

Detailed Data Tables: Injection Drug Users

Table 1. People living with HIV/AIDS on December 31, 2009 by exposure mode: Massachusetts		
Exposure Mode:	N	%
Male-to-male sex (MSM)	6,316	35%
Injection Drug Use (IDU)	4,285	24%
MSM/IDU	608	3%
Receipt of Blood/Blood products	99	1%
Pediatric	334	2%
• Pediatric IDU-related ¹	113	1%
• Pediatric Non IDU-related and unknown risk	221	1%
Total Heterosexual Sex (HTSX)	2,478	14%
• HTSX w/ an Injection Drug User	954	5%
• HTSX w/ Bisexual male	48	<1%
• HTSX w/ Blood/Blood products ²	26	<1%
• HTSX w/ a person w/ HIV or AIDS	1,450	8%
Total Undetermined/Other	3,925	22%
• Presumed Heterosexual Sex ³	2,815	16%
• Undetermined/Other ⁴	1,110	6%
TOTAL	18,045	100%

¹ Includes children born to mothers with a primary reported risk of injection drug use or heterosexual sex with an injection drug user
² Heterosexual sex with a person who received blood/blood products
³ Heterosexual sex with a partner of unknown HIV status or risk
⁴ Includes those still being followed up for risk information, those who have died with no determined risk, those lost to follow-up, and confirmed occupational exposure
 Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/10

Note: The category of “presumed heterosexual sex” is used in Massachusetts to re-assign people who are reported with no identified risk but who are known to have not reported any other risks except heterosexual sex with a partner of unknown HIV status or risk. Massachusetts uses this category to distinguish these cases from other undetermined cases about which we know less. Nationally, the Centers for Disease Control and Prevention categorizes “presumed heterosexual sex” 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 exposure risk is for people in this category. Although a person may not report other risk behaviors such as injection drug use or male-to-male sex to his/her health care provider, it does not necessarily mean that he/she has not engaged in them. There are many barriers to disclosing HIV risk behaviors in the health care setting such as a limited patient-provider relationship or stigma.

Table 2. People diagnosed with HIV infection by exposure mode: 2006–2008¹, Massachusetts		
Exposure Mode:	HIV Diagnoses	
	N	%
Male-to-male sex (MSM)	786	40%
Injection Drug Use (IDU)	237	12%
MSM/IDU	56	3%
Receipt of Blood/Blood products	2	<1%
Pediatric	8	<1%
Total Heterosexual Sex (HTSX)	196	10%
• HTSX w/ an injection drug user	45	2%
• HTSX w/bisexual male	4	<1%
• HTSX w/ person who received blood/blood products	1	<1%
• HTSX w/ a person w/ HIV or AIDS	146	7%
Total Undetermined/Other	679	35%
• Presumed Heterosexual Sex ²	448	23%
• Undetermined/Other ³	231	12%
TOTAL	1,964	100%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis
² Heterosexual sex with partners with unknown risk and HIV status
³ Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up
 Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/10

Table 3. Percentage distribution of people living with HIV/AIDS on December 31, 2009 by Health Service Region (HSR)¹ and exposure mode: Massachusetts

HSR	MSM ²	IDU ³	MSM/ IDU ⁴	HTSX ⁵	Other ⁶	Pres. HTSX ⁷	Unde- ter- mined ⁸	Total
Boston HSR	47%	16%	3%	12%	2%	15%	6%	5,786
Central HSR	23%	33%	3%	18%	3%	17%	4%	1,621
Metro West HSR	39%	14%	3%	12%	3%	20%	9%	2,428
Northeast HSR	31%	21%	3%	15%	3%	20%	8%	2,659
Southeast HSR	38%	24%	3%	15%	3%	12%	6%	2,470
Western HSR	23%	33%	4%	19%	3%	14%	5%	2,118
Prison ⁹	6%	70%	6%	5%	<1%	8%	5%	953
MA Total	35%	24%	3%	14%	2%	16%	6%	18,045

¹ 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/Eeohhs2/docs/dph/aids/2006_profiles/app_hrs_maps.pdf for configuration of Health Service Regions

² MSM = Male-to-Male Sex

³ IDU = Injection Drug Use

⁴ MSM/IDU = Male-to-Male Sex and Injection Drug Use

⁵ HTSX = Heterosexual Sex

⁶ Other includes pediatric and receipt of blood/blood products

⁷ Pres. HTSX = Presumed Heterosexual Sex, heterosexual sex with partners with unknown risk and HIV status

