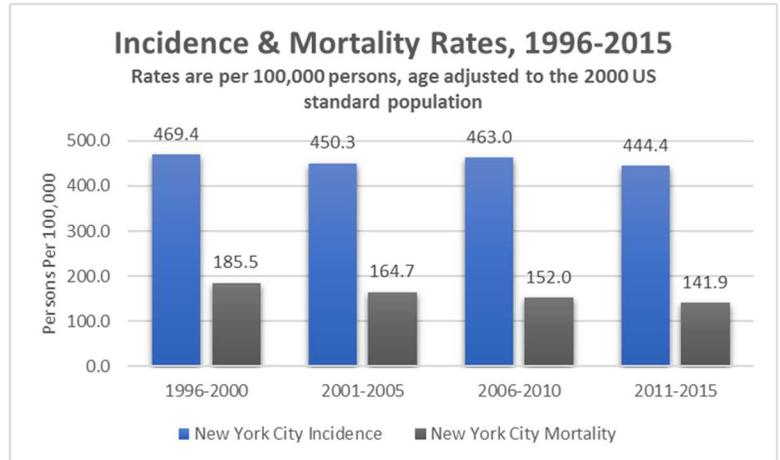


NEW YORK CITY Cancer Burden Profile, 2019

In 2019, the American Cancer Society Cancer Action Network estimates*:
40,000 new cases of cancer will be diagnosed in New York City and 12,000 cancer deaths will occur.

Between 2011-2015 in New York City there was*:

- An average of 40,126.8 cancer cases annually and an average of 12,453 cancer deaths annually
- An average of 771.6 individuals were diagnosed with cancer each week and an average of 241.4 individuals died from cancer each week

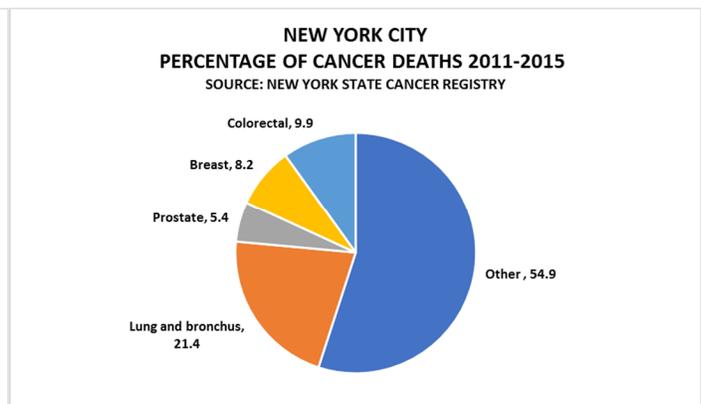
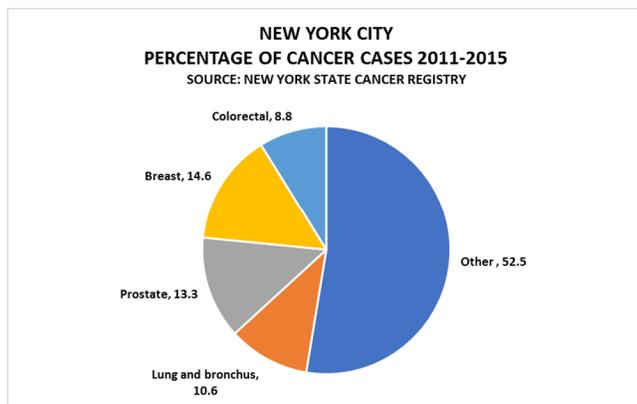


The changing burden in New York City*:

- There was an average of 469.4 cancer cases per 100,000 persons per year from 1996-2000. This rate was 444.4 from 2011-2015.
- There was an average of 185.5 cancer deaths per 100,000 persons per year from 1996-2000. This rate was 141.9 from 2011-2015.

Between 2011-2015, four cancer sites represented 47.7 percent of all cancer cases and 46.5 percent of all cancer deaths.*

- Lung & bronchus cancer account for **10.6 percent** of all cancer cases and **21.4 percent** of all cancer deaths.
- Prostate cancer accounts for **13.3 percent** of all cancer cases and **5.4 percent** of all cancer deaths.
- Female breast cancer accounts for **14.6 percent** of all cancer cases and **8.2 percent** of all cancer deaths.
- Colorectal cancer accounts for **8.8 percent** of all cancer cases and **9.9 percent** of all cancer deaths.



