

***Massachusetts
HIV/AIDS
Surveillance Program***

Monthly Update

Data as of October 1, 2008

**Massachusetts Department of Public Health
305 South Street, 2nd floor
Boston, MA 02130**

Visit our web site at <http://www.mass.gov/dph/cdc/aids>

Monthly HIV/AIDS Surveillance Reports:

HIV case information is collected on individuals who are HIV- infected, but have not progressed to AIDS. This information was collected from health care providers from January 1, 1999 through December 31, 2006 using a non-name system. As of January 1, 2007 HIV cases are reportable by name. Diagnosis year for HIV identifies when an HIV-infected individual tested confidentially and/or entered medical care; it does not identify when infection occurred nor when an individual first tested positive.

The Massachusetts HIV/AIDS monthly update reports presents persons living with HIV, persons living with AIDS, and living HIV/AIDS cases combined. Individual summary sheets for health service regions of the state have replaced the city and town cumulative case lists provided previously. As of May 1, 2004, the trends page includes cumulative HIV and AIDS cases together for Massachusetts and Boston displayed by year of diagnosed HIV infection. At the present time, data by diagnosis year are only available for cases diagnosed through 2006. The data for diagnosis year 2007 will be available when the data is finalized. HIV and AIDS cases diagnosed before 1999 are grouped together as “<=1998”.

Prior to September 30, 2004 Pediatric HIV surveillance was maintained through the Pediatric Spectrum of Disease (PSD) Project. In October of 2004, the Massachusetts Department of Public Health HIV/AIDS Surveillance Program (MHASP) assumed the responsibility of monitoring pediatric HIV cases throughout the state, whereas previously, MHASP was only responsible for monitoring pediatric AIDS cases. The April 1, 2005 Monthly Update was the first report issued by the MHASP to reflect our pediatric HIV surveillance activities. For more information about MHASP pediatric HIV surveillance activities, call (617) 983-6572.

**MASSACHUSETTS HIV/AIDS SURVEILLANCE PROGRAM
HIV/AIDS SUMMARY REPORT**

ALIVE CASES AS OF OCTOBER 1, 2008

Total Cases Reported In September, 2008	HIV:	33	AIDS:	37
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Massachusetts

		HIV	AIDS	HIV/AIDS
		7,776 *	9,597	17,373 *
		No. %	No. %	No. %
RESIDENCE**		7,771	9,597	17,368
HSR	Boston	2,543 32.7%	3,028 31.6%	5,571 32.1%
	Central	634 8.2%	923 9.6%	1,557 9.0%
	MetroWest	1,036 13.3%	1,245 13.0%	2,281 13.1%
	Northeast	1,133 14.6%	1,405 14.6%	2,538 14.6%
	Southeast	1,021 13.1%	1,389 14.5%	2,410 13.9%
	Western	1,017 13.1%	1,062 11.1%	2,079 12.0%
	Subtotal	7,384 95.0%	9,052 94.3%	16,436 94.6%
	Prisoners***	387 5.0%	545 5.7%	932 5.4%
MODE OF EXPOSURE (adults)		7,581	9,463	17,044
	Male Sex w/Male	2,922 38.5%	3,024 32.0%	5,946 34.9%
	Injection Drug Use	1,615 21.3%	2,693 28.5%	4,308 25.3%
	Male/Male Sex & IDU	226 3.0%	336 3.6%	562 3.3%
	Receipt of blood/products	25 0.3%	75 0.8%	100 0.6%
	Heterosexual Sex	1,002 13.2%	1,375 14.5%	2,377 13.9%
	Presumed Het-Unk Risk of Prtnr ^{&}	1,257 16.6%	1,447 15.3%	2,704 15.9%
	Undetermined/Other	534 7.0%	513 5.4%	1,047 6.1%
MODE OF EXPOSURE (pediatric)		195	132	327
	Mother w/HIV/at risk for HIV	192 98.5%	122 92.4%	314 96.0%
	Receipt of blood/products	0 0.0%	5 3.8%	5 1.5%
	Undetermined	3 1.5%	5 3.8%	8 2.4%
GENDER		7,776	9,597	17,373
	Male	5,393 69.4%	6,992 72.9%	12,385 71.3%
	Female	2,383 30.6%	2,605 27.1%	4,988 28.7%
RACE/ETHNICITY		7,776	9,597	17,373
	White	3,570 45.9%	4,184 43.6%	7,754 44.6%
	Black	2,110 27.1%	2,809 29.3%	4,919 28.3%
	Hispanic	1,924 24.7%	2,450 25.5%	4,374 25.2%
	Other/Unknown	172 2.2%	154 1.6%	326 1.9%
AGE AT DIAGNOSIS[‡]		7,776	9,597	--
	Under 13	194 2.5%	90 0.9%	--
	13 - 19	183 2.4%	81 0.8%	--
	20 - 29	1,954 25.1%	1,317 13.7%	--
	30 - 39	3,148 40.5%	4,185 43.6%	--
	40 - 49	1,727 22.2%	2,974 31.0%	--
	Over 49	570 7.3%	950 9.9%	--

*Total includes cases with unknown city/town

**These numbers only include residents of Massachusetts. Non-residents diagnosed at a Massachusetts health facility are not included.

HSR = Health Service Region. See <http://www.state.ma.us/dph/ohc/config.htm> for configurations.

***Cases diagnosed while the individual is in a correctional facility.

[&] Risk of partner is unknown and primary risk categories have been denied; definition revised 7/1/99.

