

HIV SURVEILLANCE MID-YEAR REPORT, 2019

HIV EPIDEMIOLOGY PROGRAM

New York City Department of Health and Mental Hygiene Published May 2020



This report provides an overview of the HIV epidemic in New York City (NYC) using HIV surveillance data for the period January 1 through June 30, 2019. Data are based on information received by the NYC Department of Health and Mental Hygiene (DOHMH) as of September 30, 2019. These data represent a mid-year “snapshot” of select statistics related to HIV in NYC. Caution is encouraged when extrapolating to project full-year data as full-year data published in December each year represent additional data collection and investigation efforts by the DOHMH HIV Surveillance Unit.

DEMOGRAPHIC AND CLINICAL CHARACTERISTICS

HIV/AIDS diagnoses and deaths occurring January 1, 2019 through June 30, 2019; and people diagnosed with HIV, reported in New York City, and presumed to be living as of June 30, 2019¹

	HIV diagnoses ²							AIDS diagnoses ⁴		PLWH as of 6/30/2019		Deaths ⁵	
	Total		Without AIDS		Concurrent with AIDS diagnosis ³			N	%	N	%	N	%
	N	%	N	%	N	%	Row %						
Total	876	100.0	725	100.0	151	100.0	17.2	535	100.0	127,823	100.0	707	100.0
Gender													
Men	693	79.1	580	80.0	113	74.8	16.3	362	67.7	92,535	72.4	490	69.3
Women	157	17.9	119	16.4	38	25.2	24.2	158	29.5	33,306	26.1	210	29.7
Transgender	26	3.0	26	3.6	0	0.0	0.0	15	2.8	1,982	1.6	7	1.0
Race/Ethnicity⁶													
Black	401	45.8	333	45.9	68	45.0	17.0	279	52.1	55,511	43.4	351	49.6
Latino/Hispanic	328	37.4	268	37.0	60	39.7	18.3	184	34.4	42,202	33.0	244	34.5
White	95	10.8	86	11.9	9	6.0	9.5	45	8.4	25,998	20.3	95	13.4
Asian/Pacific Islander	35	4.0	25	3.4	10	6.6	28.6	20	3.7	3,089	2.4	9	1.3
Native American	1	0.1	1	0.1	0	0.0	0.0	1	0.2	295	0.2	3	0.4
Multiracial	16	1.8	12	1.7	4	2.6	25.0	6	1.1	408	0.3	5	0.7
Unknown	0	0.0	0	0.0	0	0.0	0.0	0	0.0	320	0.3	0	0.0
Age group (years)⁷													
0-12	0	0.0	0	0.0	0	0.0	0.0	0	0.0	68	0.1	0	0.0
13-19	25	2.9	23	3.2	2	1.3	8.0	3	0.6	350	0.3	0	0.0
20-29	315	36.0	285	39.3	30	19.9	9.5	90	16.8	8,622	6.7	8	1.1
30-39	235	26.8	195	26.9	40	26.5	17.0	137	25.6	20,090	15.7	53	7.5
40-49	142	16.2	108	14.9	34	22.5	23.9	109	20.4	24,243	19.0	87	12.3
50-59	104	11.9	72	9.9	32	21.2	30.8	122	22.8	40,492	31.7	203	28.7
60+	55	6.3	42	5.8	13	8.6	23.6	74	13.8	33,958	26.6	356	50.4
Borough of residence⁸													
Bronx	230	26.3	186	25.7	44	29.1	19.1	167	31.2	31,020	24.3	226	32.0
Brooklyn	237	27.1	198	27.3	39	25.8	16.5	143	26.7	30,485	23.8	179	25.3
Manhattan	182	20.8	153	21.1	29	19.2	15.9	110	20.6	32,767	25.6	158	22.3
Queens	144	16.4	118	16.3	26	17.2	18.1	66	12.3	18,692	14.6	79	11.2
Staten Island	19	2.2	15	2.1	4	2.6	21.1	8	1.5	2,539	2.0	14	2.0
Outside NYC	59	6.7	50	6.9	9	6.0	15.3	39	7.3	12,148	9.5	19	2.7
Unknown	5	0.6	5	0.7	0	0.0	0.0	2	0.4	172	0.1	32	4.5
Area-based poverty level⁹													
Low poverty (<10% below FPL)	72	8.2	62	8.6	10	6.6	13.9	39	7.3	10,931	8.6	37	5.2
Medium poverty (10 to <20% below FPL)	288	32.9	235	32.4	53	35.1	18.4	151	28.2	42,534	33.3	189	26.7
High poverty (20 to <30% below FPL)	228	26.0	190	26.2	38	25.2	16.7	137	25.6	29,207	22.8	174	24.6
Very high poverty (≥30% below FPL)	223	25.5	182	25.1	41	27.2	18.4	167	31.2	31,525	24.7	254	35.9
Area-based poverty level not available	65	7.4	56	7.7	9	6.0	13.8	41	7.7	13,626	10.7	53	7.5
Transmission risk¹⁰													
Men who have sex with men (MSM)	437	49.9	376	51.9	61	40.4	14.0	188	35.1	53,699	42.0	169	23.9
Injection drug use history (IDU)	13	1.5	12	1.7	1	0.7	7.7	35	6.5	14,517	11.4	195	27.6
MSM-IDU	10	1.1	9	1.2	1	0.7	10.0	11	2.1	3,159	2.5	21	3.0
Heterosexual contact	133	15.2	96	13.2	37	24.5	27.8	122	22.8	25,012	19.6	141	19.9
Transgender people with sexual contact	23	2.6	23	3.2	0	0.0	0.0	14	2.6	1,701	1.3	5	0.7
Perinatal	0	0.0	0	0.0	0	0.0	0.0	8	1.5	2,566	2.0	2	0.3
Other	0	0.0	0	0.0	0	0.0	0.0	0	0.0	198	0.2	1	0.1
Unknown	260	29.7	209	28.8	51	33.8	19.6	157	29.3	26,971	21.1	173	24.5

