



Epi Data Tables

New York City Department of Health and Mental Hygiene

Updated
March 2015

August 2014, No. 50

Unintentional Drug Poisoning (Overdose) Deaths Involving Opioids in New York City, 2010-2013

Data Tables

- Table 1.** Number and rate of unintentional drug poisoning (overdose) deaths, New York City, 2010-2013
- Map 1 & 2.** Top five New York City neighborhoods: Rates of unintentional drug poisoning (overdose) by neighborhood of residence, 2010-2011 and 2012-2013
- Table 2.** Number and rate of unintentional drug poisoning (overdose) deaths involving opioid analgesics New York City, 2010-2013
- Map 3 & 4.** Top five New York City neighborhoods: Rates of unintentional drug poisoning (overdose) deaths involving opioid analgesics by neighborhood of residence, 2010-2011 and 2012-2013
- Table 3.** Number and rate of unintentional drug poisoning (overdose) deaths involving heroin, New York City, 2010-2013
- Map 5 & 6.** Top five New York City neighborhoods: Rates of unintentional drug poisoning (overdose) deaths involving heroin by neighborhood of residence, 2010-2011 and 2012-2013

Data Sources

Bureau of Vital Stastics/Office of the Chief Medical Examiner: Mortality data were collected through an in-depth review of data and charts from the Health Department's Bureau of Vital Statistics and the Office of the Chief Medical Examiner for 2000-2013. Methadone is reported separately and not included in opioid analgesic analyses.

Rate Calculation: NYC DOHMH population estimates, modified from US Census Bureau intercensal population estimates 2000-2013, updated December 2014. These rates will differ from previously reported rates based on Census counts or previous versions of population estimates. Rates are age-adjusted to Census 2000, except those for specific age groups.

Neighborhood poverty is based on ZIP code and is defined as the percentage of residents with incomes below 100% of the Federal Poverty Level, per American Community Survey 2007-2011, in four groups: low (<10%), medium (10 %-< 20%), high (20 %-< 30%), and very high (>=30%).

To access the related Epi Data Brief, go to www.nyc.gov/html/doh/downloads/pdf/epi/databrief50.pdf



Table 1. Number and rate of unintentional drug poisoning (overdose) deaths, New York City, 2010-2013

Source: Bureau of Vital Statistics/Office of the Chief Medical Examiner, New York City; Rates calculated using NYC DOHMH population estimates, modified from US Census Bureau intercensal population estimates, 2010-2013. Updated December 2014. Analysis by Health Department's Bureau of Alcohol and Drug Use Prevention, Care and Treatment.

Rates per 100,000 New Yorkers are age adjusted, except those for specific age groups.

	2010			2011			2012			2013		
	Number	Percent	Rate	Number	Percent	Rate	Number	Percent	Rate	Number	Percent	Rate
Total Unintentional Drug Poisoning Deaths	541	100%	8.2	630	100%	9.4	730	100%	10.9	788	100%	11.6
Gender												
Male	386	71%	12.4	455	72%	14.2	534	73%	16.6	570	72%	17.7
Female	155	29%	4.4	175	28%	5.0	196	27%	5.7	218	28%	6.2
Race/Ethnicity												
Black (non-Hispanic)	128	24%	8.1	158	26%	10.0	180	25%	11.7	172	23%	10.7
Hispanic	150	28%	8.7	157	26%	8.8	192	27%	10.5	222	30%	12.1
White (non-Hispanic)	250	47%	11.6	300	49%	13.5	336	47%	15.6	358	48%	16.3
Age (years)												
15-24	30	6%	2.5	37	6%	3.2	48	7%	4.2	45	6%	4.0
25-34	85	16%	6.0	125	20%	8.7	140	19%	9.6	137	17%	9.3
35-44	121	22%	10.4	133	21%	11.5	158	22%	13.5	159	20%	13.6
45-54	194	36%	17.4	206	33%	18.5	245	34%	22.0	251	32%	22.6
55-64	93	17%	10.3	122	19%	13.2	122	17%	13.0	163	21%	17.1
65-84	17	3%	2.0	7	1%	0.8	17	2%	1.9	33	4%	3.6
Borough of Residence												
Bronx	128	27%	12.3	140	25%	13.3	171	26%	16.1	162	21%	15.0
Brooklyn	145	30%	7.3	158	28%	7.8	179	27%	8.9	165	21%	8.2
Manhattan	69	14%	5.3	103	18%	7.7	131	20%	9.8	136	17%	9.8
Queens	91	19%	5.0	97	17%	5.2	105	16%	5.5	145	18%	7.6
Staten Island	46	10%	12.2	69	12%	18.4	74	11%	19.9	64	8%	17.6
Borough of Death												
Bronx	132	24%	12.8	147	23%	13.8	175	24%	16.5	184	23%	17.2
Brooklyn	166	31%	8.4	172	27%	8.5	188	26%	9.4	197	25%	9.9
Manhattan	102	19%	7.6	134	21%	9.9	172	24%	12.9	191	24%	13.8
Queens	96	18%	5.3	100	16%	5.4	120	16%	6.4	152	19%	8.0
Staten Island	45	8%	12.0	77	12%	20.6	75	10%	20.1	64	8%	17.5
Neighborhood Poverty*												
Low (wealthiest)	80	17%	6.0	124	22%	8.8	119	18%	8.6	147	22%	10.6
Medium	150	32%	6.0	158	28%	6.2	194	29%	7.5	183	27%	7.1
High	112	24%	7.2	130	23%	8.4	164	25%	10.6	160	24%	10.0
Very High	130	28%	11.8	155	27%	13.9	182	28%	16.2	181	27%	15.9
Drug Type**												
Alcohol	243	45%	3.7	273	43%	4.1	316	43%	4.7	340	43%	5.0
Benzodiazepines	227	42%	3.5	210	33%	3.1	278	38%	4.2	298	38%	4.4
Cocaine	289	53%	4.4	319	51%	4.8	348	48%	5.2	364	46%	5.5
Heroin	209	39%	3.1	284	45%	4.3	382	52%	5.7	424	54%	6.2
Methadone	142	26%	2.2	146	23%	2.2	184	25%	2.8	169	21%	2.5
Opioid Analgesics	173	32%	2.6	220	35%	3.3	201	28%	3.0	220	27%	3.2
Top 5 NYC Neighborhoods[^]				2010-2011 Rate			2012-2013 Rate					
				Stapleton-St George		20.1				Hunts Point-Mott Haven		28.2
				Hunts Point-Mott Haven		18.2				South Beach-Tottenville		23.2
				Highbridge-Morrisania		15.9				Willowbrook		21.0
				Crotona-Tremont		15.8				Highbridge-Morrisania		19.1
				Willowbrook		14.8				Central Harlem		18.8