[‡]HIV infection and the first AIDS-defining condition are not always diagnosed at the same point in time; age at diagnosis numbers are not combined when people who are HIV-infected only and those who have progressed to AIDS are described together.-Rev 7/1/2001

**MASSACHUSETTS HIV/AIDS SURVEILLANCE PROGRAM
HIV/AIDS SUMMARY REPORT**

ALIVE CASES AS OF OCTOBER 1, 2008

	HIV	AIDS	HIV/AIDS
Boston HSR*	2,543	3,028	5,571
	No. %	No. %	No. %
MODE OF EXPOSURE (adults)	2,497	2,991	5,488
Male Sex w/Male	1,312 52.5%	1,264 42.3%	2,576 46.9%
Injection Drug Use	310 12.4%	603 20.2%	913 16.6%
Male/Male Sex & IDU	81 3.2%	103 3.4%	184 3.4%
Receipt of blood/products	7 0.3%	19 0.6%	26 0.5%
Heterosexual Sex	255 10.2%	393 13.1%	648 11.8%
Presumed Het-Unk Risk of Prtnr ^{&}	384 15.4%	461 15.4%	845 15.4%
Undetermined/Other	148 5.9%	148 4.9%	296 5.4%
MODE OF EXPOSURE (pediatric)	46	37	83
Mother w/HIV/at risk for HIV	45 97.8%	35 94.6%	80 96.4%
Receipt of blood/products	0 0.0%	1 2.7%	1 1.2%
Undetermined	1 2.2%	1 2.7%	2 2.4%
GENDER	2,543	3,028	5,571
Male	1,927 75.8%	2,333 77.0%	4,260 76.5%
Female	616 24.2%	695 23.0%	1,311 23.5%
RACE/ETHNICITY	2,543	3,028	5,571
White	1,132 44.5%	1,154 38.1%	2,286 41.0%
Black	873 34.3%	1,251 41.3%	2,124 38.1%
Hispanic	485 19.1%	576 19.0%	1,061 19.0%
Other/Unknown	53 2.1%	47 1.6%	100 1.8%
AGE AT DIAGNOSIS[‡]	2,543	3,028	--
Under 13	46 1.8%	28 0.9%	--
13 - 19	65 2.6%	18 0.6%	--
20 - 29	616 24.2%	441 14.6%	--
30 - 39	1,056 41.5%	1,303 43.0%	--
40 - 49	577 22.7%	942 31.1%	--
Over 49	183 7.2%	296 9.8%	--

*These numbers only include residents of Massachusetts. Non-residents and individuals incarcerated at the time of diagnosis are not included.

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[&]Risk of partner is unknown and primary risk categories have been denied; definition revised 7/1/99.

[‡]HIV infection and the first AIDS-defining condition are not always diagnosed at the same point in time; age at diagnosis numbers are not combined when people who are HIV-infected only and those who have progressed to AIDS are described together.-Rev 7/1/2001

MASSACHUSETTS HIV/AIDS SURVEILLANCE PROGRAM

HIV/AIDS SUMMARY REPORT

ALIVE CASES AS OF OCTOBER 1, 2008

	HIV	AIDS	HIV/AIDS
Central HSR*	634	923	1,557
	No. %	No. %	No. %
MODE OF EXPOSURE (adults)	611	908	1,519
Male Sex w/Male	162 26.5%	175 19.3%	337 22.2%
Injection Drug Use	181 29.6%	341 37.6%	522 34.4%
Male/Male Sex & IDU	10 1.6%	34 3.7%	44 2.9%
Receipt of blood/products	4 0.7%	11 1.2%	15 1.0%
Heterosexual Sex	102 16.7%	173 19.1%	275 18.1%
Presumed Het-Unk Risk of Prtnr ^{&}	122 20.0%	143 15.7%	265 17.4%
Undetermined/Other	30 4.9%	31 3.4%	61 4.0%
MODE OF EXPOSURE (pediatric)	23	15	38
Mother w/HIV/at risk for HIV	23 100.0%	14 93.3%	37 97.4%
Receipt of blood/products	0 0.0%	0 0.0%	0 0.0%
Undetermined	0 0.0%	1 6.7%	1 2.6%
GENDER	634	923	1,557
Male	378 59.6%	593 64.2%	971 62.4%
Female	256 40.4%	330 35.8%	586 37.6%
RACE/ETHNICITY	634	923	1,557
White	281 44.3%	406 44.0%	687 44.1%
Black	141 22.2%	194 21.0%	335 21.5%
Hispanic	205 32.3%	309 33.5%	514 33.0%
Other/Unknown	7 1.1%	14 1.5%	21 1.3%
AGE AT DIAGNOSIS[‡]	634	923	--
Under 13	23 3.6%	10 1.1%	--
13 - 19	19 3.0%	8 0.9%	--
20 - 29	167 26.3%	117 12.7%	--
30 - 39	243 38.3%	392 42.5%	--
40 - 49	130 20.5%	282 30.6%	--
Over 49	52 8.2%	114 12.4%	--

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MASSACHUSETTS HIV/AIDS SURVEILLANCE PROGRAM

HIV/AIDS SUMMARY REPORT

ALIVE CASES AS OF OCTOBER 1, 2008

	HIV	AIDS	HIV/AIDS
MetroWest HSR*	1,036	1,245	2,281
	No. %	No. %	No. %
MODE OF EXPOSURE (adults)	1,004	1,228	2,232
Male Sex w/Male	436 43.4%	431 35.1%	867 38.8%
Injection Drug Use	126 12.5%	213 17.3%	339 15.2%
Male/Male Sex & IDU	24 2.4%	41 3.3%	65 2.9%
Receipt of blood/products	7 0.7%	17 1.4%	24 1.1%
Heterosexual Sex	127 12.6%	150 12.2%	277 12.4%
Presumed Het-Unk Risk of Prtnr ^{&}	185 18.4%	278 22.6%	463 20.7%
Undetermined/Other	99 9.9%	98 8.0%	197 8.8%
MODE OF EXPOSURE (pediatric)	32	17	49
Mother w/HIV/at risk for HIV	31 96.9%	13 76.5%	44 89.8%
Receipt of blood/products	0 0.0%	3 17.6%	3 6.1%
Undetermined	1 3.1%	1 5.9%	2 4.1%
GENDER	1,036	1,245	2,281
Male	732 70.7%	898 72.1%	1,630 71.5%
Female	304 29.3%	347 27.9%	651 28.5%
RACE/ETHNICITY	1,036	1,245	2,281
White	542 52.3%	652 52.4%	1,194 52.3%
Black	341 32.9%	419 33.7%	760 33.3%
Hispanic	117 11.3%	150 12.0%	267 11.7%
Other/Unknown	36 3.5%	24 1.9%	60 2.6%
AGE AT DIAGNOSIS[‡]	1,036	1,245	--
Under 13	31 3.0%	10 0.8%	--
13 - 19	14 1.4%	14 1.1%	--
20 - 29	271 26.2%	171 13.7%	--
30 - 39	406 39.2%	534 42.9%	--
40 - 49	235 22.7%	376 30.2%	--
Over 49	79 7.6%	140 11.2%	--

