

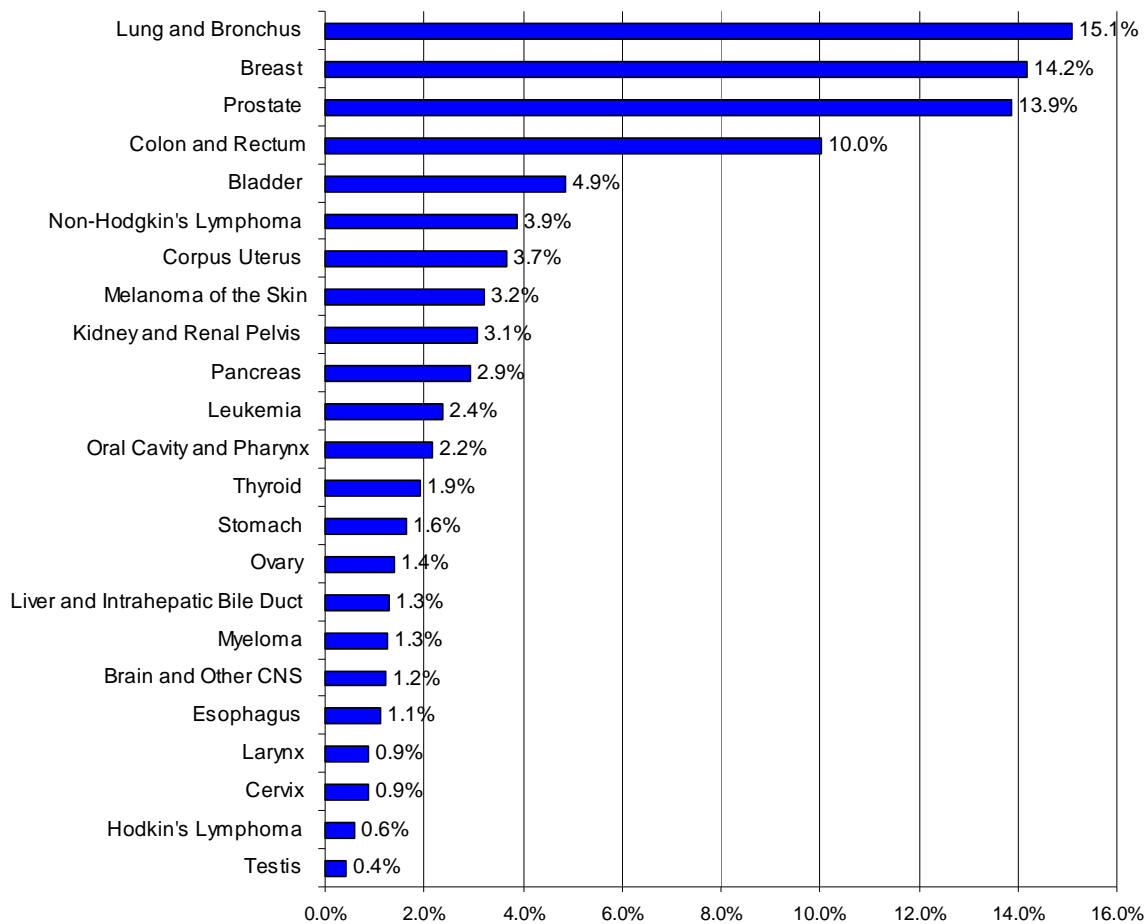
2005-2009 Overall Summary

There were approximately 7,629 new cases of invasive cancer of all types diagnosed each year among Cuyahoga County residents with an age-adjusted rate of 488.4 per 100,000 people. This rate is 4.8% **higher** than the nation (465.2 per 100,000).

