

## Detailed Data Tables: People Born Outside the US

### 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 Disease, 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, 2015, this resulted in the removal of 4,401 HIV/AIDS cases, of which 1,021 have died and 3,380 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. 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 risk category for men; those cases have been reassigned to the no identified risk (NIR) category. The presumed heterosexual risk category was used with the intention of identifying HIV risk for women when sex with men 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. The application of the presumed heterosexual risk category to men is overly inclusive in that woman to man HIV transmission is biologically less probable, and there are alternate risks that are possible for men, including sex with other men (MSM) or IDU. The CDC reports men diagnosed with HIV/AIDS who report sex with women as their only risk factor, without corresponding partner risk or HIV status information, in the NIR category. This revision to report presumed heterosexual male HIV/AIDS cases as NIR will bring Massachusetts HIV/AIDS case reporting for men in alignment with CDC standards. The MDPH will maintain presumed heterosexual and heterosexual risk categories for women.

**Table 1. People diagnosed with HIV infection by place of birth and year of diagnosis: Massachusetts<sup>1</sup>, 2004–2013<sup>2</sup>**

	US		Puerto Rico/ US Dependency <sup>3</sup>		Non-US		Total
	N	%	N	%	N	%	
2004	552	60%	100	11%	270	29%	<b>922</b>
2005	544	60%	83	9%	275	30%	<b>902</b>
2006	509	62%	60	7%	256	31%	<b>825</b>
2007	461	62%	57	8%	229	31%	<b>747</b>
2008	447	60%	68	9%	227	31%	<b>742</b>
2009	444	63%	52	7%	210	30%	<b>706</b>
2010	437	63%	43	6%	218	31%	<b>698</b>
2011	419	60%	42	6%	236	34%	<b>697</b>
2012	394	56%	65	9%	250	35%	<b>709</b>
2013	428	61%	42	6%	228	33%	<b>698</b>

<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 10 year period after the implementation of HIV infection reporting in 1999.

<sup>3</sup> Ninety-eight percent of people living with HIV/AIDS in MA who were born in a US dependency were born in Puerto Rico, 2% were born in US minor outlying areas, <1% were born in the US Virgin Islands, and <1% were born in Guam.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 1/1/15

**Table 2. Men diagnosed with HIV infection by place of birth and year of diagnosis: Massachusetts<sup>1</sup>, 2004–2013<sup>2</sup>**

	US		Puerto Rico/ US Dependency <sup>3</sup>		Non-US		Total
	N	%	N	%	N	%	
2004	441	68%	63	10%	142	22%	<b>646</b>
2005	434	66%	59	9%	165	25%	<b>658</b>
2006	395	67%	41	7%	156	26%	<b>592</b>
2007	360	67%	38	7%	137	26%	<b>535</b>
2008	368	68%	42	8%	131	24%	<b>541</b>
2009	372	69%	35	6%	135	25%	<b>542</b>
2010	359	72%	33	7%	109	22%	<b>501</b>
2011	325	65%	32	6%	142	28%	<b>499</b>
2012	320	61%	48	9%	153	29%	<b>521</b>
2013	356	67%	30	6%	147	28%	<b>533</b>

<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 10 year period after the implementation of HIV infection reporting in 1999.

<sup>3</sup> Ninety-eight percent of people living with HIV/AIDS in MA who were born in a US dependency were born in Puerto Rico, 2% were born in US minor outlying areas, <1% were born in the US Virgin Islands, and <1% were born in Guam.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 1/1/15

**Table 3. Women diagnosed with HIV infection by place of birth and year of diagnosis: Massachusetts<sup>1</sup> 2004–2013<sup>2</sup>**

	US		Puerto Rico/ US Dependency <sup>3</sup>		Non-US		Total
	N	%	N	%	N	%	
2004	111	40%	37	13%	128	46%	<b>276</b>
2005	110	45%	24	10%	110	45%	<b>244</b>
2006	114	49%	19	8%	100	43%	<b>233</b>
2007	101	48%	19	9%	92	43%	<b>212</b>
2008	79	39%	26	13%	96	48%	<b>201</b>
2009	72	44%	17	10%	75	46%	<b>164</b>
2010	78	40%	10	5%	109	55%	<b>197</b>
2011	94	47%	10	5%	94	47%	<b>198</b>
2012	74	39%	17	9%	97	52%	<b>188</b>
2013	72	44%	12	7%	81	49%	<b>165</b>

<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 10 year period after the implementation of HIV infection reporting in 1999.