New York City Demographics		
	New York State	New York City
Total Population (2016)	19,745,289	8,537,673
Population Density (people/ sq. mile.2010)	411.2	27,013
Percent Population Age 65+ (2016)	15.4%	12.1%
Percent Population in Poverty (2015)	14.7%	20.6%
Median Household Income (2011-15)	\$59,269	\$53,373
Less than H.S. Diploma (% of 25+ pop., 2016)	14.4%	19.7%
Source: U.S. Census Bureau, 2016		

New York City Cases and Cancer Deaths Per Year, 2011-2015		
Cancer Site	Cases	Deaths
All sites	40126.8	12453.8
Lung and bronchus	4288.2	2667.8
Prostate	5347.6	680
Breast	5887.2	1027
Colorectal	3531.6	1240.6
Source: NYS DOH, State Cancer Registry, 2017		

New York State and New York City Average Annual Incidence and Mortality Rates Per 100,000 People, 2011-2015*									
All Cancers (malignant sites)					Prostate				
	Incidence Rates		Mortality Rates			Incidence Rates		Mortality Rates	
	Male	Female	Male	Female		Male	Female	Male	Female
New York City	509.1	419.5	169.8	124.1	New York City	134.8	N/A	20.7	N/A
New York State	542	454.8	180.8	133.7	New York State	131.7	N/A	18.4	N/A
Colorectal					Cervical				
	Incidence Rates		Mortality Rates			Incidence Rates		Mortality Rates	
	Male	Female	Male	Female		Male	Female	Male	Female
New York City	47.7	34.7	16.9	12.1	New York City	N/A		N/A	
New York State	46	35	16.1	11.6	New York State	N/A		N/A	
Female Breast					Lung and Bronchus				
	Incidence Rates		Mortality Rates			Incidence Rates		Mortality Rates	
	Male	Female	Male	Female		Male	Female	Male	Female
New York City	N/A	121.2	N/A	20.2	New York City	59.7	41.7	39.9	24.1
New York State	N/A	131.3	N/A	19.8	New York State	69.1	54.1	46.8	32.3
*Rates are per 100,000 persons age-adjusted to the 2010 U.S. standard population									
#Rate is suppressed when fewer than 4 cases or deaths to ensure statistical reliability									
Source: NYS DOH, State Cancer Registry, 2017									

New York City Percent of Cases Detected at Early Stage, 2011-2015							
Cancer Site	All NYS	All NYC	NYS excl. NYC	Cancer Site	All NYS	All NYC	NYS excl. NYC
Colorectal	41	40.8	41	Prostate	80.6	80.1	80.6
Lung	23.8	24.9	23.8	Cervical	43.6	44	43.6
				Female Breast	66.8	63.4	66.8
The best survival rate occurs for those who are diagnosed with early stage disease. The higher the number the better.							
Source: NYS DOH, State Cancer Registry, 2017							

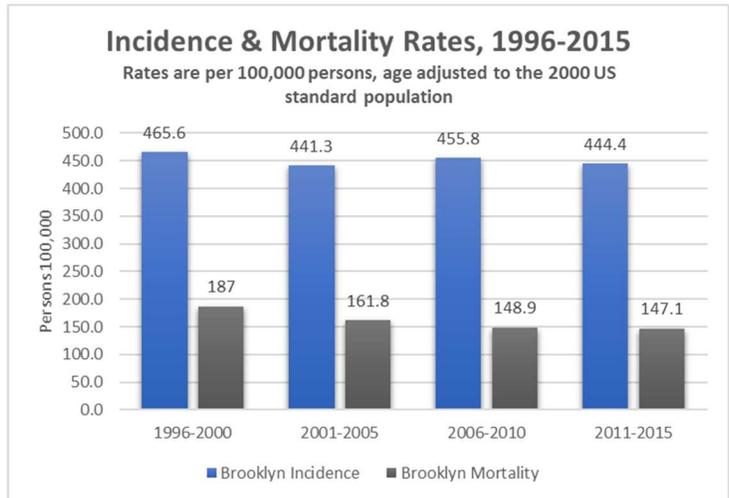
BROOKLYN

Cancer Burden Profile, 2019

In 2019, the American Cancer Society Cancer Action Network estimates*:
40,000 new cases of cancer will be diagnosed in New York City and 12,000 cancer deaths will occur.

Between 2011-2015 in Brooklyn there were*:

- An average of 11,768 cancer cases annually and an average of 3,757.4 cancer deaths annually
- An average of 226.3 individuals were diagnosed with cancer each week and an average of 72.2 individuals died from cancer each week

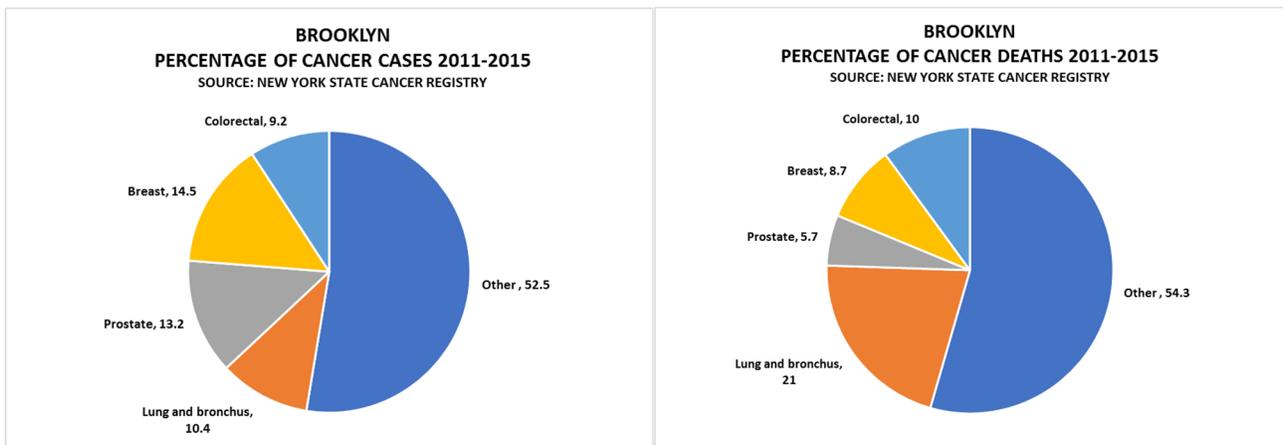


The changing burden in Brooklyn*:

- There was an average of 465.6 cancer cases per 100,000 persons per year from 1996-2000. This rate was 444.4 from 2011-2015.
- There was an average of 187 cancer deaths per 100,000 persons per year from 1996-2000. This rate was 147.1 from 2011-2015.

Between 2011-2015, four cancer sites represented 47.4 percent of all cancer cases and 45.6 percent of all cancer deaths.*

- Lung & bronchus cancer account for 10.4 percent of all cancer cases and 21 percent of all cancer deaths.
- Prostate cancer accounts for 13.2 percent of all cancer cases and 5.7 percent of all cancer deaths.
- Female breast cancer accounts for 14.5 percent of all cancer cases and 8.7 percent of all cancer deaths.
- Colorectal cancer accounts for 9.2 percent of all cancer cases and 10 percent of all cancer deaths.



Brooklyn Demographics		
	Brooklyn	New York City
Total Population (2016)	2,629,150	8,537,673
Population Density (people/ sq. mile.2010)	35,369.1	27,013
Percent Population Age 65+ (2016)	12.7%	12.1%
Percent Population in Poverty (2015)	22.3%	20.6%
Median Household Income (2011-15)	\$48,201	\$53,373
Less than H.S. Diploma (% of 25+ pop., 2016)	20.7%	19.7%
Source: U.S. Census Bureau, 2016		

Brooklyn Cases and Cancer Deaths Per Year, 2011-2015		
Cancer Site	Cases	Deaths
All sites	11768	3757.4
Lung and bronchus	1231	789.8
Prostate	1559.2	216
Breast	1715.6	330.6
Colorectal	1083	377.2
Source: NYS DOH, State Cancer Registry, 2018		

Brooklyn Average Annual Incidence and Mortality Rates Per 100,000 People, 2011-2015*									
All Cancers (malignant sites)	Incidence Rates				Mortality Rates				
	Male	Female	Male	Female	Male	Female	Male	Female	
Brooklyn	507.6	419.7	174.8	129.6					
New York City	509.1	419.5	169.8	124.1					
New York State	542	454.8	180.8	133.7					
Prostate									
	Incidence Rates				Mortality Rates				
	Male	Female	Male	Female	Male	Female	Male	Female	
Brooklyn	136	N/A	22.8	N/A					
New York City	134.8	N/A	20.7	N/A					
New York State	131.7	N/A	18.4	N/A					
Colorectal									
	Incidence Rates				Mortality Rates				
	Male	Female	Male	Female	Male	Female	Male	Female	
Brooklyn	50.1	36.4	17.1	12.9					
New York City	47.7	34.7	16.9	12.1					
New York State	46	35	16.1	11.6					
Female Breast									
	Incidence Rates				Mortality Rates				
	Male	Female	Male	Female	Male	Female	Male	Female	
Brooklyn	N/A	119	N/A	22.3					
New York City	N/A	121.2	N/A	20.2					
New York State	N/A	131.3	N/A	19.8					
Lung and Bronchus									
	Incidence Rates				Mortality Rates				
	Male	Female	Male	Female	Male	Female	Male	Female	
Brooklyn	62.7	38.5	42.8	23.2					
New York City	59.7	41.7	39.9	24.1					
New York State	69.1	54.1	46.8	32.3					
Cervical									
	Incidence Rates				Mortality Rates				
	Male	Female	Male	Female	Male	Female	Male	Female	
Brooklyn	N/A		N/A						
New York City	N/A		N/A						
New York State	N/A		N/A						

*Rates are per 100,000 persons age-adjusted to the 2010 U.S. standard population
#Rate is suppressed when fewer than 4 cases or deaths to ensure statistical reliability
Source: NYS DOH, State Cancer Registry, 2018

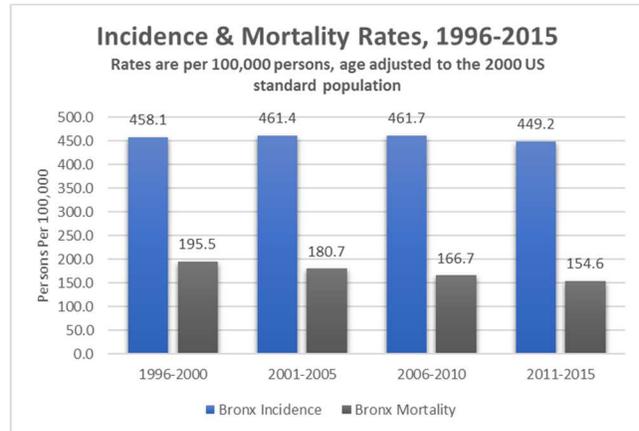
Brooklyn Percent of Cases Detected at Early Stage, 2011-2015							
Cancer Site	Brooklyn	All NYC	All NYS	Cancer Site	Brooklyn	All NYC	All NYS
Colorectal	41.1	40.8	41	Prostate	81.4	80.1	80.6
Lung	23.7	24.9	23.8	Cervical	43.5	44	43.6
				Female Breast	59.6	63.4	66.8
The best survival rate occurs for those who are diagnosed with early stage disease. The higher the number the better.							
Source: NYS DOH, State Cancer Registry, 2018							

BRONX Cancer Burden Profile, 2019

In 2019, the American Cancer Society Cancer Action Network estimates*:
40,000 new cases of cancer will be diagnosed in New York City and 12,000 cancer deaths will occur.