The top four most diagnosed cancer types in Cuyahoga County were consistent with the nation: Lung and bronchus – 15.1%, Breast – 14.2%, Prostate – 13.9%, Colon and rectum – 10.0%, All other types of cancer – 46.8%

Chart 1a

Percentage of New Diagnosed Cancer Cases among Cuyahoga County Residents from 2005-2009



Comparing Cuyahoga County Diagnosis Rates to the Nation

The rates of lung and bronchus cancer diagnoses were 13.4% **higher** than the nation.
 The rates of female breast cancer diagnoses were and 2.7% **higher** than the nation.
 The rates of prostate cancer diagnoses were 0.7% **lower** than the nation.
 The rates of colon and rectum cancer diagnoses were 3.2% **higher** than the nation.

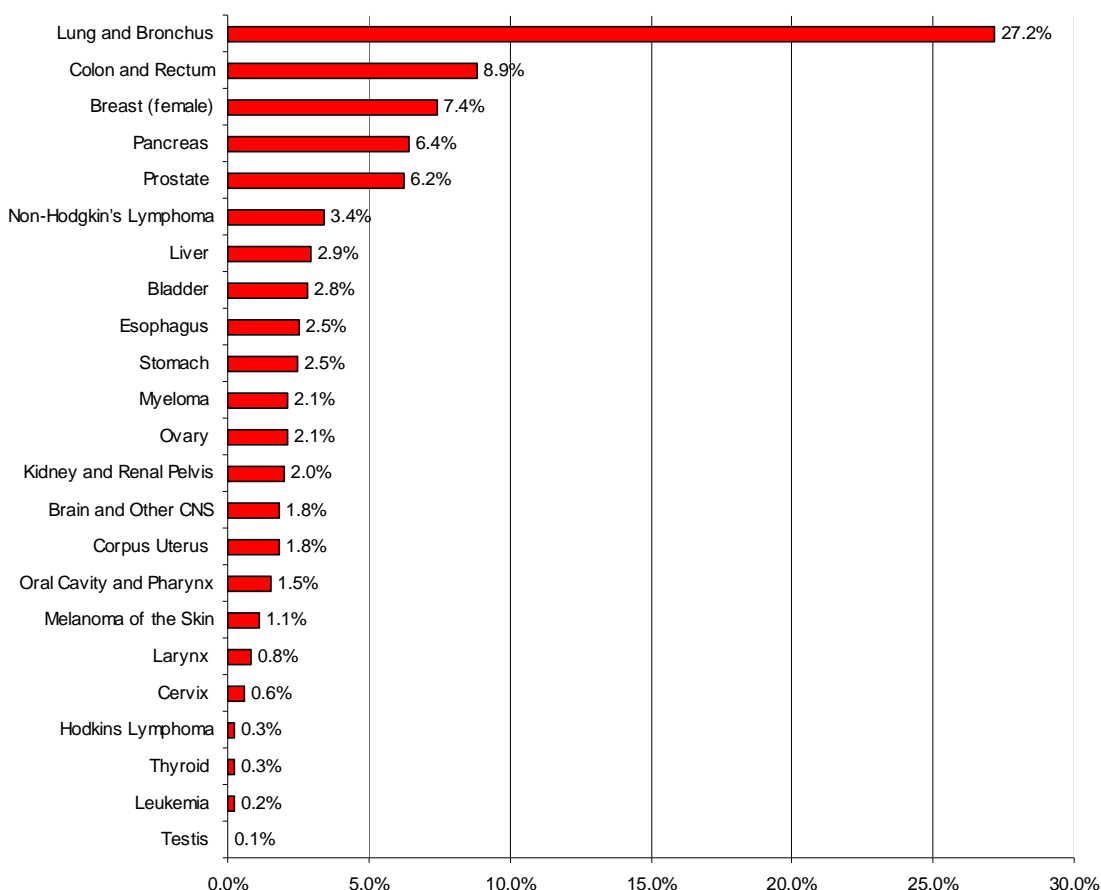
2005-2009 Overall Summary (continued)

There were approximately 3,191 cancer deaths of all types each year among Cuyahoga County residents with an age-adjusted rate of 196.3 per 100,000 people. This rate is 9.0% **higher** than the nation (178.7 per 100,000).