⁸ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up, and confirmed occupational exposure

⁹ 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. Prisons include 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 1/1/10

Table 4. Percent of people diagnosed with HIV infection by Health Service Region (HSR)¹ and exposure mode: Massachusetts, 2006–2008²

Health Service Region:	MSM ³	IDU ⁴	MSM/ IDU ⁵	HTSX ⁶	Other ⁷	Pres. HTSX ⁸	Unde- ter- mined ⁹	Total
Boston HSR	49%	8%	4%	7%	1%	21%	10%	599
Central HSR	30%	15%	1%	16%	0%	31%	8%	174
Metro West HSR	43%	9%	3%	11%	1%	20%	13%	309
Northeast HSR	34%	10%	3%	8%	1%	29%	16%	319
Southeast HSR	42%	12%	2%	11%	1%	20%	12%	274
Western HSR	32%	20%	1%	13%	0%	23%	10%	216
Prison ¹⁰	13%	44%	7%	8%	0%	14%	14%	71
MA Total	40%	12%	3%	10%	1%	23%	12%	1,964

¹ 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/Eeohhs2/docs/dph/aids/2006_profiles/app_hrs_maps.pdf for configuration of Health Service Regions

² Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

³ MSM = Male-to-Male Sex

⁴ IDU = Injection Drug Use

⁵ MSM/IDU = Male-to-Male Sex and Injection Drug Use

⁶ HTSX = Heterosexual Sex

⁷ Other includes pediatric and receipt of blood/blood products

⁸ Pres. HTSX = Presumed Heterosexual Sex, heterosexual sex with partners with unknown risk and HIV status

⁹ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up

¹⁰ 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. Prisons include 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 1/1/10

Table 5. Ten cities/towns¹ in Massachusetts with the highest proportion of injection drug use or injection drug use and male-to-male sex as primary reported exposure mode among HIV infection diagnoses (HIV DX): 2006–2008²

Rank	City/Town	Number of HIV DX with IDU ³	Percent of Total HIV DX
1	Holyoke	10	40.0%
2	New Bedford	13	27.7%
3	Fall River	6	24.0%
4	Springfield	24	23.5%
5	Lawrence	10	21.7%
6	Chicopee	4	20.0%
7	Quincy	5	17.9%
8	Lynn	7	17.1%
9	Cambridge	8	16.7%
10	Worcester	15	14.2%

¹ Among cities/towns with over 20 reported HIV infection diagnoses in the years 2006–2008. 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

² Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

³ IDU includes primary reported exposure of injection drug use and injection drug use and male-to-male sex

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/10

Table 6. People living with HIV/AIDS on December 31, 2009 by gender and exposure mode: Massachusetts

Exposure Mode:	Male		Female	
	N	%	N	%
Male-to-male sex (MSM)	6,316	49%	N/A	N/A
Injection drug use (IDU)	2,904	23%	1,381	27%
MSM/IDU	608	5%	N/A	N/A
Heterosexual sex	731	6%	1,747	34%
Other ²	245	2%	189	4%
Total Undetermined	2,074	16%	1,850	36%
• Presumed heterosexual sex ³	1,322	10%	1,493	29%
• Undetermined ⁴	752	6%	357	7%
Total	12,878	100%	5,167	100%

¹ N/A=Not Applicable

² Other includes pediatric and receipt of blood/blood products

³ Heterosexual sex with partners with unknown risk and HIV status

⁴ Includes those still being followed up for risk information, those who have died with no determined risk, those lost to follow-up, and confirmed occupational exposure

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/10

Table 7. People diagnosed with HIV infection by gender and race/ethnicity, where the mode of exposure is injection drug use (IDU),¹ IDU-Related,² or Non IDU-Related/Unknown:³ Massachusetts, 2006–2008⁴

	IDU		IDU-Related		Non IDU-Related/Unknown	
	N	%	N	%	N	%
Gender:						
Male	206	70%	18	40%	1,203	74%
Female	87	30%	27	60%	423	26%
Race/Ethnicity:	N	%	N	%	N	%
White NH ⁵	137	47%	12	27%	667	41%
Black NH	48	16%	11	24%	548	34%
Hispanic	103	35%	21	47%	366	23%
API ⁶	5	2%	0	0%	40	2%
Other/Unknown	0	0%	1	2%	5	<1%
Total	293	100%	45	100%	1,626	100%