<sup>3</sup> Ninety-eight percent of people living with HIV/AIDS in MA who were born in a US dependency were born in Puerto Rico, 2% were born in US minor outlying areas, <1% were born in the US Virgin Islands, and <1% were born in Guam.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 1/1/15

**Table 4. People living with HIV/AIDS on December 31, 2014 by place of birth: Massachusetts<sup>1</sup>**

Place of Birth:	HIV/AIDS	
	N	%
US	12,808	65%
Puerto Rico/US dependency <sup>2</sup>	1,992	10%
Non-US	4,937	25%
<b>Total<sup>3</sup></b>	<b>19,737</b>	<b>100%</b>

<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> Ninety-eight percent of people living with HIV/AIDS 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 2% were born in an unknown dependency.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/15

**Table 5. Non-US born people diagnosed with HIV infection by race/ethnicity and region of birth: Massachusetts<sup>1</sup>, 2011–2013<sup>2</sup>**

Region of Birth:	White NH		Black NH		Hispanic/Latino	
	N	%	N	%	N	%
Caribbean Basin	-- <sup>3</sup>	-- <sup>3</sup>	136	37%	67	30%
Central & South America	21	30%	-- <sup>3</sup>	-- <sup>3</sup>	146	66%
Central & South Asia	-- <sup>3</sup>	-- <sup>3</sup>	0	0%	-- <sup>3</sup>	-- <sup>3</sup>
North Africa & Middle East	5	7%	0	0%	0	0%
North America & Europe	31	44%	-- <sup>3</sup>	-- <sup>3</sup>	-- <sup>3</sup>	-- <sup>3</sup>
Pacific Rim	0	0%	0	0%	0	0%
Southeast Asia	0	0%	0	0%	0	0%
sub-Saharan Africa	0	0%	213	58%	-- <sup>3</sup>	-- <sup>3</sup>
Unspecified	12	17%	11	3%	-- <sup>3</sup>	-- <sup>3</sup>
<b>Total</b>	<b>71</b>	<b>100%</b>	<b>365</b>	<b>100%</b>	<b>222</b>	<b>100%</b>

<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.

<sup>3</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 1/1/15

**Table 6. Non-US born people diagnosed with HIV infection by gender and region of birth: Massachusetts<sup>1</sup>, 2011–2013<sup>2</sup>**

Region of Birth:	Men		Women		State Total	
	N	%	N	%	N	%
Caribbean Basin	105	24%	100	37%	205	29%
Central & South America	150	34%	21	8%	171	24%
Central & South Asia	25	6%	-- <sup>3</sup>	-- <sup>3</sup>	27	4%
North Africa & Middle East	5	1%	0	0%	5	1%
North America & Europe	34	8%	-- <sup>3</sup>	-- <sup>3</sup>	37	5%
Pacific Rim	4	1%	-- <sup>3</sup>	-- <sup>3</sup>	5	1%
Southeast Asia	15	3%	5	2%	20	3%
sub-Saharan Africa	88	20%	131	48%	219	31%
Unspecified	16	4%	9	3%	25	4%
<b>Total</b>	<b>442</b>	<b>100%</b>	<b>272</b>	<b>100%</b>	<b>714</b>	<b>100%</b>

<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.

<sup>3</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 1/1/15

**Table 7. Non-US born people living with HIV/AIDS on December 31, 2014 by gender and region of birth: Massachusetts<sup>1</sup>**

Region of Birth:	Men		Women		State Total	
	N	%	N	%	N	%
Caribbean Basin	858	29%	730	36%	1,588	32%
Central & South America	897	31%	213	11%	1,110	22%
Central & South Asia	80	3%	11	1%	91	2%
North Africa & Middle East	29	1%	-- <sup>3</sup>	-- <sup>3</sup>	33	1%
North America & Europe	248	9%	47	2%	295	6%
Pacific Rim	15	1%	-- <sup>3</sup>	-- <sup>3</sup>	19	0%
Southeast Asia	130	4%	48	2%	178	4%
sub-Saharan Africa	596	20%	927	46%	1,523	31%
Unspecified	63	2%	37	2%	100	2%
<b>Total<sup>3</sup></b>	<b>2,916</b>	<b>100%</b>	<b>2,021</b>	<b>100%</b>	<b>4,937</b>	<b>100%</b>

