



# What is the geographic distribution of the HIV/AIDS epidemic in Massachusetts?

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### Introduction

This fact sheet provides a summary of the geographic distribution of HIV/AIDS in Massachusetts. Table 1 identifies the 15 localities with the highest average annual rate of HIV infection diagnosis and Table 2 identifies the 15 localities with the highest average annual number of HIV infection diagnoses. Table 3 identifies the 15 localities with the highest prevalence of HIV/AIDS per 100,000 population and Table 4 identifies the 15 localities with the highest prevalence of HIV/AIDS.

Examination of HIV infection diagnosis rates and rates of people living with HIV/AIDS within cities and towns reveals disparities that might otherwise be hidden by population size. For example, although the *number* of HIV diagnoses in Provincetown is much smaller than the number of cases in Boston or other large Massachusetts cities, the *rate* of HIV infection diagnoses is much higher since the total year-round population of Provincetown is very small. Therefore, a high *rate* of HIV infection or HIV/AIDS prevalence does not always indicate a high *number* of cases.

The numbers of people living with HIV/AIDS, and diagnosed and reported with HIV infection within the three-year period 2009 to 2011 are presented in summary tables for each Health Service Region and for the 16 cities and towns that were among the top fifteen by one of the following indicators:

- 1) the number of average annual HIV infection diagnoses from 2009 to 2011; or,
- 2) the number of people living with HIV/AIDS.

These analyses provide a point of reference for comparison to the statewide HIV/AIDS epidemic. It must be noted that the geographic information presented in these analyses reflect residence at the *time of report or diagnosis* and **not necessarily current residence**. Therefore, the data may not represent the current distribution of people living with HIV/AIDS.

### Recent changes to the presentation of Massachusetts HIV/AIDS surveillance data

Effective January 1, 2011, the Massachusetts Department of Public Health (MDPH), Bureau of Infectious Diseases, HIV/AIDS fact sheets, epidemiologic reports and other HIV data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts. As of January 1, 2013, this resulted in the removal of 3,529 HIV/AIDS cases, of which 914 have died and 2,615 were living. These persons living with HIV/AIDS may still continue to reside and receive care in the Commonwealth. The total number of persons living with HIV/AIDS, irrespective of location at diagnosis, is the basis for MDPH service planning. This change is partially a result of increased activities required by the Centers for Disease Control and Prevention (CDC) for de-duplication among states in an effort to identify cases that are counted multiple times in the National HIV/AIDS Surveillance System. The cases are assigned to the state that reports the earliest date of AIDS diagnosis if available. If the case has not progressed to AIDS, the case is assigned to the state with the earliest HIV diagnosis date. Please note that previous

HIV/AIDS fact sheets, data reports and presentations included cases that may have been first diagnosed in another state.

Also effective January 1, 2011, the MDPH HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to eliminate the presumed heterosexual exposure mode category for males; those cases have been reassigned to the no identified risk (NIR) exposure mode category. The presumed heterosexual exposure mode category was used with the intention of identifying HIV exposure mode for females when sex with males is the only reported risk factor, there is no evidence of current or past injection drug use (IDU), and behavioral risk and HIV status information about male sexual partners are unknown. Twenty-nine percent of females living with HIV/AIDS and 40% of recent female HIV diagnoses are reported in the presumed heterosexual exposure mode category. The application of the presumed heterosexual exposure mode category to males is overly inclusive in that female to male HIV transmission is biologically less probable, and there are alternate exposure modes that are possible for males, including sex with other men (MSM) or IDU. The CDC reports males diagnosed with HIV/AIDS who report sex with females as their only risk factor, without corresponding partner risk or HIV status information, in the NIR exposure mode category. This revision to report presumed heterosexual male HIV/AIDS cases as NIR will bring Massachusetts HIV/AIDS case reporting for males in alignment with CDC standards. The MDPH will maintain presumed heterosexual and heterosexual exposure mode categories for females

**Table 1. Fifteen cities/towns<sup>1</sup> in Massachusetts<sup>2</sup> with the highest rate of HIV infection diagnosis: average annual rate per 100,000, 2009–2011<sup>3</sup> and average number per year**

Rank	City/Town	Average Rate per 100,000	Average Number
1	Provincetown	385.2	11.3
2	Boston	30.2	186.7
3	Holyoke	26.7	10.7
4	Lawrence	24.0	18.3
5	Brockton	22.0	20.7
6	Chelsea	21.8	7.7
7	Springfield	20.9	32.0
8	Waltham	19.8	12.0
9	Everett	17.6	7.3
10	Lynn	17.0	15.3
11	Lowell	16.3	17.3
12	Worcester	16.0	29.0
13	Cambridge	15.5	16.3
14	Malden	14.0	8.3
15	Medford	13.6	7.7

<sup>1</sup> Cities with fewer than 20 HIV infection diagnoses from 2009–2011 are excluded.

<sup>2</sup> Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>3</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

Data Source: MDPH HIV/AIDS Surveillance Program, data as of 1/1/13

**Table 2. Fifteen cities/towns in Massachusetts<sup>1</sup> with the highest average number of HIV infection diagnosis: 2009–2011<sup>2</sup>**

Rank	City/Town	Average Number	Percent of Total
1	Boston	186.3	29%
2	Springfield	32.0	5%
3	Worcester	29.0	5%
4	Brockton	20.7	3%
5	Lawrence	18.3	3%
6	Lowell	17.3	3%
7	Cambridge	16.3	3%
8	Lynn	15.3	2%
9	New Bedford	12.0	2%
10	Waltham	12.0	2%
11	Provincetown	11.3	2%
12	Holyoke	10.7	2%
13	Somerville	9.3	1%
14	Fall River	9.0	1%
15	Malden	8.3	1%

<sup>1</sup> Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>2</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

Data Source: MDPH HIV/AIDS Surveillance Program, data as of 1/1/13

**Table 3. Fifteen cities/towns<sup>1</sup> in Massachusetts with the highest rate of people living with HIV/AIDS per 100,000 on December 31, 2012**

Rank	City/Town	Rate per 100,000	Number
1	Provincetown	10,503.1	309
2	Boston	875.2	5,405
3	Holyoke	744.7	297
4	Springfield	686.0	1,050
5	Chelsea	562.9	198
6	Lawrence	546.0	417
7	Worcester	513.7	930
8	New Bedford	488.1	464
9	Brockton	476.5	447
10	Lowell	474.1	505
11	Malden	447.4	266
12	Lynn	446.2	403
13	Somerville	431.7	327
14	Everett	412.8	172
15	Cambridge	385.1	405

<sup>1</sup> Cities with fewer than 20 people living with HIV/AIDS on December 31, 2012 are excluded.