¹ Includes primary reported exposure of injection drug use (IDU) and reported exposure of injection drug use and male-to-male sex (MSM)

² Includes heterosexual sex with an injection drug user, pediatric exposure with a maternal risk of injection drug use, and pediatric exposure with a maternal risk of sex with an injection drug user

³ Includes MSM, heterosexual sex with a person with HIV or AIDS, heterosexual sex with a male who also has sex with men, Presumed Heterosexual Sex (pres. HTSX), Blood/Blood Products, Pediatric exposures where maternal risk was NOT injection drug use or sex with an injection drug user, and all other/undetermined exposures

⁴ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

⁵ NH = Non-Hispanic

⁶ API = Asian/Pacific Islander

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/10

Table 8. People living with HIV/AIDS on December 31, 2009 by gender and race/ethnicity, where the mode of exposure is IDU,¹ IDU-Related,² or Non IDU-Related:³ Massachusetts

	IDU ¹		IDU-Related ²		Non IDU-Related/Unknown ³	
	N	%	N	%	N	%
Gender:						
Male	3,512	72%	196	20%	9,170	75%
Female	1,381	28%	771	80%	3,015	25%
Race/Ethnicity:	N	%	N	%	N	%
White NH ⁴	1,913	39%	288	30%	5,823	48%
Black NH	1,121	23%	233	24%	3,789	31%
Hispanic	1,829	37%	433	45%	2,282	19%
API ⁵	15	<1%	4	<1%	227	2%
Other/Unknown	15	<1%	9	1%	64	1%
Total	4,893	100%	967	100%	12,185	100%

¹ Includes primary reported exposure of injection drug use (IDU) and reported exposure of injection drug use and male-to-male sex (MSM)

² Includes heterosexual sex with an injection drug user, pediatric exposure with a maternal risk of injection drug use, and pediatric exposure with a maternal risk of sex with an injection drug user

³ Includes MSM, heterosexual sex with a person with HIV or AIDS, heterosexual sex with a male who also has sex with men, Presumed Heterosexual Sex (pres. HTSX), Blood/Blood Products, Pediatric exposures where maternal risk was NOT injection drug use or sex with an injection drug user, and all other/undetermined exposures

⁴ NH = Non-Hispanic

⁵ API = Asian/Pacific Islander

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/10

Table 9. People living with HIV/AIDS on December 31, 2009 where the mode of exposure is IDU,¹ gender by race/ethnicity: Massachusetts

	White NH ²		Black NH		Hispanic		Other/Unknown		Total	
	N	%	N	%	N	%	N	%	N	%
Male	1,261	36%	807	23%	1,423	41%	21	1%	3,512	100%
Female	652	47%	314	23%	406	29%	9	1%	1,381	100%

¹ Includes primary reported exposure of injection drug use (IDU) and reported exposure of injection drug use and male-to-male sex

² NH = Non-Hispanic

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/10

Table 10. People living with HIV/AIDS on December 31, 2009 where the mode of exposure is IDU-Related,¹ gender by race/ethnicity: Massachusetts

	White NH ²		Black NH		Hispanic		Other/ Unknown		Total	
	N	%	N	%	N	%	N	%	N	%
Male	60	31%	66	34%	67	34%	3	2%	196	100%
Female	228	30%	167	22%	366	47%	10	1%	771	100%

¹ Includes heterosexual sex with an injection drug user, pediatric exposure with a maternal risk of injection drug use, and pediatric exposure with a maternal risk of sex with an injection drug user

² NH = Non-Hispanic

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/10

Table 11. People diagnosed with HIV infection in 2006–2008¹ where the mode of exposure is IDU,² gender by race/ethnicity: Massachusetts

	White NH ³		Black NH		Hispanic		Other/ Unknown		Total	
	N	%	N	%	N	%	N	%	N	%
Male	93	45%	36	17%	73	35%	4	2%	206	100%
Female	44	51%	12	14%	30	34%	1	1%	87	100%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Includes primary reported exposure of injection drug use (IDU) and reported exposure of injection drug use and male-to-male sex

³ NH = Non-Hispanic

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/10

Table 12. People diagnosed with HIV infection in 2006–2008¹ by age at HIV diagnosis where the mode of exposure is IDU,² IDU-Related,³ or Non IDU-Related:⁴ Massachusetts