<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> 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 1/1/15

**Table 8. Non-US born people diagnosed with HIV infection by leading countries of birth: Massachusetts<sup>1</sup>, 2011–2013<sup>2</sup>**

Rank	Country of Birth	Number of HIV Dx <sup>3</sup> among Non-US	% of Total HIV Diagnoses among Non-US
1	Haiti	111	15.5%
2	Dominican Republic	61	8.5%
3	Brazil	59	8.3%
4	Uganda	42	5.9%
5	Cape Verde	38	5.3%
6	Guatemala	22	3.1%
7	Kenya	22	3.1%
8	Honduras	21	2.9%
9	Colombia	20	2.8%
10	Jamaica	20	2.8%
11	Nigeria	20	2.8%
12	El Salvador	20	2.8%

<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.

<sup>3</sup>HIV Dx = HIV diagnoses

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/15

**Table 9. People diagnosed with HIV infection, place of birth by gender, race/ethnicity and reported risk: Massachusetts,<sup>1</sup> 2011–2013<sup>2</sup>**

	US Born		Puerto Rico/ US dependency <sup>3</sup>		Non-US Born	
	N	%	N	%	N	%
<b>By Gender:</b>						
Men	1,001	81%	110	74%	442	62%
Women	240	19%	39	26%	272	38%
<b>By Race/Ethnicity:</b>						
White (non-Hispanic)	705	57%	-- <sup>7</sup>	-- <sup>7</sup>	71	10%
Black (non-Hispanic)	294	24%	-- <sup>7</sup>	-- <sup>7</sup>	365	51%
Hispanic	204	16%	147	99%	222	31%
Asian/Pacific Islander	14	1%	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
Other/Unknown	24	2%	0	0%	-- <sup>7</sup>	-- <sup>7</sup>
<b>By Reported risk:</b>						
Male Sex with Male (MSM)	672	54%	41	28%	204	29%
Injection Drug Use (IDU)	107	9%	41	28%	6	1%
MSM/IDU	46	4%	5	3%	5	1%
Total Heterosexual Sex (HTSX)	80	6%	23	15%	97	14%
• HTSX w/ an injection drug user	19	2%	7	5%	5	1%
• HTSX w/ bisexual men (women only)	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
• Other HTSX <sup>4</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>	-- <sup>7</sup>
• HTSX w/ a person w/ HIV or AIDS	58	5%	15	10%	90	13%
Blood/Blood products	0	0%	0	0%	0	0%
Pediatric	5	<1%	0	0%	5	1%
Total Undetermined	331	27%	39	26%	397	56%
• Presumed HTSX <sup>5</sup>	89	7%	12	8%	174	24%
• Undetermined <sup>6</sup>	242	20%	27	18%	223	31%
<b>Total</b>	<b>1,241</b>	<b>100%</b>	<b>149</b>	<b>100%</b>	<b>714</b>	<b>100%</b>

<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.

<sup>3</sup> Ninety-nine percent of people diagnosed with HIV infection from 2011–2013 who were born in a US dependency were born in Puerto Rico, <1% were born in the US Virgin Islands and <1% were born in Guam.

<sup>4</sup> Includes heterosexual sex with a person who received blood/blood products.

<sup>5</sup> Includes woman sex with man of unknown HIV status or risk. This category is limited to women.