PLWH=People living with HIV; FPL=Federal poverty level; n/a=Not applicable. All percents are column percents unless otherwise indicated. ¹For events reported by September 30, 2019. ²Excludes people known to have been diagnosed outside of NYC. ³HIV diagnosed concurrently with AIDS (within 31 days of HIV diagnosis). Row percent is percent of total HIV diagnoses that were concurrent with AIDS diagnoses. ⁴AIDS was diagnosed in first half of 2019 and includes concurrent HIV/AIDS diagnosis. ⁵Includes deaths from any cause in people with HIV. Death data for 2019 are incomplete. ⁶See http://www1.nyc.gov/assets/doh/downloads/pdf/ah/new_race_def_dec2010.pdf for technical notes on race/ethnicity. ⁷For HIV and AIDS diagnoses, age at diagnosis; for PLWH, age as of June 30, 2019; and for deaths, age at death. ⁸For HIV and AIDS diagnoses, residence at diagnosis. For PLWH and deaths, residence based on most recent record available. ⁹Area-based poverty based on NYC ZIP code of residence at diagnosis or most recent (see footnote 8) and defined as percent of population in a given ZIP code whose household income is below the Federal Poverty Level, with income data from the American Community Survey. Not available for people missing ZIP code information or living outside NYC. ¹⁰"Heterosexual contact" includes people who had heterosexual sex with a person they know to be living with HIV, a person who has injected drugs, or a person who has received blood products. For women only, also includes history of sex work, multiple sex partners, sexually transmitted disease, crack/cocaine use, sex with a bisexual man, probable heterosexual transmission as noted in medical chart, or sex with a man and negative history of injection drug use. "Transgender people with sexual contact" includes people identified as transgender by self-report, diagnosing provider, or medical chart review with sexual contact reported and negative history of injection drug use. "Other" includes people who received treatment for hemophilia, people who received a transfusion or transplant, and children with a non-perinatal transmission risk.

HIV AMONG MEN



HIV/AIDS diagnoses and deaths among men¹, January 1, 2019 through June 30, 2019; and men diagnosed with HIV, reported in New York City, and presumed to be living as of June 30, 2019²