Years	IDU		IDU-Related		Non IDU-related/Unknown	
	N	%	N	%	N	%
0 to 12	0	0%	0	0%	6	<1%
13 to 19	1	<1%	1	2%	37	2%
20 to 24	16	5%	4	9%	135	8%
25 to 29	34	12%	2	4%	209	13%
30 to 34	41	14%	2	4%	199	12%
35 to 39	40	14%	5	11%	272	17%
40 to 44	52	18%	7	16%	275	17%
45 to 49	47	16%	15	33%	224	14%
50 to 54	38	13%	5	11%	124	8%
55 to 59	17	6%	3	7%	79	5%
60+	7	2%	1	2%	66	4%
Total	293	100%	45	100%	1,626	100%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Includes primary reported exposure of injection drug use (IDU) and reported exposure of injection drug use and male-to-male sex (MSM)

³ Includes heterosexual sex with an injection drug user, pediatric exposure with a maternal risk of injection drug use, and pediatric exposure with a maternal risk of sex with an injection drug user

⁴ Includes MSM, heterosexual sex with a person with HIV or AIDS, heterosexual sex with a male who also has sex with men, Presumed Heterosexual Sex (pres. HTSX), Blood/Blood Products, Pediatric exposures where maternal risk was NOT injection drug use or sex with an injection drug user, and all other/undetermined exposures

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/10

Table 13. People living with HIV/AIDS on December 31, 2009 by current age where the mode of exposure is IDU,¹ IDU-Related,² or Non IDU-Related:³ Massachusetts

Years	IDU		IDU-Related		Non IDU-related/Unknown	
	N	%	N	%	N	%
0 to 12	0	0%	0	0%	53	<1%
13 to 19	0	0%	2	<1%	163	1%
20 to 24	7	<1%	12	1%	239	2%
25 to 29	62	1%	26	3%	466	4%
30 to 34	144	3%	58	6%	795	7%
35 to 39	325	7%	93	10%	1,404	12%
40 to 44	875	18%	192	20%	2,226	18%
45 to 49	1,285	26%	227	23%	2,631	22%
50 to 54	1,198	24%	186	19%	1,921	16%
55 to 59	655	13%	100	10%	1,134	9%
60+	342	7%	71	7%	1,153	9%
Total	4,893	100%	967	100%	12,185	100%

¹ Includes primary reported exposure of injection drug use (IDU) and reported exposure of injection drug use and male-to-male sex (MSM)

² Includes heterosexual sex with an injection drug user, pediatric exposure with a maternal risk of injection drug use, and pediatric exposure with a maternal risk of sex with an injection drug user

³ Includes MSM, heterosexual sex with a person with HIV or AIDS, heterosexual sex with a male who also has sex with men, Presumed Heterosexual Sex (pres. HTSX), Blood/Blood Products, Pediatric exposures where maternal risk was NOT injection drug use or sex with an injection drug user, and all other/undetermined exposures

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/10

Table 14. Reported AIDS cases by exposure mode and year of diagnosis of AIDS: Massachusetts, selected years, 1985–2008

	MSM ¹		IDU ²		MSM/ IDU ³		HTSX ⁴		Other ⁵		Pres. HTSX ⁶		Undeter- -mined ⁷		Total
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N
1985	141	62%	34	15%	12	5%	8	4%	12	5%	18	8%	3	1%	228
1990	477	44%	344	32%	45	4%	75	7%	56	5%	43	4%	39	4%	1,079
1995	451	32%	585	41%	68	5%	166	12%	34	2%	71	5%	52	4%	1,427
1999	239	25%	378	40%	34	4%	114	12%	5	1%	153	16%	26	3%	949
2000	183	23%	280	35%	20	2%	134	17%	10	1%	146	18%	33	4%	806
2001	179	25%	216	30%	33	5%	112	15%	13	2%	134	18%	41	6%	728
2002	182	26%	199	28%	26	4%	116	16%	10	1%	136	19%	44	6%	713
2003	153	25%	175	29%	20	3%	89	15%	9	1%	111	18%	55	9%	612
2004	172	25%	171	25%	24	4%	90	13%	11	2%	148	22%	62	9%	678
2005	179	27%	171	26%	20	3%	95	15%	4	1%	124	19%	58	9%	651
2006	194	33%	107	18%	16	3%	87	15%	6	1%	130	22%	46	8%	586
2007	135	29%	104	22%	12	3%	63	13%	11	2%	100	21%	42	9%	467
2008	117	36%	57	18%	10	3%	33	10%	3	1%	67	21%	37	11%	324

