

# **HIV/AIDS**

## **Surveillance Supplemental Report**

==== Volume 6, Number 1 =====

**AIDS Cases Reported to CDC  
July 1989 through June 1999**

**and**

**Estimates of the Number of  
Persons Living with AIDS**

**by State and Metropolitan Area  
as of June 30, 1999**

**U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES**

**Public Health Service**

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

The *HIV/AIDS Surveillance Supplemental Report* is published by the Surveillance Branch of the Division of HIV/AIDS Prevention - Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention, Centers for Disease Control and Prevention (CDC). Data are presented on AIDS cases reported to CDC through June 30, 1999, by state and metropolitan area. The data were made available to the Health Resources and Service Administration for the allocation of Ryan White Comprehensive AIDS Resources Emergency (CARE) Act funds. Also presented are estimates (computed by three methods) of the number of persons living with AIDS. All data contained in this report are provisional.

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# Methods

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The Ryan White CARE Act was enacted by Congress in 1990 and reauthorized with amendments in 1996. The primary purpose of the act is to “provide emergency assistance to localities that are disproportionately affected by the Human Immunodeficiency Virus epidemic.” The amended act requires formula grants based on the “estimated number of living cases of acquired immune deficiency syndrome in the eligible area involved.” Estimates were derived by using methods specified in the act. The amount of funds received by each eligible metropolitan area (EMA), (under Title I), or state (under Title II) is determined by the locality’s proportion of the total estimated number of living persons with AIDS.

As of the end of June each year, AIDS cases reported during the preceding 120 months are aggregated into ten 12-month periods, and 10 “survival” weights (see Technical Notes) are applied to the 10 AIDS case counts. The summary count, which results from this computational formula, is the estimated number of persons living with AIDS in the EMA or state for the purposes of the Ryan White CARE Act. The survival weights are updated by CDC every 2 years according to methods specified in the act (the weights were most recently updated in July 1999).

This report presents the AIDS case counts (based on AIDS surveillance data reported to CDC through

June 30, 1999) that were provided to the Health Resources and Services Administration (HRSA) in July 1999. (Table 1, AIDS case counts by state; Table 2, AIDS case counts by EMA; Table 3, AIDS case counts for cross-state EMAs). HRSA applies the weights provided by CDC to these counts to determine the proportional distribution of persons living with AIDS.

Tables 4 and 5 are comparisons of the three methods for estimating the number of persons living with AIDS by state and EMA. Columns 1 and 2 are the estimated number and the percentage distribution according to the Ryan White CARE Act formula. Columns 3 and 4 are the numbers of persons with AIDS reported to CDC and assumed to be alive (cases minus deaths). Columns 5 and 6 are data adjusted for delays in the reporting of cases and deaths to produce point estimates of the number of people living with AIDS. (See the Technical Notes for computational details of each method.)

The Ryan White CARE Act formula is used by HRSA for the legislative requirements of the CARE act. CDC, however, routinely adjusts data for reporting delays to estimate the number of people living with AIDS (i.e., AIDS prevalence). The CDC method nearly always produces the highest counts because a statistical model is used to “add in” the AIDS cases not yet reported but already diagnosed.