The top four most frequent types of cancer deaths in Cuyahoga County were consistent with the nation, with the exception of pancreatic cancer. (Nationally, prostate cancer deaths were more frequent than pancreatic cancer deaths): Lung and bronchus – 27.2%, Colon and rectum – 8.9%, Breast – 7.4%, Pancreas – 6.4%, All other types of cancer – 50.1%

Chart 1b

Percentage of Cancer Deaths by Type among Cuyahoga County Residents from 2005-2009



Comparing Cuyahoga County Mortality Rates to the Nation

The rates of lung and bronchus cancer deaths were 6.3% **higher** than the nation.

The rates of colon cancer deaths were 2.6% **higher** than the nation

The rates of female breast cancer deaths were 12.1% **higher** than the nation.

The rates of pancreatic deaths were 14.7% **higher** than the nation.

The rates of prostate cancer deaths were 23.0% **higher** than the nation.

2005-2009 Cancer Summary by Gender

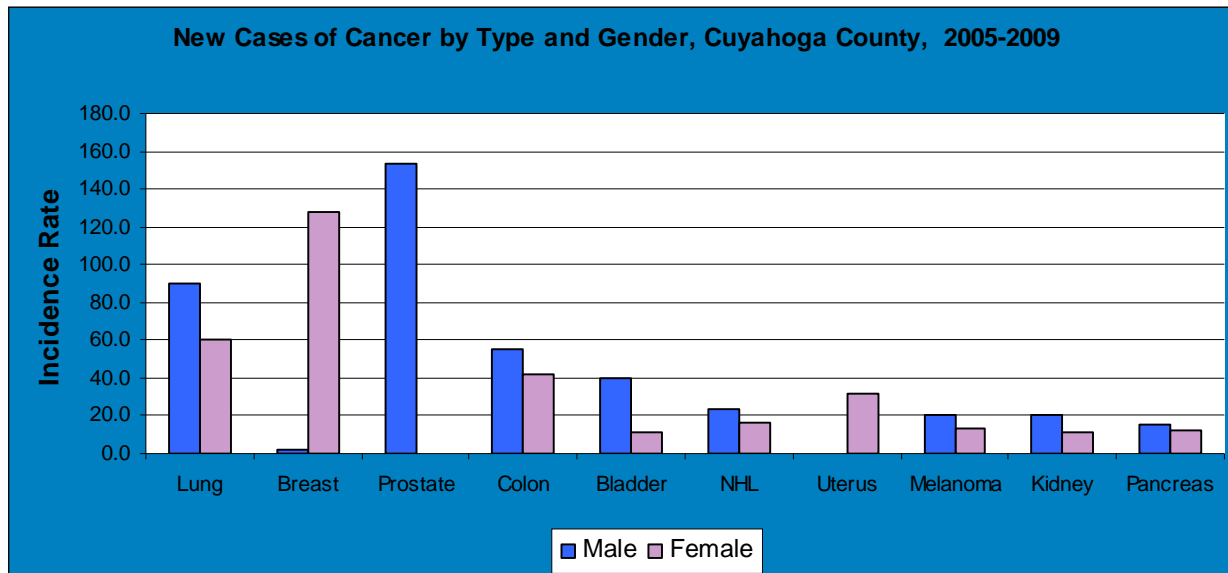
Incidence

Cuyahoga County experienced an average of 7,629 new cases every year of invasive cancer during 2005—2009, with an age-adjusted incidence rate of 488.4 per 100,000 people. Of those diagnosed 3,756 cases (49.2 percent) were among males and 3,873 cases were among females.