Between 2011-2015 in the Bronx there were*:

- An average of 6,230.6 cancer cases annually and an average of 2,040.8 cancer deaths annually
- An average of 119.8 individuals were diagnosed with cancer each week and an average of 39.2 individuals died from cancer each week

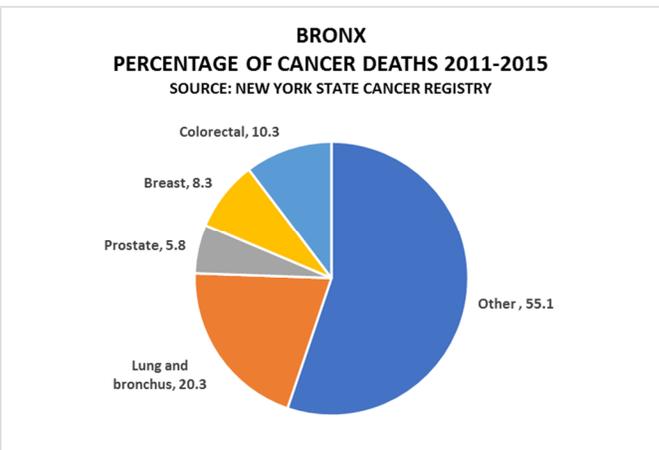
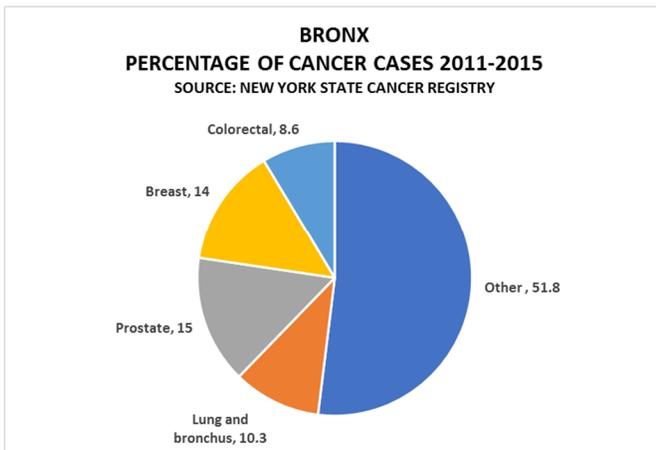


The changing burden in the Bronx*:

- There was an average of 458.1 cancer cases per 100,000 persons per year from 1996-2000. This rate was 449.2 from 2011-2015.
- There was an average of 195.5 cancer deaths per 100,000 persons per year from 1996-2000. This rate was 154.6 from 2011-2015.

Between 2011-2015, four cancer sites represented 48.1 percent of all cancer cases and 44.8 percent of all cancer deaths.*

- Lung & bronchus cancer account for 10.3 percent of all cancer cases and 20.3 percent of all cancer deaths.
- Prostate cancer accounts for 15 percent of all cancer cases and 5.8 percent of all cancer deaths.
- Female breast cancer accounts for 14 percent of all cancer cases and 8.3 percent of all cancer deaths.
- Colorectal cancer accounts for 8.6 percent of all cancer cases and 10.3 percent of all cancer deaths.



MANHATTAN

Cancer Burden Profile, 2019

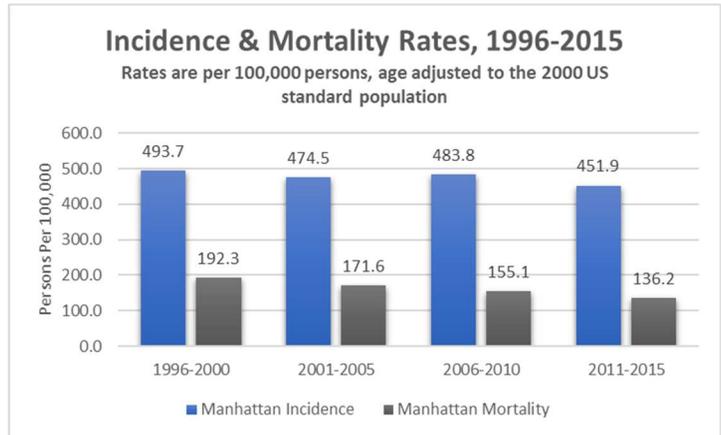
In 2019, the American Cancer Society Cancer Action Network estimates*:
40,000 new cases of cancer will be diagnosed in New York City and 12,000 cancer deaths will occur.