<sup>2</sup> Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

Data Source: MDPH HIV/AIDS Surveillance Program, data as of 1/1/13

**Table 4. Fifteen cities/towns<sup>1</sup> in Massachusetts with the highest number of people living with HIV/AIDS per 100,000 on December 31, 2012**

Rank	City/Town	Number	Percent of Total
1	Boston	5,404	29%
2	Springfield	1,050	6%
3	Worcester	930	5%
4	Lowell	505	3%
5	New Bedford	464	3%
6	Brockton	447	2%
7	Lawrence	417	2%
8	Cambridge	405	2%
9	Lynn	403	2%
10	Somerville	327	2%
11	Provincetown	309	2%
12	Holyoke	297	2%
13	Malden	266	1%
14	Fall River	226	1%
15	Quincy	225	1%

<sup>1</sup> Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.  
Data Source: MDPH HIV/AIDS Surveillance Program, data as of 1/1/13

**Table 5. People diagnosed with HIV infection from 2009–2011<sup>1</sup> and people living with HIV/AIDS on December 31, 2012 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Boston HSR, Massachusetts<sup>2</sup>**

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	457	76%	4,455	76%
Female	147	24%	1,375	24%
Place of Birth:	N	%	N	%
US	388	64%	3,957	68%
Puerto Rico/US Dependency <sup>3</sup>	29	5%	346	6%
Non-US	187	31%	1,527	26%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	194	32%	2,345	40%
Black (non-Hispanic)	257	43%	2,239	38%
Hispanic/Latino	134	22%	1,134	19%
Asian/Pacific Islander	14	2%	87	1%
Other/Undetermined <sup>4</sup>	5	1%	25	0%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	281	47%	2,788	48%
Injection Drug Use (IDU)	36	6%	781	13%
MSM/IDU	15	2%	206	4%
Heterosexual Sex	68	11%	731	13%
Other	6	1%	109	2%
Total Undetermined	198	33%	1,215	21%
• Presumed Heterosexual Sex <sup>5</sup>	71	12%	456	8%
• Undetermined <sup>6</sup>	127	21%	759	13%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2012	
Under 13	5	1%	8	<1%
13 to 19	16	3%	38	1%
20 to 24	62	10%	77	1%
25 to 29	75	12%	184	3%
30 to 34	72	12%	285	5%
35 to 39	85	14%	393	7%
40 to 44	85	14%	665	11%
45 to 49	84	14%	1,095	19%
50 to 54	56	9%	1,196	21%
55 to 59	37	6%	936	16%
60+	27	4%	953	16%
<b>Total</b>	<b>604</b>	<b>100%</b>	<b>5,830</b>	<b>100%</b>

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

<sup>2</sup> Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>3</sup> Ninety-eight percent of people diagnosed with HIV infection from 2009–2011 who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, 1% were born in Guam and 1% were born in an unknown dependency.

<sup>4</sup> Other/Undetermined includes American Indian/Alaska Native individuals and persons of unspecified race/ethnicity

<sup>5</sup> Includes female sex with male of unknown HIV status or risk. This category is limited to females.

<sup>6</sup> Includes male sex with female of unknown HIV status or risk, 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 1/1/13

**Table 6. People diagnosed with HIV infection from 2009–2011<sup>1</sup> and people living with HIV/AIDS on December 31, 2012 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Central HSR, Massachusetts<sup>2</sup>**

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	110	64%	983	62%
Female	61	36%	615	38%
Place of Birth:	N	%	N	%
US	95	56%	977	61%
Puerto Rico/US Dependency <sup>3</sup>	15	9%	284	18%
Non-US	61	36%	337	21%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	62	36%	675	42%
Black (non-Hispanic)	66	39%	405	25%
Hispanic/Latino	39	23%	490	31%
Asian/Pacific Islander	-- <sup>7</sup>	-- <sup>7</sup>	23	1%
Other/Undetermined <sup>4</sup>	-- <sup>7</sup>	-- <sup>7</sup>	5	<1%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	53	31%	392	25%
Injection Drug Use (IDU)	14	8%	443	28%
MSM/IDU	-- <sup>7</sup>	-- <sup>7</sup>	47	3%
Heterosexual Sex	34	20%	296	19%
Other	-- <sup>7</sup>	-- <sup>7</sup>	48	3%
Total Undetermined	62	36%	372	23%
• Presumed Heterosexual Sex <sup>5</sup>	22	13%	174	11%
• Undetermined <sup>6</sup>	40	23%	198	12%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2012	
Under 13	2	1%	2	<1%
13 to 19	5	3%	12	1%
20 to 24	19	11%	33	2%
25 to 29	14	8%	47	3%
30 to 34	18	11%	80	5%
35 to 39	27	16%	111	7%
40 to 44	28	16%	194	12%
45 to 49	21	12%	287	18%
50 to 54	20	12%	352	22%
55 to 59	6	4%	243	15%
60+	11	6%	237	15%
<b>Total</b>	<b>171</b>	<b>100%</b>	<b>1,598</b>	<b>100%</b>

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

<sup>2</sup> Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>3</sup> Ninety-eight percent of people diagnosed with HIV infection from 2009–2011 who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, 1% were born in Guam and 1% were born in an unknown dependency.

<sup>4</sup> Other/Undetermined includes American Indian/Alaska Native individuals and persons of unspecified race/ethnicity

<sup>5</sup> Includes female sex with male of unknown HIV status or risk. This category is limited to females.

<sup>6</sup> Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

<sup>7</sup> Values less than five are suppressed for populations less than 50,000 or for unknown values. Additional values may be suppressed to prevent back calculation.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/13



**Table 7. People diagnosed with HIV infection from 2009–2011<sup>1</sup> and people living with HIV/AIDS on December 31, 2012 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Metro West HSR, Massachusetts<sup>2</sup>**

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	250	77%	1,886	72%
Female	75	23%	742	28%
Place of Birth:	N	%	N	%
US	177	54%	1,611	61%
Puerto Rico/US Dependency <sup>3</sup>	9	3%	74	3%
Non-US	139	43%	943	36%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	144	44%	1,322	50%
Black (non-Hispanic)	104	32%	907	35%
Hispanic/Latino	61	19%	330	13%
Asian/Pacific Islander	-- <sup>7</sup>	-- <sup>7</sup>	60	2%
Other/Undetermined <sup>4</sup>	-- <sup>7</sup>	-- <sup>7</sup>	9	<1%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	153	47%	1,055	40%
Injection Drug Use (IDU)	13	4%	298	11%
MSM/IDU	-- <sup>7</sup>	-- <sup>7</sup>	78	3%
Heterosexual Sex	33	10%	355	14%
Other	-- <sup>7</sup>	-- <sup>7</sup>	67	3%
Total Undetermined	111	34%	775	29%
• Presumed Heterosexual Sex <sup>5</sup>	30	9%	282	11%
• Undetermined <sup>6</sup>	81	25%	493	19%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2012	
Under 13	3	1%	6	<1%
13 to 19	5	2%	18	1%
20 to 24	25	8%	39	1%
25 to 29	42	13%	71	3%
30 to 34	42	13%	149	6%
35 to 39	40	12%	196	7%
40 to 44	51	16%	307	12%
45 to 49	59	18%	515	20%
50 to 54	23	7%	507	19%
55 to 59	14	4%	377	14%
60+	21	6%	443	17%
<b>Total</b>	<b>325</b>	<b>100%</b>	<b>2,628</b>	<b>100%</b>

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

<sup>2</sup> Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>3</sup> Ninety-eight percent of people diagnosed with HIV infection from 2009–2011 who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, 1% were born in Guam and 1% were born in an unknown dependency.

<sup>4</sup> Other/Undetermined includes American Indian/Alaska Native individuals and persons of unspecified race/ethnicity

<sup>5</sup> Includes female sex with male of unknown HIV status or risk. This category is limited to females.

<sup>6</sup> Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

<sup>7</sup> Values less than five are suppressed for populations less than 50,000 or for unknown values. Additional values may be suppressed to prevent back calculation.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/13

**Table 8. People diagnosed with HIV infection from 2009–2011<sup>1</sup> and people living with HIV/AIDS on December 31, 2012 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Northeast HSR, Massachusetts<sup>2</sup>**

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	225	69%	1,915	66%
Female	101	31%	977	34%
Place of Birth:	N	%	N	%
US	168	52%	1,629	56%
Puerto Rico/US Dependency <sup>3</sup>	22	7%	367	13%
Non-US	136	42%	896	31%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	110	34%	1,245	43%
Black (non-Hispanic)	93	29%	699	24%
Hispanic/Latino	103	32%	830	29%
Asian/Pacific Islander	20	6%	100	3%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	109	33%	908	31%
Injection Drug Use (IDU)	22	7%	492	17%
MSM/IDU	7	2%	81	3%
Heterosexual Sex	43	13%	459	16%
Total Undetermined	143	44%	884	31%
• Presumed Heterosexual Sex <sup>5</sup>	37	11%	324	11%
• Undetermined <sup>6</sup>	106	33%	560	19%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2012	
Under 13	1	<1%	4	<1%
13 to 19	7	2%	24	1%
20 to 24	24	7%	54	2%
25 to 29	30	9%	77	3%
30 to 34	49	15%	143	5%
35 to 39	52	16%	238	8%
40 to 44	53	16%	369	13%
45 to 49	46	14%	588	20%
50 to 54	32	10%	587	20%
55 to 59	14	4%	415	14%
60+	18	6%	393	14%
<b>Total<sup>7</sup></b>	<b>326</b>	<b>100%</b>	<b>2,892</b>	<b>100%</b>

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

<sup>2</sup> Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>3</sup> Ninety-eight percent of people diagnosed with HIV infection from 2009–2011 who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, 1% were born in Guam and 1% were born in an unknown dependency.

