

Regional HIV/AIDS Epidemiologic Profile of Metrowest Health Service Region, Massachusetts: 2010

Table 1. Total number of people reported with HIV infection or AIDS¹ by mortality status on December 31, 2009 Metrowest Health Service Region, Massachusetts

	N	%
People Living with HIV/AIDS	2,428	60%
People Reported with HIV or AIDS who are Deceased	1,642	40%
Total Number of People Reported with HIV Infection or AIDS	4,070	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: Metrowest Health Service Region, Massachusetts

Average annual HIV diagnosis rate from 2006–2008	Average rate per 100,000	Average annual number of HIV diagnoses
Metrowest Health Service Region, MA	6.9	103.0
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
Metrowest Health Service Region, MA	163.7	2,428
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, Metrowest Health Service Region, Massachusetts

Year	HIV/AIDS Prevalence	Deaths among those with HIV/AIDS	Diagnosis of HIV Infection
1999	1,540	50	167
2000	1,661	44	165
2001	1,732	54	125
2002	1,850	36	154
2003	1,942	45	137
2004	2,031	37	126
2005	2,141	29	139
2006	2,208	38	105
2007	2,294	24	110
2008	2,365	23	94

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: Metrowest Health Service Region, Massachusetts

	HIV Infection Diagnoses		PLWH/A	
Gender:	N	%	N	%
Male	220	71%	1,740	72%
Female	89	29%	688	28%
Place of Birth:	N	%	N	%
US	180	58%	1,540	63%
Puerto Rico/US Dependency ²	9	3%	77	3%
Non-US	120	39%	811	33%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	142	46%	1,261	52%
Black (non-Hispanic)	100	32%	812	33%
Hispanic	55	18%	292	12%
Other/Undetermined ³	12	4%	63	3%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	134	43%	957	39%
Injection Drug Use (IDU)	27	9%	339	14%
MSM/IDU	8	3%	70	3%
Heterosexual Sex	34	11%	302	12%
Other	2	1%	72	3%
Total Undetermined	104	34%	688	28%
• Presumed Heterosexual Sex ⁴	63	20%	478	20%
• Undetermined ⁵	41	13%	210	9%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2009	
Under 13	2	1%	8	<1%
13 to 19	5	2%	27	1%
20 to 24	28	9%	33	1%
25 to 29	32	10%	79	3%
30 to 34	43	14%	137	6%
35 to 39	48	16%	252	10%
40 to 44	57	18%	452	19%
45 to 49	36	12%	519	21%
50 to 54	30	10%	431	18%
55 to 59	14	5%	248	10%
60+	14	5%	242	10%
Total	309	100%	2,428	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: Metrowest Health Service Region, Massachusetts

Race/Ethnicity:	Male		Female	
	N	%	N	%
White Non-Hispanic	1,049	60%	212	31%
Black Non-Hispanic	411	24%	401	58%
Hispanic	225	13%	67	10%
Other/Undetermined ¹	55	3%	8	1%
Total	1,740	100%	688	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: Metrowest Health Service Region, Massachusetts

Exposure Mode:	Male		Female	
	N	%	N	%
Male-to-male sex (MSM)	957	55%	N/A	N/A
Injection drug use (IDU)	201	12%	138	20%
MSM/IDU	70	4%	N/A	N/A
Heterosexual sex	98	6%	204	30%
Other	47	3%	25	4%
Total Undetermined	367	21%	321	47%
• Presumed heterosexual sex ¹	223	13%	255	37%
• Undetermined ²	144	8%	66	10%
Total	1,740	100%	688	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: Metrowest Health Service Region, Massachusetts, before 1999, 1999–2008¹