Between 2011-2015 in Manhattan there were*:

- An average of 8,348.2 cancer cases annually and an average of 2,496 cancer deaths annually
- An average of 160.5 individuals were diagnosed with cancer each week and an average of 48 individuals died from cancer each week

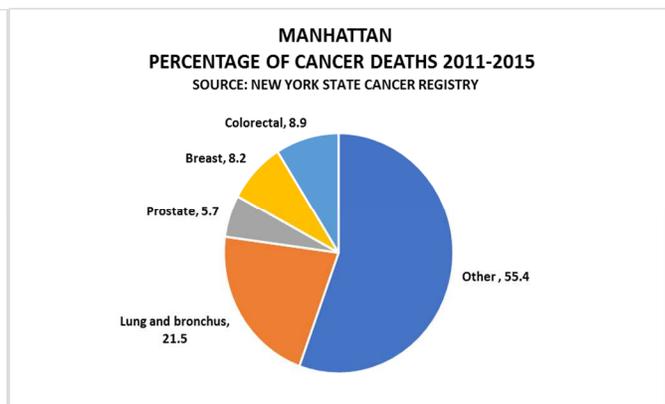
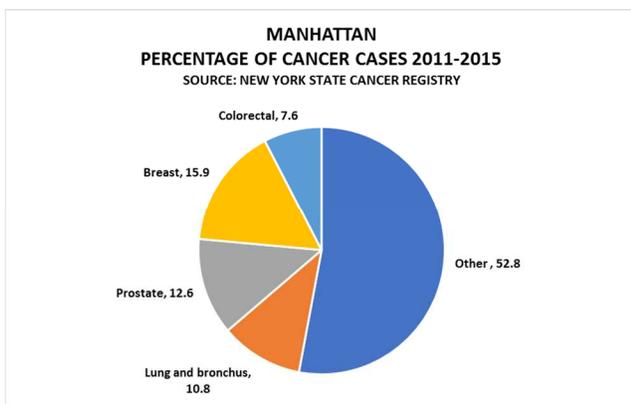
The changing burden in Manhattan*:

- There was an average of 493.7 cancer cases per 100,000 persons per year from 1996-2000. This rate was 451.9 from 2011-2015.
- There was an average of 192.3 cancer deaths per 100,000 persons per year from 1996-2000. This rate was 136.2 from 2011-2015.



Between 2011-2015, four cancer sites represented 47.1 percent of all cancer cases and 44.5 percent of all cancer deaths.*

- Lung & bronchus cancer account for **10.8 percent** of all cancer cases and **21.5 percent** of all cancer deaths.
- Prostate cancer accounts for **12.6 percent** of all cancer cases and **5.7 percent** of all cancer deaths.
- Female breast cancer accounts for **15.9 percent** of all cancer cases and **8.2 percent** of all cancer deaths.
- Colorectal cancer accounts for **7.6 percent** of all cancer cases and **8.9 percent** of all cancer deaths.



Manhattan Demographics		
	Manhattan	New York City
Total Population (2016)	1,643,734	8,537,673
Population Density (people/ sq. mile, 2010)	69,467.5	27,013
Percent Population Age 65+ (2016)	14.9%	12.1%
Percent Population in Poverty (2015)	17.6%	20.6%
Median Household Income (2011-15)	\$72,871	\$53,373
Less than H.S. Diploma (% of 25+ pop., 2016)	13.4%	19.7%

Source: U.S. Census Bureau, 2016

Manhattan Cases and Cancer Deaths Per Year, 2011-2015		
Cancer Site	Cases	Deaths
All sites	8348.2	2496
Lung and bronchus	906.4	538
Prostate	1052.4	143.8
Breast	1335	206.8
Colorectal	642.6	223.4

Source: NYS DOH, State Cancer Registry, 2018

Manhattan Average Annual Incidence and Mortality Rates Per 100,000 People, 2011-2015*									
All Cancers (malignant sites)	Incidence Rates				Mortality Rates				
	Male		Female		Male		Female		
Manhattan	510.1	432.5	159.5	121.2					
New York City	509.1	419.5	169.8	124.1					
New York State	542	454.8	180.8	133.7					

Prostate	Incidence Rates		Mortality Rates	
	Male	Female	Male	Female
	Manhattan	129.3	N/A	20.2
New York City	134.8	N/A	20.7	N/A
New York State	131.7	N/A	18.4	N/A

Colorectal	Incidence Rates		Mortality Rates	
	Male	Female	Male	Female
	Manhattan	41.8	30.8	14.2
New York City	47.7	34.7	16.9	12.1
New York State	46	35	16.1	11.6

Cervical	Incidence Rates		Mortality Rates	
	Male	Female	Male	Female
	Manhattan			
New York City				
New York State				

Female Breast	Incidence Rates		Mortality Rates	
	Male	Female	Male	Female
	Manhattan	N/A	138	N/A
New York City	N/A	121.2	N/A	20.2
New York State	N/A	131.3	N/A	19.8

Lung and Bronchus	Incidence Rates		Mortality Rates	
	Male	Female	Male	Female
	Manhattan	53.7	47.4	34.1
New York City	59.7	41.7	39.9	24.1
New York State	69.1	54.1	46.8	32.3