Table 1a

Incidence Rates (New Cases of Cancer) per 100,000 population by Type and Gender, Cuyahoga County, 2005-2009		
	Male	Female
Lung and Bronchus	90.0	60.1
Breast	1.8	127.8
Prostate	153.8	0.0
Colon and Rectum	55.4	42.4
Bladder	39.8	11.1
Non-Hodgkin's Lymphoma	23.7	16.0
Corpus Uterus	0.0	31.9
Melanoma of the Skin	20.9	13.7
Kidney and Renal Pelvis	20.9	11.0
Pancreas	15.7	12.3

Chart 1c



2005-2009 Cancer Summary by Gender (continued)

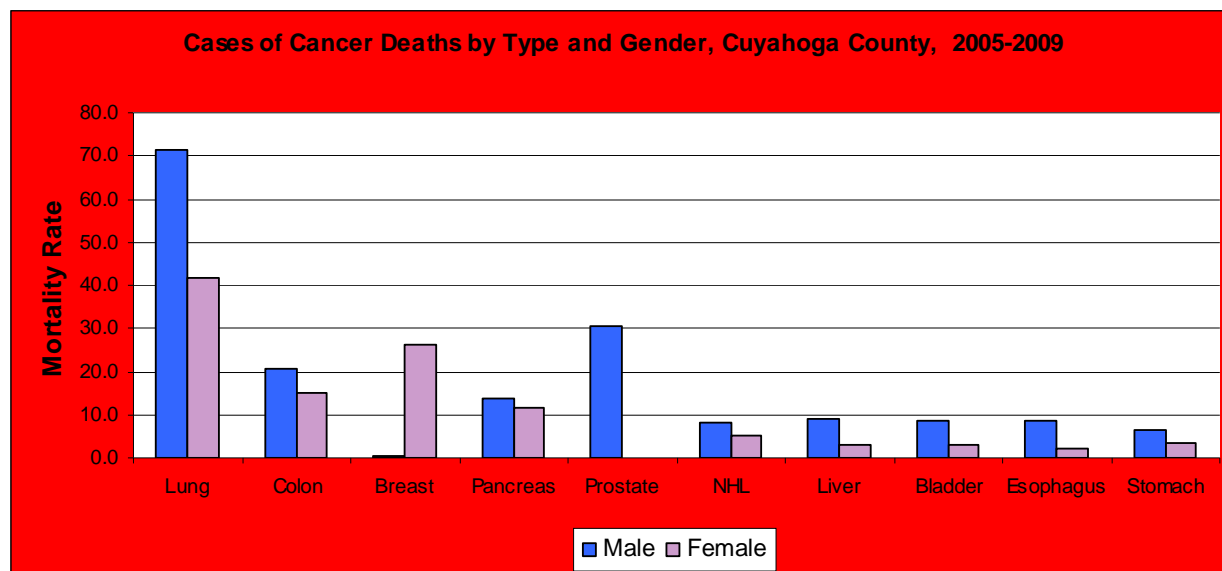
Mortality

Cuyahoga County experienced an average of 3,191 cancer deaths every year during 2005—2009, with an age-adjusted mortality rate of 196.3 per 100,000 people. Of these deaths, 1,610 cases (50.5 percent) were among males and 1,582 cases were among females.

Table 1b

Mortality Rates (Cases of Cancer Deaths) per 100,000 population by Type and Gender, Cuyahoga County, 2005-2009		
	Male	Female
Lung and Bronchus	71.4	41.9
Colon and Rectum	20.5	14.9
Breast	0.4	26.2
Pancreas	13.9	11.6
Prostate	30.6	0.0
Non-Hodgkin's Lymphoma	8.4	5.4
Liver	9.1	3.0
Bladder	8.8	3.1
Esophagus	8.7	2.2
Stomach	6.5	3.6