¹ MSM = Male-to-Male Sex² IDU = Injection Drug Use³ MSM/IDU = Male-to-Male Sex and Injection Drug Use⁴ HTSX = Heterosexual Sex⁵ Other includes pediatric and receipt of blood/blood products⁶ Pres. HTSX = Presumed Heterosexual Sex, heterosexual sex with partners with unknown risk and HIV status⁷ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up, and confirmed occupational exposure

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/10

Table 15. Deaths among persons reported with HIV/AIDS by exposure mode and year of death: Massachusetts, 1999–2008

	MSM ¹		IDU ²		MSM/ IDU ³		HTSX ⁴		Other ⁵		Pres. HTSX ⁶		Undeter- -mined ⁷		Total
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N
1999	72	18%	214	54%	18	5%	33	8%	13	3%	28	7%	20	5%	398
2000	76	20%	203	54%	16	4%	25	7%	12	3%	28	7%	16	4%	376
2001	91	22%	218	52%	20	5%	29	7%	6	1%	30	7%	29	7%	423
2002	77	20%	205	54%	17	4%	36	9%	9	2%	22	6%	13	3%	379
2003	74	19%	198	50%	17	4%	48	12%	8	2%	29	7%	23	6%	397
2004	60	18%	168	51%	20	6%	28	8%	8	2%	26	8%	20	6%	330
2005	47	16%	164	54%	14	5%	33	11%	3	1%	25	8%	17	6%	303
2006	60	20%	147	50%	16	5%	26	9%	3	1%	24	8%	18	6%	294
2007	50	19%	120	46%	19	7%	28	11%	6	2%	24	9%	14	5%	261
2008	47	19%	123	49%	12	5%	22	9%	3	1%	26	10%	17	7%	250

¹ MSM = Male-to-Male Sex² IDU = Injection Drug Use³ MSM/IDU = Male-to-Male Sex and Injection Drug Use⁴ HTSX = Heterosexual Sex⁵ Other includes pediatric and receipt of blood/blood products⁶ Pres. HTSX = Presumed Heterosexual Sex, heterosexual sex with partners with unknown risk and HIV status⁷ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up, and confirmed occupational exposure

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/10

Table 16. Deaths among persons reported with AIDS by mode of exposure and year of death: Massachusetts, selected years, 1985–2008

	MSM ¹		IDU ²		MSM/ IDU ³		HTSX ⁴		Other ⁵		Pres. HTSX ⁶		Unde- ter- mined ⁷		Total N
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	
1985	73	61%	16	13%	8	7%	0	0%	9	8%	12	10%	2	2%	120
1990	352	56%	156	25%	27	4%	25	4%	28	4%	24	4%	20	3%	632
1995	440	37%	453	38%	41	3%	135	11%	40	3%	26	2%	51	4%	1,186
1999	63	18%	187	54%	18	5%	29	8%	13	4%	23	7%	16	5%	349
2000	70	21%	177	53%	16	5%	23	7%	12	4%	24	7%	15	4%	337
2001	83	22%	183	49%	20	5%	26	7%	5	1%	30	8%	23	6%	370
2002	68	21%	168	53%	14	4%	31	10%	9	3%	17	5%	12	4%	319
2003	66	20%	163	49%	14	4%	40	12%	8	2%	23	7%	20	6%	334
2004	47	17%	139	51%	18	7%	25	9%	7	3%	20	7%	19	7%	275
2005	37	15%	136	55%	13	5%	25	10%	1	0%	22	9%	15	6%	249
2006	57	22%	129	51%	13	5%	21	8%	2	1%	19	7%	14	5%	255
2007	36	17%	94	45%	17	8%	24	12%	6	3%	19	9%	12	6%	208
2008	34	18%	94	50%	7	4%	17	9%	3	2%	19	10%	14	7%	188

¹ MSM = Male-to-Male Sex² IDU = Injection Drug Use³ MSM/IDU = Male-to-Male Sex and Injection Drug Use⁴ HTSX = Heterosexual Sex⁵ Other includes pediatric and receipt of blood/blood products⁶ Pres. HTSX = Presumed Heterosexual Sex, heterosexual sex with partners with unknown risk and HIV status⁷ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up, and confirmed occupational exposure

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/10

Technical Notes:

Table 17 includes data reported by students in randomly selected Massachusetts high schools every odd year from 1993 to 2007. This anonymous survey, the Youth Risk Behavior Survey (YRBS), is administered by the Massachusetts Department of Elementary and Secondary Education in collaboration with the Centers for Disease Control and Prevention and focuses on risk behaviors that may compromise the health and/or safety of high school students.