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**MASSACHUSETTS HIV/AIDS SURVEILLANCE PROGRAM
HIV/AIDS SUMMARY REPORT**

ALIVE CASES AS OF OCTOBER 1, 2008

	HIV	AIDS	HIV/AIDS
Northeast HSR*	1,133	1,405	2,538
	No. %	No. %	No. %
MODE OF EXPOSURE (adults)	1,097	1,384	2,481
Male Sex w/Male	365 33.3%	397 28.7%	762 30.7%
Injection Drug Use	212 19.3%	348 25.1%	560 22.6%
Male/Male Sex & IDU	27 2.5%	45 3.3%	72 2.9%
Receipt of blood/products	1 0.1%	8 0.6%	9 0.4%
Heterosexual Sex	163 14.9%	220 15.9%	383 15.4%
Presumed Het-Unk Risk of Prtnr ^{&}	226 20.6%	260 18.8%	486 19.6%
Undetermined/Other	103 9.4%	106 7.7%	209 8.4%
MODE OF EXPOSURE (pediatric)	36	21	57
Mother w/HIV/at risk for HIV	35 97.2%	19 90.5%	54 94.7%
Receipt of blood/products	0 0.0%	1 4.8%	1 1.8%
Undetermined	1 2.8%	1 4.8%	2 3.5%
GENDER	1,133	1,405	2,538
Male	722 63.7%	981 69.8%	1,703 67.1%
Female	411 36.3%	424 30.2%	835 32.9%
RACE/ETHNICITY	1,133	1,405	2,538
White	535 47.2%	645 45.9%	1,180 46.5%
Black	249 22.0%	275 19.6%	524 20.6%
Hispanic	310 27.4%	437 31.1%	747 29.4%
Other/Unknown	39 3.4%	48 3.4%	87 3.4%
AGE AT DIAGNOSIS[‡]	1,133	1,405	--
Under 13	36 3.2%	14 1.0%	--
13 - 19	23 2.0%	14 1.0%	--
20 - 29	281 24.8%	209 14.9%	--
30 - 39	471 41.6%	623 44.3%	--
40 - 49	239 21.1%	412 29.3%	--
Over 49	83 7.3%	133 9.5%	--

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[&]Risk of partner is unknown and primary risk categories have been denied; definition revised 7/1/99.

[‡]HIV infection and the first AIDS-defining condition are not always diagnosed at the same point in time; age at diagnosis numbers are not combined when people who are HIV-infected only and those who have progressed to AIDS are described together.-Rev 7/1/2001

MASSACHUSETTS HIV/AIDS SURVEILLANCE PROGRAM

HIV/AIDS SUMMARY REPORT

ALIVE CASES AS OF OCTOBER 1, 2008

	HIV	AIDS	HIV/AIDS
Southeast HSR*	1,021	1,389	2,410
	No. %	No. %	No. %
MODE OF EXPOSURE (adults)	999	1,364	2,363
Male Sex w/Male	401 40.1%	491 36.0%	892 37.7%
Injection Drug Use	244 24.4%	370 27.1%	614 26.0%
Male/Male Sex & IDU	34 3.4%	42 3.1%	76 3.2%
Receipt of blood/products	2 0.2%	14 1.0%	16 0.7%
Heterosexual Sex	133 13.3%	231 16.9%	364 15.4%
Presumed Het-Unk Risk of Prtnr ^{&}	126 12.6%	146 10.7%	272 11.5%
Undetermined/Other	59 5.9%	70 5.1%	129 5.5%
MODE OF EXPOSURE (pediatric)	22	25	47
Mother w/HIV/at risk for HIV	22 100.0%	22 88.0%	44 93.6%
Receipt of blood/products	0 0.0%	2 8.0%	2 4.3%
Undetermined	0 0.0%	1 4.0%	1 2.1%
GENDER	1,021	1,389	2,410
Male	705 69.0%	1,002 72.1%	1,707 70.8%
Female	316 31.0%	387 27.9%	703 29.2%
RACE/ETHNICITY	1,021	1,389	2,410
White	654 64.1%	879 63.3%	1,533 63.6%
Black	208 20.4%	285 20.5%	493 20.5%
Hispanic	141 13.8%	211 15.2%	352 14.6%
Other/Unknown	18 1.8%	14 1.0%	32 1.3%
AGE AT DIAGNOSIS[‡]	1,021	1,389	--
Under 13	21 2.1%	15 1.1%	--
13 - 19	21 2.1%	9 0.6%	--
20 - 29	237 23.2%	158 11.4%	--
30 - 39	423 41.4%	597 43.0%	--
40 - 49	247 24.2%	459 33.0%	--
Over 49	72 7.1%	151 10.9%	--

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[&]Risk of partner is unknown and primary risk categories have been denied; definition revised 7/1/99.