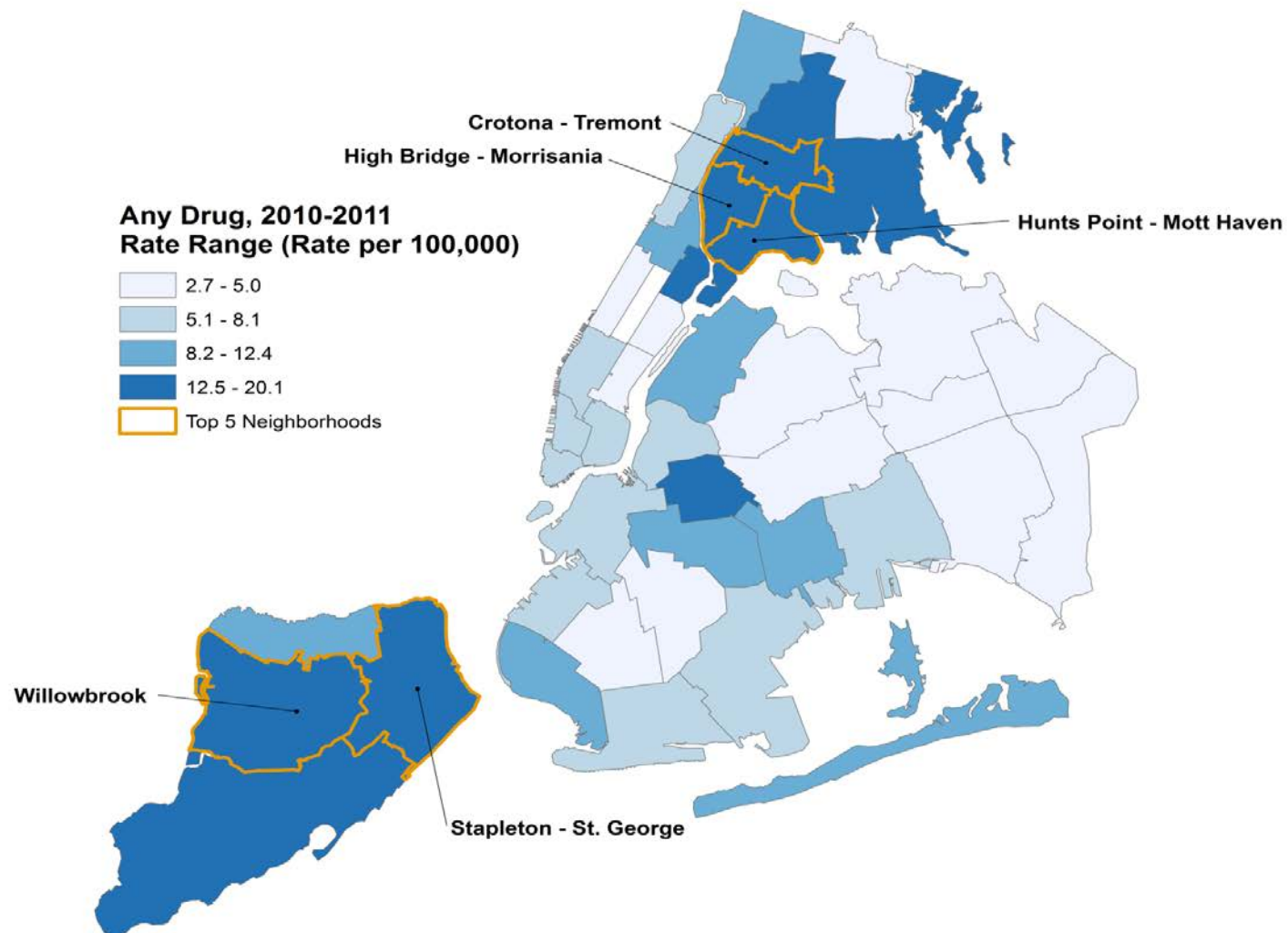
*Neighborhood poverty (based on ZIP code) was defined as percent of residents with incomes below 100% of the federal poverty level (Census 2000), separated into four groups: low (<10%), medium (10%-<20%), high (20%-<30%) and very high (>=30%).