	Male		Female		Total
	N	%	N	%	
< 1999	2,157	80%	527	20%	2,684
1999	111	66%	56	34%	167
2000	110	67%	55	33%	165
2001	91	73%	34	27%	125
2002	94	61%	60	39%	154
2003	92	67%	45	33%	137
2004	93	74%	33	26%	126
2005	102	73%	37	27%	139
2006	76	72%	29	28%	105
2007	76	69%	34	31%	110
2008 ²	68	72%	26	28%	94

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: Metrowest Health Service Region, Massachusetts, before 1999, 1999–2008¹

	White NH		Black NH		Hispanic		Other/ Undetermined ²		Total
	N	%	N	%	N	%	N	%	
< 1999	1,863	69%	562	21%	223	8%	36	1%	2,684
1999	79	47%	66	40%	22	13%	0	0%	167
2000	79	48%	68	41%	17	10%	1	1%	165
2001	54	43%	46	37%	20	16%	5	4%	125
2002	59	38%	70	45%	18	12%	7	5%	154
2003	60	44%	56	41%	18	13%	3	2%	137
2004	65	52%	41	33%	14	11%	6	5%	126
2005	72	52%	48	35%	14	10%	5	4%	139
2006	54	51%	25	24%	22	21%	4	4%	105
2007	45	41%	45	41%	17	15%	3	3%	110
2008 ³	43	46%	30	32%	16	17%	5	5%	94

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: Metrowest Health Service Region, Massachusetts, before 1999, 1999–2008¹

	US		Puerto Rico/ US Dependency ²		Non-US		Total
	N	%	N	%	N	%	
< 1999	2,123	79%	89	3%	472	18%	2,684
1999	103	62%	8	5%	56	34%	167
2000	102	62%	7	4%	56	34%	165
2001	70	56%	5	4%	50	40%	125
2002	73	47%	2	1%	79	51%	154
2003	72	53%	1	1%	64	47%	137
2004	73	58%	5	4%	48	38%	126
2005	77	55%	0	0%	62	45%	139
2006	64	61%	4	4%	37	35%	105
2007	61	55%	2	2%	47	43%	110
2008 ³	55	59%	3	3%	36	38%	94

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: Metrowest Health Service Region, 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	1,309	49%	546	20%	99	4%	229	9%	141	5%	229	9%	131	5%	2,684
1999	55	33%	36	22%	4	2%	16	10%	3	2%	41	25%	12	7%	167
2000	51	31%	23	14%	4	2%	29	18%	4	2%	42	25%	12	7%	165
2001	39	31%	13	10%	6	5%	24	19%	3	2%	29	23%	11	9%	125
2002	42	27%	15	10%	0	0%	30	19%	1	1%	48	31%	18	12%	154
2003	44	32%	11	8%	1	1%	12	9%	5	4%	42	31%	22	16%	137
2004	47	37%	10	8%	4	3%	15	12%	0	0%	34	27%	16	13%	126
2005	52	37%	12	9%	5	4%	15	11%	0	0%	37	27%	18	13%	139
2006	48	46%	17	16%	2	2%	11	10%	1	1%	13	12%	13	12%	105
2007	38	35%	7	6%	3	3%	13	12%	1	1%	30	27%	18	16%	110
2008 ⁴	48	51%	3	3%	3	3%	10	11%	0	0%	20	21%	10	11%	94

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: Metrowest Health Service Region, 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	47	167	28%
2000	55	165	33%
2001	47	125	38%
2002	48	154	31%
2003	44	137	32%
2004	40	126	32%
2005	48	139	35%
2006	33	105	31%
2007	40	110	36%
2008 ²	23	94	24%

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: Metrowest Health Service Region, 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	72	220	33%
Female	24	89	27%
Race/Ethnicity:	N	N	%
White (non-Hispanic)	41	142	29%
Black (non-Hispanic)	30	100	30%
Hispanic	23	55	42%
Other/Undetermined ²	2	12	17%
Place of Birth:	N	N	%
US	49	180	27%
Puerto Rico/US Dependencies ³	2	9	22%
Non-US	45	120	38%
Total	96	309	31%

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