[‡]HIV infection and the first AIDS-defining condition are not always diagnosed at the same point in time; age at diagnosis numbers are not combined when people who are HIV-infected only and those who have progressed to AIDS are described together.-Rev 7/1/2001

MASSACHUSETTS HIV/AIDS SURVEILLANCE PROGRAM

HIV/AIDS SUMMARY REPORT

ALIVE CASES AS OF OCTOBER 1, 2008

	HIV	AIDS	HIV/AIDS
Western HSR*	1,017	1,062	2,079

	No. %	No. %	No. %
MODE OF EXPOSURE (adults)	981	1,043	2,024
Male Sex w/Male	217 22.1%	238 22.8%	455 22.5%
Injection Drug Use	293 29.9%	404 38.7%	697 34.4%
Male/Male Sex & IDU	30 3.1%	43 4.1%	73 3.6%
Receipt of blood/products	3 0.3%	6 0.6%	9 0.4%
Heterosexual Sex	200 20.4%	185 17.7%	385 19.0%
Presumed Het-Unk Risk of Prtnr ^{&}	164 16.7%	130 12.5%	294 14.5%
Undetermined/Other	74 7.5%	37 3.5%	111 5.5%

MODE OF EXPOSURE (pediatric)	36	19	55
Mother w/HIV/at risk for HIV	36 100.0%	19 100.0%	55 100.0%
Receipt of blood/products	0 0.0%	0 0.0%	0 0.0%
Undetermined	0 0.0%	0 0.0%	0 0.0%

GENDER	1,017	1,062	2,079
Male	600 59.0%	699 65.8%	1,299 62.5%
Female	417 41.0%	363 34.2%	780 37.5%

RACE/ETHNICITY	1,017	1,062	2,079
White	301 29.6%	306 28.8%	607 29.2%
Black	183 18.0%	214 20.2%	397 19.1%
Hispanic	518 50.9%	537 50.6%	1,055 50.7%
Other/Unknown	15 1.5%	5 0.5%	20 1.0%

AGE AT DIAGNOSIS[‡]	1,017	1,062	--
Under 13	37 3.6%	13 1.2%	--
13 - 19	28 2.8%	13 1.2%	--
20 - 29	252 24.8%	131 12.3%	--
30 - 39	380 37.4%	467 44.0%	--
40 - 49	230 22.6%	340 32.0%	--
Over 49	90 8.8%	98 9.2%	--

*These numbers only include residents of Massachusetts. Non-residents and individuals incarcerated at the time of diagnosis are not included.

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[&]Risk of partner is unknown and primary risk categories have been denied; definition revised 7/1/99.

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MASSACHUSETTS HIV/AIDS SURVEILLANCE PROGRAM

HIV/AIDS SUMMARY REPORT

ALIVE CASES AS OF OCTOBER 1, 2008

	HIV	AIDS	HIV/AIDS
Prisoners*	387	545	932
	No. %	No. %	No. %
MODE OF EXPOSURE (adults)	387	545	932
Male Sex w/Male	28 7.2%	28 5.1%	56 6.0%
Injection Drug Use	247 63.8%	414 76.0%	661 70.9%
Male/Male Sex & IDU	20 5.2%	28 5.1%	48 5.2%
Receipt of blood/products	1 0.3%	0 0.0%	1 0.1%
Heterosexual Sex	22 5.7%	23 4.2%	45 4.8%
Presumed Het-Unk Risk of Prtnr ^{&}	49 12.7%	29 5.3%	78 8.4%
Undetermined/Other	20 5.2%	23 4.2%	43 4.6%
MODE OF EXPOSURE (pediatric)	0	0	0
Mother w/HIV/at risk for HIV	0	0	0
Receipt of blood/products	0	0	0
Undetermined	0	0	0
GENDER	387	545	932
Male	327 84.5%	486 89.2%	813 87.2%
Female	60 15.5%	59 10.8%	119 12.8%
RACE/ETHNICITY	387	545	932
White	122 31.5%	142 26.1%	264 28.3%
Black	114 29.5%	171 31.4%	285 30.6%
Hispanic	147 38.0%	230 42.2%	377 40.5%
Other/Unknown	4 1.0%	2 0.4%	6 0.6%
AGE AT DIAGNOSIS[‡]	387	545	--
Under 13	0 0.0%	0 0.0%	--
13 - 19	13 3.4%	5 0.9%	--
20 - 29	127 32.8%	90 16.5%	--
30 - 39	167 43.2%	269 49.4%	--
40 - 49	69 17.8%	163 29.9%	--
Over 49	11 2.8%	18 3.3%	--

*Cases diagnosed while the individual is in a correctional facility.

[&]Risk of partner is unknown and primary risk categories have been denied; definition revised 7/1/99.

[‡]HIV infection and the first AIDS-defining condition are not always diagnosed at the same point in time; age at diagnosis numbers are not combined when people who are HIV-infected only and those who have progressed to AIDS are described together.-Rev 7/1/2001