**Drug Type, not mutually exclusive.; percent will not equal 100%.

[^Top five of 42 NYC Neighborhoods](#)

Map 1. Top five New York City neighborhoods: Rates of unintentional drug poisoning (overdose) by neighborhood* of residence, 2010-2011

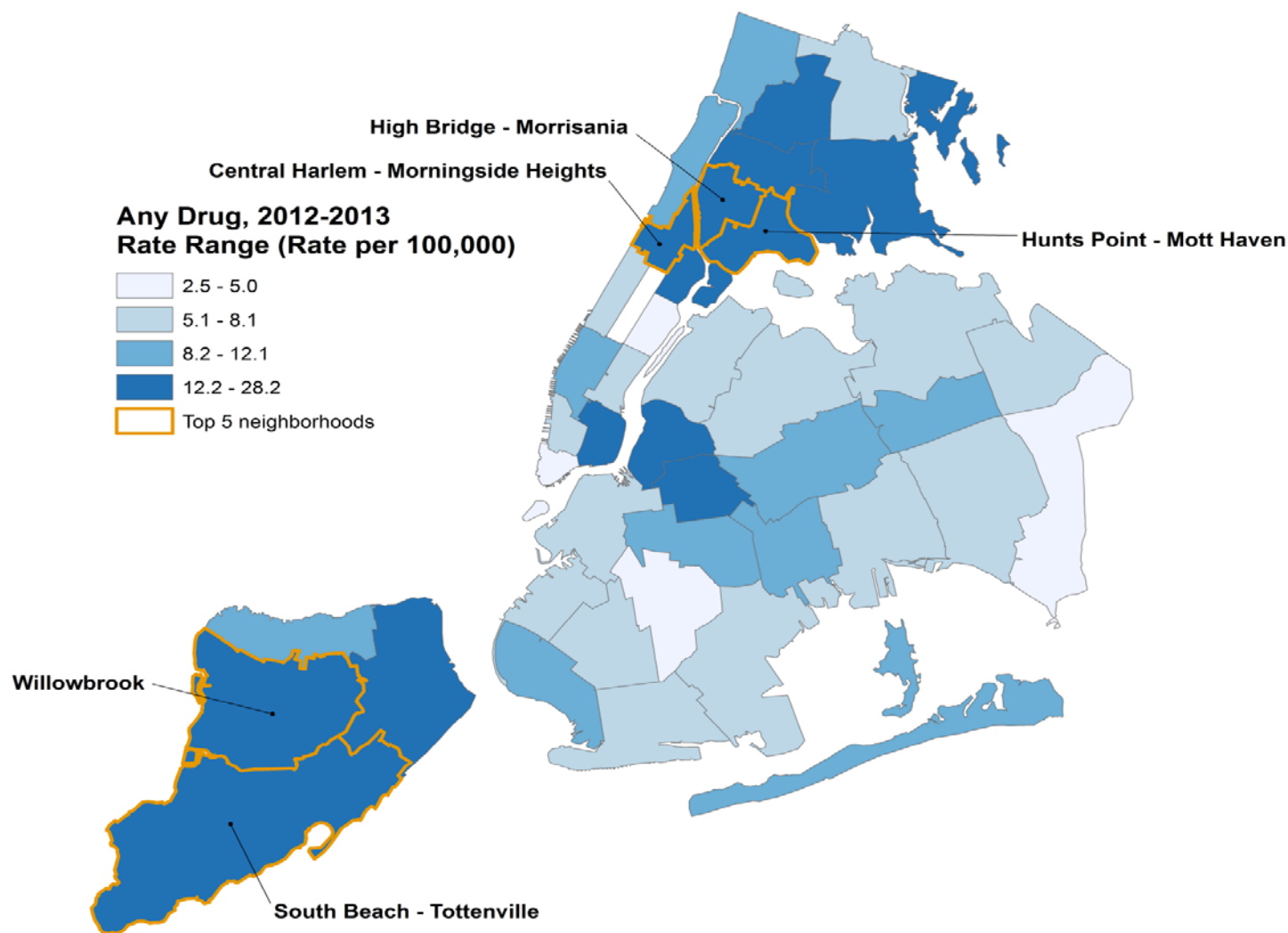
Source: Bureau of Vital Statistics/Office of the Chief Medical Examiner, New York City; Rates calculated using NYC DOHMH population estimates, modified from US Census Bureau intercensal population estimates, 2010-2011. Updated December 2014. Analysis by Health Department's Bureau of Alcohol and Drug Use Prevention, Care and Treatment.



*The United Hospital Fund (UHF) classifies New York City into 42 neighborhoods, comprised of contiguous zip codes.

Map 2. Top five New York City neighborhoods: Rates of unintentional drug poisoning (overdose) by neighborhood* of residence, 2012-2013

Source: Bureau of Vital Statistics/Office of the Chief Medical Examiner, New York City; Rates calculated using NYC DOHMH population estimates, modified from US Census Bureau intercensal population estimates, 2012-2013. Updated December 2014. Analysis by Health Department's Bureau of Alcohol and Drug Use Prevention, Care and Treatment.



*The United Hospital Fund (UHF) classifies New York City into 42 neighborhoods, comprised of contiguous zip codes.

Table 2. Number and rate of unintentional drug poisoning (overdose) deaths involving opioid analgesics, New York City, 2010-2013

Source: Bureau of Vital Statistics/Office of the Chief Medical Examiner, New York City; Rates calculated using NYC DOHMH population estimates, modified from US Census Bureau intercensal population estimates, 2010-2013. Updated December 2014. Analysis by Health Department's Bureau of Alcohol and Drug Use Prevention, Care and Treatment.

