

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

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

	N	%
People Living with HIV/AIDS	2,470	57%
People Reported with HIV or AIDS who are Deceased	1,835	43%
Total Number of People Reported with HIV Infection or AIDS	4,305	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: Southeast Health Service Region, Massachusetts

Average annual HIV diagnosis rate from 2006–2008	Average rate per 100,000	Average annual number of HIV diagnoses
Southeast Health Service Region, MA	7.3	91.3
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
Southeast Health Service Region, MA	198.6	2,470
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, Southeast Health Service Region, Massachusetts

Year	HIV/AIDS Prevalence	Deaths among those with HIV/AIDS	Diagnosis of HIV Infection
1999	1,796	64	199
2000	1,914	56	174
2001	2,017	69	172
2002	2,104	69	156
2003	2,151	69	116
2004	2,224	50	123
2005	2,279	56	111
2006	2,348	43	112
2007	2,405	35	92
2008	2,428	47	70 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: Southeast Health Service Region, Massachusetts

	HIV Infection Diagnoses		PLWH/A	
Gender:	N	%	N	%
Male	199	73%	1,755	71%
Female	75	27%	715	29%
Place of Birth:	N	%	N	%
US	181	66%	1,893	77%
Puerto Rico/US Dependency ²	12	4%	171	7%
Non-US	81	30%	406	16%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	151	55%	1,551	63%
Black (non-Hispanic)	72	26%	518	21%
Hispanic	46	17%	370	15%
Other/Undetermined ³	5	2%	31	1%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	115	42%	931	38%
Injection Drug Use (IDU)	32	12%	592	24%
MSM/IDU	6	2%	75	3%
Heterosexual Sex	30	11%	373	15%
Other	2	1%	64	3%
Total Undetermined	89	32%	435	18%
• Presumed Heterosexual Sex ⁴	56	20%	296	12%
• Undetermined ⁵	33	12%	139	6%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2009	
Under 13	0	0%	8	<1%
13 to 19	5	2%	20	1%
20 to 24	17	6%	32	1%
25 to 29	36	13%	64	3%
30 to 34	29	11%	113	5%
35 to 39	36	13%	210	9%
40 to 44	41	15%	441	18%
45 to 49	53	19%	591	24%
50 to 54	29	11%	478	19%
55 to 59	19	7%	295	12%
60+	9	3%	218	9%
Total	274	100%	2,470	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: Southeast Health Service Region, Massachusetts

Race/Ethnicity:	Male		Female	
	N	%	N	%
White Non-Hispanic	1205	69%	346	48%
Black Non-Hispanic	292	17%	226	32%
Hispanic	238	14%	132	18%
Other/Undetermined ¹	20	1%	11	2%
Total	1,755	100%	715	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: Southeast Health Service Region, Massachusetts

Exposure Mode:	Male		Female	
	N	%	N	%
Male-to-male sex (MSM)	931	53%	N/A	N/A
Injection drug use (IDU)	368	21%	224	31%
MSM/IDU	75	4%	N/A	N/A
Heterosexual sex	112	6%	261	37%
Other	39	2%	25	3%
Total Undetermined	230	13%	205	29%
• Presumed heterosexual sex ¹	135	8%	161	23%
• Undetermined ²	95	5%	44	6%
Total	1,755	100%	715	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: Southeast Health Service Region, Massachusetts, before 1999, 1999–2008¹

	Male		Female		Total
	N	%	N	%	
< 1999	2,231	76%	703	24%	2,934
1999	146	73%	53	27%	199
2000	117	67%	57	33%	174
2001	116	67%	56	33%	172
2002	109	70%	47	30%	156
2003	81	70%	35	30%	116
2004	95	77%	28	23%	123
2005	84	76%	27	24%	111
2006	77	69%	35	31%	112
2007	70	76%	22	24%	92
2008 ²	52	74%	18	26%	70

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

	White NH		Black NH		Hispanic		Other/ Undetermined ²		Total
	N	%	N	%	N	%	N	%	
< 1999	2,110	72%	463	16%	341	12%	20	1%	2,934
1999	127	64%	40	20%	29	15%	3	2%	199
2000	97	56%	48	28%	25	14%	4	2%	174
2001	109	63%	44	26%	18	10%	1	1%	172
2002	86	55%	37	24%	30	19%	3	2%	156
2003	73	63%	28	24%	10	9%	5	4%	116
2004	65	53%	27	22%	29	24%	2	2%	123
2005	65	59%	34	31%	11	10%	1	1%	111
2006	63	56%	29	26%	16	14%	4	4%	112
2007	48	52%	21	23%	22	24%	1	1%	92
2008 ³	40	57%	22	31%	8	11%	0	0%	70

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

	US		Puerto Rico/ US Dependency ²		Non-US		Total
	N	%	N	%	N	%	
< 1999	2,511	86%	181	6%	242	8%	2,934
1999	157	79%	16	8%	26	13%	199
2000	121	70%	9	5%	44	25%	174
2001	127	74%	7	4%	38	22%	172
2002	108	69%	19	12%	29	19%	156
2003	82	71%	7	6%	27	23%	116
2004	85	69%	12	10%	26	21%	123
2005	81	73%	6	5%	24	22%	111
2006	78	70%	2	2%	32	29%	112
2007	58	63%	7	8%	27	29%	92
2008 ³	45	64%	3	4%	22	31%	70

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: Southeast 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	1,101	38%	1,075	37%	120	4%	296	10%	127	4%	124	4%	91	3%	2,934
1999	74	37%	55	28%	5	3%	31	16%	1	1%	22	11%	11	6%	199
2000	57	33%	39	22%	3	2%	36	21%	2	1%	26	15%	11	6%	174
2001	50	29%	36	21%	9	5%	27	16%	5	3%	31	18%	14	8%	172
2002	55	35%	37	24%	4	3%	25	16%	2	1%	24	15%	9	6%	156
2003	39	34%	18	16%	4	3%	16	14%	2	2%	26	22%	11	9%	116
2004	53	43%	16	13%	2	2%	12	10%	2	2%	24	20%	14	11%	123
2005	46	41%	15	14%	3	3%	12	11%	1	1%	16	14%	18	16%	111
2006	52	46%	11	10%	0	0%	12	11%	1	1%	25	22%	11	10%	112
2007	35	38%	14	15%	3	3%	10	11%	0	0%	18	20%	12	13%	92
2008 ⁴	28	40%	7	10%	3	4%	8	11%	1	1%	13	19%	10	14%	70

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: Southeast 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	61	199	31%
2000	49	174	28%
2001	56	172	33%
2002	57	156	37%
2003	36	116	31%
2004	42	123	34%
2005	30	111	27%
2006	43	112	38%
2007	36	92	39%
2008 ²	24	70	34%

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: Southeast 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	75	199	38%
Female	28	75	37%
Race/Ethnicity:	N	N	%
White (non-Hispanic)	49	151	32%
Black (non-Hispanic)	31	72	43%
Hispanic	21	46	46%
Other/Undetermined ²	2	5	40%
Place of Birth:	N	N	%
US	58	181	32%
Puerto Rico/US Dependencies ³	5	12	42%
Non-US	40	81	49%
Total	103	274	38%

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