

Regional HIV/AIDS Epidemiologic Profile of Massachusetts: 2010

Table 1. Total number of people reported with HIV infection or AIDS¹ by mortality status on December 31, 2009, Massachusetts		
	N	%
People Living with HIV/AIDS	18,045	59%
People Reported with HIV or AIDS who are Deceased	12,492	41%
Total Number of People Reported with HIV Infection or AIDS	30,537	100%
¹ Does not include individuals diagnosed with HIV infection (non-AIDS) who died prior to January 1, 1999 or who were not in care on January 1, 1999. Data Source: MDPH HIV/AIDS Surveillance Program, data as of 1/1/10		

Table 2. Average annual rate of HIV infection diagnosis from 2006 to 2008 and HIV/AIDS prevalence rate on 12/31/09¹: Massachusetts		
Average annual HIV diagnosis rate from 2006–2008	Average rate per 100,000	Average annual number of HIV diagnoses
Massachusetts Total	10.3	654.7
HIV/AIDS prevalence rate on 12/31/09	Rate per 100,000	Number of people living with HIV/AIDS
Massachusetts Total	284.2	18,045
¹ Population sizes for rate calculations are based on year 2000 population estimates from the MDPH Center for Health Information, Statistics, Research and Evaluation Data Source: MDPH HIV/AIDS Surveillance Program, data as of 1/1/10		

Table 3. People living with HIV/AIDS¹, deaths among people reported with HIV/AIDS, and newly diagnosed HIV infections by year²: 1999–2008, Massachusetts

Year	HIV/AIDS Prevalence	Deaths among those with HIV/AIDS	Diagnosis of HIV Infection
1999	12,533	398	1,369
2000	13,394	376	1,237
2001	14,009	423	1,038
2002	14,737	379	1,107
2003	15,343	397	1,003
2004	16,000	330	987
2005	16,597	303	900
2006	17,086	294	784
2007	17,442	261	617
2008	17,755	250	563 ³

¹ Number of People living with HIV/AIDS on 12/31 of each year

² Reflects year of diagnosis for HIV infection among all individuals reported with HIV infection, with or without an AIDS diagnosis

³ 2008 HIV diagnosis data are preliminary

Data source: MDPH HIV/AIDS Surveillance Program, data as of 1/1/10

Table 4. People diagnosed with HIV infection from 2006–2008¹ and people living with HIV/AIDS on December 31, 2009 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Massachusetts

	HIV Infection Diagnoses		PLWH/A	
	N	%	N	%
Gender:				
Male	1,427	73%	12,878	71%
Female	537	27%	5,167	29%
Place of Birth:				
US	1,211	62%	12,132	67%
Puerto Rico/US Dependency ²	172	9%	2,170	12%
Non-US	581	30%	3,743	21%
Race/Ethnicity:				
White (non-Hispanic)	816	42%	8,024	44%
Black (non-Hispanic)	607	31%	5,143	29%
Hispanic	490	25%	4,544	25%
Other/Undetermined ³	51	3%	334	2%
Exposure Mode:				
Male-to-male sex (MSM)	786	40%	6,316	35%
Injection Drug Use (IDU)	237	12%	4,285	24%
MSM/IDU	56	3%	608	3%
Heterosexual Sex	196	10%	2,478	14%
Other	10	1%	434	2%
Total Undetermined	679	35%	3,924	22%
• Presumed Heterosexual Sex ⁴	448	23%	2,815	16%
• Undetermined ⁵	231	12%	1,109	6%
Age:				
	At Diagnosis		On December 31, 2009	
Under 13	6	<1%	53	<1%
13 to 19	39	2%	165	1%
20 to 24	155	8%	258	1%
25 to 29	245	12%	554	3%
30 to 34	242	12%	997	6%
35 to 39	317	16%	1,822	10%
40 to 44	334	17%	3,293	18%
45 to 49	286	15%	4,143	23%
50 to 54	167	9%	3,305	18%
55 to 59	99	5%	1,889	10%
60+	74	4%	1,566	9%
Total	1,964	100%	18,045	100%

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

³ Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

⁴ Heterosexual sex with partners with unknown risk and HIV status

⁵ Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 1/1/10

Table 5. People living with HIV/AIDS on December 31, 2009 by gender and race/ethnicity: Massachusetts

Race/Ethnicity:	Male		Female	
	N	%	N	%
White Non-Hispanic	6,595	51%	1,429	28%
Black Non-Hispanic	2,962	23%	2,181	42%
Hispanic	3,077	24%	1,467	28%
Other/Undetermined ¹	244	2%	90	2%
Total	12,878	100%	5,167	100%

¹ Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity
 Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 1/1/10

Table 6. People living with HIV/AIDS on December 31, 2009 by gender and exposure mode: Massachusetts

Exposure Mode:	Male		Female	
	N	%	N	%
Male-to-male sex (MSM)	6,316	49%	N/A	N/A
Injection drug use (IDU)	2,904	23%	1,381	27%
MSM/IDU	608	5%	N/A	N/A
Heterosexual sex	731	6%	1,747	34%
Other	245	2%	189	4%
Total Undetermined	2,074	16%	1,850	36%
• Presumed heterosexual sex ¹	1,322	10%	1,493	29%
• Undetermined ²	752	6%	357	7%
Total	12,878	100%	5,167	100%

¹ Heterosexual sex with partners with unknown risk and HIV status
² Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up
 N/A=Not Applicable
 Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 1/1/10

Table 7. People diagnosed with HIV infection by gender and year of diagnosis: Massachusetts, before 1999, 1999–2008¹

