

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

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

	N	%
People Living with HIV/AIDS	1,621	61%
People Reported with HIV or AIDS who are Deceased	1,044	39%
Total Number of People Reported with HIV Infection or AIDS	2,665	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: Central Health Service Region, Massachusetts

Average annual HIV diagnosis rate from 2006–2008	Average rate per 100,000	Average annual number of HIV diagnoses
Central Health Service Region, MA	7.2	58.0
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
Central Health Service Region, MA	200.3	1,621
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, Central Health Service Region, Massachusetts

Year	HIV/AIDS Prevalence	Deaths among those with HIV/AIDS	Diagnosis of HIV Infection
1999	1,178	40	97
2000	1,243	31	96
2001	1,276	41	74
2002	1,344	43	111
2003	1,408	36	100
2004	1,459	38	89
2005	1,497	34	72
2006	1,549	25	77
2007	1,578	26	55
2008	1,596	24	42

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: Central Health Service Region, Massachusetts

	HIV Infection Diagnoses		PLWH/A	
Gender:	N	%	N	%
Male	105	60%	1,009	62%
Female	69	40%	612	38%
Place of Birth:	N	%	N	%
US	86	49%	1,008	62%
Puerto Rico/US Dependency ²	24	14%	331	20%
Non-US	64	37%	282	17%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	66	38%	707	44%
Black (non-Hispanic)	60	34%	360	22%
Hispanic	44	25%	532	33%
Other/Undetermined ³	4	2%	22	1%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	52	30%	368	23%
Injection Drug Use (IDU)	26	15%	533	33%
MSM/IDU	1	1%	46	3%
Heterosexual Sex	27	16%	284	18%
Other	0	0%	53	3%
Total Undetermined	68	39%	337	21%
• Presumed Heterosexual Sex ⁴	54	31%	276	17%
• Undetermined ⁵	14	8%	61	4%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2009	
Under 13	0	0%	2	<1%
13 to 19	6	3%	21	1%
20 to 24	16	9%	31	2%
25 to 29	17	10%	46	3%
30 to 34	24	14%	80	5%
35 to 39	28	16%	188	12%
40 to 44	24	14%	250	15%
45 to 49	28	16%	402	25%
50 to 54	16	9%	292	18%
55 to 59	9	5%	176	11%
60+	6	3%	133	8%
Total	174	100%	1,621	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: Central Health Service Region, Massachusetts

Race/Ethnicity:	Male		Female	
	N	%	N	%
White Non-Hispanic	502	50%	205	33%
Black Non-Hispanic	181	18%	179	29%
Hispanic	310	31%	222	36%
Other/Undetermined ¹	16	2%	6	1%
Total	1,009	100%	612	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: Central Health Service Region, Massachusetts

Exposure Mode:	Male		Female	
	N	%	N	%
Male-to-male sex (MSM)	368	36%	N/A	N/A
Injection drug use (IDU)	331	33%	202	33%
MSM/IDU	46	5%	N/A	N/A
Heterosexual sex	74	7%	210	34%
Other	31	3%	22	4%
Total Undetermined	159	16%	178	29%
• Presumed heterosexual sex ¹	121	12%	155	25%
• Undetermined ²	38	4%	23	4%
Total	1,009	100%	612	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: Central Health Service Region, Massachusetts, before 1999, 1999–2008¹

	Male		Female		Total
	N	%	N	%	
< 1999	1,245	68%	581	32%	1,826
1999	61	63%	36	37%	97
2000	62	65%	34	35%	96
2001	52	70%	22	30%	74
2002	67	60%	44	40%	111
2003	53	53%	47	47%	100
2004	49	55%	40	45%	89
2005	51	71%	21	29%	72
2006	45	58%	32	42%	77
2007	35	64%	20	36%	55
2008 ²	25	60%	17	40%	42

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

	White NH		Black NH		Hispanic		Other/ Undetermined ²		Total
	N	%	N	%	N	%	N	%	
< 1999	957	52%	232	13%	627	34%	10	1%	1,826
1999	39	40%	20	21%	36	37%	2	2%	97
2000	41	43%	23	24%	32	33%	0	0%	96
2001	31	42%	15	20%	25	34%	3	4%	74
2002	40	36%	35	32%	34	31%	2	2%	111
2003	37	37%	34	34%	27	27%	2	2%	100
2004	36	40%	27	30%	26	29%	0	0%	89
2005	30	42%	22	31%	18	25%	2	3%	72
2006	19	25%	31	40%	24	31%	3	4%	77
2007	23	42%	19	35%	12	22%	1	2%	55
2008 ³	24	57%	10	24%	8	19%	0	0%	42

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

	US		Puerto Rico/ US Dependency ²		Non-US		Total
	N	%	N	%	N	%	
< 1999	1,304	71%	434	24%	88	5%	1,826
1999	61	63%	19	20%	17	18%	97
2000	55	57%	24	25%	17	18%	96
2001	37	50%	15	20%	22	30%	74
2002	61	55%	16	14%	34	31%	111
2003	56	56%	16	16%	28	28%	100
2004	48	54%	17	19%	24	27%	89
2005	36	50%	13	18%	23	32%	72
2006	31	40%	14	18%	32	42%	77
2007	28	51%	5	9%	22	40%	55
2008 ³	27	64%	5	12%	10	24%	42

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: Central 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	399	22%	895	49%	80	4%	242	13%	85	5%	95	5%	30	2%	1,826
1999	11	11%	32	33%	5	5%	26	27%	1	1%	17	18%	5	5%	97
2000	26	27%	20	21%	1	1%	23	24%	4	4%	20	21%	2	2%	96
2001	16	22%	21	28%	1	1%	19	26%	0	0%	14	19%	3	4%	74
2002	20	18%	26	23%	3	3%	15	14%	2	2%	32	29%	13	12%	111
2003	23	23%	18	18%	3	3%	16	16%	3	3%	29	29%	8	8%	100
2004	15	17%	23	26%	1	1%	17	19%	1	1%	26	29%	6	7%	89
2005	23	32%	17	24%	0	0%	8	11%	0	0%	20	28%	4	6%	72
2006	18	23%	11	14%	0	0%	12	16%	0	0%	30	39%	6	8%	77
2007	19	35%	9	16%	1	2%	7	13%	0	0%	16	29%	3	5%	55
2008 ⁴	15	36%	6	14%	0	0%	8	19%	0	0%	8	19%	5	12%	42

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: Central 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	26	97	27%
2000	23	96	24%
2001	21	74	28%
2002	33	111	30%
2003	27	100	27%
2004	28	89	31%
2005	26	72	36%
2006	24	77	31%
2007	21	55	38%
2008 ²	19	42	45%

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: Central 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	41	105	39%
Female	23	69	33%
Race/Ethnicity:	N	N	%
White (non-Hispanic)	17	66	26%
Black (non-Hispanic)	28	60	47%
Hispanic	17	44	39%
Other/Undetermined ²	2	4	50%
Place of Birth:	N	N	%
US	25	86	29%
Puerto Rico/US Dependencies ³	9	24	38%
Non-US	30	64	47%
Total	64	174	37%

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