Rates per 100,000 New Yorkers are age adjusted, except those for specific age groups.

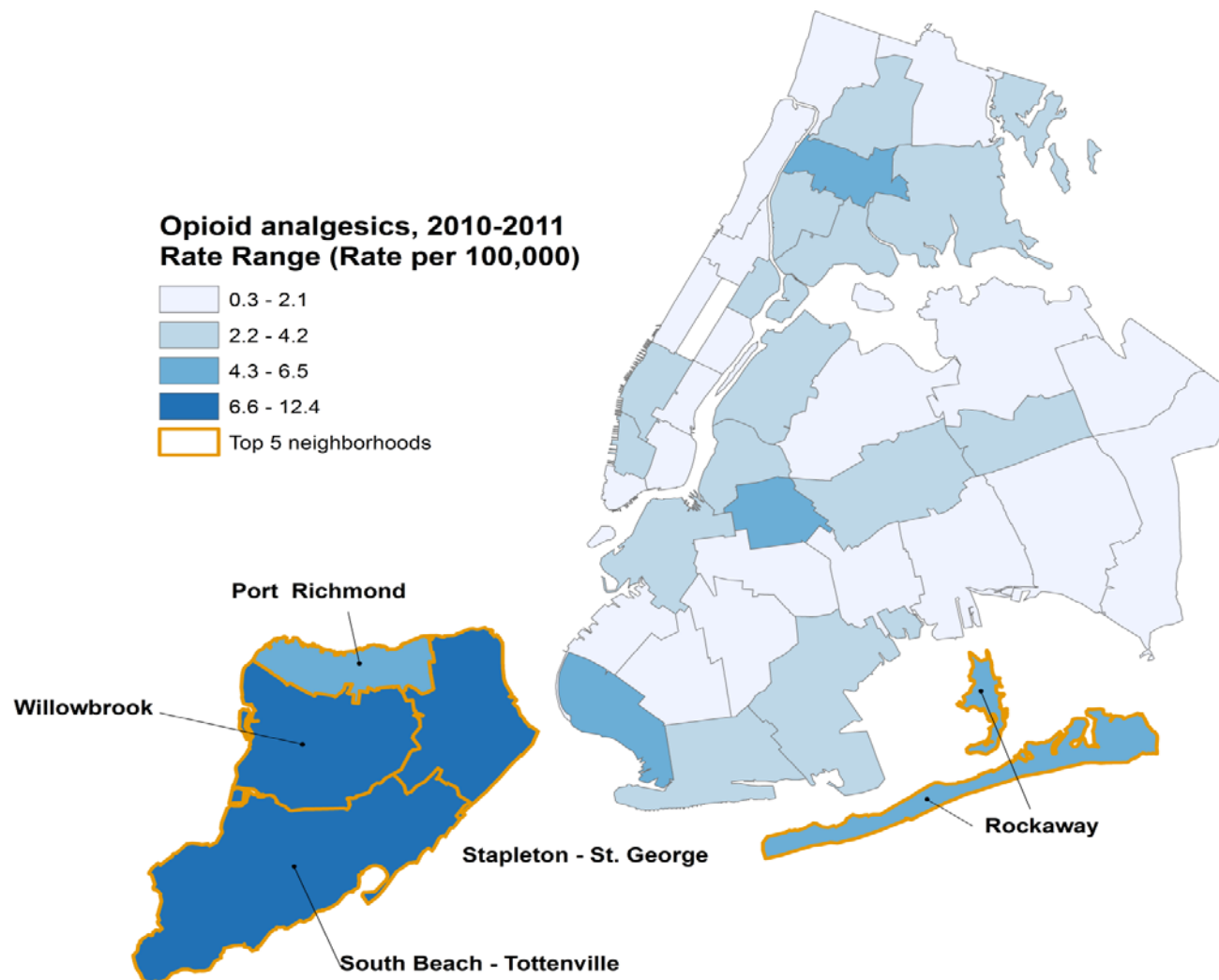
	2010			2011			2012			2013		
	Number	Percent	Rate	Number	Percent	Rate	Number	Percent	Rate	Number	Percent	Rate
Total Unintentional Drug Poisoning Deaths	541	100%	8.2	630	100%	9.4	730	100%	10.9	788	100%	11.6
Total Unintentional Drug Poisoning Deaths Involving Opioid Analgesics	173	32%	2.6	220	35%	3.3	201	28%	3.0	220	28%	3.2
Gender												
Male	109	63%	3.5	160	73%	5.0	141	70%	4.4	147	67%	4.5
Female	64	37%	1.8	60	27%	1.7	60	30%	1.8	73	33%	2.0
Race/Ethnicity												
Black (non-Hispanic)	21	13%	1.3	24	11%	1.6	40	20%	2.7	30	14%	1.9
Hispanic	32	19%	1.8	40	19%	2.2	42	21%	2.3	52	24%	2.8
White (non-Hispanic)	115	68%	5.5	152	70%	7.0	115	58%	5.4	131	62%	5.8
Age (years)												
15-24	13	8%	1.1	24	11%	2.1	23	11%	2.0	11	5%	1.0
25-34	33	19%	2.3	50	23%	3.5	39	19%	2.7	43	20%	2.9
35-44	47	27%	4.0	49	22%	4.2	49	24%	4.2	44	20%	3.8
45-54	52	30%	4.7	59	27%	5.3	56	28%	5.0	73	33%	6.6
55-64	27	16%	3.0	35	16%	3.8	32	16%	3.4	43	20%	4.5
65-84	1	1%	0.1	3	1%	0.3	2	1%	0.2	6	3%	0.7
Age (years-collapsed)												
15-34	46	27%	1.8	74	34%	2.9	62	31%	2.4	54	25%	2.1
35-54	99	57%	4.3	108	49%	4.8	105	52%	4.6	117	53%	5.1
55-84	28	16%	1.6	38	17%	2.1	34	17%	1.9	49	22%	2.6
Borough of Residence												
Bronx	25	17%	2.4	40	20%	3.8	38	21%	3.5	36	18%	3.4
Brooklyn	46	30%	2.4	48	24%	2.4	40	22%	2.1	51	26%	2.5
Manhattan	15	10%	1.2	31	15%	2.4	33	18%	2.5	31	16%	2.3
Queens	34	23%	1.9	42	21%	2.3	33	18%	1.8	51	26%	2.6
Staten Island	31	21%	8.4	40	20%	10.7	37	20%	10.0	28	14%	7.6
Borough of Death												
Bronx	27	16%	2.6	41	19%	3.8	39	19%	3.6	42	19%	3.9
Brooklyn	50	29%	2.6	52	24%	2.6	41	20%	2.2	60	27%	3.0
Manhattan	25	14%	1.9	38	17%	2.9	45	22%	3.4	38	17%	2.7
Queens	40	23%	2.2	45	20%	2.4	38	19%	2.0	54	25%	2.8
Staten Island	31	18%	8.5	44	20%	12.0	38	19%	10.1	26	12%	6.9
Neighborhood Poverty*												
Low (wealthiest)	42	28%	3.2	59	29%	4.2	54	30%	4.0	59	30%	4.1
Medium	54	36%	2.2	67	33%	2.6	57	31%	2.2	55	28%	2.1
High	25	17%	1.6	33	16%	2.1	36	20%	2.3	44	22%	2.8
Very High	30	20%	2.6	42	21%	3.7	34	19%	3.0	38	19%	3.3
Top 5 NYC Neighborhoods[^]	2010-2011 Rate						2012-2013 Rate					
	Stapleton-St George			12.5			Willowbrook			11.7		
	South Beach-Tottenville			10.1			South Beach-Tottenville			10.9		
	Willowbrook			8.5			Stapleton-St George			6.3		
	Rockaway			6.6			Hunts Point-Mott Haven			5.7		
	Port Richmond			6.1			Kingsbridge-Riverdale			5.5		