Chart 1d

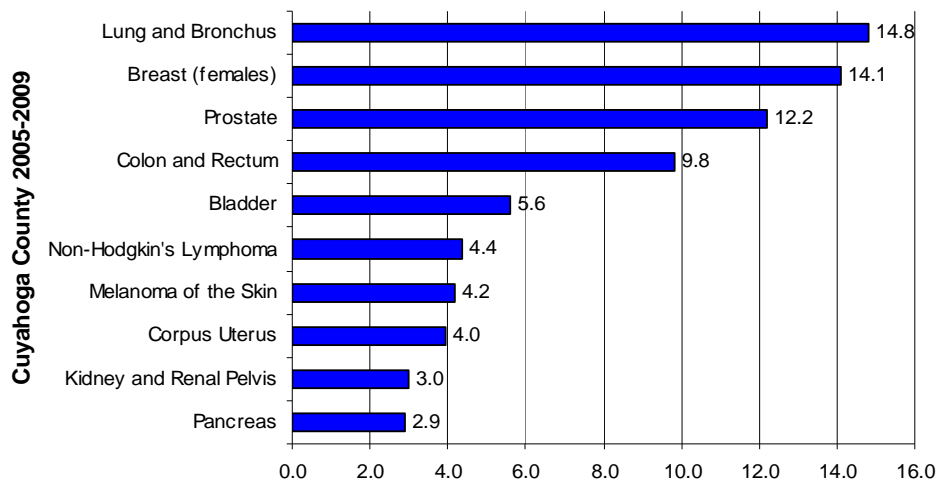


2005-2009 Cancer Summary by Gender, Race, and Place Incidence

- 71.9 percent of newly diagnosed cases of cancer occurred among whites, with an age-adjusted incidence rate of 489.6 per 100,000 people.
 - The top 5 most common cancer diagnoses among whites include lung and bronchus, breast (females), prostate, colon and rectum, and bladder.

Chart 1e

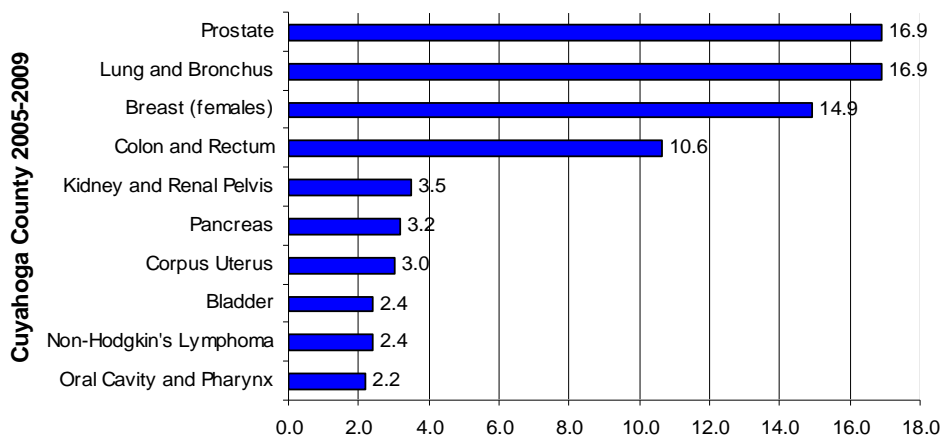
Ten Most Diagnosed Cancer Cases for Whites (%)



- 24.9 percent of newly diagnosed cases of cancer occurred among blacks, with an age-adjusted incidence rate of 494.3 per 100,000 people.
 - The top 5 most common cancer diagnoses among blacks include prostate, lung and bronchus, breast (females), colon and rectum, and kidney and renal pelvis.

Chart 1f

Ten Most Diagnosed Cancer Cases for Blacks (%)



2005-2009 Cancer Summary by Gender, Race, and Place (continued)

The following tables indicate new cases of cancer (incidence rates) by gender, race, and geographic area. They compare white males, white females, black males, black females, and total numbers for the City of Cleveland, First Ring Suburbs, Outer Ring Suburbs, and Cuyahoga County (please see Technical Appendices for a map of these geographic areas). The rates for the nation are also presented with a column indicating the differences between the Cuyahoga County rate and the nation.