**Table 1. AIDS cases reported July 1989 through June 1999, by state of residence**

<b>State of residence</b>	<b>7/89-6/90</b>	<b>7/90-6/91</b>	<b>7/91-6/92</b>	<b>7/92-6/93</b>	<b>7/93-6/94</b>	<b>7/94-6/95</b>	<b>7/95-6/96</b>	<b>7/96-6/97</b>	<b>7/97-6/98</b>	<b>7/98-6/99</b>
Alabama	204	318	425	702	557	564	663	523	604	467
Alaska	29	16	14	29	73	79	37	44	41	30
Arizona	370	237	368	1099	644	556	655	531	546	738
Arkansas	116	220	197	423	289	286	283	242	227	189
California	6781	7343	8386	15059	14155	10813	10440	8079	6283	5737
Colorado	378	442	423	1080	882	715	597	431	316	339
Connecticut	435	480	480	1462	1306	1057	1513	1201	892	622
Delaware	83	90	106	307	258	309	318	264	161	177
District of Columbia	535	712	813	1077	1575	1216	1050	1191	941	750
Florida	3969	4862	5193	8999	7651	9225	7664	6674	5410	5683
Georgia	1219	1197	1735	2246	2242	2294	2489	2102	1368	1635
Hawaii	190	185	165	201	316	263	207	144	128	140
Idaho	23	23	39	66	55	57	44	44	39	29
Illinois	1228	1216	1837	2810	2725	2752	2140	1749	1765	1285
Indiana	329	283	378	757	724	520	651	560	484	353
Iowa	48	89	86	189	98	144	128	104	97	73
Kansas	133	113	169	295	253	248	251	177	145	146
Kentucky	150	185	179	295	298	311	313	401	310	306
Louisiana	656	695	915	1159	1217	1111	1352	1220	1058	904
Maine	67	50	56	77	137	139	80	55	41	42
Maryland	873	1019	1033	1984	2210	2885	2272	2155	1628	1634
Massachusetts	816	942	861	1904	2019	1365	1283	1100	763	1250
Michigan	528	574	847	1540	1074	1056	1031	937	802	714
Minnesota	172	200	238	588	382	406	322	246	176	206
Mississippi	214	261	226	384	412	411	412	447	359	432
Missouri	563	577	706	1621	814	676	846	689	545	492
Montana	16	30	22	26	29	24	30	42	34	18
Nebraska	41	65	61	151	106	112	98	97	75	74
Nevada	170	225	247	536	429	409	449	459	466	257
New Hampshire	57	46	53	89	90	115	99	68	53	47
New Jersey	2233	2419	2192	3409	5199	4712	3970	3742	2484	2061
New Mexico	102	109	108	279	164	229	113	228	220	125
New York	7625	7666	7948	13893	15038	12504	13194	12414	11273	7655
North Carolina	519	527	649	1001	1293	1012	981	857	812	789
North Dakota	2	13	1	10	28	6	10	10	10	6
Ohio	587	595	803	1163	1326	1180	1109	938	792	585
Oklahoma	216	172	240	652	346	269	278	288	298	185
Oregon	276	288	290	658	577	506	500	356	236	198
Pennsylvania	1149	1093	1392	2132	2809	2659	2256	2121	1891	1806
Puerto Rico	1466	1738	1753	2581	2604	2540	2125	2205	2012	1448
Rhode Island	93	76	121	231	273	283	180	160	134	120
South Carolina	364	344	354	1121	1169	984	951	795	772	984
South Dakota	1	9	9	23	17	20	17	9	17	17
Tennessee	306	329	409	851	847	872	895	787	690	769
Texas	2799	3048	3190	6062	5790	5074	4339	4876	4456	3715
Utah	86	108	129	278	136	152	198	157	150	154
Vermont	19	21	22	26	81	31	40	33	21	16
Virgin Islands	7	12	21	47	40	58	33	54	63	33
Virginia	611	646	658	1360	1367	1139	1505	1253	998	912
Washington	693	591	532	1172	1179	921	769	758	523	393
West Virginia	61	52	70	76	78	113	144	110	122	64
Wisconsin	179	195	224	622	399	358	323	251	222	183
Wyoming	7	11	11	32	19	14	13	17	4	8