*Rates are per 100,000 persons age-adjusted to the 2010 U.S. standard population
#Rate is suppressed when fewer than 4 cases or deaths to ensure statistical reliability
Source: NYS DOH, State Cancer Registry, 2018

Manhattan Percent of Cases Detected at Early Stage, 2011-2015							
Cancer Site	Manhattan	All NYC	All NYS	Cancer Site	Manhattan	All NYC	All NYS
Colorectal	39.1	40.8	41	Prostate	75.8	80.1	80.6
Lung	29.4	24.9	23.8	Cervical	43.2	44	43.6
				Female Breast	67.2	63.4	66.8

The best survival rate occurs for those who are diagnosed with early stage disease. The higher the number the better.
Source: NYS DOH, State Cancer Registry, 2018

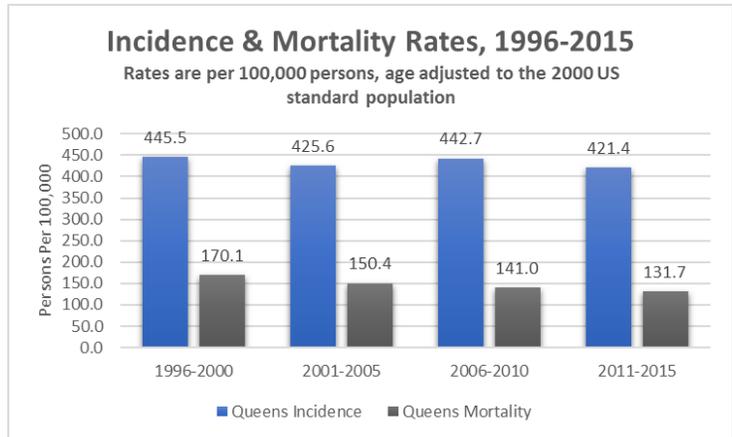
QUEENS

Cancer Burden Profile, 2019

In 2019, the American Cancer Society Cancer Action Network estimates*:
40,000 new cases of cancer will be diagnosed in New York City and 12,000 cancer deaths will occur.

Between 2011-2015 in Queens there were*:

- An average of 10,937 cancer cases annually and an average of 3,342.4 cancer deaths annually
- An average of 201.3 individuals were diagnosed with cancer each week and an average of 64.2 individuals died from cancer each week

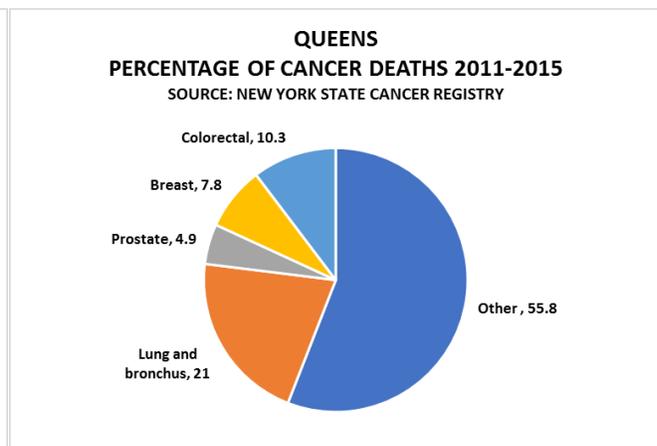
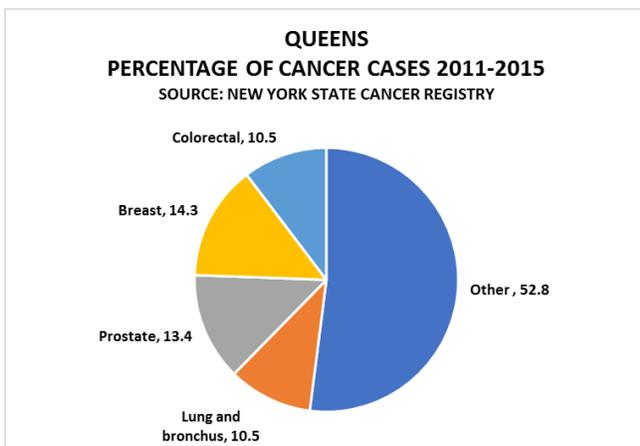


The changing burden in Queens*:

- There was an average of 445.5 cancer cases per 100,000 persons per year from 1996-2000. This rate was 421.4 from 2011-2015.
- There was an average of 170.1 cancer deaths per 100,000 persons per year from 1996-2000. This rate was 131.7 from 2011-2015.

Between 2011-2015, four cancer sites represented 48.1 percent of all cancer cases and 44.8 percent of all cancer deaths.*

- Lung & bronchus cancer account for **10.3 percent** of all cancer cases and **21 percent** of all cancer deaths.
- Prostate cancer accounts for **13.4 percent** of all cancer cases and **4.9 percent** of all cancer deaths.
- Female breast cancer accounts for **14.3 percent** of all cancer cases and **2.8 percent** of all cancer deaths.
- Colorectal cancer accounts for **10.5 percent** of all cancer cases and **10.3 percent** of all cancer deaths.