	HIV diagnoses ³							AIDS diagnoses ⁵		PLWH as of 6/30/2019		Deaths ⁶	
	Total		Without AIDS		Concurrent with AIDS diagnosis ⁴			N	%	N	%	N	%
	N	%	N	%	N	%	Row %						
Total	694	100.0	581	100.0	113	100.0	16.3	363	100.0	92,569	100.0	490	100.0
Race/Ethnicity⁷													
Black	291	41.9	247	42.5	44	38.9	15.1	166	45.7	35,086	37.9	218	44.5
Latino/Hispanic	276	39.8	225	38.7	51	45.1	18.5	143	39.4	30,668	33.1	178	36.3
White	82	11.8	75	12.9	7	6.2	8.5	32	8.8	23,445	25.3	80	16.3
Asian/Pacific Islander	30	4.3	22	3.8	8	7.1	26.7	16	4.4	2,579	2.8	9	1.8
Native American	1	0.1	1	0.2	0	0.0	0.0	1	0.3	220	0.2	1	0.2
Multiracial	14	2.0	11	1.9	3	2.7	21.4	5	1.4	325	0.4	4	0.8
Unknown	0	0.0	0	0.0	0	0.0	0.0	0	0.0	246	0.3	0	0.0
Age group (years)⁸													
0-12	0	0.0	0	0.0	0	0.0	0.0	0	0.0	34	0.0	0	0.0
13-19	20	2.9	19	3.3	1	0.9	5.0	1	0.3	207	0.2	0	0.0
20-29	271	39.0	246	42.3	25	22.1	9.2	67	18.5	6,536	7.1	8	1.6
30-39	194	28.0	160	27.5	34	30.1	17.5	100	27.5	15,733	17.0	40	8.2
40-49	102	14.7	79	13.6	23	20.4	22.5	66	18.2	17,069	18.4	56	11.4
50-59	67	9.7	45	7.7	22	19.5	32.8	79	21.8	28,598	30.9	131	26.7
60+	40	5.8	32	5.5	8	7.1	20.0	50	13.8	24,392	26.4	255	52.0
Borough of residence⁹													
Bronx	178	25.6	145	25.0	33	29.2	18.5	108	29.8	19,304	20.9	154	31.4
Brooklyn	182	26.2	153	26.3	29	25.7	15.9	90	24.8	20,386	22.0	116	23.7
Manhattan	157	22.6	134	23.1	23	20.4	14.6	81	22.3	27,609	29.8	113	23.1
Queens	113	16.3	94	16.2	19	16.8	16.8	51	14.0	13,720	14.8	58	11.8
Staten Island	13	1.9	12	2.1	1	0.9	7.7	3	0.8	1,645	1.8	8	1.6
Outside NYC	46	6.6	38	6.5	8	7.1	17.4	28	7.7	9,765	10.5	16	3.3
Unknown	5	0.7	5	0.9	0	0.0	0.0	2	0.6	140	0.2	25	5.1
Area-based poverty level¹⁰													
Low poverty (<10% below FPL)	57	8.2	50	8.6	7	6.2	12.3	30	8.3	8,631	9.3	30	6.1
Medium poverty (10 to <20% below FPL)	236	34.0	194	33.4	42	37.2	17.8	107	29.5	32,391	35.0	140	28.6
High poverty (20 to <30% below FPL)	183	26.4	159	27.4	24	21.2	13.1	83	22.9	20,522	22.2	113	23.1
Very high poverty (≥30% below FPL)	166	23.9	134	23.1	32	28.3	19.3	113	31.1	20,092	21.7	165	33.7
Area-based poverty level not available	52	7.5	44	7.6	8	7.1	15.4	30	8.3	10,933	11.8	42	8.6
Transmission risk¹¹													
Men who have sex with men (MSM)	437	63.0	376	64.7	61	54.0	14.0	188	51.8	53,699	58.0	169	34.5
Injection drug use history (IDU)	5	0.7	4	0.7	1	0.9	20.0	20	5.5	9,406	10.2	119	24.3
MSM-IDU	10	1.4	9	1.5	1	0.9	10.0	11	3.0	3,159	3.4	21	4.3
Heterosexual contact	33	4.8	22	3.8	11	9.7	33.3	26	7.2	6,082	6.6	41	8.4
Transgender people with sexual contact	0	0.0	0	0.0	0	0.0	0.0	1	0.3	21	0.0	0	0.0
Perinatal	0	0.0	0	0.0	0	0.0	0.0	4	1.1	1,251	1.4	2	0.4
Other	0	0.0	0	0.0	0	0.0	0.0	0	0.0	110	0.1	0	0.0
Unknown	209	30.1	170	29.3	39	34.5	18.7	113	31.1	18,841	20.4	138	28.2