<sup>4</sup> Other/Undetermined includes American Indian/Alaska Native individuals and persons of unspecified race/ethnicity

<sup>5</sup> Includes female sex with male of unknown HIV status or risk. This category is limited to females.

<sup>6</sup> Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

<sup>7</sup> Totals include pediatric, blood/blood products exposure modes and American Indian/Alaska Native, other and unknown race/ethnicity  
Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/13

**Table 9. People diagnosed with HIV infection from 2009–2011<sup>1</sup> and people living with HIV/AIDS on December 31, 2012 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Southeast HSR, Massachusetts<sup>2</sup>**

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	197	71%	1,779	71%
Female	81	29%	741	29%
Place of Birth:	N	%	N	%
US	193	69%	1,895	75%
Puerto Rico/US Dependency <sup>3</sup>	9	3%	151	6%
Non-US	76	27%	474	19%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	150	54%	1,542	61%
Black (non-Hispanic)	85	31%	566	22%
Hispanic/Latino	37	13%	372	15%
Asian/Pacific Islander	-- <sup>7</sup>	-- <sup>7</sup>	17	1%
Other/Undetermined <sup>4</sup>	-- <sup>7</sup>	-- <sup>7</sup>	23	1%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	118	42%	973	39%
Injection Drug Use (IDU)	20	7%	539	21%
MSM/IDU	6	2%	77	3%
Heterosexual Sex	36	13%	383	15%
Other	0	0%	54	2%
Total Undetermined	98	35%	494	20%
• Presumed Heterosexual Sex <sup>5</sup>	34	12%	178	7%
• Undetermined <sup>6</sup>	64	23%	316	13%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2012	
Under 13	0	0%	3	<1%
13 to 19	9	3%	11	<1%
20 to 24	24	9%	36	1%
25 to 29	16	6%	64	3%
30 to 34	34	12%	98	4%
35 to 39	30	11%	141	6%
40 to 44	47	17%	276	11%
45 to 49	47	17%	480	19%
50 to 54	30	11%	557	22%
55 to 59	24	9%	458	18%
60+	17	6%	396	16%
<b>Total</b>	<b>278</b>	<b>100%</b>	<b>2,520</b>	<b>100%</b>

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

<sup>2</sup> Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>3</sup> Ninety-eight percent of people diagnosed with HIV infection from 2009–2011 who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, 1% were born in Guam and 1% were born in an unknown dependency.

<sup>4</sup> Other/Undetermined includes American Indian/Alaska Native individuals and persons of unspecified race/ethnicity

<sup>5</sup> Includes female sex with male of unknown HIV status or risk. This category is limited to females.

<sup>6</sup> Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

<sup>7</sup> Values less than five are suppressed for populations less than 50,000 or for unknown values. Additional values may be suppressed to prevent back calculation.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/13

**Table 10. People diagnosed with HIV infection from 2009–2011<sup>1</sup> and people living with HIV/AIDS on December 31, 2012 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Western HSR, Massachusetts<sup>2</sup>**

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	147	72%	1,291	64%
Female	58	28%	741	36%
Place of Birth:	N	%	N	%
US	151	74%	1,411	69%
Puerto Rico/US Dependency <sup>3</sup>	35	17%	498	25%
Non-US	19	9%	123	6%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	75	37%	626	31%
Black (non-Hispanic)	39	19%	403	20%
Hispanic/Latino	86	42%	973	48%
Asian/Pacific Islander	5	2%	16	1%
Other/Undetermined <sup>4</sup>	0	0%	14	1%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	80	39%	535	26%
Injection Drug Use (IDU)	27	13%	567	28%
MSM/IDU	-- <sup>7</sup>	-- <sup>7</sup>	67	3%
Heterosexual Sex	25	12%	359	18%
Other	-- <sup>7</sup>	-- <sup>7</sup>	61	3%
Total Undetermined	69	34%	443	22%
• Presumed Heterosexual Sex <sup>5</sup>	19	9%	176	9%
• Undetermined <sup>6</sup>	50	24%	267	13%
Age:	N	%	N	%
At Diagnosis			On December 31, 2012	
Under 13	1	<1%	3	<1%
13 to 19	10	5%	13	1%
20 to 24	16	8%	55	3%
25 to 29	21	10%	64	3%
30 to 34	24	12%	103	5%
35 to 39	33	16%	146	7%
40 to 44	22	11%	244	12%
45 to 49	35	17%	396	19%
50 to 54	19	9%	441	22%
55 to 59	12	6%	265	13%
60+	12	6%	302	15%
<b>Total</b>	<b>205</b>	<b>100%</b>	<b>2,032</b>	<b>100%</b>

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

<sup>2</sup> Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>3</sup> Ninety-eight percent of people diagnosed with HIV infection from 2009–2011 who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, 1% were born in Guam and 1% were born in an unknown dependency.

<sup>4</sup> Other/Undetermined includes American Indian/Alaska Native individuals and persons of unspecified race/ethnicity

<sup>5</sup> Includes female sex with male of unknown HIV status or risk. This category is limited to females.

<sup>6</sup> Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

<sup>7</sup> Values less than five are suppressed for populations less than 50,000 or for unknown values. Additional values may be suppressed to prevent back calculation.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/13

**Table 11. People diagnosed with HIV infection from 2009–2011<sup>1</sup> and people living with HIV/AIDS on December 31, 2012 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: City of Boston, Massachusetts<sup>2</sup>**

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	424	76%	4,134	76%
Female	135	24%	1,270	24%
Place of Birth:	N	%	N	%
US	365	65%	3,726	69%
Puerto Rico/US Dependency <sup>3</sup>	25	4%	319	6%
Non-US	169	30%	1,359	25%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	180	32%	2,161	40%
Black (non-Hispanic)	249	45%	2,159	40%
Hispanic/Latino	112	20%	982	18%
Asian/Pacific Islander	13	2%	80	1%
Other/Undetermined <sup>4</sup>	5	1%	22	0%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	262	47%	2,588	48%
Injection Drug Use (IDU)	34	6%	729	13%
MSM/IDU	14	3%	199	4%
Heterosexual Sex	63	11%	672	12%
Other	6	1%	102	2%
Total Undetermined	180	32%	1,114	21%
• Presumed Heterosexual Sex <sup>5</sup>	67	12%	421	8%
• Undetermined <sup>6</sup>	113	20%	693	13%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2012	
Under 13	5	1%	8	<1%
13 to 19	16	3%	35	1%
20 to 24	57	10%	74	1%
25 to 29	67	12%	169	3%
30 to 34	63	11%	249	5%
35 to 39	81	14%	360	7%
40 to 44	75	13%	602	11%
45 to 49	81	14%	1,008	19%
50 to 54	52	9%	1,109	21%
55 to 59	36	6%	885	16%
60+	26	5%	905	17%
<b>Total</b>	<b>559</b>	<b>100%</b>	<b>5,404</b>	<b>100%</b>

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

<sup>2</sup> Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>3</sup> Ninety-eight percent of people diagnosed with HIV infection from 2009–2011 who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, 1% were born in Guam and 1% were born in an unknown dependency.