Massachusetts HIV/AIDS Surveillance Program

TRENDS IN MASSACHUSETTS HIV AND AIDS BY YEAR OF DIAGNOSIS OF HIV INFECTION †

Cumulative Cases reported as of 10/01/2008

HIV Surveillance Began

Mode of Exposure	<=1998 [§]	1999	2000	2001	2002	2003	2004	2005	2006*	TOTAL**
Male Sex w/Male	7,630 37.2%	385 28.4%	366 29.7%	320 30.9%	345 31.2%	328 33.4%	314 32.2%	330 37.0%	307 40.6%	10,591 35.7%
Injection Drug Use	7,217 35.2%	401 29.5%	273 22.2%	205 19.8%	201 18.2%	153 15.6%	156 16.0%	129 14.4%	90 11.9%	8,925 30.1%
MSM & IDU	879 4.3%	41 3.0%	30 2.4%	31 3.0%	25 2.3%	27 2.8%	21 2.2%	22 2.5%	12 1.6%	1,105 3.7%
Rec. of blood/prod.	372 1.8%	4 0.3%	6 0.5%	4 0.4%	3 0.3%	3 0.3%	1 0.1%	0 0.0%	0 0.0%	395 1.3%
Heterosexual	2,065 10.1%	206 15.2%	203 16.5%	171 16.5%	185 16.7%	125 12.7%	123 12.6%	103 11.5%	79 10.4%	3,330 11.2%
Sex w/IDU	1,027 5.0%	71 5.2%	75 6.1%	48 4.6%	63 5.7%	43 4.4%	39 4.0%	29 3.2%	21 2.8%	1,435 4.8%
Sex w/Bi Male	47 0.2%	4 0.3%	6 0.5%	2 0.2%	4 0.4%	1 0.1%	0 0.0%	2 0.2%	0 0.0%	68 0.2%
Sex w/bld/prdt recip.	41 0.2%	1 0.1%	1 0.1%	1 0.1%	3 0.3%	0 0.0%	2 0.2%	0 0.0%	0 0.0%	50 0.2%
Sex w/HIV/AIDS	950 4.6%	130 9.6%	121 9.8%	120 11.6%	115 10.4%	81 8.3%	82 8.4%	72 8.1%	58 7.7%	1,777 6.0%
Undetermined/Other	1,966 9.6%	303 22.3%	340 27.6%	294 28.4%	342 31.0%	335 34.1%	349 35.8%	305 34.2%	265 35.0%	4,806 16.2%
Presumed Hetero-Unk risk of partner***	1,316 6.4%	241 17.7%	260 21.1%	208 20.1%	255 23.1%	219 22.3%	233 23.9%	196 21.9%	180 23.8%	3,301 11.1%
Undetermined/Other****	650 3.2%	62 4.6%	80 6.5%	86 8.3%	87 7.9%	116 11.8%	116 11.9%	109 12.2%	85 11.2%	1,505 5.1%
Pediatric	402 2.0%	18 1.3%	14 1.1%	9 0.9%	4 0.4%	10 1.0%	10 1.0%	4 0.4%	4 0.5%	476 1.6%
TOTAL (% of total)	20,531 69.3%	1,358 4.6%	1,232 4.2%	1,034 3.5%	1,105 3.7%	981 3.3%	974 3.3%	893 3.0%	757 2.6%	29,628 100.0%

TRENDS IN BOSTON HIV AND AIDS BY YEAR OF DIAGNOSIS OF HIV INFECTION †

Cumulative Cases reported as of 10/01/2008 (Individuals reported from correctional facilities not included)

HIV Surveillance Began

Mode of Exposure	<=1998 [§]	1999	2000	2001	2002	2003	2004	2005	2006*	TOTAL**
Male Sex w/Male	3,163 48.7%	132 37.7%	132 35.7%	126 42.4%	138 42.5%	116 39.7%	125 46.0%	131 50.6%	118 54.9%	4,266 47.0%
Injection Drug Use	1,671 25.7%	70 20.0%	61 16.5%	38 12.8%	39 12.0%	33 11.3%	26 9.6%	23 8.9%	13 6.0%	1,997 22.0%
MSM & IDU	281 4.3%	11 3.1%	9 2.4%	6 2.0%	11 3.4%	7 2.4%	6 2.2%	5 1.9%	6 2.8%	345 3.8%
Rec. of blood/prod.	68 1.0%	4 1.1%	1 0.3%	1 0.3%	1 0.3%	0 0.0%	1 0.4%	0 0.0%	0 0.0%	77 0.8%
Heterosexual	542 8.3%	52 14.9%	51 13.8%	40 13.5%	55 16.9%	35 12.0%	20 7.4%	24 9.3%	16 7.4%	851 9.4%
Sex w/IDU	220 3.4%	12 3.4%	18 4.9%	9 3.0%	15 4.6%	11 3.8%	3 1.1%	2 0.8%	0 0.0%	292 3.2%
Sex w/Bi Male	7 0.1%	1 0.3%	1 0.3%	1 0.3%	1 0.3%	1 0.3%	0 0.0%	0 0.0%	0 0.0%	13 0.1%
Sex w/bld/prdt recip.	4 0.1%	0 0.0%	0 0.0%	0 0.0%	2 0.6%	0 0.0%	1 0.4%	0 0.0%	0 0.0%	7 0.1%
Sex w/HIV/AIDS	311 4.8%	39 11.1%	32 8.6%	30 10.1%	37 11.4%	23 7.9%	16 5.9%	22 8.5%	16 7.4%	539 5.9%
Undetermined/Other	667 10.3%	78 22.3%	113 30.5%	86 29.0%	81 24.9%	99 33.9%	93 34.2%	73 28.2%	61 28.4%	1,420 15.7%
Presumed Hetero-Unk risk of partner***	470 7.2%	66 18.9%	87 23.5%	63 21.2%	64 19.7%	66 22.6%	59 21.7%	44 17.0%	44 20.5%	1,005 11.1%
Undetermined/Other****	197 3.0%	12 3.4%	26 7.0%	23 7.7%	17 5.2%	33 11.3%	34 12.5%	29 11.2%	17 7.9%	415 4.6%
Pediatric	101 1.6%	3 0.9%	3 0.8%	0 0.0%	0 0.0%	2 0.7%	1 0.4%	3 1.2%	1 0.5%	114 1.3%
TOTAL (% of total)	6,493 71.6%	350 3.9%	370 4.1%	297 3.3%	325 3.6%	292 3.2%	272 3.0%	259 2.9%	215 2.4%	9,070 100.0%

† Reflects year of first reported diagnosis (which may not reflect first actual diagnosis) for HIV infection among all individuals reported with HIV infection, with or without an AIDS diagnosis

§ Includes individuals diagnosed with AIDS, as well as individuals previously diagnosed with HIV infection (non-AIDS) who were alive and in care on January 1, 1999

*Due to prolonged reporting delays from regulation changes, 2006 numbers are still considered preliminary.