Queens Demographics		
	Queens	New York City
Total Population (2016)	2,333,054	8,537,673
Population Density (people/ sq. mile.2010)	20,553.6	27,013
Percent Population Age 65+ (2016)	14.2%	12.1%
Percent Population in Poverty (2015)	13.9%	20.6%
Median Household Income (2011-15)	\$57,720	\$53,373
Less than H.S. Diploma (% of 25+ pop., 2016)	19.6%	19.7%

Source: U.S. Census Bureau, 2016

Queens Cases and Cancer Deaths Per Year, 2011-2015		
Cancer Site	Cases	Deaths
All sites	10937	3342.4
Lung and bronchus	1152.6	704.2
Prostate	1474.6	165.4
Breast	1565.2	262.4
Colorectal	1032	344.6

Source: NYS DOH, State Cancer Registry, 2018

Queens Average Annual Incidence and Mortality Rates Per 100,000 People, 2011-2015*									
All Cancers (malignant sites)	Incidence Rates				Mortality Rates				
	Male		Female		Male		Female		
Queens	479.9	401.2	157.4	115					
New York City	509.1	419.5	169.8	124.1					
New York State	542	454.8	180.8	133.7					

Prostate	Incidence Rates		Mortality Rates	
	Male	Female	Male	Female
Queens	126.7	N/A	17	N/A
New York City	134.8	N/A	20.7	N/A
New York State	131.7	N/A	18.4	N/A

Colorectal	Incidence Rates		Mortality Rates	
	Male	Female	Male	Female
Queens	48.3	35.1	16.9	11
New York City	47.7	34.7	16.9	12.1
New York State	46	35	16.1	11.6

Cervical	Incidence Rates		Mortality Rates	
	Male	Female	Male	Female
Queens				
New York City				
New York State				

Female Breast	Incidence Rates		Mortality Rates	
	Male	Female	Male	Female
Queens	N/A	114	N/A	18
New York City	N/A	121.2	N/A	20.2
New York State	N/A	131.3	N/A	19.8

Lung and Bronchus	Incidence Rates		Mortality Rates	
	Male	Female	Male	Female
Queens	56.2	38	37.1	21.2
New York City	59.7	41.7	39.9	24.1
New York State	69.1	54.1	46.8	32.3

*Rates are per 100,000 persons age-adjusted to the 2010 U.S. standard population
#Rate is suppressed when fewer than 4 cases or deaths to ensure statistical reliability
Source: NYS DOH, State Cancer Registry, 2018

Queens Percent of Cases Detected at Early Stage, 2011-2015							
Cancer Site	Queens	All NYC	All NYS	Cancer Site	Queens	All NYC	All NYS
Colorectal	40.9	40.8	41	Prostate	81.6	80.1	80.6
Lung	24.1	24.9	23.8	Cervical	44.2	44	43.6
				Female Breast	64.1	63.4	66.8

The best survival rate occurs for those who are diagnosed with early stage disease. The higher the number the better.
Source: NYS DOH, State Cancer Registry, 2018

STATEN ISLAND Cancer Burden Profile, 2019

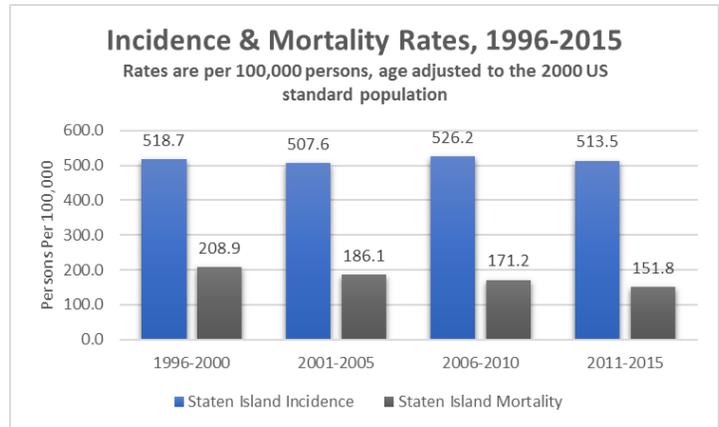
In 2019, the American Cancer Society Cancer Action Network estimates*:
40,000 new cases of cancer will be diagnosed in New York City and 12,000 cancer deaths will occur.

Between 2011-2015 in the Staten Island there were*:

- An average of 2,843 cancer cases annually and an average of 817.2 cancer deaths annually
- An average of 54.6 individuals were diagnosed with cancer each week and an average of 15.7 individuals died from cancer each week