	Male		Female		Total
	N	%	N	%	
< 1999	15,906	77%	4,721	23%	20,627
1999	948	69%	421	31%	1,369
2000	863	70%	374	30%	1,237
2001	732	71%	306	29%	1,038
2002	753	68%	354	32%	1,107
2003	685	68%	318	32%	1,003
2004	692	70%	295	30%	987
2005	658	73%	242	27%	900
2006	563	72%	221	28%	784
2007	447	72%	170	28%	617
2008 ²	417	74%	146	26%	563

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² 2008 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 1/1/10

Table 8. People diagnosed with HIV infection by race/ethnicity and year of diagnosis: Massachusetts, before 1999, 1999–2008¹

	White NH		Black NH		Hispanic		Other/ Undetermined ²		Total
	N	%	N	%	N	%	N	%	
< 1999	11,348	55%	4,824	23%	4,295	21%	160	1%	20,627
1999	579	42%	408	30%	353	26%	29	2%	1,369
2000	477	39%	428	35%	298	24%	34	3%	1,237
2001	429	41%	330	32%	251	24%	28	3%	1,038
2002	426	38%	388	35%	261	24%	32	3%	1,107
2003	400	40%	337	34%	243	24%	23	2%	1,003
2004	376	38%	326	33%	261	26%	24	2%	987
2005	351	39%	299	33%	231	26%	19	2%	900
2006	328	42%	237	30%	202	26%	17	2%	784
2007	253	41%	191	31%	161	26%	12	2%	617
2008 ³	235	42%	179	32%	127	23%	22	4%	563

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

³ 2008 data are preliminary

NH = Non-Hispanic

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 1/1/10

Table 9. People diagnosed with HIV infection by place of birth and year of diagnosis: Massachusetts, before 1999, 1999–2008¹

	US		Puerto Rico/ US Dependency ²		Non-US		Total
	N	%	N	%	N	%	
< 1999	15,909	77%	2,605	13%	2,113	10%	20,627
1999	935	68%	185	14%	249	18%	1,369
2000	783	63%	140	11%	314	25%	1,237
2001	639	62%	119	11%	280	27%	1,038
2002	655	59%	105	9%	347	31%	1,107
2003	625	62%	97	10%	281	28%	1,003
2004	611	62%	107	11%	269	27%	987
2005	531	59%	90	10%	279	31%	900
2006	490	63%	65	8%	229	29%	784
2007	372	60%	56	9%	189	31%	617
2008 ³	349	62%	51	9%	163	29%	563

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

³ 2008 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 1/1/10

Table 10. People diagnosed with HIV infection by exposure mode and year of diagnosis: Massachusetts, before 1999, 1999–2008¹

	MSM		IDU		MSM/ IDU		HTSX		Other		Pres. HTSX ²		Undeter- mined ³		Total N
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	
<1999	7,677	37%	7,235	35%	893	4%	2,082	10%	775	4%	1,228	6%	737	4%	20,627
1999	385	28%	402	29%	48	4%	211	15%	22	2%	239	17%	62	5%	1,369
2000	369	30%	271	22%	30	2%	205	17%	21	2%	260	21%	81	7%	1,237
2001	322	31%	211	20%	32	3%	176	17%	14	1%	203	20%	80	8%	1,038
2002	346	31%	202	18%	25	2%	189	17%	7	1%	251	23%	87	8%	1,107
2003	340	34%	160	16%	28	3%	128	13%	14	1%	226	23%	107	11%	1,003
2004	321	33%	160	16%	22	2%	129	13%	12	1%	235	24%	108	11%	987
2005	336	37%	131	15%	23	3%	101	11%	4	0%	204	23%	101	11%	900
2006	322	41%	96	12%	13	2%	81	10%	5	1%	188	24%	79	10%	784
2007	225	36%	87	14%	20	3%	54	9%	4	1%	140	23%	87	14%	617
2008 ⁴	239	42%	54	10%	23	4%	61	11%	1	0%	120	21%	65	12%	563

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Heterosexual sex with partners with unknown risk and HIV status

³ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up

⁴ 2008 data are preliminary

MSM = Male-to-Male Sex; IDU = Injection Drug Use; MSM/IDU = Male-to-Male Sex and Injection Drug Use; HTSX = Heterosexual Sex; Pres. HTSX = Presumed Heterosexual Sex

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 1/1/10

Table 11. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by year of diagnosis: Massachusetts, 1999–2008¹

	HIV and AIDS diagnosed within two months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within two months
Year:	N	N	%
1999	389	1,369	28%
2000	336	1,237	27%
2001	307	1,038	30%
2002	304	1,107	27%
2003	275	1,003	27%
2004	301	987	30%
2005	264	900	29%
2006	242	784	31%
2007	198	617	32%
2008 ²	152	563	27%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² 2008 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program, data as of 1/1/10

Table 12. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by gender, race/ethnicity, and place of birth: Massachusetts, 2006–2008¹

	HIV and AIDS diagnosed within two months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within two months
Gender:	N	N	%
Male	450	1,427	32%
Female	142	537	26%
Race/Ethnicity:	N	N	%
White (non-Hispanic)	208	816	25%
Black (non-Hispanic)	199	607	33%
Hispanic	169	490	34%
Other/Undetermined ²	16	51	31%
Place of Birth:	N	N	%
US	319	1,211	26%
Puerto Rico/US Dependencies ³	50	172	29%
Non-US	223	581	38%
Total	592	1,964	30%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

³ Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

Data Source: MDPH HIV/AIDS Surveillance Program, data as of 1/1/10