<sup>4</sup> Other/Undetermined includes American Indian/Alaska Native individuals and persons of unspecified race/ethnicity

<sup>5</sup> Includes female sex with male of unknown HIV status or risk. This category is limited to females.

<sup>6</sup> Includes male sex with female of unknown HIV status or risk, 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 1/1/13

**Table 12. People diagnosed with HIV infection from 2009–2011<sup>1</sup> and people living with HIV/AIDS on December 31, 2012 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Brockton, Massachusetts<sup>2</sup>**

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	28	45%	257	57%
Female	34	55%	190	43%
Place of Birth:	N	%	N	%
US	-- <sup>7</sup>	-- <sup>7</sup>	205	46%
Puerto Rico/US Dependency <sup>3</sup>	-- <sup>7</sup>	-- <sup>7</sup>	35	8%
Non-US	40	65%	207	46%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	5	8%	100	22%
Black (non-Hispanic)	48	77%	269	60%
Hispanic/Latino	9	15%	73	16%
Asian/Pacific Islander	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
Other/Undetermined <sup>4</sup>	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	8	13%	80	18%
Injection Drug Use (IDU)	-- <sup>7</sup>	-- <sup>7</sup>	72	16%
MSM/IDU	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
Heterosexual Sex	14	23%	92	21%
Other	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
Total Undetermined	39	63%	188	42%
• Presumed Heterosexual Sex <sup>5</sup>	23	37%	83	19%
• Undetermined <sup>6</sup>	16	26%	105	23%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2012	
Under 13	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
13 to 19	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
20 to 24	-- <sup>7</sup>	-- <sup>7</sup>	8	2%
25 to 29	-- <sup>7</sup>	-- <sup>7</sup>	13	3%
30 to 34	8	13%	21	5%
35 to 39	6	10%	29	6%
40 to 44	14	23%	53	12%
45 to 49	9	15%	75	17%
50 to 54	7	11%	88	20%
55 to 59	8	13%	83	19%
60+	-- <sup>7</sup>	-- <sup>7</sup>	72	16%
<b>Total</b>	<b>62</b>	<b>100%</b>	<b>447</b>	<b>100%</b>

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

<sup>2</sup> Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>3</sup> Ninety-eight percent of people diagnosed with HIV infection from 2009–2011 who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, 1% were born in Guam and 1% were born in an unknown dependency.

<sup>4</sup> Other/Undetermined includes American Indian/Alaska Native individuals and persons of unspecified race/ethnicity

<sup>5</sup> Includes female sex with male of unknown HIV status or risk. This category is limited to females.

<sup>6</sup> Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

<sup>7</sup> Values less than five are suppressed for populations less than 50,000 or for unknown values. Additional values may be suppressed to prevent back calculation.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/13

**Table 13. People diagnosed with HIV infection from 2009–2011<sup>1</sup> and people living with HIV/AIDS on December 31, 2012 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Cambridge, Massachusetts<sup>2</sup>**

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	41	84%	306	76%
Female	8	16%	99	24%
Place of Birth:	N	%	N	%
US	-- <sup>7</sup>	-- <sup>7</sup>	237	59%
Puerto Rico/US Dependency <sup>3</sup>	-- <sup>7</sup>	-- <sup>7</sup>	14	3%
Non-US	21	43%	154	38%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	21	43%	179	44%
Black (non-Hispanic)	18	37%	171	42%
Hispanic/Latino	5	10%	44	11%
Asian/Pacific Islander	5	10%	-- <sup>7</sup>	-- <sup>7</sup>
Other/Undetermined <sup>4</sup>	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	25	51%	181	45%
Injection Drug Use (IDU)	-- <sup>7</sup>	-- <sup>7</sup>	39	10%
MSM/IDU	-- <sup>7</sup>	-- <sup>7</sup>	14	3%
Heterosexual Sex	0	0%	43	11%
Other	0	0%	14	3%
Total Undetermined	19	39%	114	28%
• Presumed Heterosexual Sex <sup>5</sup>	6	12%	36	9%
• Undetermined <sup>6</sup>	13	27%	78	19%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2012	
Under 13	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
13 to 19	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
20 to 24	-- <sup>7</sup>	-- <sup>7</sup>	7	2%
25 to 29	-- <sup>7</sup>	-- <sup>7</sup>	10	2%
30 to 34	7	14%	20	5%
35 to 39	8	16%	25	6%
40 to 44	5	10%	41	10%
45 to 49	12	24%	63	16%
50 to 54	-- <sup>7</sup>	-- <sup>7</sup>	76	19%
55 to 59	-- <sup>7</sup>	-- <sup>7</sup>	64	16%
60+	-- <sup>7</sup>	-- <sup>7</sup>	95	23%
<b>Total</b>	<b>49</b>	<b>100%</b>	<b>405</b>	<b>100%</b>

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

<sup>2</sup> Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>3</sup> Ninety-eight percent of people diagnosed with HIV infection from 2009–2011 who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, 1% were born in Guam and 1% were born in an unknown dependency.

<sup>4</sup> Other/Undetermined includes American Indian/Alaska Native individuals and persons of unspecified race/ethnicity

<sup>5</sup> Includes female sex with male of unknown HIV status or risk. This category is limited to females.

<sup>6</sup> Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

<sup>7</sup> Values less than five are suppressed for populations less than 50,000 or for unknown values. Additional values may be suppressed to prevent back calculation.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/13



**Table 14. People diagnosed with HIV infection from 2009–2011<sup>1</sup> and people living with HIV/AIDS on December 31, 2012 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Fall River, Massachusetts<sup>2</sup>**

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	19	70%	142	63%
Female	8	30%	84	37%
Place of Birth:	N	%	N	%
US	21	78%	172	76%
Puerto Rico/US Dependency <sup>3</sup>	-- <sup>7</sup>	-- <sup>7</sup>	24	11%
Non-US	-- <sup>7</sup>	-- <sup>7</sup>	30	13%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	15	56%	136	60%
Black (non-Hispanic)	-- <sup>7</sup>	-- <sup>7</sup>	40	18%
Hispanic/Latino	8	30%	48	21%
Asian/Pacific Islander	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
Other/Undetermined <sup>4</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	8	30%	54	24%
Injection Drug Use (IDU)	6	22%	85	38%
MSM/IDU	0	0%	7	3%
Heterosexual Sex	6	22%	42	19%
Other	0	0%	10	4%
Total Undetermined	7	26%	28	12%
• Presumed Heterosexual Sex <sup>5</sup>	0	0%	7	3%
• Undetermined <sup>6</sup>	7	26%	21	9%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2012	
Under 13	0	0%	0	0%
13 to 19	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
20 to 24	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
25 to 29	0	0%	8	4%
30 to 34	5	19%	15	7%
35 to 39	5	19%	13	6%
40 to 44	-- <sup>7</sup>	-- <sup>7</sup>	23	10%
45 to 49	6	22%	47	21%
50 to 54	-- <sup>7</sup>	-- <sup>7</sup>	51	23%
55 to 59	-- <sup>7</sup>	-- <sup>7</sup>	41	18%
60+	-- <sup>7</sup>	-- <sup>7</sup>	20	9%
<b>Total</b>	<b>27</b>	<b>100%</b>	<b>226</b>	<b>100%</b>

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

<sup>2</sup> Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>3</sup> Ninety-eight percent of people diagnosed with HIV infection from 2009–2011 who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, 1% were born in Guam and 1% were born in an unknown dependency.

<sup>4</sup> Other/Undetermined includes American Indian/Alaska Native individuals and persons of unspecified race/ethnicity

<sup>5</sup> Includes female sex with male of unknown HIV status or risk. This category is limited to females.