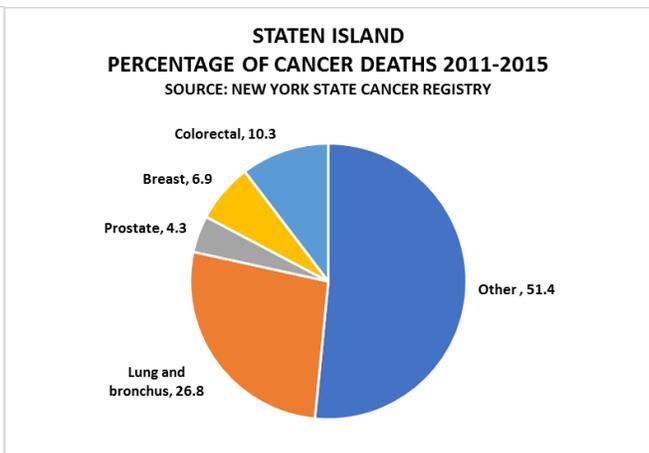
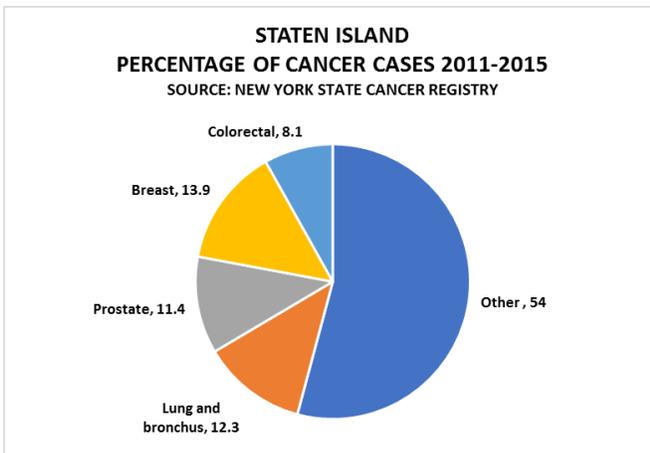
The changing burden on Staten Island*:

- There was an average of 518.7 cancer cases per 100,000 persons per year from 1996-2000. This rate was 513.5 from 2011-2015.
- There was an average of 208.9 cancer deaths per 100,000 persons per year from 1996-2000. This rate was 151.8 from 2011-2015.



Between 2011-2015, four cancer sites represented 48.1 percent of all cancer cases and 44.8 percent of all cancer deaths.*

- Lung & bronchus cancer account for **12.3 percent** of all cancer cases and **26.8 percent** of all cancer deaths.
- Prostate cancer accounts for **11.4 percent** of all cancer cases and **4.3 percent** of all cancer deaths.
- Female breast cancer accounts for **13.9 percent** of all cancer cases and **6.9 percent** of all cancer deaths.
- Colorectal cancer accounts for **8.1 percent** of all cancer cases and **10.3 percent** of all cancer deaths.



Staten Island Demographics		
	Staten Island	New York City
Total Population (2016)	476,015	8,537,673
Population Density (people/ sq. mile.2010)	8,030.3	27,013
Percent Population Age 65+ (2016)	15.4%	12.1%
Percent Population in Poverty (2015)	14.2%	20.6%
Median Household Income (2011-15)	\$73,197	\$53,373
Less than H.S. Diploma (% of 25+ pop., 2016)	11.3%	19.7%
Source: U.S. Census Bureau, 2016		

Staten Island Cases and Cancer Deaths Per Year, 2011-2015		
Cancer Site	Cases	Deaths
All sites	2843	817.2
Lung and bronchus	351.6	219.6
Prostate	325.6	35.6
Breast	396.4	57
Colorectal	233	84.8
Source: NYS DOH, State Cancer Registry, 2018		

Staten Island Average Annual Incidence and Mortality Rates Per 100,000 People, 2011-2015*													
All Cancers (malignant sites)					Prostate								
		Incidence Rates			Mortality Rates					Incidence Rates		Mortality Rates	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Staten Island		577.1	491.5	184	130.4	125.4	N/A	18.1	N/A				
New York City		509.1	419.5	169.8	124.1	134.8	N/A	20.7	N/A				
New York State		542	454.8	180.8	133.7	131.7	N/A	18.4	N/A				
Colorectal					Cervical								
		Incidence Rates			Mortality Rates					Incidence Rates		Mortality Rates	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Staten Island		49.4	38.2	18.2	14.3								
New York City		47.7	34.7	16.9	12.1								
New York State		46	35	16.1	11.6								
Female Breast					Lung and Bronchus								
		Incidence Rates			Mortality Rates					Incidence Rates		Mortality Rates	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Staten Island		N/A	134.8	N/A	18	76.1	56.5	50.9	33.4				
New York City		N/A	121.2	N/A	20.2	59.7	41.7	39.9	24.1				
New York State		N/A	131.3	N/A	19.8	69.1	54.1	46.8	32.3				
*Rates are per 100,000 persons age-adjusted to the 2010 U.S. standard population													
#Rate is suppressed when fewer than 4 cases or deaths to ensure statistical reliability													
Source: NYS DOH, State Cancer Registry, 2018													

Staten Island Percent of Cases Detected at Early Stage, 2011-2015							
Cancer Site	Staten Island	All NYC	All NYS	Cancer Site	Staten Island	All NYC	All NYS
Colorectal	40.2	40.8	41	Prostate	82.4	80.1	80.6
Lung	25.7	24.9	23.8	Cervical	48.4	44	43.6
				Female Breast	67.1	63.4	66.8
The best survival rate occurs for those who are diagnosed with early stage disease. The higher the number the better.							
Source: NYS DOH, State Cancer Registry, 2018							