

Regional HIV/AIDS Epidemiologic Profile of Plymouth County, Massachusetts: 2010

Table 1. Total number of people reported with HIV infection or AIDS¹ by mortality status on December 31, 2009 Plymouth County, Massachusetts

	N	%
People Living with HIV/AIDS	681	57%
People Reported with HIV or AIDS who are Deceased	510	43%
Total Number of People Reported with HIV Infection or AIDS	1,191	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 rate of people living with HIV/AIDS on 12/31/09¹: Plymouth County, Massachusetts

Average annual HIV diagnosis rate from 2006–2008	Average rate per 100,000	Average annual number of HIV diagnoses
Plymouth County, MA	6.0	28.7
Massachusetts Total	10.3	654.7

Rate of people living with HIV/AIDS on 12/31/09	Rate per 100,000	Number of people living with HIV/AIDS
Plymouth County, MA	143.2	681
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, Plymouth County, Massachusetts

Year	HIV/AIDS Prevalence	Deaths among those with HIV/AIDS	Diagnosis of HIV Infection
1999	450	15	50
2000	485	13	48
2001	530	15	60
2002	566	15	51
2003	582	19	35
2004	601	16	35
2005	620	18	37
2006	641	14	35
2007	657	10	26
2008	668	14	25 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: Plymouth County, Massachusetts

	HIV Infection Diagnoses		PLWH/A	
	N	%	N	%
Gender:				
Male	50	58%	454	67%
Female	36	42%	227	33%
Place of Birth:				
US	43	50%	463	68%
Puerto Rico/US Dependency ²	2	2%	36	5%
Non-US	41	48%	182	27%
Race/Ethnicity:				
White (non-Hispanic)	28	33%	329	48%
Black (non-Hispanic)	41	48%	251	37%
Hispanic	16	19%	89	13%
Other/Undetermined ³	1	1%	12	2%
Exposure Mode:				
Male-to-male sex (MSM)	27	31%	183	27%
Injection Drug Use (IDU)	8	9%	140	21%
MSM/IDU	0	0%	14	2%
Heterosexual Sex	10	12%	106	16%
Other	1	1%	28	4%
Total Undetermined	40	47%	210	31%
• Presumed Heterosexual Sex ⁴	28	33%	150	22%
• Undetermined ⁵	12	14%	60	9%
Age:				
	At Diagnosis		On December 31, 2009	
Under 13	0	0%	4	1%
13 to 19	3	3%	9	1%
20 to 24	6	7%	13	2%
25 to 29	13	15%	24	4%
30 to 34	9	10%	36	5%
35 to 39	9	10%	59	9%
40 to 44	13	15%	116	17%
45 to 49	14	16%	144	21%
50 to 54	8	9%	132	19%
55 to 59	7	8%	88	13%
60+	4	5%	56	8%
Total	86	100%	681	100%

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

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: Plymouth County, Massachusetts

Race/Ethnicity:	Male		Female	
	N	%	N	%
White Non-Hispanic	253	56%	76	33%
Black Non-Hispanic	134	30%	117	52%
Hispanic	59	13%	30	13%
Other/Undetermined ¹	8	2%	4	2%
Total	454	100%	227	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: Plymouth County, Massachusetts

Exposure Mode:	Male		Female	
	N	%	N	%
Male-to-male sex (MSM)	183	40%	N/A	N/A
Injection drug use (IDU)	95	21%	45	20%
MSM/IDU	14	3%	N/A	N/A
Heterosexual sex	34	7%	72	32%
Other	17	4%	11	5%
Total Undetermined	111	25%	99	44%
• Presumed heterosexual sex ¹	71	16%	79	35%
• Undetermined ²	40	9%	20	9%
Total	454	100%	227	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: Plymouth County, Massachusetts, before 1999, 1999–2008¹

	Male		Female		Total
	N	%	N	%	
< 1999	592	76%	183	24%	775
1999	33	66%	17	34%	50
2000	30	63%	18	38%	48
2001	33	55%	27	45%	60
2002	39	76%	12	24%	51
2003	16	46%	19	54%	35
2004	22	63%	13	37%	35
2005	22	59%	15	41%	37
2006	19	54%	16	46%	35
2007	17	65%	9	35%	26
2008 ²	14	56%	11	44%	25