<sup>6</sup> Includes man sex with woman 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 1/1/15

*Note: The category of “presumed heterosexual” is used in Massachusetts to re-assign women who are reported with a risk of heterosexual sex, but only with a partner of unknown HIV status or behavioral risk. Massachusetts uses the category of presumed heterosexual to distinguish these women from other undetermined cases about which we know less. Prior to January 1, 2011, the presumed heterosexual category was also used to report HIV data in men. The rationale for the application of the presumed heterosexual reported risk category to women only has been addressed in the MDPH OHA report “Intersecting Risks: HIV Infection among Heterosexual Women and Men in Massachusetts.” (2010)*

*[http://www.mass.gov/Eeohhs2/docs/dph/aids/intersecting\\_risks.pdf](http://www.mass.gov/Eeohhs2/docs/dph/aids/intersecting_risks.pdf). Nationally, the Centers for Disease Control and Prevention categorize “presumed heterosexual” cases as “no identified risk” (NIR). As such, comparisons of the presumed heterosexual category cannot be made to national data. Caution should be used in interpreting data for presumed heterosexual, as it is still not clear what the risk was for women in this category. Although a person may not report other risk behaviors, such as injection drug use to a health care provider, it does not exclude the possibility that an individual has experienced these other risks. There are many barriers to disclosing HIV risk behaviors in the health care setting such as a limited patient-provider relationship or stigma.*

**Table 10. People living with HIV/AIDS on December 31, 2014, place of birth by gender, race/ethnicity, and reported risk: Massachusetts<sup>1</sup>**

	US born		Puerto Rico/ US dependency <sup>2</sup>		Non-US born	
By Gender:	N	%	N	%	N	%
Men	9,866	77%	1,316	66%	2,916	59%
Women	2,942	23%	676	34%	2,021	41%
By Race/Ethnicity:	N	%	N	%	N	%
White (non-Hispanic)	7,914	62%	11	1%	543	11%
Black (non-Hispanic)	3,125	24%	15	1%	2,754	56%
Hispanic	1,568	12%	1,966	99%	1,333	27%
Asian/Pacific Islander	79	1%	0	0%	279	6%
Other/Unknown	122	1%	0	0%	28	1%
By Reported risk:	N	%	N	%	N	%
Male Sex with Male (MSM)	6,096	48%	232	12%	1,122	23%
Injection Drug Use (IDU)	2,545	20%	923	46%	165	3%
MSM/IDU	563	4%	68	3%	46	1%
Total Heterosexual Sex (HTSX)	1,285	10%	417	21%	1,066	22%
• HTSX w/ an injection drug user	572	4%	212	11%	106	2%
• HTSX w/ bisexual men (women only)	33	<1%	-- <sup>6</sup>	-- <sup>6</sup>	8	<1%
• HTSX w/ a person w/ HIV or AIDS	28	<1%	4	<1%	15	<1%
• Other HTSX <sup>3</sup>	652	5%	200	10%	937	19%
Blood/Blood products	53	<1%	-- <sup>6</sup>	-- <sup>6</sup>	11	<1%
Pediatric	277	2%	19	1%	44	1%
Occupational	-- <sup>6</sup>	-- <sup>6</sup>	-- <sup>6</sup>	-- <sup>6</sup>	0	0%
Total Undetermined	-- <sup>6</sup>	-- <sup>6</sup>	0	0%	0	0%
• Presumed HTSX <sup>4</sup>	612	5%	132	7%	1,069	22%
• Undetermined <sup>5</sup>	1,376	11%	200	10%	1,414	29%
<b>Total<sup>7</sup></b>	<b>12,808</b>	<b>100%</b>	<b>1,992</b>	<b>100%</b>	<b>4,937</b>	<b>100%</b>

<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> Ninety-six percent of people living with HIV/AIDS who were born in a US dependency were born in Puerto Rico, <1% were born in the US Virgin Islands, and 3% were born in an unknown dependency.

<sup>3</sup> Includes heterosexual sex with a person who received blood/blood products.

<sup>4</sup> Includes woman sex with man of unknown HIV status or risk. This category is limited to women.

<sup>5</sup> Includes man sex with woman 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>6</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 1/1/15

**Table 11. Non-US born people diagnosed with HIV infection, gender by reported risk and race/ethnicity: Massachusetts,<sup>1</sup> 2011–2013<sup>2</sup>**