**Table 2. AIDS cases reported July 1989 through June 1999, by metropolitan area of residence**

<b>Metropolitan area of residence</b>	<b>7/89-6/90</b>	<b>7/90-6/91</b>	<b>7/91-6/92</b>	<b>7/92-6/93</b>	<b>7/93-6/94</b>	<b>7/94-6/95</b>	<b>7/95-6/96</b>	<b>7/96-6/97</b>	<b>7/97-6/98</b>	<b>7/98-6/99</b>
Atlanta, GA	942	940	1235	1531	1505	1605	1766	1409	943	1103
Austin, TX	226	201	274	480	526	383	291	275	295	261
Baltimore, MD	579	668	595	1387	1470	2022	1509	1517	1096	1171
Bergen-Passaic, NJ	276	284	271	404	787	609	491	506	329	267
Boston, MA-NH	741	811	763	1690	1750	1191	1118	930	679	1120
Caguas, PR	135	103	132	180	187	205	173	175	152	82
Chicago, IL	1070	1034	1594	2431	2360	2450	1799	1435	1551	1082
Cleveland, OH	123	166	251	362	340	470	245	279	277	172
Dallas, TX	626	786	779	1632	1166	1409	999	896	802	673
Denver, CO	305	373	350	914	677	566	448	326	246	246
Detroit, MI	375	382	650	1084	659	773	723	570	593	442
Dutchess Co., NY	83	79	84	146	119	90	113	109	159	52
Fort Lauderdale, FL	845	846	853	1064	1119	1577	1216	1116	816	989
Fort Worth, TX	166	188	143	368	320	538	198	307	259	153
Hartford, CT	153	162	142	426	588	387	514	414	341	246
Houston, TX	1127	1167	1175	2127	2066	1320	1322	1787	1753	1339
Jacksonville, FL	239	275	296	781	335	471	382	362	288	280
Jersey City, NJ	283	421	358	405	768	879	628	601	391	245
Kansas City, MO-KS	323	234	292	720	335	274	339	217	221	183
Las Vegas, NV-AZ	135	178	190	426	333	335	368	375	421	229
Los Angeles, CA	2130	2547	3016	5083	4663	3899	3827	3170	2222	2027
Miami, FL	1076	1539	1654	2407	2864	2922	2352	1792	1546	1561
Middlesex-Somerset-Hunterdon, NJ	157	192	193	319	360	379	329	259	196	109
Minneapolis-St. Paul, MN-WI	159	173	205	526	328	364	278	218	159	189
Nassau-Suffolk, NY	413	355	307	942	568	550	639	653	456	342
New Haven, CT	249	290	297	914	615	579	848	670	495	328
New Orleans, LA	387	428	544	598	694	606	725	633	499	442
New York, NY	6398	6591	6889	11351	13353	10709	11243	10028	8669	6513
Newark, NJ	984	945	927	1265	2119	1731	1519	1539	998	963
Norfolk, VA-NC	161	148	118	273	371	387	543	490	326	280
Oakland, CA	534	506	571	1091	960	741	660	545	405	411
Orange County, CA	334	337	596	583	565	538	511	354	288	317
Orlando, FL	191	395	358	858	430	740	588	495	516	505
Philadelphia, PA-NJ	833	834	1043	1737	2261	2010	1685	1587	1464	1388
Phoenix, AZ	284	170	276	771	431	389	462	330	390	565
Ponce, PR	217	241	247	254	334	308	283	220	159	127
Portland, OR-WA	227	254	234	609	443	398	354	265	185	146
Riverside-San Bernardino, CA	255	320	404	883	958	814	653	556	559	448
Sacramento, CA	112	174	260	405	432	347	276	209	194	207
St. Louis, MO-IL	213	310	376	767	443	377	436	414	282	252
San Antonio, TX	196	190	230	329	629	381	372	367	306	208
San Diego, CA	718	556	604	1388	1219	945	1139	806	637	564
San Francisco, CA	1923	2076	1964	3729	3377	2123	1769	1350	1149	904
San Jose, CA	144	190	176	397	477	297	294	216	142	154
San Juan, PR	950	1119	1061	1732	1567	1528	1298	1376	1252	971
Santa Rosa, CA	96	121	117	221	224	130	169	75	56	52
Seattle, WA	535	436	381	902	767	649	538	493	337	247
Tampa-St. Petersburg, FL	380	473	517	1298	776	814	753	651	605	576
Vineland-Millville-Bridgeton, NJ	36	35	28	77	104	68	102	62	46	41
Wash., DC-MD-VA-WV	1003	1284	1469	2020	2732	2135	2060	2006	1661	1314
West Palm Beach, FL	344	399	437	827	584	855	829	722	546	468