*Neighborhood poverty (based on ZIP code) was defined as percent of residents with incomes below 100% of the federal poverty level (Census 2000), separated into four groups: low (<10%), medium (10%-<20%), high (20%-<30%) and very high (>=30%).

[^Top five of 42 NYC Neighborhoods](#)

Map 3. Top five New York City neighborhoods: Rates of unintentional drug poisoning (overdose) deaths involving opioid analgesics by neighborhood* of residence, 2010-2011

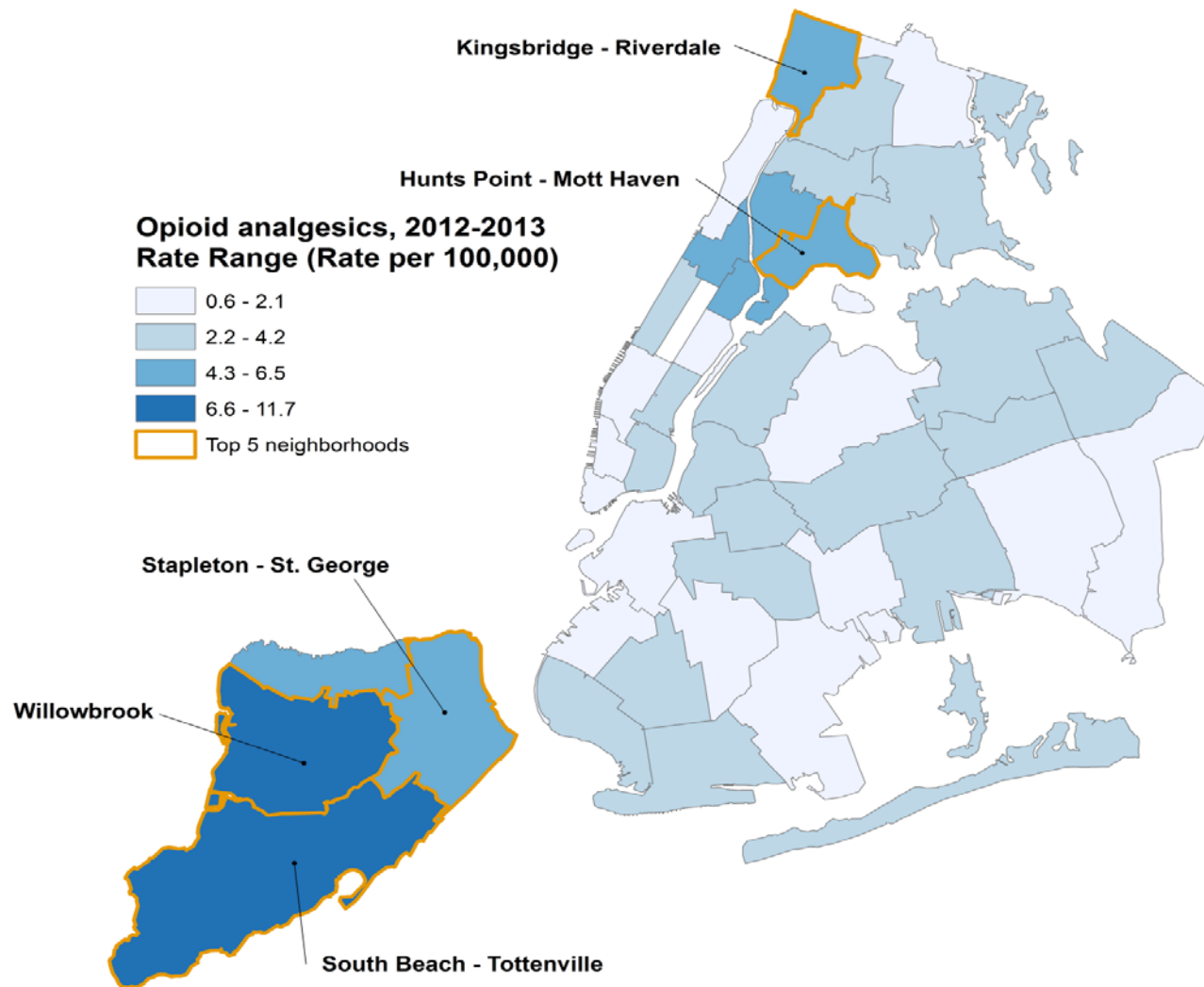
Source: Bureau of Vital Statistics/Office of the Chief Medical Examiner, New York City; Rates calculated using NYC DOHMH population estimates, modified from US Census Bureau intercensal population estimates, 2010-2011. Updated December 2014. Analysis by Health Department's Bureau of Alcohol and Drug Use Prevention, Care and Treatment.