PLWH=People living with HIV; FPL=Federal poverty level; n/a=Not applicable. All percents are column percents unless otherwise indicated. ¹Includes transgender men. ²For events reported by September 30, 2019. ³Excludes people known to have been diagnosed outside of NYC. ⁴HIV diagnosed concurrently with AIDS (within 31 days of HIV diagnosis). Row percent is percent of total HIV diagnoses that were concurrent with AIDS diagnoses. ⁵AIDS was diagnosed in first half of 2019 and includes concurrent HIV/AIDS diagnosis. ⁶Includes deaths from any cause in people with HIV. Death data for 2019 are incomplete. ⁷For technical notes on race/ethnicity: http://www1.nyc.gov/assets/doh/downloads/pdf/ah/new_race_def_dec2010.pdf. ⁸For HIV and AIDS diagnoses, age at diagnosis; for PLWH, age as of June 30, 2019; and for deaths, age at death. ⁹For HIV and AIDS diagnoses, residence at diagnosis. For PLWH and deaths, residence based on most recent record available. ¹⁰Area-based poverty based on NYC ZIP code of residence at diagnosis or most recent (see footnote 9) and defined as percent of population in a given ZIP code whose household income is below the Federal Poverty Level, with income data from the American Community Survey. Not available for people missing ZIP code information or living outside NYC. ¹¹"Heterosexual contact" includes people who had heterosexual sex with a person they know to be living with HIV, a person who has injected drugs, or a person who has received blood products. For women only, also includes history of sex work, multiple sex partners, sexually transmitted disease, crack/cocaine use, sex with a bisexual man, probable heterosexual transmission as noted in medical chart, or sex with a man and negative history of injection drug use. "Transgender people with sexual contact" includes people identified as transgender by self-report, diagnosing provider, or medical chart review with sexual contact reported and negative history of injection drug use. "Other" includes people who received treatment for hemophilia, people who received a transfusion or transplant, and children with a non-perinatal transmission risk.

HIV AMONG WOMEN



HIV/AIDS diagnoses and deaths among women¹, January 1, 2019 through June 30, 2019; and women diagnosed with HIV, reported in New York City, and presumed to be living as of June 30, 2019²