Reported Risk:	Men		Women	
	N	%	N	%
Male Sex with Male (MSM)	204	46%	N/A <sup>3</sup>	N/A
Injection Drug Use (IDU)	-- <sup>6</sup>	-- <sup>6</sup>	-- <sup>6</sup>	-- <sup>6</sup>
MSM/IDU	5	1%	N/A	N/A
Heterosexual Sex (HTSX)	32	7%	65	24%
Blood/Blood products	-- <sup>6</sup>	-- <sup>6</sup>	-- <sup>6</sup>	-- <sup>6</sup>
Pediatric	-- <sup>6</sup>	-- <sup>6</sup>	-- <sup>6</sup>	-- <sup>6</sup>
Total Undetermined	195	44%	202	74%
• Presumed HTSX <sup>4</sup>	N/A	N/A	174	64%
• Undetermined <sup>5</sup>	195	44%	28	10%
<b>Race/Ethnicity</b>	<b>N</b>	<b>%</b>	<b>N</b>	<b>%</b>
White (non-Hispanic)	65	15%	-- <sup>6</sup>	-- <sup>6</sup>
Black (non-Hispanic)	165	37%	200	74%
Hispanic	167	38%	55	20%
Asian/Pacific Islander	-- <sup>6</sup>	-- <sup>6</sup>	9	3%
Other/Unknown	-- <sup>6</sup>	-- <sup>6</sup>	-- <sup>6</sup>	-- <sup>6</sup>
<b>Total</b>	<b>442</b>	<b>100%</b>	<b>272</b>	<b>100%</b>

<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.

<sup>3</sup> N/A = Not Applicable

<sup>4</sup> Includes woman sex with man of unknown HIV status or risk. This category is limited to women.

<sup>5</sup> Includes man sex with woman 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>6</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 1/1/15

**Table 12. Non-US born people living with HIV/AIDS on December 31, 2014, gender by reported risk and race/ethnicity: Massachusetts<sup>1</sup>**

Reported Risk:	Men		Women	
	N	%	N	%
Male Sex with Male (MSM)	1,122	38%	N/A <sup>2</sup>	N/A
Injection Drug Use (IDU)	113	4%	52	3%
MSM/IDU	46	2%	N/A	N/A
Heterosexual Sex (HTSX)	348	12%	718	36%
Other	28	1%	27	1%
Total Undetermined	1,259	43%	1,224	61%
• Presumed HTSX <sup>3</sup>	N/A	N/A	1,069	53%
• Undetermined <sup>4</sup>	1,259	43%	155	8%
<b>Race/Ethnicity</b>				
White (non-Hispanic)	461	16%	82	4%
Black (non-Hispanic)	1,232	42%	1,522	75%
Hispanic	994	34%	339	17%
Asian/Pacific Islander	215	7%	64	3%
Other/Unknown	14	<1%	14	1%
<b>Total<sup>5</sup></b>	<b>2,916</b>	<b>100%</b>	<b>2,021</b>	<b>100%</b>
<p><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.</p> <p><sup>2</sup> N/A = Not Applicable</p> <p><sup>3</sup> Includes woman sex with man of unknown HIV status or risk. This category is limited to women.</p> <p><sup>4</sup> Includes man sex with woman 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.</p> <p>Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/15</p>				

**Table 13. Men diagnosed with HIV infection, place of birth by and reported risk: Massachusetts,<sup>1</sup> 2011–2013<sup>2</sup>**

By Reported risk:	US Born		Puerto Rico/ US dependency <sup>3</sup>		Non-US Born	
	N	%	N	%	N	%
Male Sex with Male (MSM)	672	67%	41	37%	204	46%
Injection Drug Use (IDU)	59	6%	32	29%	-- <sup>5</sup>	-- <sup>5</sup>
MSM/IDU	46	5%	-- <sup>5</sup>	-- <sup>5</sup>	5	1%
Heterosexual Sex (HTSX)	-- <sup>5</sup>	-- <sup>5</sup>	10	9%	32	7%
Other	-- <sup>5</sup>	-- <sup>5</sup>	-- <sup>5</sup>	-- <sup>5</sup>	-- <sup>5</sup>	-- <sup>5</sup>
Undetermined <sup>4</sup>	190	19%	22	20%	195	44%
<b>Total</b>	<b>1,001</b>	<b>100%</b>	<b>110</b>	<b>100%</b>	<b>442</b>	<b>100%</b>

<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.

<sup>3</sup> Ninety-nine percent of people diagnosed with HIV infection from 2011–2013 who were born in a US dependency were born in Puerto Rico, <1% were born in the US Virgin Islands and <1% were born in Guam.