*The United Hospital Fund (UHF) classifies New York City into 42 neighborhoods, comprised of contiguous zip codes.

Map 4. Top five NYC Neighborhoods: Rates of unintentional drug poisoning (overdose) deaths involving opioid analgesics by NYC neighborhood* of residence, 2012-2013

Source: Bureau of Vital Statistics/Office of the Chief Medical Examiner, New York City; Rates calculated using NYC DOHMH population estimates, modified from US Census Bureau intercensal population estimates, 2012-2013. Updated December 2014. Analysis by Health Department's Bureau of Alcohol and Drug Use Prevention, Care and Treatment.



*The United Hospital Fund (UHF) classifies New York City into 42 neighborhoods, comprised of contiguous zip codes.

Table 3. Number and rate of unintentional drug poisoning (overdose) deaths involving heroin, New York City, 2010-2013

Source: Bureau of Vital Statistics/Office of the Chief Medical Examiner, New York City; Rates calculated using NYC DOHMH population estimates, modified from US Census Bureau intercensal population estimates, 2010-2013. Updated December 2014. Analysis by Health Department's Bureau of Alcohol and Drug Use Prevention, Care and Treatment.

Rates per 100,000 New Yorkers are age adjusted, except those for specific age groups.

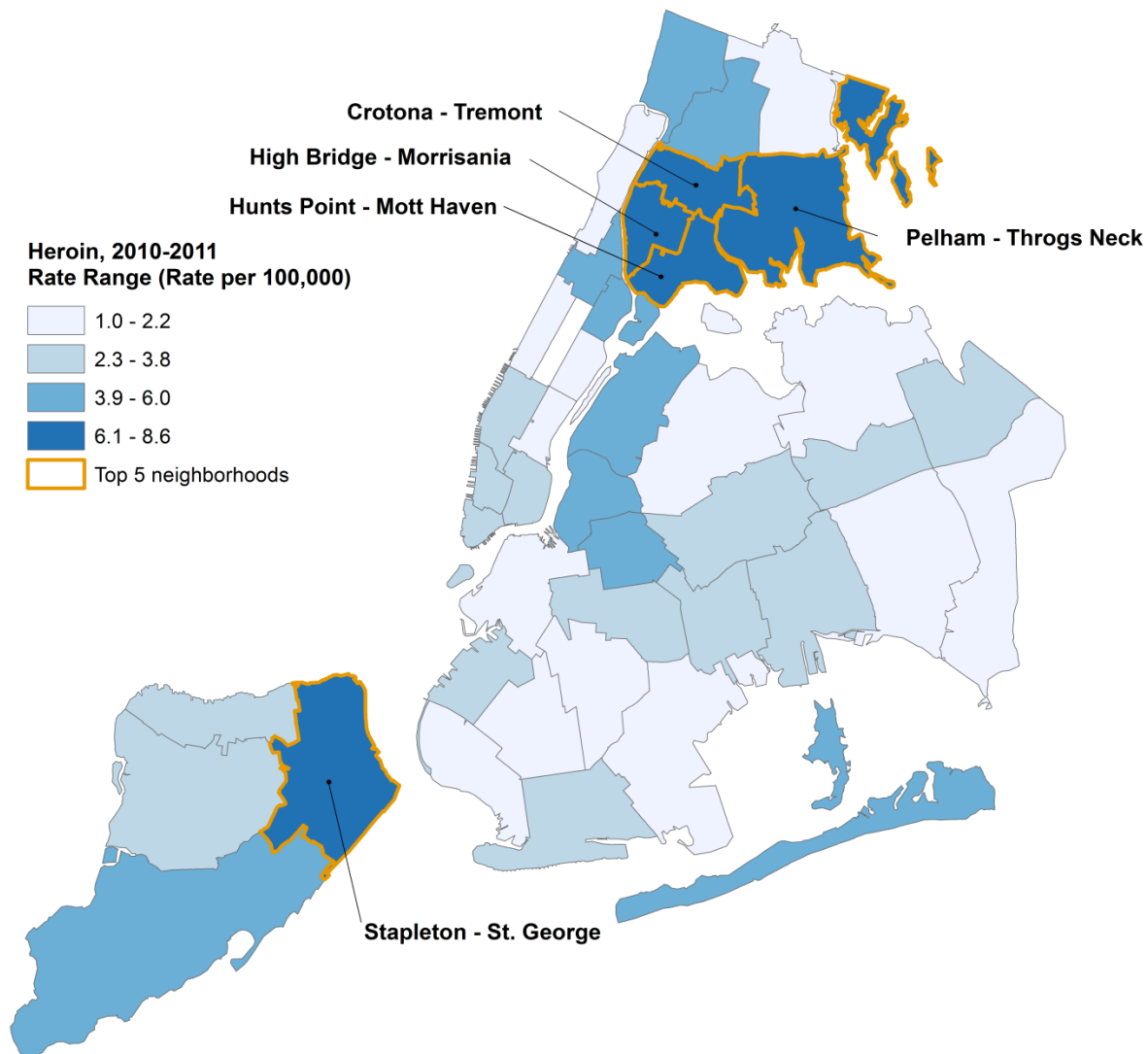
	2010			2011			2012			2013		
	Number	Percent	Rate	Number	Percent	Rate	Number	Percent	Rate	Number	Percent	Rate
Total Unintentional Drug Poisoning Deaths	541	100%	8.2	630	100%	9.4	730	100%	10.9	788	100%	11.6
Total Unintentional Drug Poisoning Deaths Involving Heroin	209	39%	3.1	284	45%	4.2	382	52%	5.7	424	54%	6.2
Gender												
Male	168	80%	5.3	222	78%	6.9	297	78%	9.2	326	77%	10.1
Female	41	20%	1.1	62	22%	1.8	85	22%	2.5	98	23%	2.7
Race/Ethnicity												
Black (non-Hispanic)	36	18%	2.2	61	22%	3.8	70	19%	4.6	64	16%	3.9
Hispanic	64	31%	3.6	79	28%	4.4	114	30%	6.2	146	36%	7.9
White (non-Hispanic)	105	51%	4.7	140	50%	6.4	191	51%	8.8	195	48%	8.8
Age (years)												
