

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

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

	N	%
People Living with HIV/AIDS	5,743	57%
People Reported with HIV or AIDS who are Deceased	4,285	43%
Total Number of People Reported with HIV Infection or AIDS	10,028	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: Suffolk County, Massachusetts

Average annual HIV diagnosis rate from 2006–2008	Average rate per 100,000	Average annual number of HIV diagnoses
Suffolk County, MA	28.8	199.0
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
Suffolk County, MA	831.9	5,743
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, Suffolk County, Massachusetts

Year	HIV/AIDS Prevalence	Deaths among those with HIV/AIDS	Diagnosis of HIV Infection
1999	3,903	106	391
2000	4,202	108	407
2001	4,403	120	321
2002	4,656	111	364
2003	4,874	112	330
2004	5,080	89	295
2005	5,275	88	283
2006	5,436	78	239
2007	5,545	75	184
2008	5,651	68	174 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: Suffolk County, Massachusetts

	HIV Infection Diagnoses		PLWH/A	
	N	%	N	%
Gender:				
Male	476	80%	4,391	76%
Female	121	20%	1,352	24%
Place of Birth:				
US	392	66%	4,003	70%
Puerto Rico/US Dependency ²	31	5%	379	7%
Non-US	174	29%	1,361	24%
Race/Ethnicity:				
White (non-Hispanic)	234	39%	2,358	41%
Black (non-Hispanic)	231	39%	2,191	38%
Hispanic	118	20%	1,099	19%
Other/Undetermined ³	14	2%	95	2%
Exposure Mode:				
Male-to-male sex (MSM)	295	49%	2,676	47%
Injection Drug Use (IDU)	45	8%	900	16%
MSM/IDU	25	4%	201	3%
Heterosexual Sex	43	7%	673	12%
Other	4	1%	111	2%
Total Undetermined	185	31%	1,182	21%
• Presumed Heterosexual Sex ⁴	123	21%	861	15%
• Undetermined ⁵	62	10%	321	6%
Age:				
	At Diagnosis		On December 31, 2009	
Under 13	2	<1%	15	<1%
13 to 19	10	2%	40	1%
20 to 24	53	9%	81	1%
25 to 29	83	14%	184	3%
30 to 34	73	12%	315	5%
35 to 39	95	16%	571	10%
40 to 44	111	19%	1,020	18%
45 to 49	78	13%	1,294	23%
50 to 54	43	7%	1,075	19%
55 to 59	29	5%	624	11%
60+	20	3%	524	9%
Total	597	100%	5,743	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: Suffolk County, Massachusetts

Race/Ethnicity:	Male		Female	
	N	%	N	%
White Non-Hispanic	2,164	49%	194	14%
Black Non-Hispanic	1,321	30%	870	64%
Hispanic	831	19%	268	20%
Other/Undetermined ¹	75	2%	20	1%
Total	4,391	100%	1,352	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: Suffolk County, Massachusetts

Exposure Mode:	Male		Female	
	N	%	N	%
Male-to-male sex (MSM)	2,676	61%	N/A	N/A
Injection drug use (IDU)	608	14%	292	22%
MSM/IDU	201	5%	N/A	N/A
Heterosexual sex	218	5%	455	34%
Other	57	1%	54	4%
Total Undetermined	631	14%	551	41%
• Presumed heterosexual sex ¹	410	9%	451	33%
• Undetermined ²	221	5%	100	7%
Total	4,391	100%	1,352	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: Suffolk County, Massachusetts, before 1999, 1999–2008¹

	Male		Female		Total
	N	%	N	%	
< 1999	5,655	81%	1289	19%	6,944
1999	270	69%	121	31%	391
2000	292	72%	115	28%	407
2001	240	75%	81	25%	321
2002	265	73%	99	27%	364
2003	236	72%	94	28%	330
2004	222	75%	73	25%	295
2005	219	77%	64	23%	283
2006	190	79%	49	21%	239
2007	144	78%	40	22%	184
2008 ²	142	82%	32	18%	174

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

	White NH		Black NH		Hispanic		Other/ Undetermined ²		Total
	N	%	N	%	N	%	N	%	
< 1999	3,454	50%	2k492	36%	939	14%	59	1%	6,944
1999	140	36%	164	42%	75	19%	12	3%	391
2000	128	31%	192	47%	73	18%	14	3%	407
2001	118	37%	139	43%	55	17%	9	3%	321
2002	129	35%	159	44%	71	20%	5	1%	364
2003	117	35%	136	41%	73	22%	4	1%	330
2004	105	36%	128	43%	57	19%	5	2%	295
2005	99	35%	105	37%	77	27%	2	1%	283
2006	93	39%	94	39%	48	20%	4	2%	239
2007	69	38%	71	39%	38	21%	6	3%	184
2008 ³	72	41%	66	38%	32	18%	4	2%	174

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

	US		Puerto Rico/ US Dependency ²		Non-US		Total
	N	%	N	%	N	%	
< 1999	5,517	79%	489	7%	938	14%	6,944
1999	278	71%	25	6%	88	23%	391
2000	259	64%	24	6%	124	30%	407
2001	210	65%	14	4%	97	30%	321
2002	226	62%	15	4%	123	34%	364
2003	214	65%	20	6%	96	29%	330
2004	201	68%	9	3%	85	29%	295
2005	176	62%	20	7%	87	31%	283
2006	154	64%	11	5%	74	31%	239
2007	122	66%	10	5%	52	28%	184
2008 ³	116	67%	10	6%	48	28%	174

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: Suffolk 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	3,394	49%	1,776	26%	302	4%	583	8%	183	3%	437	6%	269	4%	6,944
1999	148	38%	77	20%	17	4%	62	16%	8	2%	67	17%	12	3%	391
2000	149	37%	63	15%	9	2%	58	14%	5	1%	95	23%	28	7%	407
2001	132	41%	41	13%	7	2%	48	15%	2	1%	69	21%	22	7%	321
2002	149	41%	42	12%	12	3%	67	18%	1	0%	75	21%	18	5%	364
2003	140	42%	35	11%	10	3%	43	13%	2	1%	69	21%	31	9%	330
2004	130	44%	31	11%	6	2%	27	9%	2	1%	64	22%	35	12%	295
2005	143	51%	26	9%	7	2%	22	8%	3	1%	52	18%	30	11%	283
2006	125	52%	14	6%	8	3%	18	8%	1	0%	54	23%	19	8%	239
2007	79	43%	22	12%	8	4%	10	5%	3	2%	34	18%	28	15%	184
2008 ⁴	91	52%	9	5%	9	5%	15	9%	0	0%	35	20%	15	9%	174

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: Suffolk 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	121	391	31%
2000	102	407	25%
2001	78	321	24%
2002	86	364	24%
2003	92	330	28%
2004	74	295	25%
2005	72	283	25%
2006	65	239	27%
2007	44	184	24%
2008 ²	37	174	21%

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: Suffolk 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	122	476	26%
Female	24	121	20%
Race/Ethnicity:	N	N	%
White (non-Hispanic)	40	234	17%
Black (non-Hispanic)	63	231	27%
Hispanic	39	118	33%
Other/Undetermined ²	4	14	29%
Place of Birth:	N	N	%
US	77	392	20%
Puerto Rico/US Dependencies ³	7	31	23%
Non-US	62	174	36%
Total	146	597	24%

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