<sup>4</sup> Includes man sex with woman 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>5</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 1/1/15

**Table 14. Women diagnosed with HIV infection, place of birth by and reported risk: Massachusetts,<sup>1</sup> 2011–2013<sup>2</sup>**

	US Born		Puerto Rico/ US dependency <sup>3</sup>		Non-US Born	
	N	%	N	%	N	%
<b>By Reported risk:</b>						
Injection Drug Use (IDU)	-- <sup>5</sup>	-- <sup>5</sup>	9	23%	-- <sup>5</sup>	-- <sup>5</sup>
Heterosexual Sex (HTSX)	50	21%	13	33%	65	24%
Other	-- <sup>6</sup>	-- <sup>6</sup>	-- <sup>5</sup>	-- <sup>5</sup>	-- <sup>5</sup>	-- <sup>5</sup>
<b>Total Undetermined</b>	<b>141</b>	<b>59%</b>	<b>--<sup>5</sup></b>	<b>--<sup>5</sup></b>	<b>202</b>	<b>74%</b>
• Presumed HTSX <sup>4</sup>	89	37%	12	31%	174	64%
• Undetermined <sup>5</sup>	52	22%	-- <sup>5</sup>	-- <sup>5</sup>	28	10%
<b>Total</b>	<b>240</b>	<b>100%</b>	<b>39</b>	<b>100%</b>	<b>272</b>	<b>100%</b>

<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.

<sup>3</sup> Ninety-nine percent of people diagnosed with HIV infection from 2011–2013 who were born in a US dependency were born in Puerto Rico, <1% were born in the US Virgin Islands and <1% were born in Guam.

<sup>4</sup> Includes woman sex with man of unknown HIV status or risk. This category is limited to women.

<sup>5</sup> Includes man sex with woman 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>6</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 1/1/15

**Table 15. People diagnosed with HIV infection by Health Service Region (HSR)<sup>1</sup> of residence at diagnosis and place of birth: Massachusetts<sup>2</sup>, 2011–2013<sup>3</sup>**

HSR	US		Puerto Rico/ US dependency <sup>4</sup>		Non-US		Total
	N	%	N	%	N	%	N
Boston HSR	374	59%	30	5%	229	36%	<b>633</b>
Central HSR	87	53%	19	12%	59	36%	<b>165</b>
Metro West HSR	-- <sup>6</sup>	-- <sup>6</sup>	-- <sup>6</sup>	-- <sup>6</sup>	141	44%	<b>323</b>
Northeast HSR	213	54%	28	7%	151	39%	<b>392</b>
Southeast HSR	192	62%	21	7%	96	31%	<b>309</b>
Western HSR	171	71%	43	18%	27	11%	<b>241</b>
Prison <sup>5</sup>	21	60%	6	17%	8	23%	<b>35</b>
<b>MA Total</b>	<b>1,241</b>	<b>59%</b>	<b>149</b>	<b>7%</b>	<b>714</b>	<b>34%</b>	<b>2,104</b>

<sup>1</sup> Reflects the health service region of a person's residence at the time of report (not necessarily current residence); see Epidemiologic Profile General Appendices, Health Service Region Maps, available at [http://www.mass.gov/dph/aids/research/profile2006/app5\\_hrs\\_maps.pdf](http://www.mass.gov/dph/aids/research/profile2006/app5_hrs_maps.pdf) for configuration of health service regions.

<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.

<sup>4</sup> Ninety-eight percent of people diagnosed with HIV infection from 2011–2013 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>5</sup> HSRs are regions defined geographically to facilitate targeted health service planning. While prisons do not constitute an HSR, the prison population is presented separately in this analysis because of its unique service planning needs. Prison includes only persons who were diagnosed with HIV/AIDS while in a correctional facility

<sup>5</sup> HSRs are regions defined geographically to facilitate targeted health service planning. While prisons do not constitute an HSR, the prison population is presented separately in this analysis because of its unique service planning needs. Prison includes only persons who were diagnosed with HIV/AIDS while in a correctional facility

<sup>6</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 1/1/15

**Table 16. People living with HIV/AIDS on December 31, 2014 by Health Service Region (HSR)<sup>1</sup> of residence at diagnosis and place of birth: Massachusetts<sup>2</sup>**