**Table 3. AIDS cases reported July 1989 through June 1999, for state components of cross-state metropolitan areas**

<b>Metropolitan area of residence</b>	<b>7/89-6/90</b>	<b>7/90-6/91</b>	<b>7/91-6/92</b>	<b>7/92-6/93</b>	<b>7/93-6/94</b>	<b>7/94-6/95</b>	<b>7/95-6/96</b>	<b>7/96-6/97</b>	<b>7/97-6/98</b>	<b>7/98-6/99</b>
Boston, MA	699	779	732	1628	1690	1115	1055	885	636	1087
Boston, NH	42	32	31	62	60	76	63	45	43	33
Kansas City, KS	66	44	53	135	93	73	89	56	55	47
Kansas City, MO	257	190	239	585	242	201	250	161	166	136
Las Vegas, AZ	4	3	4	18	8	11	12	11	14	20
Las Vegas, NV	131	175	186	408	325	324	356	364	407	209
Minneapolis, MN	157	172	204	524	326	364	277	217	158	189
Minneapolis, WI	2	1	1	2	2	0	1	1	1	0
Norfolk, NC	2	2	0	1	0	0	3	2	2	1
Norfolk, VA	159	146	118	272	371	387	540	488	324	279
Philadelphia, NJ	146	144	159	291	337	301	247	249	184	148
Philadelphia, PA	687	690	884	1446	1924	1709	1438	1338	1280	1240
Portland, OR	213	234	221	550	403	362	331	230	160	135
Portland, WA	14	20	13	59	40	36	23	35	25	11
St. Louis, IL	27	37	53	74	47	63	47	43	33	10
St. Louis, MO	186	273	323	693	396	314	389	371	249	242
Washington, DC	535	712	813	1077	1575	1216	1050	1191	941	750
Washington, MD	252	297	384	488	619	613	579	529	424	352
Washington, VA	210	270	267	440	530	292	408	274	282	208
Washington, WV	6	5	5	15	8	14	23	12	14	4

**Table 4. Estimates of the number of people living with AIDS as of June 1999, by state of residence: comparison of three methods**

State of residence	Ryan White CARE Act		Number reported to be living		Adjusted for reporting delays	
	Number*	Percent	Number†	Percent	Number†	Percent
Alabama	2,469	0.9	2,669	0.9	2,792	0.9
Alaska	194	0.1	234	0.1	234	0.1
Arizona	2,787	1.0	2,584	0.9	3,211	1.0
Arkansas	1,119	0.4	1,389	0.5	1,443	0.5
California	39,408	14.0	41,649	14.5	44,677	14.5
Colorado	2,328	0.8	2,633	0.9	2,715	0.9
Connecticut	4,627	1.6	5,293	1.8	5,653	1.8
Delaware	1,034	0.4	1,022	0.4	1,079	0.3
District of Columbia	4,630	1.6	5,360	1.9	5,788	1.9
Florida	30,237	10.8	32,699	11.4	32,945	10.7
Georgia	8,627	3.1	9,376	3.3	10,103	3.3
Hawaii	815	0.3	882	0.3	915	0.3
Idaho	191	0.1	199	0.1	205	0.1
Illinois	8,723	3.1	8,137	2.8	8,926	2.9
Indiana	2,345	0.8	2,363	0.8	2,448	0.8
Iowa	479	0.2	545	0.2	574	0.2
Kansas	868	0.3	850	0.3	895	0.3
Kentucky	1,405	0.5	1,390	0.5	1,526	0.5
Louisiana	4,936	1.8	4,937	1.7	5,170	1.7
Maine	316	0.1	386	0.1	428	0.1
Maryland	8,804	3.1	8,650	3.0	9,520	3.1
Massachusetts	5,502	2.0	5,398	1.9	6,672	2.2
Michigan	4,136	1.5	4,014	1.4	4,471	1.4
Minnesota	1,262	0.4	1,458	0.5	1,507	0.5
Mississippi	1,783	0.6	1,733	0.6	1,815	0.6
Missouri	3,163	1.1	3,853	1.3	4,030	1.3
Montana	130	0.0	150	0.1	167	0.1
Nebraska	409	0.1	425	0.1	438	0.1
Nevada	1,791	0.6	1,972	0.7	2,024	0.7
New Hampshire	325	0.1	454	0.2	466	0.2
New Jersey	14,872	5.3	13,703	4.8	14,206	4.6
New Mexico	806	0.3	844	0.3	912	0.3
New York	50,993	18.1	49,036	17.0	54,664	17.7
North Carolina	4,005	1.4	3,900	1.4	4,249	1.4
North Dakota	44	0.0	42	0.0	43	0.0
Ohio	4,120	1.5	3,881	1.3	4,160	1.3
Oklahoma	1,286	0.5	1,470	0.5	1,526	0.5
Oregon	1,660	0.6	1,843	0.6	1,948	0.6
Pennsylvania	9,359	3.3	9,611	3.3	10,741	3.5
Puerto Rico	9,259	3.3	8,597	3.0	9,008	2.9
Rhode Island	773	0.3	835	0.3	877	0.3
South Carolina	3,978	1.4	3,918	1.4	4,121	1.3
South Dakota	70	0.0	63	0.0	62	0.0
Tennessee	3,443	1.2	3,808	1.3	4,058	1.3
Texas	20,326	7.2	21,869	7.6	22,876	7.4
Utah	728	0.3	847	0.3	870	0.3
Vermont	138	0.0	161	0.1	172	0.1
Virgin Islands	200	0.1	207	0.1	222	0.1
Virginia	5,091	1.8	5,001	1.7	5,569	1.8
Washington	3,184	1.1	3,659	1.3	3,803	1.2
West Virginia	450	0.2	431	0.1	459	0.1
Wisconsin	1,274	0.5	1,454	0.5	1,485	0.5
Wyoming	56	0.0	62	0.0	65	0.0
<b>Total</b>	<b>280,958</b>		<b>287,946</b>		<b>308,933</b>	