<sup>6</sup> Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

<sup>7</sup> Values less than five are suppressed for populations less than 50,000 or for unknown values. Additional values may be suppressed to prevent back calculation.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/13



**Table 15. People diagnosed with HIV infection from 2009–2011<sup>1</sup> and people living with HIV/AIDS on December 31, 2012 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Holyoke, Massachusetts<sup>2</sup>**

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	21	66%	172	58%
Female	11	34%	125	42%
Place of Birth:	N	%	N	%
US	16	50%	139	47%
Puerto Rico/US Dependency <sup>3</sup>	-- <sup>7</sup>	-- <sup>7</sup>	147	49%
Non-US	-- <sup>7</sup>	-- <sup>7</sup>	11	4%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	8	25%	52	18%
Black (non-Hispanic)	-- <sup>7</sup>	-- <sup>7</sup>	16	5%
Hispanic/Latino	22	69%	227	76%
Asian/Pacific Islander	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
Other/Undetermined <sup>4</sup>	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	8	25%	46	15%
Injection Drug Use (IDU)	5	16%	104	35%
MSM/IDU	-- <sup>7</sup>	-- <sup>7</sup>	9	3%
Heterosexual Sex	9	28%	74	25%
Other	-- <sup>7</sup>	-- <sup>7</sup>	14	5%
Total Undetermined	9	28%	50	17%
• Presumed Heterosexual Sex <sup>5</sup>	-- <sup>7</sup>	-- <sup>7</sup>	17	6%
• Undetermined <sup>6</sup>	-- <sup>7</sup>	-- <sup>7</sup>	33	11%
Age:	N	%	N	%
At Diagnosis			On December 31, 2012	
Under 13	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
13 to 19	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
20 to 24	-- <sup>7</sup>	-- <sup>7</sup>	12	4%
25 to 29	-- <sup>7</sup>	-- <sup>7</sup>	10	3%
30 to 34	6	19%	13	4%
35 to 39	-- <sup>7</sup>	-- <sup>7</sup>	27	9%
40 to 44	5	16%	35	12%
45 to 49	7	22%	60	20%
50 to 54	-- <sup>7</sup>	-- <sup>7</sup>	75	25%
55 to 59	-- <sup>7</sup>	-- <sup>7</sup>	31	10%
60+	-- <sup>7</sup>	-- <sup>7</sup>	30	10%
<b>Total</b>	<b>32</b>	<b>100%</b>	<b>297</b>	<b>100%</b>

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

<sup>2</sup> Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>3</sup> Ninety-eight percent of people diagnosed with HIV infection from 2009–2011 who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, 1% were born in Guam and 1% were born in an unknown dependency.

<sup>4</sup> Other/Undetermined includes American Indian/Alaska Native individuals and persons of unspecified race/ethnicity

<sup>5</sup> Includes female sex with male of unknown HIV status or risk. This category is limited to females.

<sup>6</sup> Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

<sup>7</sup> Values less than five are suppressed for populations less than 50,000 or for unknown values. Additional values may be suppressed to prevent back calculation.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/13

**Table 16. People diagnosed with HIV infection from 2009–2011<sup>1</sup> and people living with HIV/AIDS on December 31, 2012 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Lawrence, Massachusetts<sup>2</sup>**

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	30	55%	227	54%
Female	25	45%	190	46%
Place of Birth:	N	%	N	%
US	12	22%	118	28%
Puerto Rico/US Dependency <sup>3</sup>	13	24%	161	39%
Non-US	30	55%	138	33%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	-- <sup>7</sup>	-- <sup>7</sup>	45	11%
Black (non-Hispanic)	6	11%	29	7%
Hispanic/Latino	46	84%	340	82%
Asian/Pacific Islander	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
Other/Undetermined <sup>4</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	6	11%	41	10%
Injection Drug Use (IDU)	8	15%	105	25%
MSM/IDU	-- <sup>7</sup>	-- <sup>7</sup>	5	1%
Heterosexual Sex	18	33%	120	29%
Other	-- <sup>7</sup>	-- <sup>7</sup>	14	3%
Total Undetermined	22	40%	132	32%
• Presumed Heterosexual Sex <sup>5</sup>	5	9%	44	11%
• Undetermined <sup>6</sup>	17	31%	88	21%
Age:	N	%	N	%
At Diagnosis			On December 31, 2012	
Under 13	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
13 to 19	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
20 to 24	-- <sup>7</sup>	-- <sup>7</sup>	10	2%
25 to 29	8	15%	7	2%
30 to 34	6	11%	33	8%
35 to 39	9	16%	40	10%
40 to 44	9	16%	53	13%
45 to 49	5	9%	76	18%
50 to 54	7	13%	75	18%
55 to 59	5	9%	55	13%
60+	-- <sup>7</sup>	-- <sup>7</sup>	63	15%
<b>Total</b>	<b>55</b>	<b>100%</b>	<b>417</b>	<b>100%</b>

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

<sup>2</sup> Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>3</sup> Ninety-eight percent of people diagnosed with HIV infection from 2009–2011 who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, 1% were born in Guam and 1% were born in an unknown dependency.

<sup>4</sup> Other/Undetermined includes American Indian/Alaska Native individuals and persons of unspecified race/ethnicity

<sup>5</sup> Includes female sex with male of unknown HIV status or risk. This category is limited to females.

<sup>6</sup> Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

<sup>7</sup> Values less than five are suppressed for populations less than 50,000 or for unknown values. Additional values may be suppressed to prevent back calculation.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/13

**Table 17. People diagnosed with HIV infection from 2009–2011<sup>1</sup> and people living with HIV/AIDS on December 31, 2012 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Lowell, Massachusetts<sup>2</sup>**

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	30	58%	296	59%
Female	22	42%	209	41%
Place of Birth:	N	%	N	%
US	26	50%	197	39%
Puerto Rico/US Dependency <sup>3</sup>	-- <sup>7</sup>	-- <sup>7</sup>	109	22%
Non-US	-- <sup>7</sup>	-- <sup>7</sup>	199	39%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	10	19%	119	24%
Black (non-Hispanic)	21	40%	164	32%
Hispanic/Latino	10	19%	171	34%
Asian/Pacific Islander	11	21%	48	10%
Other/Undetermined <sup>4</sup>	0	0%	3	1%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	10	19%	86	17%
Injection Drug Use (IDU)	6	12%	112	22%
MSM/IDU	-- <sup>7</sup>	-- <sup>7</sup>	7	1%
Heterosexual Sex	-- <sup>7</sup>	-- <sup>7</sup>	87	17%
Other	1	2%	17	3%
Total Undetermined	30	58%	196	39%
• Presumed Heterosexual Sex <sup>5</sup>	6	12%	72	14%
• Undetermined <sup>6</sup>	24	46%	124	25%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2012	
Under 13	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
13 to 19	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
20 to 24	-- <sup>7</sup>	-- <sup>7</sup>	9	2%
25 to 29	-- <sup>7</sup>	-- <sup>7</sup>	16	3%
30 to 34	10	19%	20	4%
35 to 39	12	23%	51	10%
40 to 44	5	10%	85	17%
45 to 49	5	10%	114	23%
50 to 54	6	12%	85	17%
55 to 59	-- <sup>7</sup>	-- <sup>7</sup>	57	11%
60+	-- <sup>7</sup>	-- <sup>7</sup>	58	11%
<b>Total</b>	<b>52</b>	<b>100%</b>	<b>505</b>	<b>100%</b>

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

<sup>2</sup> Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>3</sup> Ninety-eight percent of people diagnosed with HIV infection from 2009–2011 who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, 1% were born in Guam and 1% were born in an unknown dependency.

<sup>4</sup> Other/Undetermined includes American Indian/Alaska Native individuals and persons of unspecified race/ethnicity

<sup>5</sup> Includes female sex with male of unknown HIV status or risk. This category is limited to females.