	HIV diagnoses ³							AIDS diagnoses ⁵		PLWH as of 6/30/2019		Deaths ⁶	
	Total		Without AIDS		Concurrent with AIDS diagnosis ⁴			N	%	N	%	N	%
	N	%	N	%	N	%	Row %						
Total	182	100.0	144	100.0	38	100.0	20.9	172	100.0	35,254	100.0	217	100.0
Race/Ethnicity⁷													
Black	110	60.4	86	59.7	24	63.2	21.8	113	65.7	20,425	57.9	133	61.3
Latino/Hispanic	52	28.6	43	29.9	9	23.7	17.3	41	23.8	11,534	32.7	66	30.4
White	13	7.1	11	7.6	2	5.3	15.4	13	7.6	2,553	7.2	15	6.9
Asian/Pacific Islander	5	2.7	3	2.1	2	5.3	40.0	4	2.3	510	1.4	0	0.0
Native American	0	0.0	0	0.0	0	0.0	0.0	0	0.0	75	0.2	2	0.9
Multiracial	2	1.1	1	0.7	1	2.6	50.0	1	0.6	83	0.2	1	0.5
Unknown	0	0.0	0	0.0	0	0.0	0.0	0	0.0	74	0.2	0	0.0
Age group (years)⁸													
0-12	0	0.0	0	0.0	0	0.0	0.0	0	0.0	34	0.1	0	0.0
13-19	5	2.7	4	2.8	1	2.6	20.0	2	1.2	143	0.4	0	0.0
20-29	44	24.2	39	27.1	5	13.2	11.4	23	13.4	2,086	5.9	0	0.0
30-39	41	22.5	35	24.3	6	15.8	14.6	37	21.5	4,357	12.4	13	6.0
40-49	40	22.0	29	20.1	11	28.9	27.5	43	25.0	7,174	20.3	31	14.3
50-59	37	20.3	27	18.8	10	26.3	27.0	43	25.0	11,894	33.7	72	33.2
60+	15	8.2	10	6.9	5	13.2	33.3	24	14.0	9,566	27.1	101	46.5
Borough of residence⁹													
Bronx	52	28.6	41	28.5	11	28.9	21.2	59	34.3	11,716	33.2	72	33.2
Brooklyn	55	30.2	45	31.3	10	26.3	18.2	53	30.8	10,099	28.6	63	29.0
Manhattan	25	13.7	19	13.2	6	15.8	24.0	29	16.9	5,158	14.6	45	20.7
Queens	31	17.0	24	16.7	7	18.4	22.6	15	8.7	4,972	14.1	21	9.7
Staten Island	6	3.3	3	2.1	3	7.9	50.0	5	2.9	894	2.5	6	2.8
Outside NYC	13	7.1	12	8.3	1	2.6	7.7	11	6.4	2,383	6.8	3	1.4
Unknown	0	0.0	0	0.0	0	0.0	0.0	0	0.0	32	0.1	7	3.2
Area-based poverty level¹⁰													
Low poverty (<10% below FPL)	15	8.2	12	8.3	3	7.9	20.0	9	5.2	2,300	6.5	7	3.2
Medium poverty (10 to <20% below FPL)	52	28.6	41	28.5	11	28.9	21.2	44	25.6	10,143	28.8	49	22.6
High poverty (20 to <30% below FPL)	45	24.7	31	21.5	14	36.8	31.1	54	31.4	8,685	24.6	61	28.1
Very high poverty (≥30% below FPL)	57	31.3	48	33.3	9	23.7	15.8	54	31.4	11,433	32.4	89	41.0
Area-based poverty level not available	13	7.1	12	8.3	1	2.6	7.7	11	6.4	2,693	7.6	11	5.1
Transmission risk¹¹													
Injection drug use history (IDU)	8	4.4	8	5.6	0	0.0	0.0	15	8.7	5,111	14.5	76	35.0
Heterosexual contact	100	54.9	74	51.4	26	68.4	26.0	96	55.8	18,930	53.7	100	46.1
Transgender people with sexual contact	23	12.6	23	16.0	0	0.0	0.0	13	7.6	1,680	4.8	5	2.3
Perinatal	0	0.0	0	0.0	0	0.0	0.0	4	2.3	1,315	3.7	0	0.0
Other	0	0.0	0	0.0	0	0.0	0.0	0	0.0	88	0.2	1	0.5
Unknown	51	28.0	39	27.1	12	31.6	23.5	44	25.6	8,130	23.1	35	16.1

PLWH=People living with HIV; FPL=Federal poverty level; n/a=Not applicable. All percents are column percents unless otherwise indicated. ¹Includes transgender women. ²For events reported by September 30, 2019. ³Excludes people known to have been diagnosed outside of NYC. ⁴HIV diagnosed concurrently with AIDS (within 31 days of HIV diagnosis). Row percent is percent of total HIV diagnoses that were concurrent with AIDS diagnoses. ⁵AIDS was diagnosed in first half of 2019 and includes concurrent HIV/AIDS diagnosis. ⁶Includes deaths from any cause in people with HIV. Death data for 2019 are incomplete. ⁷For technical notes on race/ethnicity: http://www1.nyc.gov/assets/doh/downloads/pdf/ah/new_race_def_dec2010.pdf. ⁸For HIV and AIDS diagnoses, age at diagnosis; for PLWH, age as of June 30, 2019; and for deaths, age at death. ⁹For HIV and AIDS diagnoses, residence at diagnosis. For PLWH and deaths, residence based on most recent record available. ¹⁰Area-based poverty based on NYC ZIP code of residence at diagnosis or most recent (see footnote 9) and defined as percent of population in a given ZIP code whose household income is below the Federal Poverty Level, with income data from the American Community Survey. Not available for people missing ZIP code information or living outside NYC. ¹¹"Heterosexual contact" includes people who had heterosexual sex with a person they know to be living with HIV, a person who has injected drugs, or a person who has received blood products. For women only, also includes history of sex work, multiple sex partners, sexually transmitted disease, crack/cocaine use, sex with a bisexual man, probable heterosexual transmission as noted in medical chart, or sex with a man and negative history of injection drug use. "Transgender people with sexual contact" includes people identified as transgender by self-report, diagnosing provider, or medical chart review with sexual contact reported and negative history of injection drug use. "Other" includes people who received treatment for hemophilia, people who received a transfusion or transplant, and children with a non-perinatal transmission risk.