15-24	12	6%	1.0	17	6%	1.5	27	7%	2.4	32	8%	2.9
25-34	43	21%	3.1	63	22%	4.4	88	23%	6.0	92	22%	6.2
35-44	36	17%	3.1	64	23%	5.5	80	21%	6.9	84	20%	7.2
45-54	76	36%	6.8	88	31%	7.9	130	34%	11.7	125	30%	11.2
55-64	39	19%	4.3	49	17%	5.3	50	13%	5.3	78	18%	8.2
65-84	3	1%	0.3	3	1%	0.3	7	2%	0.8	13	3%	1.4
Age (years-collapsed)												
15-34	55	26%	2.1	80	28%	3.1	115	30%	4.4	124	29%	4.8
35-54	112	54%	4.9	152	54%	6.7	210	55%	9.3	209	49%	9.2
55-84	42	20%	2.4	52	18%	2.9	57	15%	3.1	91	22%	4.9
Borough of Residence												
Bronx	60	33%	5.7	75	30%	7.1	93	27%	8.8	94	27%	8.7
Brooklyn	55	30%	2.7	58	23%	2.9	84	25%	4.2	84	24%	4.2
Manhattan	20	11%	1.5	51	20%	3.8	73	22%	5.3	61	17%	4.3
Queens	35	19%	1.9	47	19%	2.6	53	16%	2.8	81	23%	4.3
Staten Island	14	8%	3.5	22	9%	6.2	36	11%	10.1	32	9%	8.6
Borough of Death												
Bronx	58	28%	5.6	80	28%	7.6	98	26%	9.3	109	26%	10.2
Brooklyn	69	33%	3.4	66	23%	3.3	96	25%	4.8	102	24%	5.1
Manhattan	37	18%	2.7	68	24%	5.0	96	25%	7.2	89	21%	6.3
Queens	33	16%	1.7	47	17%	2.6	59	15%	3.2	91	22%	4.8
Staten Island	12	6%	3.0	23	8%	6.5	33	9%	9.2	33	8%	9.1
Neighborhood Poverty*												
Low (wealthiest)	26	15%	1.9	46	18%	3.4	64	19%	4.6	78	22%	5.7
Medium	51	28%	2.0	73	29%	2.9	86	25%	3.4	90	26%	3.5
High	43	24%	2.7	52	21%	3.3	92	27%	5.9	73	21%	4.5
Very High	59	33%	5.2	82	32%	7.3	96	28%	8.5	110	31%	9.7
Top 5 NYC Neighborhoods[^]	2010-2011 Rate					2012-2013 Rate						
	Hunts Point-Mott Haven					Hunts Point-Mott Haven						
	8.6					16.5						
	Crotona-Tremont					South Beach-Tottenville						
	8.1					12.8						
	Pelham-Throgs Neck					Willowbrook						
	8.0					10.7						
	Highbridge-Morrisania					Fordham - Bronx Park						
	7.0					10.6						
	Stapleton-St George					Crotona-Tremont						
	6.9					10.3						

*Neighborhood poverty (based on ZIP code) was defined as percent of residents with incomes below 100% of the federal poverty level per American Community Survey 2007-2011, separated into four groups: low (<10%), medium (10%-<20%), high (20%-<30%) and very high (≥30%).