<sup>6</sup> Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

<sup>7</sup> Values less than five are suppressed for populations less than 50,000 or for unknown values. Additional values may be suppressed to prevent back calculation.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/13

**Table 18. People diagnosed with HIV infection from 2009–2011<sup>1</sup> and people living with HIV/AIDS on December 31, 2012 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Lynn, Massachusetts<sup>2</sup>**

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	35	76%	248	62%
Female	11	24%	155	38%
Place of Birth:	N	%	N	%
US	-- <sup>7</sup>	-- <sup>7</sup>	216	54%
Puerto Rico/US Dependency <sup>3</sup>	-- <sup>7</sup>	-- <sup>7</sup>	36	9%
Non-US	26	57%	151	37%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	10	22%	136	34%
Black (non-Hispanic)	15	33%	143	35%
Hispanic/Latino	18	39%	104	26%
Asian/Pacific Islander	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
Other/Undetermined <sup>4</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	13	28%	101	25%
Injection Drug Use (IDU)	-- <sup>7</sup>	-- <sup>7</sup>	71	18%
MSM/IDU	0	0%	11	3%
Heterosexual Sex	-- <sup>7</sup>	-- <sup>7</sup>	55	14%
Other	0	0%	6	1%
Total Undetermined	29	63%	159	39%
• Presumed Heterosexual Sex <sup>5</sup>	8	17%	67	17%
• Undetermined <sup>6</sup>	21	46%	92	23%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2012	
Under 13	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
13 to 19	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
20 to 24	-- <sup>7</sup>	-- <sup>7</sup>	7	2%
25 to 29	-- <sup>7</sup>	-- <sup>7</sup>	13	3%
30 to 34	8	17%	20	5%
35 to 39	5	11%	38	9%
40 to 44	5	11%	38	9%
45 to 49	9	20%	82	20%
50 to 54	6	13%	86	21%
55 to 59	-- <sup>7</sup>	-- <sup>7</sup>	61	15%
60+	-- <sup>7</sup>	-- <sup>7</sup>	54	13%
<b>Total</b>	<b>46</b>	<b>100%</b>	<b>403</b>	<b>100%</b>

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

<sup>2</sup> Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>3</sup> Ninety-eight percent of people diagnosed with HIV infection from 2009–2011 who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, 1% were born in Guam and 1% were born in an unknown dependency.

<sup>4</sup> Other/Undetermined includes American Indian/Alaska Native individuals and persons of unspecified race/ethnicity

<sup>5</sup> Includes female sex with male of unknown HIV status or risk. This category is limited to females.

<sup>6</sup> Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

<sup>7</sup> Values less than five are suppressed for populations less than 50,000 or for unknown values. Additional values may be suppressed to prevent back calculation.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/13

**Table 19. People diagnosed with HIV infection from 2009–2011<sup>1</sup> and people living with HIV/AIDS on December 31, 2012 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Malden, Massachusetts<sup>2</sup>**

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	14	56%	174	65%
Female	11	44%	92	35%
Place of Birth:	N	%	N	%
US	11	44%	134	50%
Puerto Rico/US Dependency <sup>3</sup>	0	0%	7	3%
Non-US	14	56%	125	47%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	6	24%	96	36%
Black (non-Hispanic)	14	56%	131	49%
Hispanic/Latino	5	20%	28	11%
Asian/Pacific Islander	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
Other/Undetermined <sup>4</sup>	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	9	36%	103	39%
Injection Drug Use (IDU)	0	0%	22	8%
MSM/IDU	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
Heterosexual Sex	-- <sup>7</sup>	-- <sup>7</sup>	35	13%
Other	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
Total Undetermined	12	48%	97	36%
• Presumed Heterosexual Sex <sup>5</sup>	7	28%	42	16%
• Undetermined <sup>6</sup>	5	20%	55	21%
Age:	N	%	N	%
At Diagnosis			On December 31, 2012	
Under 13	0	0%	0	0%
13 to 19	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
20 to 24	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
25 to 29	-- <sup>7</sup>	-- <sup>7</sup>	6	2%
30 to 34	7	28%	17	6%
35 to 39	-- <sup>7</sup>	-- <sup>7</sup>	20	8%
40 to 44	-- <sup>7</sup>	-- <sup>7</sup>	31	12%
45 to 49	-- <sup>7</sup>	-- <sup>7</sup>	66	25%
50 to 54	-- <sup>7</sup>	-- <sup>7</sup>	52	20%
55 to 59	-- <sup>7</sup>	-- <sup>7</sup>	33	12%
60+	-- <sup>7</sup>	-- <sup>7</sup>	37	14%
<b>Total</b>	<b>25</b>	<b>100%</b>	<b>266</b>	<b>100%</b>

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

<sup>2</sup> Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>3</sup> Ninety-eight percent of people diagnosed with HIV infection from 2009–2011 who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, 1% were born in Guam and 1% were born in an unknown dependency.

<sup>4</sup> Other/Undetermined includes American Indian/Alaska Native individuals and persons of unspecified race/ethnicity

<sup>5</sup> Includes female sex with male of unknown HIV status or risk. This category is limited to females.

<sup>6</sup> Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

<sup>7</sup> Values less than five are suppressed for populations less than 50,000 or for unknown values. Additional values may be suppressed to prevent back calculation.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/13

**Table 20. People diagnosed with HIV infection from 2009–2011<sup>1</sup> and people living with HIV/AIDS on December 31, 2012 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: New Bedford, Massachusetts<sup>2</sup>**

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	27	75%	258	56%
Female	9	25%	206	44%
Place of Birth:	N	%	N	%
US	26	72%	346	75%
Puerto Rico/US Dependency <sup>3</sup>	-- <sup>7</sup>	-- <sup>7</sup>	63	14%
Non-US	-- <sup>7</sup>	-- <sup>7</sup>	55	12%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	18	50%	226	49%
Black (non-Hispanic)	10	28%	108	23%
Hispanic/Latino	7	19%	124	27%
Asian/Pacific Islander	-- <sup>7</sup>	-- <sup>7</sup>	0	0%
Other/Undetermined <sup>4</sup>	-- <sup>7</sup>	-- <sup>7</sup>	6	1%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	13	36%	70	15%
Injection Drug Use (IDU)	6	17%	190	41%
MSM/IDU	0	0%	9	2%
Heterosexual Sex	7	19%	119	26%
Other	0	0%	7	2%
Total Undetermined	10	28%	69	15%
• Presumed Heterosexual Sex <sup>5</sup>	-- <sup>7</sup>	-- <sup>7</sup>	28	6%
• Undetermined <sup>6</sup>	-- <sup>7</sup>	-- <sup>7</sup>	41	9%
Age:	N	%	N	%
At Diagnosis			On December 31, 2012	
Under 13	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
13 to 19	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
20 to 24	-- <sup>7</sup>	-- <sup>7</sup>	6	1%
25 to 29	-- <sup>7</sup>	-- <sup>7</sup>	11	2%
30 to 34	8	22%	12	3%
35 to 39	0	0%	32	7%
40 to 44	9	25%	48	10%
45 to 49	6	17%	89	19%
50 to 54	-- <sup>7</sup>	-- <sup>7</sup>	102	22%
55 to 59	-- <sup>7</sup>	-- <sup>7</sup>	91	20%
60+	-- <sup>7</sup>	-- <sup>7</sup>	72	16%
<b>Total</b>	<b>36</b>	<b>100%</b>	<b>464</b>	<b>100%</b>

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

<sup>2</sup> Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>3</sup> Ninety-eight percent of people diagnosed with HIV infection from 2009–2011 who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, 1% were born in Guam and 1% were born in an unknown dependency.