Table 17. Percentage of Massachusetts Youth Risk Behavior Survey (YRBS) respondents reporting lifetime (ever) injection drug use by year and gender: Massachusetts, 1993–2007¹

Year	Males		Females		<u>Total</u> Males + Females	
	%	Total N ²	%	Total N ²	%	Total N ²
1993	3.8%	1,492	1.2%	1,535	2.6%	3,031
1995	4.5%	2,056	1.0%	2,038	2.8%	4,102
1997	2.9%	1,966	1.1%	1,953	2.0%	3,930
1999	3.6%	2,188	1.6%	2,178	2.7%	4,382
2001	2.4%	2,098	0.9%	2,032	1.7%	4,144
2003	2.9%	1,765	1.5%	1,816	2.2%	3,588
2005	1.9%	1,663	0.8%	1,786	1.5%	3,468
2007	3.3%	1,499	1.6%	1,594	2.5%	3,100

¹ A random sample of high schools is selected for participation each year; data presented do not represent cohorts followed over time

² Total N = total number of respondents by sex (unweighted). The number of respondents for each question varies from year to year

Data Source: Massachusetts Department of Elementary and Secondary Education, Youth Risk Behavior Survey, 1993–2007

Technical Notes:

Program utilization data for HIV/AIDS prevention services describe people who utilize these services and who may be at risk for HIV infection. Data from the needle exchange program can be used to describe demographics and HIV risk behavior in a population of injection drug users. Not all injection drug users utilize state-funded needle exchange programs; therefore, these data are not representative of all injection drug users in Massachusetts. Table 18 contains data on clients utilizing the state-funded needle exchange program.

Table 18. Characteristics of clients of state-funded needle exchanges: Massachusetts, fiscal year 2009¹		
Gender:	N	%
Male	1,338	74%
Female	439	24%
Transgender	16	1%
Undetermined ²	27	1%
Age, in Years³:	N	%
18–19	20	1%
20–29	531	29%
30–39	508	28%
40–49	437	24%
50–59	279	15%
60+	45	2%
Race/Ethnicity:	N	%
White Non-Hispanic	1284	71%
Black/African American Non-Hispanic	143	8%
Hispanic	312	17%
Asian Non-Hispanic	10	1%
Native Hawaiian/Pacific Islander Non-Hispanic	4	<1%
American Indian/Alaskan Native Non-Hispanic	11	1%
Multi-Race	1	<1%
Unidentified Race Non-Hispanic	11	1%
Undetermined ²	44	2%
Sexual Orientation:	N	%
Heterosexual	1,477	81%
Bisexual	67	4%
Gay/lesbian	59	3%
Undetermined ²	217	12%
Needle Sharing Frequency:	N	%
Always	30	2%
Sometimes	487	27%
Never	764	42%
Undetermined ²	539	30%
Age at First Injection:		
Under age 20 years	602	33%
Age 20 years and above	942	52%
Undetermined ²	276	15%
Total	1,820	100%
¹ July 1, 2008 through June 30, 2009		
² Undetermined includes exchanges among participants who declined to include this information, were not asked this information or for whom the information is otherwise missing		
³ Age is calculated by taking the average across uses of needle exchange throughout the year		
Data Source: MDPH Office of HIV/AIDS		

Technical Notes:

Tables 19–21 include program utilization data for substance abuse treatment services funded through the Massachusetts Bureau of Substance Abuse Services. Not all people who receive substance abuse treatment receive it at one of these state-funded sites; therefore, these data are not representative of all people treated for substance abuse in Massachusetts. It is important to note that the data presented in this section represent admissions and not individual clients; therefore the data may contain more than one admission for some people.