\* Cumulative from July 1989 through June 1999.

† Cumulative from 1981 through June 1999.

**Table 5. Estimates of the number of people living with AIDS as of June 1999, by metropolitan area of residence: comparison of three methods**

Metropolitan area of residence (year of initial eligibility)	Ryan White CARE Act		Number reported to be living		Adjusted for reporting delays	
	Number*	Percent	Number†	Percent	Number†	Percent
Atlanta, GA (1991)	5,947	2.9	6,561	3.1	6,964	3.1
Austin, TX (1995)	1,432	0.7	1,520	0.7	1,631	0.7
Baltimore, MD (1992)	6,054	3.0	5,762	2.7	6,366	2.8
Bergen-Passaic, NJ (1994)	1,958	1.0	1,780	0.8	1,839	0.8
Boston, MA-NH (1991)	4,820	2.4	4,879	2.3	5,931	2.6
Caguas, PR (1995)	688	0.3	621	0.3	655	0.3
Chicago, IL (1991)	7,483	3.7	6,860	3.3	7,561	3.4
Cleveland, OH (1996)	1,242	0.6	1,316	0.6	1,421	0.6
Dallas, TX (1991)	4,300	2.1	4,937	2.4	5,179	2.3
Denver, CO (1994)	1,806	0.9	2,038	1.0	2,096	0.9
Detroit, MI (1993)	2,798	1.4	2,717	1.3	3,015	1.3
Dutchess Co., NY (1995)	479	0.2	502	0.2	560	0.2
Fort Lauderdale, FL (1991)	4,838	2.4	5,180	2.5	5,212	2.3
Fort Worth, TX (1996)	1,221	0.6	1,349	0.6	1,412	0.6
Hartford, CT (1996)	1,682	0.8	1,880	0.9	1,993	0.9
Houston, TX (1991)	7,071	3.5	7,492	3.6	7,731	3.4
Jacksonville, FL (1995)	1,628	0.8	1,989	0.9	1,996	0.9
Jersey City, NJ (1991)	2,296	1.1	2,056	1.0	2,141	1.0
Kansas City, MO-KS (1994)	1,247	0.6	1,624	0.8	1,692	0.8
Las Vegas, NV-AZ (1999)	1,502	0.7	1,664	0.8	1,705	0.8
Los Angeles, CA (1991)	14,078	6.9	14,491	6.9	15,859	7.0
Miami, FL (1991)	8,974	4.4	9,641	4.6	9,614	4.3
Middlesex-Somerset-Hunterdon, NJ (1996)	1,109	0.5	1,076	0.5	1,098	0.5
Minneapolis-St. Paul, MN-WI (1996)	1,121	0.5	1,295	0.6	1,343	0.6
Nassau-Suffolk, NY (1993)	2,387	1.2	2,439	1.2	2,783	1.2
New Haven, CT (1994)	2,551	1.2	2,992	1.4	3,209	1.4
New Orleans, LA (1993)	2,568	1.3	2,655	1.3	2,781	1.2
New York, NY (1991)	42,374	20.7	40,476	19.3	44,660	19.8
Newark, NJ (1991)	5,988	2.9	5,393	2.6	5,632	2.5
Norfolk, VA-NC (1999)	1,652	0.8	1,503	0.7	1,713	0.8
Oakland, CA (1992)	2,672	1.3	2,811	1.3	2,941	1.3
Orange County, CA (1993)	1,854	0.9	2,342	1.1	2,340	1.0
Orlando, FL (1994)	2,439	1.2	2,608	1.2	2,614	1.2
Philadelphia, PA-NJ (1991)	7,177	3.5	7,489	3.6	8,376	3.7
Phoenix, AZ (1994)	1,969	1.0	1,809	0.9	2,288	1.0
Ponce, PR (1993)	994	0.5	1,053	0.5	1,093	0.5
Portland, OR-WA (1995)	1,285	0.6	1,466	0.7	1,540	0.7
Riverside-San Bernardino, CA (1994)	2,747	1.3	3,027	1.4	3,104	1.4
Sacramento, CA (1996)	1,158	0.6	1,157	0.6	1,163	0.5
St. Louis, MO-IL (1994)	1,674	0.8	1,868	0.9	1,966	0.9
San Antonio, TX (1995)	1,501	0.7	1,697	0.8	1,758	0.8
San Diego, CA (1991)	3,785	1.9	4,110	2.0	4,342	1.9
San Francisco, CA (1991)	7,703	3.8	7,941	3.8	8,890	4.0
San Jose, CA (1996)	1,070	0.5	1,210	0.6	1,264	0.6
San Juan, PR (1991)	5,802	2.8	5,276	2.5	5,517	2.5
Santa Rosa, CA (1995)	491	0.2	587	0.3	589	0.3
Seattle, WA (1993)	2,163	1.1	2,522	1.2	2,627	1.2
Tampa-St. Petersburg, FL (1993)	3,114	1.5	3,429	1.6	3,437	1.5
Vineland-Millville-Bridgeton, NJ (1995)	284	0.1	272	0.1	284	0.1
Washington, DC-MD-VA-WV (1991)	8,243	4.0	9,142	4.4	9,963	4.4
West Palm Beach, FL (1994)	2,879	1.4	3,126	1.5	3,148	1.4
<b>Total</b>	<b>204,298</b>		<b>209,630</b>		<b>225,036</b>	