<sup>4</sup> Other/Undetermined includes American Indian/Alaska Native individuals and persons of unspecified race/ethnicity

<sup>5</sup> Includes female sex with male of unknown HIV status or risk. This category is limited to females.

<sup>6</sup> Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

<sup>7</sup> Values less than five are suppressed for populations less than 50,000 or for unknown values. Additional values may be suppressed to prevent back calculation.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/13

**Table 21. People diagnosed with HIV infection from 2009–2011<sup>1</sup> and people living with HIV/AIDS on December 31, 2012 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Provincetown, Massachusetts<sup>2</sup>**

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	-- <sup>7</sup>	-- <sup>7</sup>	300	97%
Female	-- <sup>7</sup>	-- <sup>7</sup>	9	3%
Place of Birth:	N	%	N	%
US	32	94%	275	89%
Puerto Rico/US Dependency <sup>3</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
Non-US	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	31	91%	278	90%
Black (non-Hispanic)	-- <sup>7</sup>	-- <sup>7</sup>	8	3%
Hispanic/Latino	-- <sup>7</sup>	-- <sup>7</sup>	20	6%
Asian/Pacific Islander	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
Other/Undetermined <sup>4</sup>	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	31	91%	277	90%
Injection Drug Use (IDU)	-- <sup>7</sup>	-- <sup>7</sup>	6	2%
MSM/IDU	-- <sup>7</sup>	-- <sup>7</sup>	13	4%
Heterosexual Sex	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
Other	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
Total Undetermined	-- <sup>7</sup>	-- <sup>7</sup>	10	3%
• Presumed Heterosexual Sex <sup>5</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
• Undetermined <sup>6</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
Age:	N	%	N	%
	At Diagnosis		On December 31, 2012	
Under 13	0	0%	0	0%
13 to 19	0	0%	0	0%
20 to 24	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
25 to 29	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
30 to 34	-- <sup>7</sup>	-- <sup>7</sup>	5	2%
35 to 39	-- <sup>7</sup>	-- <sup>7</sup>	13	4%
40 to 44	9	26%	27	9%
45 to 49	7	21%	67	22%
50 to 54	5	15%	76	25%
55 to 59	-- <sup>7</sup>	-- <sup>7</sup>	60	19%
60+	-- <sup>7</sup>	-- <sup>7</sup>	57	18%
<b>Total</b>	<b>34</b>	<b>100%</b>	<b>309</b>	<b>100%</b>

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

<sup>2</sup> Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>3</sup> Ninety-eight percent of people diagnosed with HIV infection from 2009–2011 who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, 1% were born in Guam and 1% were born in an unknown dependency.

<sup>4</sup> Other/Undetermined includes American Indian/Alaska Native individuals and persons of unspecified race/ethnicity

<sup>5</sup> Includes female sex with male of unknown HIV status or risk. This category is limited to females.

<sup>6</sup> Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

<sup>7</sup> Values less than five are suppressed for populations less than 50,000 or for unknown values. Additional values may be suppressed to prevent back calculation.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/13



**Table 22. People diagnosed with HIV infection from 2009–2011<sup>1</sup> and people living with HIV/AIDS on December 31, 2012 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Quincy, Massachusetts<sup>2</sup>**

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	-- <sup>7</sup>	-- <sup>7</sup>	176	78%
Female	-- <sup>7</sup>	-- <sup>7</sup>	49	22%
Place of Birth:	N	%	N	%
US	11	52%	166	74%
Puerto Rico/US Dependency <sup>3</sup>	0	0%	8	4%
Non-US	10	48%	51	23%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	10	48%	122	54%
Black (non-Hispanic)	6	29%	64	28%
Hispanic/Latino	-- <sup>7</sup>	-- <sup>7</sup>	27	12%
Asian/Pacific Islander	-- <sup>7</sup>	-- <sup>7</sup>	12	5%
Other/Undetermined <sup>4</sup>	0	0%	0	0%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	12	57%	94	42%
Injection Drug Use (IDU)	-- <sup>7</sup>	-- <sup>7</sup>	43	19%
MSM/IDU	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
Heterosexual Sex	-- <sup>7</sup>	-- <sup>7</sup>	32	14%
Other	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
Total Undetermined	6	29%	43	20%
• Presumed Heterosexual Sex <sup>5</sup>	-- <sup>7</sup>	-- <sup>7</sup>	8	4%
• Undetermined <sup>6</sup>	-- <sup>7</sup>	-- <sup>7</sup>	35	16%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2012	
Under 13	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
13 to 19	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
20 to 24	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
25 to 29	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
30 to 34	-- <sup>7</sup>	-- <sup>7</sup>	12	5%
35 to 39	-- <sup>7</sup>	-- <sup>7</sup>	15	7%
40 to 44	-- <sup>7</sup>	-- <sup>7</sup>	24	11%
45 to 49	-- <sup>7</sup>	-- <sup>7</sup>	57	25%
50 to 54	-- <sup>7</sup>	-- <sup>7</sup>	46	20%
55 to 59	-- <sup>7</sup>	-- <sup>7</sup>	34	15%
60+	-- <sup>7</sup>	-- <sup>7</sup>	30	13%
<b>Total</b>	<b>21</b>	<b>100%</b>	<b>225</b>	<b>100%</b>

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

<sup>2</sup> Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>3</sup> Ninety-eight percent of people diagnosed with HIV infection from 2009–2011 who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, 1% were born in Guam and 1% were born in an unknown dependency.

<sup>4</sup> Other/Undetermined includes American Indian/Alaska Native individuals and persons of unspecified race/ethnicity

<sup>5</sup> Includes female sex with male of unknown HIV status or risk. This category is limited to females.

<sup>6</sup> Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

<sup>7</sup> Values less than five are suppressed for populations less than 50,000 or for unknown values. Additional values may be suppressed to prevent back calculation.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/13



**Table 23. People diagnosed with HIV infection from 2009–2011<sup>1</sup> and people living with HIV/AIDS on December 31, 2012 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Somerville, Massachusetts<sup>2</sup>**

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	23	82%	243	74%
Female	5	18%	84	26%
Place of Birth:	N	%	N	%
US	12	43%	175	54%
Puerto Rico/US Dependency <sup>3</sup>	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
Non-US	16	57%	-- <sup>7</sup>	-- <sup>7</sup>
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	10	36%	165	50%
Black (non-Hispanic)	6	21%	101	31%
Hispanic/Latino	9	32%	52	16%
Asian/Pacific Islander	-- <sup>7</sup>	-- <sup>7</sup>	9	3%
Other/Undetermined <sup>4</sup>	-- <sup>7</sup>	-- <sup>7</sup>	0	0%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	14	50%	145	44%
Injection Drug Use (IDU)	-- <sup>7</sup>	-- <sup>7</sup>	28	9%
MSM/IDU	-- <sup>7</sup>	-- <sup>7</sup>	12	4%
Heterosexual Sex	-- <sup>7</sup>	-- <sup>7</sup>	28	9%
Other	-- <sup>7</sup>	-- <sup>7</sup>	11	3%
Total Undetermined	9	32%	103	31%
• Presumed Heterosexual Sex <sup>5</sup>	-- <sup>7</sup>	-- <sup>7</sup>	47	14%
• Undetermined <sup>6</sup>	-- <sup>7</sup>	-- <sup>7</sup>	56	17%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2012	
Under 13	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
13 to 19	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
20 to 24	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
25 to 29	6	21%	12	4%
30 to 34	-- <sup>7</sup>	-- <sup>7</sup>	23	7%
35 to 39	6	21%	29	9%
40 to 44	-- <sup>7</sup>	-- <sup>7</sup>	49	15%
45 to 49	-- <sup>7</sup>	-- <sup>7</sup>	60	18%
50 to 54	-- <sup>7</sup>	-- <sup>7</sup>	54	17%
55 to 59	-- <sup>7</sup>	-- <sup>7</sup>	40	12%
60+	0	0%	54	17%
<b>Total</b>	<b>28</b>	<b>100%</b>	<b>327</b>	<b>100%</b>

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

<sup>2</sup> Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>3</sup> Ninety-eight percent of people diagnosed with HIV infection from 2009–2011 who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, 1% were born in Guam and 1% were born in an unknown dependency.