Table 19. Admissions to state-funded substance abuse treatment programs by needle use in the past year: Massachusetts, state fiscal year¹ 2001–2010

Year	Used Needle		Did Not Use Needle		Total ²
	N	%	N	%	N
2001	33,391	27%	89,381	73%	122,772
2002	35,602	29%	88,768	71%	124,370
2003	35,160	30%	81,226	70%	116,386
2004	31,769	31%	71,598	69%	103,367
2005	32,435	31%	71,903	69%	104,338
2006	31,207	30%	72,303	70%	103,510
2007	33,355	31%	74,719	69%	108,074
2008	34,350	32%	72,037	68%	106,387
2009	37,560	36%	66,100	64%	103,660
2010	40,748	39%	63,318	61%	104,066

¹ July 1 of previous year – June 30 of the indicated year

² Tabulations exclude cases with missing values for either variable

Data Source: MDPH Bureau of Substance Abuse Services, Office of Data Analytics and Decision Support, Data as of 9/20/10

Table 20. Admissions to state-funded substance abuse treatment programs by primary substance: Massachusetts, state fiscal year¹ 2001–2010

Year	Alcohol		Cocaine		Crack		Heroin		Other		Total ²
	N	%	N	%	N	%	N	%	N	%	N
2001	57,245	47%	4,745	4%	4,220	3%	43,727	36%	12,624	10%	122,561
2002	56,087	45%	4,655	4%	4,175	3%	45,621	37%	13,756	11%	124,294
2003	49,912	43%	4,348	4%	4,043	3%	44,101	38%	13,914	12%	116,318
2004	43,781	42%	3,777	4%	3,557	3%	38,943	38%	13,252	13%	103,310
2005	43,582	42%	4,026	4%	4,113	4%	39,246	38%	13,194	13%	104,161
2006	42,517	41%	4,355	4%	4,265	4%	37,928	37%	13,944	14%	103,009
2007	43,990	41%	4,841	5%	4,474	4%	38,897	36%	15,365	14%	107,567
2008	43,431	41%	4,193	4%	3,970	4%	38,750	37%	15,704	15%	106,048
2009	41,303	40%	3,414	3%	3,148	3%	39,972	39%	15,745	15%	103,582
2010	40,377	39%	2,739	3%	2,569	2%	41,706	40%	16,654	16%	104,045

¹ July 1 of previous year – June 30 of the indicated year² Tabulations exclude cases with missing values for either variable

Data Source: MDPH Bureau of Substance Abuse Services, Office of Data Analytics and Decision Support, Data as of 9/20/10

Table 21. Characteristics of Admissions to State-funded Substance Abuse Treatment Programs by Needle Use in the Past Year: Massachusetts, Fiscal Year 2010¹

	Admissions Reporting Needle Use in the Past Year		Admissions NOT Reporting Needle Use in the Past Year	
	N	%	N	%
By Gender:				
Male	25,802	69%	39,410	71%
Female	11,754	31%	16,184	29%
Transgender	24	<1%	26	<1%
By Race/Ethnicity:	N	%	N	%
White, NH ²	31,020	83%	41,069	74%
Black, NH	1,273	3%	6,372	11%
Hispanic	4,434	12%	6,271	11%
Asian/Pacific Islander, NH	243	1%	418	1%
American Indian, NH	81	<1%	226	<1%
Other/Unknown	529	1%	1,264	2%
By Region:³	N	%	N	%
Boston HSR	9,029	24%	9,310	17%
Central HSR	4,110	11%	6,251	11%
Metro West HSR	4,947	13%	7,060	13%
Northeast HSR	7,447	20%	9,355	17%
Southeast HSR	8,104	22%	12,850	23%
Western HSR	3,671	10%	9,739	18%
Out of State	57	<1%	552	1%
Unknown				
By Education:	N	%	N	%
Less than High School	11,764	31%	14,689	26%
High School graduate	18,161	48%	23,503	42%
More than High School	7,655	20%	17,428	31%
By Other Variables:	N	%	N	%
Employed	3,466	9%	15,092	27%
Not Employed	34,114	91%	40,528	73%
Homeless	9,920	26%	7,631	14%
Not Homeless	27,660	74%	47,989	86%
Pregnant	298	1%	221	<1%
Total⁴	37,580	100%	55,620	100%

¹ July 1, 2009 – June 30, 2010² NH = Non-Hispanic³ Region is the Health Service Region (HSR) of the client's primary residence; see Epidemiologic Profile General Appendices, Health Service Region Maps, available at http://www.mass.gov/Eeohhs2/docs/dph/aids/2006_profiles/app_hrs_maps.pdf for configuration of Health Service Regions⁴ Tabulations exclude cases with missing values for either variable

Data Source: MDPH Bureau of Substance Abuse Services, Office of Data Analytics and Decision Support, Data as of 9/20/10