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: Plymouth County, Massachusetts, before 1999, 1999–2008¹

	White NH		Black NH		Hispanic		Other/ Undetermined ²		Total
	N	%	N	%	N	%	N	%	
< 1999	501	65%	201	26%	70	9%	3	0%	775
1999	23	46%	18	36%	7	14%	2	4%	50
2000	22	46%	19	40%	5	10%	2	4%	48
2001	26	43%	27	45%	7	12%	0	0%	60
2002	22	43%	19	37%	9	18%	1	2%	51
2003	15	43%	17	49%	-- ⁴	-- ⁴	-- ⁴	-- ⁴	35
2004	18	51%	12	34%	5	14%	0	0%	35
2005	14	38%	18	49%	5	14%	0	0%	37
2006	13	37%	14	40%	7	20%	1	3%	35
2007	10	38%	10	38%	6	23%	0	0%	26
2008 ³	5	20%	17	68%	-- ⁴	-- ⁴	-- ⁴	-- ⁴	25

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

⁴ Numbers less than 5 for localities with populations of less than 50,000 are suppressed for the assurance of confidentiality

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: Plymouth County, Massachusetts, before 1999, 1999–2008¹

	US		Puerto Rico/ US Dependency ²		Non-US		Total
	N	%	N	%	N	%	
< 1999	651	84%	31	4%	93	12%	775
1999	31	62%	4	8%	15	30%	50
2000	31	65%	2	4%	15	31%	48
2001	34	57%	4	7%	22	37%	60
2002	32	63%	6	12%	13	25%	51
2003	22	63%	2	6%	11	31%	35
2004	24	69%	1	3%	10	29%	35
2005	21	57%	4	11%	12	32%	37
2006	22	63%	0	0%	13	37%	35
2007	10	38%	2	8%	14	54%	26
2008 ³	11	44%	0	0%	14	56%	25

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: Plymouth County, 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	233	30%	264	34%	34	4%	95	12%	54	7%	55	7%	40	5%	775
1999	15	30%	14	28%	1	2%	8	16%	0	0%	7	14%	5	10%	50
2000	8	17%	16	33%	0	0%	8	17%	0	0%	13	27%	3	6%	48
2001	8	13%	10	17%	1	2%	13	22%	2	3%	19	32%	7	12%	60
2002	15	29%	9	18%	0	0%	6	12%	1	2%	14	27%	6	12%	51
2003	8	23%	4	11%	0	0%	2	6%	2	6%	13	37%	6	17%	35
2004	12	34%	3	9%	0	0%	3	9%	1	3%	11	31%	5	14%	35
2005	7	19%	5	14%	0	0%	5	14%	1	3%	12	32%	7	19%	37
2006	12	34%	3	9%	0	0%	4	11%	1	3%	12	34%	3	9%	35
2007	8	31%	3	12%	0	0%	3	12%	0	0%	8	31%	4	15%	26
2008 ⁴	7	28%	2	8%	0	0%	3	12%	0	0%	8	32%	5	20%	25

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: Plymouth County, 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	10	50	20%
2000	12	48	25%
2001	21	60	35%
2002	19	51	37%
2003	7	35	20%
2004	16	35	46%
2005	11	37	30%
2006	17	35	49%
2007	9	26	35%
2008 ²	9	25	36%

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: Plymouth County, 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	19	50	38%
Female	16	36	44%
Race/Ethnicity:	N	N	%
White (non-Hispanic)	8	28	29%
Black (non-Hispanic)	19	41	46%
Hispanic	7	16	44%
Other/Undetermined ²	1	1	100%
Place of Birth:	N	N	%
US	12	43	28%
Puerto Rico/US Dependencies ³	1	2	50%
Non-US	22	41	54%
Total	35	86	41%

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

⁴ Numbers less than 5 for localities with populations of less than 50,000 are suppressed for the assurance of confidentiality

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