<sup>4</sup> Other/Undetermined includes American Indian/Alaska Native individuals and persons of unspecified race/ethnicity

<sup>5</sup> Includes female sex with male of unknown HIV status or risk. This category is limited to females.

<sup>6</sup> Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

<sup>7</sup> Values less than five are suppressed for populations less than 50,000 or for unknown values. Additional values may be suppressed to prevent back calculation.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/13

**Table 24. People diagnosed with HIV infection from 2009–2011<sup>1</sup> and people living with HIV/AIDS on December 31, 2012 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Springfield, Massachusetts<sup>2</sup>**

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	65	68%	634	60%
Female	31	32%	416	40%
Place of Birth:	N	%	N	%
US	65	68%	706	67%
Puerto Rico/US Dependency <sup>3</sup>	18	19%	279	27%
Non-US	13	14%	65	6%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	15	16%	168	16%
Black (non-Hispanic)	29	30%	295	28%
Hispanic/Latino	49	51%	575	55%
Asian/Pacific Islander	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
Other/Undetermined <sup>4</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	30	31%	215	20%
Injection Drug Use (IDU)	17	18%	326	31%
MSM/IDU	-- <sup>7</sup>	-- <sup>7</sup>	35	3%
Heterosexual Sex	12	13%	192	18%
Other	-- <sup>7</sup>	-- <sup>7</sup>	30	3%
Total Undetermined	35	36%	252	24%
• Presumed Heterosexual Sex <sup>5</sup>	11	11%	106	10%
• Undetermined <sup>6</sup>	24	25%	146	14%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2012	
Under 13	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
13 to 19	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
20 to 24	7	7%	25	2%
25 to 29	7	7%	35	3%
30 to 34	11	11%	53	5%
35 to 39	17	18%	71	7%
40 to 44	9	9%	133	13%
45 to 49	19	20%	202	19%
50 to 54	10	10%	228	22%
55 to 59	6	6%	138	13%
60+	6	6%	157	15%
<b>Total</b>	<b>96</b>	<b>100%</b>	<b>1,050</b>	<b>100%</b>

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

<sup>2</sup> Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>3</sup> Ninety-eight percent of people diagnosed with HIV infection from 2009–2011 who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, 1% were born in Guam and 1% were born in an unknown dependency.

<sup>4</sup> Other/Undetermined includes American Indian/Alaska Native individuals and persons of unspecified race/ethnicity

<sup>5</sup> Includes female sex with male of unknown HIV status or risk. This category is limited to females.

<sup>6</sup> Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

<sup>7</sup> Values less than five are suppressed for populations less than 50,000 or for unknown values. Additional values may be suppressed to prevent back calculation.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/13

**Table 25. People diagnosed with HIV infection from 2009–2011<sup>1</sup> and people living with HIV/AIDS on December 31, 2012 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Waltham, Massachusetts<sup>2</sup>**

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	25	69%	129	57%
Female	11	31%	96	43%
Place of Birth:	N	%	N	%
US	16	44%	-- <sup>7</sup>	-- <sup>7</sup>
Puerto Rico/US Dependency <sup>3</sup>	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
Non-US	20	56%	149	66%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	12	33%	49	22%
Black (non-Hispanic)	16	44%	146	65%
Hispanic/Latino	5	14%	22	10%
Asian/Pacific Islander	-- <sup>7</sup>	-- <sup>7</sup>	8	4%
Other/Undetermined <sup>4</sup>	-- <sup>7</sup>	-- <sup>7</sup>	0	0%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	14	39%	51	23%
Injection Drug Use (IDU)	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
MSM/IDU	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
Heterosexual Sex	6	17%	58	26%
Other	-- <sup>7</sup>	-- <sup>7</sup>	5	2%
Total Undetermined	15	42%	105	47%
• Presumed Heterosexual Sex <sup>5</sup>	-- <sup>7</sup>	-- <sup>7</sup>	39	17%
• Undetermined <sup>6</sup>	-- <sup>7</sup>	-- <sup>7</sup>	66	29%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2012	
Under 13	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
13 to 19	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
20 to 24	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
25 to 29	5	14%	8	4%
30 to 34	6	17%	17	8%
35 to 39	6	17%	21	9%
40 to 44	6	17%	37	16%
45 to 49	6	17%	44	20%
50 to 54	-- <sup>7</sup>	-- <sup>7</sup>	39	17%
55 to 59	-- <sup>7</sup>	-- <sup>7</sup>	26	12%
60+	-- <sup>7</sup>	-- <sup>7</sup>	26	12%
<b>Total</b>	<b>36</b>	<b>100%</b>	<b>225</b>	<b>100%</b>

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

<sup>2</sup> Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>3</sup> Ninety-eight percent of people diagnosed with HIV infection from 2009–2011 who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, 1% were born in Guam and 1% were born in an unknown dependency.

<sup>4</sup> Other/Undetermined includes American Indian/Alaska Native individuals and persons of unspecified race/ethnicity

<sup>5</sup> Includes female sex with male of unknown HIV status or risk. This category is limited to females.

<sup>6</sup> Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

<sup>7</sup> Values less than five are suppressed for populations less than 50,000 or for unknown values. Additional values may be suppressed to prevent back calculation.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/13

**Table 26. People diagnosed with HIV infection from 2009–2011<sup>1</sup> and people living with HIV/AIDS on December 31, 2012 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: City of Worcester, Massachusetts<sup>2</sup>**

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	56	64%	531	57%
Female	31	36%	399	43%
Place of Birth:	N	%	N	%
US	37	43%	494	53%
Puerto Rico/US Dependency <sup>3</sup>	11	13%	202	22%
Non-US	39	45%	234	25%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	20	23%	286	31%
Black (non-Hispanic)	41	47%	289	31%
Hispanic/Latino	23	26%	336	36%
Asian/Pacific Islander	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
Other/Undetermined <sup>4</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	20	23%	175	19%
Injection Drug Use (IDU)	8	9%	281	30%
MSM/IDU	-- <sup>7</sup>	-- <sup>7</sup>	35	4%
Heterosexual Sex	16	18%	192	21%
Other	-- <sup>7</sup>	-- <sup>7</sup>	19	2%
Total Undetermined	39	45%	228	25%
• Presumed Heterosexual Sex <sup>5</sup>	13	15%	115	12%
• Undetermined <sup>6</sup>	26	30%	113	12%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2012	
Under 13	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
13 to 19	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
20 to 24	10	11%	17	2%
25 to 29	7	8%	28	3%
30 to 34	5	6%	41	4%
35 to 39	16	18%	64	7%
40 to 44	14	16%	114	12%
45 to 49	14	16%	168	18%
50 to 54	10	11%	210	23%
55 to 59	-- <sup>7</sup>	-- <sup>7</sup>	148	16%
60+	6	7%	137	15%
<b>Total</b>	<b>87</b>	<b>100%</b>	<b>930</b>	<b>100%</b>

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

<sup>2</sup> Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>3</sup> Ninety-eight percent of people diagnosed with HIV infection from 2009–2011 who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, 1% were born in Guam and 1% were born in an unknown dependency.

<sup>4</sup> Other/Undetermined includes American Indian/Alaska Native individuals and persons of unspecified race/ethnicity

<sup>5</sup> Includes female sex with male of unknown HIV status or risk. This category is limited to females.

<sup>6</sup> Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

<sup>7</sup> Values less than five are suppressed for populations less than 50,000 or for unknown values. Additional values may be suppressed to prevent back calculation.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/13