[^Top five of 42 NYC Neighborhoods](#)

Map 5. Top five New York City neighborhoods: Rates of unintentional drug poisoning (overdose) deaths involving heroin by neighborhood* of residence, 2010-2011

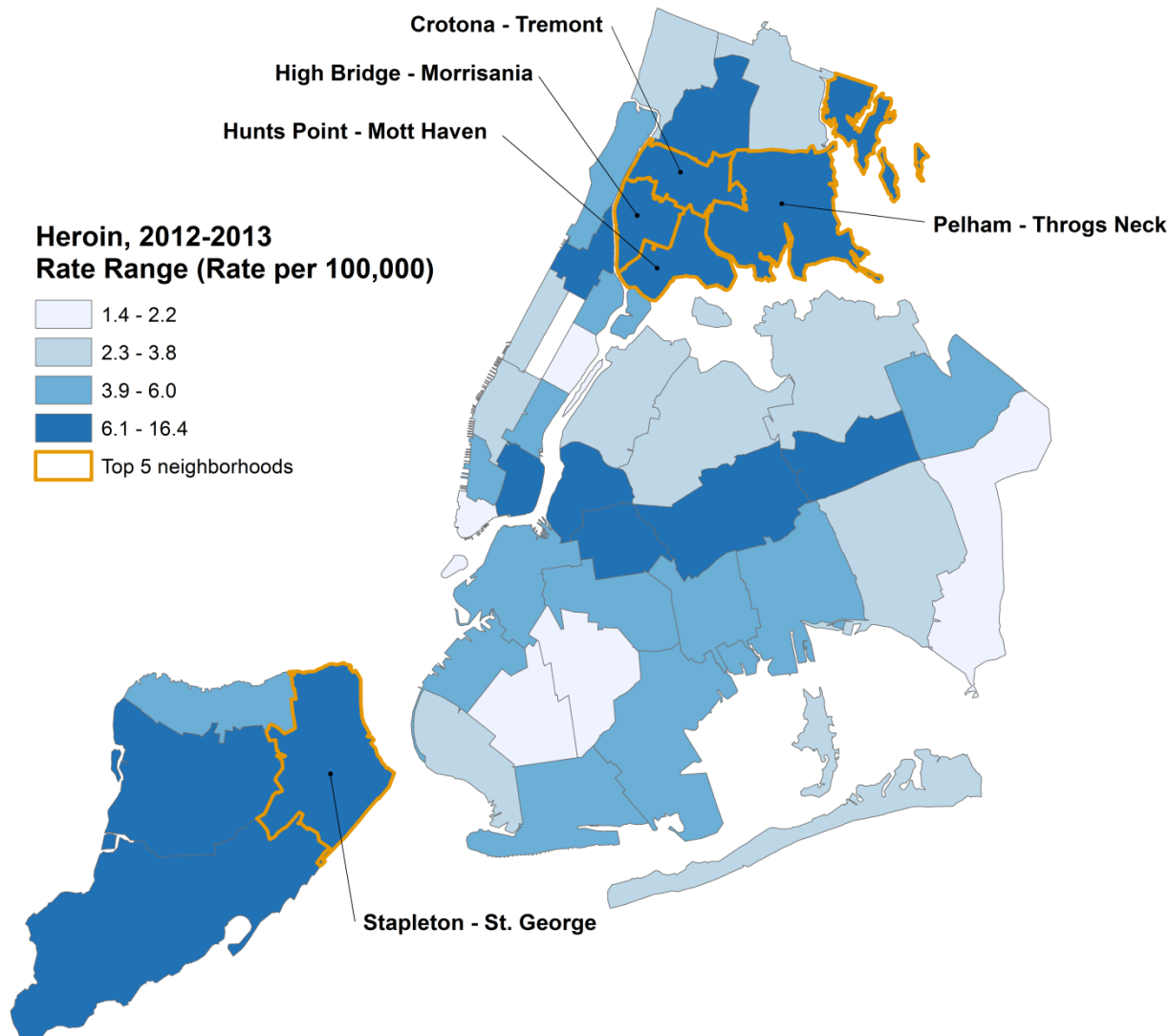
Source: Bureau of Vital Statistics/Office of the Chief Medical Examiner, New York City; Rates calculated using NYC DOHMH population estimates, modified from US Census Bureau intercensal population estimates, 2010-2011. Updated December 2014. Analysis by Health Department's Bureau of Alcohol and Drug Use Prevention, Care and Treatment.



*The United Hospital Fund (UHF) classifies New York City into 42 neighborhoods, comprised of contiguous zip codes.

Map 6. Top five New York City neighborhoods: Rates of unintentional drug poisoning (overdose) deaths involving heroin by neighborhood* of residence, 2012-2013

Source: Bureau of Vital Statistics/Office of the Chief Medical Examiner, New York City; Rates calculated using NYC DOHMH population estimates, modified from US Census Bureau intercensal population estimates, 2012-2013. Updated December 2014. Analysis by Health Department's Bureau of Alcohol and Drug Use Prevention, Care and Treatment.



*The United Hospital Fund (UHF) classifies New York City into 42 neighborhoods, comprised of contiguous zip codes.