**Row totals include cases diagnosed in 2007 & 2008.

*** Risk of partner unknown and primary risks denied; definition revised 7/1/99.

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

Massachusetts HIV/AIDS Surveillance Program

TRENDS IN MASSACHUSETTS AIDS CASES BY RISK FACTOR AND YEAR OF DIAGNOSIS

Cumulative Cases reported as of 10/01/2008

Mode of Exposure	<=1998	1999	2000	2001	2002	2003	2004	2005	2006*	TOTAL**
Male Sex w/Male	5,982 39.3%	238 25.1%	179 22.3%	172 24.0%	174 24.9%	147 24.5%	166 25.4%	174 27.7%	181 32.8%	7,587 35.5%
Injection Drug Use	5,269 34.6%	381 40.2%	277 34.6%	215 29.9%	196 28.0%	172 28.7%	164 25.1%	161 25.6%	98 17.8%	7,043 33.0%
MSM & IDU	667 4.4%	32 3.4%	19 2.4%	32 4.5%	26 3.7%	18 3.0%	24 3.7%	19 3.0%	16 2.9%	865 4.0%
Rec. of blood/prod.	347 2.3%	2 0.2%	4 0.5%	4 0.6%	3 0.4%	2 0.3%	2 0.3%	0 0.0%	1 0.2%	365 1.7%
Heterosexual	1,410 9.3%	112 11.8%	136 17.0%	111 15.5%	115 16.5%	88 14.7%	85 13.0%	86 13.7%	76 13.8%	2,285 10.7%
Sex w/IDU	680 4.5%	45 4.7%	57 7.1%	39 5.4%	43 6.2%	32 5.3%	30 4.6%	27 4.3%	31 5.6%	1,006 4.7%
Sex w/Bi Male	39 0.3%	0 0.0%	2 0.2%	0 0.0%	1 0.1%	0 0.0%	2 0.3%	0 0.0%	0 0.0%	44 0.2%
Sex w/bld/prdt recip.	35 0.2%	1 0.1%	2 0.2%	0 0.0%	2 0.3%	1 0.2%	0 0.0%	1 0.2%	0 0.0%	43 0.2%
Sex w/HIV/AIDS	656 4.3%	66 7.0%	75 9.4%	72 10.0%	69 9.9%	55 9.2%	53 8.1%	58 9.2%	45 8.2%	1,192 5.6%
Undetermined/Other	1,324 8.7%	180 19.0%	180 22.5%	175 24.4%	178 25.5%	166 27.7%	204 31.2%	184 29.3%	176 31.9%	2,948 13.8%
Presumed Hetero-Unk risk of partner***	826 5.4%	154 16.2%	147 18.4%	130 18.1%	133 19.0%	109 18.2%	139 21.3%	120 19.1%	127 23.0%	2,002 9.4%
Undetermined/Other****	498 3.3%	26 2.7%	33 4.1%	45 6.3%	45 6.4%	57 9.5%	65 10.0%	64 10.2%	49 8.9%	946 4.4%
Pediatric	220 1.4%	3 0.3%	6 0.7%	9 1.3%	7 1.0%	7 1.2%	8 1.2%	4 0.6%	4 0.7%	281 1.3%
TOTAL (% of total)	15,219 71.2%	948 4.4%	801 3.7%	718 3.4%	699 3.3%	600 2.8%	653 3.1%	628 2.9%	552 2.6%	21,374 100.0%

TRENDS IN BOSTON AIDS CASES BY RISK FACTOR AND YEAR OF DIAGNOSIS

Cumulative Cases reported as of 10/01/2008 &

Mode of Exposure	<=1998	1999	2000	2001	2002	2003	2004	2005	2006*	TOTAL**
Male Sex w/Male	2,502 49.4%	79 35.9%	67 30.2%	57 31.3%	61 32.4%	46 25.7%	51 32.1%	62 40.3%	63 45.3%	3,051 45.9%
Injection Drug Use	1,316 26.0%	59 26.8%	53 23.9%	44 24.2%	39 20.7%	50 27.9%	33 20.8%	26 16.9%	19 13.7%	1,654 24.9%
MSM & IDU	208 4.1%	6 2.7%	6 2.7%	10 5.5%	6 3.2%	7 3.9%	8 5.0%	3 1.9%	4 2.9%	263 4.0%
Rec. of blood/prod.	64 1.3%	2 0.9%	0 0.0%	1 0.5%	1 0.5%	0 0.0%	1 0.6%	0 0.0%	0 0.0%	69 1.0%
Heterosexual	420 8.3%	27 12.3%	31 14.0%	20 11.0%	33 17.6%	25 14.0%	22 13.8%	17 11.0%	11 7.9%	618 9.3%
Sex w/IDU	172 3.4%	6 2.7%	11 5.0%	5 2.7%	11 5.9%	6 3.4%	7 4.4%	4 2.6%	1 0.7%	226 3.4%
Sex w/Bi Male	5 0.1%	0 0.0%	1 0.5%	0 0.0%	1 0.5%	0 0.0%	1 0.6%	0 0.0%	0 0.0%	8 0.1%
Sex w/bld/prdt recip.	3 0.1%	0 0.0%	0 0.0%	0 0.0%	2 1.1%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	5 0.1%
Sex w/HIV/AIDS	240 4.7%	21 9.5%	19 8.6%	15 8.2%	19 10.1%	19 10.6%	14 8.8%	13 8.4%	10 7.2%	379 5.7%
Undetermined/Other	499 9.8%	47 21.4%	63 28.4%	49 26.9%	47 25.0%	51 28.5%	43 27.0%	43 27.9%	41 29.5%	925 13.9%
Presumed Hetero-Unk risk of partner***	338 6.7%	41 18.6%	48 21.6%	36 19.8%	38 20.2%	33 18.4%	24 15.1%	29 18.8%	33 23.7%	648 9.7%
Undetermined/Other****	161 3.2%	6 2.7%	15 6.8%	13 7.1%	9 4.8%	18 10.1%	19 11.9%	14 9.1%	8 5.8%	277 4.2%
Pediatric	60 1.2%	0 0.0%	2 0.9%	1 0.5%	1 0.5%	0 0.0%	1 0.6%	3 1.9%	1 0.7%	72 1.1%
TOTAL (% of total)	5,069 76.2%	220 3.3%	222 3.3%	182 2.7%	188 2.8%	179 2.7%	159 2.4%	154 2.3%	139 2.1%	6,652 100.0%

*Due to prolonged reporting delays from regulation changes, 2006 numbers are still considered preliminary.