HSR	US		Puerto Rico/ US dependency <sup>3</sup>		Non-US		Total
	N	%	N	%	N	%	N
Boston HSR	4,122	66%	375	6%	1,739	28%	6,236
Central HSR	997	60%	287	17%	370	22%	1,654
Metro West HSR	1,766	61%	77	3%	1,068	37%	2,911
Northeast HSR	1,760	56%	381	12%	1,006	32%	3,147
Southeast HSR	2,012	74%	161	6%	550	20%	2,723
Western HSR	1,500	70%	507	24%	136	6%	2,143
Prison <sup>4</sup>	641	71%	204	22%	63	7%	908
<b>MA Total</b>	<b>12,808</b>	<b>65%</b>	<b>1,992</b>	<b>10%</b>	<b>4,937</b>	<b>25%</b>	<b>19,737</b>

<sup>1</sup> Reflects the health service region of a person's residence at the time of report (not necessarily current residence); see Epidemiologic Profile General Appendices, Health Service Region Maps, available at [http://www.mass.gov/dph/aids/research/profile2006/app5\\_hrs\\_maps.pdf](http://www.mass.gov/dph/aids/research/profile2006/app5_hrs_maps.pdf) for configuration of health service regions

<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-four percent of people living with HIV/AIDS who were born in a US dependency were born in Puerto Rico, <1% were born in the US Virgin Islands, and 6% were born in an unknown dependency

<sup>4</sup> HSRs are regions defined geographically to facilitate targeted health service planning. While prisons do not constitute an HSR, the prison population is presented separately in this analysis because of its unique service planning needs. Prison includes only persons who were diagnosed with HIV/AIDS while in a correctional facility

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/15

**Table 17. Ten cities/towns<sup>1</sup> in Massachusetts<sup>2</sup> with the highest proportion of HIV infection diagnoses among people born outside the US: 2011–2013<sup>3</sup>**

Rank	City/Town	Number of HIV Dx among Non-US Born	Total Number of HIV Dx	Percent of Total HIV Dx
1	Brockton	57	84	68%
2	Waltham	20	30	67%
3	Malden	21	33	64%
4	Everett	15	24	63%
5	Chelsea	23	37	62%
6	Medford	12	21	57%
7	Cambridge	20	38	53%
8	Lynn	26	51	51%
9	Somerville	18	37	49%
10	Framingham	11	23	48%

<sup>1</sup> Among cities/towns with at least 20 reported HIV infection diagnoses in the years 2011–2013. Note: reflects the city/town of a person's residence at the time of report (not necessarily current residence). People diagnosed while at a correctional facility are not included.

<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 (percentages may not add up to 100% due to rounding); data as of 1/1/15

<b>Table 18. World region of birth by countries of birth with at least 10 people living with HIV/AIDS on December 31, 2014: Massachusetts<sup>1</sup></b>	
<b>World Region of Birth</b>	<b>Countries of Birth with <math>\geq</math> 10 People Living with HIV/AIDS in Massachusetts</b>
Caribbean Basin	Barbados, Cuba, Dominican Republic, Haiti, Jamaica, Trinidad & Tobago
Central & South America	Argentina, Brazil, Chile, Columbia, El Salvador, Guatemala, Honduras, Mexico, Peru, Venezuela
Central & South Asia	China, India
North Africa & Middle East	Lebanon
North America & Europe	Canada, France, Germany, Greece, Ireland, Italy, Portugal, Russia, Spain, United Kingdom
Pacific Rim	Philippines
Southeast Asia	Cambodia, Myanmar, Vietnam, Thailand
sub-Saharan Africa	Angola, Cameroon, Cape Verde, Congo, Cote d'Ivoire, Ethiopia, Ghana, Guinea, Kenya, Liberia, Malawi, Nigeria, Rwanda, Somalia, South Africa, Tanzania, Uganda, Zambia, Zimbabwe
<sup>1</sup> Effective January 1, 2011, the Massachusetts Department of Public Health, Office of 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 diagnosed and reported in Massachusetts. Data Source: MDPH HIV/AIDS Surveillance Program; data as of 1/1/15	