\* Cumulative from July 1989 through June 1999.

† Cumulative from 1981 through June 1999.



# Technical Notes

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The legislative authority for the method of estimating the number of persons living with AIDS under Title I of the Ryan White CARE Act is Section 2603(a)(3)(c). The legislative authority for the Title II estimation of the number of persons living with AIDS is Section 2618(2)(d). The same set of survival weights is used for both Title I and Title II. The current weights are—

Year 1 – .09
Year 2 – .11
Year 3 – .13
Year 4 – .26
Year 5 – .36
Year 6 – .48
Year 7 – .63
Year 8 – .74
Year 9 – .82
Year 10 – .87

For each 12-month reporting period, the proportion of persons reported with AIDS and known to be alive is computed as follows:

$$\text{(cases minus deaths)/cases}$$

This proportion is the weight for the 12-month period.

As required by the CARE act, these weights will be updated in July 2001 by using the AIDS cases reported through June 30, 2001.

## Details for the Three Methods of Estimating the Number of Persons Living with AIDS

### *Method I — Ryan White CARE Act formula*

The counts of reported AIDS cases for the last 120 months are aggregated into ten 12-month periods.

The first year (i.e., earliest) count is multiplied by .09. The second year count is multiplied by .11, and so on for all 10 counts. The total of these 10 weighted counts is the estimated number of people living with AIDS for a given state or EMA.

### *Method II — Number of Persons Reported to be Living with AIDS*

For each state or EMA, the number of persons reported with AIDS who are assumed to be alive is calculated. See HIV/AIDS Surveillance Report, 1999;11[No.1]:Table 1). This total count is the estimated number of people living with AIDS.

### *Method III — Adjustments for Reporting Delays*

Estimated AIDS data are adjusted for reporting delays by a maximum likelihood statistical procedure; differences in reporting delays for geographic area, racial/ethnic, age, sex, vital status and exposure categories are taken into account, but it is assumed that reporting delays within these groups have not changed over time (*Statistics in Medicine* 1998;17:143-54 and *Lecture Notes in Biomathematics* 1989;83:58-88). The maximum likelihood procedure is done twice — first for delays in reporting AIDS cases and then for delays in reporting AIDS deaths. On the basis of the results of these procedures, each AIDS case is then assigned an AIDS incidence adjustment weight and an AIDS death adjustment weight. The point estimate of the number of persons living with AIDS is derived by subtracting the estimated cumulative number of deaths of persons with AIDS from the estimated cumulative number of persons with a diagnosis of AIDS. The estimates from this method are based on AIDS surveillance data reported to CDC through December 31, 1999. Estimated AIDS cases and estimated AIDS deaths are adjusted for reporting delays, but not for incomplete reporting.