**Row totals include cases diagnosed in 2007 & 2008.

*** Risk of partner unknown and primary risks denied; definition revised 7/1/99.

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

& Boston Cases do not include prisoners.

Massachusetts HIV/AIDS Surveillance Program
Massachusetts HIV and AIDS By Gender and Race/Ethnicity

MALES

Alive Cases as of 10/01/08

HIV

MODE OF EXPOSURE	WHITE	BLACK	HISPANIC	TOTAL*
	No. %	No. %	No. %	No. %
Male Sex w/Male	2,145 73.8%	313 27.3%	410 33.3%	2,922 54.2%
Injection Drug Use (IDU)	314 10.8%	240 21.0%	491 39.9%	1,056 19.6%
Male/Male Sex & IDU	150 5.2%	37 3.2%	38 3.1%	226 4.2%
Receipt of blood/products	14 0.5%	4 0.3%	1 0.1%	19 0.4%
Heterosexual:	53 1.8%	115 10.0%	78 6.3%	253 4.7%
Sex w/IDU	18 0.6%	24 2.1%	27 2.2%	70 1.3%
Sex w/recept of bld/prdts.	2 0.1%	0 0.0%	1 0.1%	4 0.1%
Sex w/HIV/AIDS	33 1.1%	91 7.9%	50 4.1%	179 3.3%
Undetermined:	212 7.3%	391 34.1%	178 14.5%	819 15.2%
Presumed Het-Unk Risk of Prtnr**	100 3.4%	265 23.1%	100 8.1%	488 9.0%
Undetermined/Other***	112 3.9%	126 11.0%	78 6.3%	331 6.1%
Pediatric	18 0.6%	45 3.9%	34 2.8%	98 1.8%
Total HIV Male (% of all cases)	2,906 53.9%	1,145 21.2%	1,230 22.8%	5,393 100.0%

AIDS

MODE OF EXPOSURE	WHITE	BLACK	HISPANIC	TOTAL*
	No. %	No. %	No. %	No. %
Male Sex w/Male	2,197 63.8%	407 23.8%	364 21.2%	3,024 43.2%
Injection Drug Use (IDU)	597 17.3%	458 26.8%	805 46.9%	1,867 26.7%
Male/Male Sex & IDU	184 5.3%	70 4.1%	79 4.6%	336 4.8%
Receipt of blood/products	44 1.3%	4 0.2%	4 0.2%	53 0.8%
Heterosexual:	96 2.8%	196 11.4%	160 9.3%	463 6.6%
Sex w/IDU	40 1.2%	38 2.2%	38 2.2%	117 1.7%
Sex w/recept of bld/prdts.	2 0.1%	3 0.2%	0 0.0%	5 0.1%
Sex w/HIV/AIDS	54 1.6%	155 9.1%	122 7.1%	341 4.9%
Undetermined:	307 8.9%	548 32.0%	275 16.0%	1,172 16.8%
Presumed Het-Unk Risk of Prtnr**	177 5.1%	399 23.3%	195 11.4%	795 11.4%
Undetermined/Other***	130 3.8%	149 8.7%	80 4.7%	377 5.4%
Pediatric	17 0.5%	29 1.7%	31 1.8%	77 1.1%
Total AIDS Male (% of all cases)	3,442 49.2%	1,712 24.5%	1,718 24.6%	6,992 100.0%

HIV/AIDS

MODE OF EXPOSURE	WHITE	BLACK	HISPANIC	TOTAL*
	No. %	No. %	No. %	No. %
Male Sex w/Male	4,342 68.4%	720 25.2%	774 26.3%	5,946 48.0%
Injection Drug Use (IDU)	911 14.4%	698 24.4%	1,296 44.0%	2,923 23.6%
Male/Male Sex & IDU	334 5.3%	107 3.7%	117 4.0%	562 4.5%
Receipt of blood/products	58 0.9%	8 0.3%	5 0.2%	72 0.6%
Heterosexual:	149 2.3%	311 10.9%	238 8.1%	716 5.8%
Sex w/IDU	58 0.9%	62 2.2%	65 2.2%	187 1.5%
Sex w/recept of bld/prdts.	4 0.1%	3 0.1%	1 0.0%	9 0.1%
Sex w/HIV/AIDS	87 1.4%	246 8.6%	172 5.8%	520 4.2%
Undetermined:	519 8.2%	939 32.9%	453 15.4%	1,991 16.1%
Presumed Het-Unk Risk of Prtnr**	277 4.4%	664 23.2%	295 10.0%	1,283 10.4%
Undetermined/Other***	242 3.8%	275 9.6%	158 5.4%	708 5.7%
Pediatric	35 0.6%	74 2.6%	65 2.2%	175 1.4%
Total HIV/AIDS Male (% of all cases)	6,348 51.3%	2,857 23.1%	2,948 23.8%	12,385 100.0%

*Row totals include other race/ethnicities and cases whose race/ethnicity is unknown.

