0	7	. 5	71.4	
July-Dec.	193	177	91.7	. 5	5	100.0	
1982 JanJune	374	335	89.6	12	9 .	75.0	
July-Dec.	653	586	89.7	14	11	78.6	
4000 len luno	1,240	1,125	90.7	34	31	91.2	
1983 JanJune July-Dec.	1,583	1,431	90.4	42	30	71.4	
1984 JanJune	2.480	2,073	83.6	52	42	80.8	
July-Dec.	3,256	2,732	83.9	57	39	68.4	
1985 JanJune	4,621	3,800	82.2	83	54	65.1	
July-Dec.	5,945	4,726	79.5	116	84	72.4	
1986 JanJune	7,692	5,706	74.2	118	74	62.7	
July-Dec.	9,218	6,020	65.3	147	91	61.9	
1987 JanJune	11,362	6,419	56.5	185	99	53.5	
July-Dec.	12,357	5,237	42.4	204	96	47.1	
1988 JanJune	12,558	3,700	29.5	150	47	31.3	
July-Dec.	7,718	1,388	18.0	112	20	17.9	
Total	81,418	45,602	56.0	1,346	742	55.1	

Table 8. AIDS cases by year of diagnosis and definition category, diagnosed through December 1988, United States

		Y	ear of diagnosi	S		
	Before Jan. 1985	Jan. 1985- Dec. 1985	Jan. 1986- Dec. 1986	Jan. 1987- Dec. 1987	Jan. 1988- Dec. 1988	Cumulative total
Definition category ¹	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)
Pre-1987 definition 1987 definition:	10,084 (99) 94 (1)	10,234 (95) 531 (5)	15,596 (91) 1,579 (9)	19,561 (81) 4,547 (19)	14,622 (71) 5,916 (29)	70,097 (85) 12,667 (15)
Specific disease presumptively diagnosed	38	289	851	2,433	<i>3,339</i>	6,950
Specific disease definitively diagnosed HIV encephalopathy HIV wasting syndrome	39 4 13	102 41 99	241 152 335	452 602 1,060	429 700 1,448	1,263 1,499 2,955
Total	10,178(100)	10,765 (100)	17,175 (100)	24,108 (100)	20,538 (100)	82,764 (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 December 1988, United States

Exposure category	AIDS cases	
	No.	('
Single mode of exposure		
Male homosexual/bisexual contact	48,454	
Intravenous (IV) drug use (female and heterosexual male)		(6
Hemophilia/coagulation disorder	14,085	(1
Heterosexual contact	452	()
Receipt of transfusion of blood, blood component, or tissue	3,376	(
Other/undetermined	2,046	_ (
ingle mode of exposure subtotal	2,691	(
uitiple modes of exposure	71,104	-(8
Male homosovuolikiesuusi saatuut uuti		
Male homosexual/bisexual contact; IV drug use	5.352	(
Male homosexual/bisexual contact; hemophilia	32	ì
Male homosexual/bisexual contact; heterosexual contact	799	ì
Male homosexual/bisexual contact; receipt of transfusion	962	·i
V drug use; hemophilia	22	ì
V drug use; heterosexual contact	1.491	ì
V drug use; receipt of transfusion	432	ì
demophilia; heterosexual contact	4	ì
Hemophilia; receipt of transfusion	315	,
leterosexual contact; receipt of transfusion	182	,
Male homosexual/bisexual contact; IV drug use; hemophilia	10	(
Male homosexual/bisexual contact; IV drug use; heterosexual contact	316	,
rate nomosexual/bisexual contact; IV drug use; receipt of transfusion	171	(
iale floritosexual/olsexual contact; hemophilia: heterosexual contact	2	(
iale nomosexual/bisexual contact; hemophilia: receint of transfusion	27 .	(
iale nomosexual/oisexual contact; heterosexual contact; receipt of transfusion	48	•
drug use, riemophilia; neterosexual contact	4	(
drug use; hemophilia; receipt of transfusion	15	(
drug use; heterosexual contact; receipt of transfusion	100	(
emophilia; heterosexual contact; receipt of transfusion		(
ale homosexual/bisexual contact; IV drug use; hemophilia; receipt of transfersion	2	((
are normosexual/bisexual contact; IV drug use: heterosexual contact: receipt of transfering	8	()
individual de la contract. Demonnilla: heterosevillal contract: rocciet et terroturiore	17	((
dieg die, hemophilia, neterosexual contact; receipt of transfusion	1 2	((
tiple modes of exposure subtotal		((
i	10,314	(13
	81,418	(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 particular half-year period may have occurred after that period.