**Risk of partner is unknown and primary risk categories have been denied; definition revised 7/1/99.

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

Massachusetts HIV/AIDS Surveillance Program
Massachusetts HIV and AIDS By Gender and Race/Ethnicity

Alive Cases as of 10/01/08

FEMALES

HIV

MODE OF EXPOSURE	WHITE		BLACK		HISPANIC		TOTAL*	
	No.	%	No.	%	No.	%	No.	%
Injection Drug Use (IDU)	281	42.3%	122	12.6%	154	22.2%	559	23.5%
Receipt of blood/products	2	0.3%	3	0.3%	1	0.1%	6	0.3%
Heterosexual:	199	30.0%	245	25.4%	289	41.6%	749	31.4%
Sex w/IDU	103	15.5%	64	6.6%	162	23.3%	337	14.1%
Sex W/Bi Male	10	1.5%	7	0.7%	6	0.9%	23	1.0%
Sex w/recept of bld/prdts.	1	0.2%	1	0.1%	1	0.1%	3	0.1%
Sex w/HIV/AIDS	85	12.8%	173	17.9%	120	17.3%	386	16.2%
Undetermined:	157	23.6%	555	57.5%	220	31.7%	972	40.8%
Presumed Het-Unk Risk of Prtnr**	119	17.9%	465	48.2%	163	23.5%	769	32.3%
Other Undetermined***	38	5.7%	90	9.3%	57	8.2%	203	8.5%
Pediatric	25	3.8%	40	4.1%	30	4.3%	97	4.1%
Total HIV (% of all cases)	664	27.9%	965	40.5%	694	29.1%	2,383	100.0%

AIDS

MODE OF EXPOSURE	WHITE		BLACK		HISPANIC		TOTAL*	
	No.	%	No.	%	No.	%	No.	%
Injection Drug Use (IDU)	380	51.2%	193	17.6%	246	33.6%	826	31.7%
Receipt of blood/products	10	1.3%	6	0.5%	5	0.7%	22	0.8%
Heterosexual:	208	28.0%	363	33.1%	325	44.4%	912	35.0%
Sex w/IDU	113	15.2%	97	8.8%	201	27.5%	413	15.9%
Sex W/Bi Male	9	1.2%	7	0.6%	3	0.4%	19	0.7%
Sex w/recept of bld/prdts.	7	0.9%	6	0.5%	0	0.0%	14	0.5%
Sex w/HIV/AIDS	79	10.6%	253	23.1%	121	16.5%	466	17.9%
Undetermined:	129	17.4%	510	46.5%	139	19.0%	788	30.2%
Presumed Het-Unk Risk of Prtnr**	98	13.2%	436	39.7%	113	15.4%	652	25.0%
Other Undetermined***	31	4.2%	74	6.7%	26	3.6%	136	5.2%
Pediatric	15	2.0%	25	2.3%	17	2.3%	57	2.2%
Total AIDS (% of all cases)	742	28.5%	1,097	42.1%	732	28.1%	2,605	100.0%

HIV/AIDS

MODE OF EXPOSURE	WHITE		BLACK		HISPANIC		TOTAL*	
	No.	%	No.	%	No.	%	No.	%
Injection Drug Use (IDU)	661	47.0%	315	15.3%	400	28.1%	1,385	27.8%
Receipt of blood/products	12	0.9%	9	0.4%	6	0.4%	28	0.6%
Heterosexual:	407	28.9%	608	29.5%	614	43.1%	1,661	33.3%
Sex w/IDU	216	15.4%	161	7.8%	363	25.5%	750	15.0%
Sex W/Bi Male	19	1.4%	14	0.7%	9	0.6%	42	0.8%
Sex w/recept of bld/prdts.	8	0.6%	7	0.3%	1	0.1%	17	0.3%
Sex w/HIV/AIDS	164	11.7%	426	20.7%	241	16.9%	852	17.1%
Undetermined:	286	20.3%	1,065	51.6%	359	25.2%	1,760	35.3%
Presumed Het-Unk Risk of Prtnr**	217	15.4%	901	43.7%	276	19.4%	1,421	28.5%
Other Undetermined***	69	4.9%	164	8.0%	83	5.8%	339	6.8%
Pediatric	40	2.8%	65	3.2%	47	3.3%	154	3.1%
Total HIV/AIDS (% of all cases)	1,406	28.2%	2,062	41.3%	1,426	28.6%	4,988	100.0%

*Row totals include other race/ethnicities and cases whose race/ethnicity is unknown.

**Risk of partner is unknown and primary risk categories have been denied; definition revised 7/1/99.

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

**Massachusetts HIV/AIDS Surveillance Program
MASSACHUSETTS HIV/AIDS Cases by County**

ALIVE CASES AS OF OCTOBER 1, 2008

COUNTY*	Population	HIV		AIDS		HIV/AIDS		Alive Case Rate**
		No.	%	No.	%	No.	%	No.
Barnstable	222,230	273	3.7%	337	3.7%	610	3.7%	274
Berkshire	134,953	60	0.8%	57	0.6%	117	0.7%	87
Bristol	534,678	439	5.9%	643	7.1%	1,082	6.6%	202
Essex	723,419	574	7.8%	788	8.7%	1,362	8.3%	188
Franklin	71,535	25	0.3%	35	0.4%	60	0.4%	84
Hampden	456,228	874	11.8%	895	9.9%	1,769	10.8%	388
Hampshire	152,251	55	0.7%	75	0.8%	130	0.8%	85
Islands***	24,507	23	0.3%	27	0.3%	50	0.3%	204
Middlesex	1,465,396	1,319	17.9%	1,475	16.3%	2,794	17.0%	191
Norfolk	650,308	354	4.8%	393	4.3%	747	4.5%	115
Plymouth	472,822	277	3.8%	376	4.2%	653	4.0%	138
Suffolk	689,807	2,495	33.8%	3,028	33.5%	5,523	33.6%	801
Worcester	750,963	616	8.3%	923	10.2%	1,539	9.4%	205
Total	6,349,097	7,384	100.0%	9,052	100.0%	16,436	100.0%	259

* Persons diagnosed while in MA prisons or residing in unidentified locations are not included.

** Per 100,000 -- 2000 US Census (MassCHIP)

***Islands=Dukes + Nantucket Counties