Table 1c

Incidence Rates (New Cases of Cancer) per 100,000 population by Gender, Race, and Place from 2005-2009						
	All Sites					
	Cleveland	First Ring	Outer Ring	Cuyahoga	Nation	% Difference between Cuyahoga County and the Nation
White Males	625.2	546.4	506.3	548.5	542.7	1.1
White Females	541.7	441.8	423.8	455.0	423.1	7.5
Black Males	614.0	543.0	486.0	589.0	627.1	(6.1)
Black Females	469.0	378.5	358.9	435.0	398.3	9.2
White Total	569.5	479.1	455.9	489.6	471.7	3.8
Black Total	524.5	440.0	410.6	494.3	489.5	1.0
Total (all races)	531.0	471.0	454.2	488.4	465.2	5.0
	Breast (females)					
	Cleveland	First Ring	Outer Ring	Cuyahoga	Nation	% Difference between Cuyahoga County and the Nation
White Females	124.3	128.9	131.2	130.8	127.3	2.7
Black Females	122.7	129.1	117.3	127.2	121.2	5.0
Total (all races)	118.9	129.0	128.7	127.7	124.3	2.8
	Colon and Rectum					
	Cleveland	First Ring	Outer Ring	Cuyahoga	Nation	% Difference between Cuyahoga County and the Nation
White Males	72.2	53.4	46.3	53.6	53.1	0.9
White Females	55.9	38.4	35.9	40.4	39.2	3.1
Black Males	71.5	48.7	49.5	63.3	66.9	(5.4)
Black Females	52.3	39.1	36.0	46.8	50.3	(6.9)
White Total	63.1	44.7	40.4	46.1	45.4	1.6
Black Total	59.5	42.6	41.9	53.0	57.0	(7.0)
Total (all races)	60.0	44.4	40.7	47.8	46.3	3.3
	Non-Hodgkin's Lymphoma					
	Cleveland	First Ring	Outer Ring	Cuyahoga	Nation	% Difference between Cuyahoga County and the Nation
White Males	26.1	26.4	25.4	26.7	24.8	7.7
White Females	21.8	16.2	16.9	17.8	17.1	4.1
Black Males	13.4	13.3	9.8	13.6	17.5	(22.3)
Black Females	13.1	7.0	11.8	11.0	11.8	(7.1)
White Total	23.6	20.6	20.6	21.7	20.5	5.8
Black Total	13.2	9.5	11.1	12.1	14.3	(15.3)
Total (all races)	17.3	18.1	20.3	19.3	19.6	(1.7)

*Rates were suppressed if there were less than 5 cases total during the time period 2005-2009

Table 1c (continued)

Incidence Rates (New Cases of Cancer) per 100,000 population by Gender, Race, and Place from 2005-2009						
Lung and Bronchus						
	Cleveland	First Ring	Outer Ring	Cuyahoga	Nation	% Difference between Cuyahoga County and the Nation
White Males	135.0	86.6	68.1	85.9	76.4	12.4
White Females	97.9	55.2	47.8	58.8	55.1	6.8
Black Males	126.0	89.4	72.4	109.5	99.9	9.6
Black Females	74.5	58.0	45.0	66.3	52.6	26.0
White Total	113.2	67.9	56.1	70.0	64.1	9.2
Black Total	94.6	69.9	56.0	83.1	71.3	16.6
Total (all races)	99.6	67.7	55.5	72.3	62.6	15.5
Prostate (males)						
	Cleveland	First Ring	Outer Ring	Cuyahoga	Nation	% Difference between Cuyahoga County and the Nation
White Males	109.5	127.7	136.5	131.8	146.9	(10.3)
Black Males	188.4	211.8	210.5	202.7	236.0	(14.1)
Total (all races)	153.2	153.9	146.7	153.7	154.8	(0.7)
Bladder						
	Cleveland	First Ring	Outer Ring	Cuyahoga	Nation	% Difference between Cuyahoga County and the Nation
White Males	46.5	45.1	41.9	44.5	40.0	11.3
White Females	14.8	11.8	11.2	12.1	9.6	25.9
Black Males	19.6	21.5	12.3	19.9	21.2	(6.2)
Black Females	8.3	6.0	5.6	7.5	7.1	4.9
White Total	28.5	25.3	24.1	25.6	22.5	13.7
Black Total	12.6	11.8	8.2	12.3	12.6	(2.8)
Total (all races)	19.7	22.6	23.7	22.8	20.8	9.6
Corpus Uterus (females)						
	Cleveland	First Ring	Outer Ring	Cuyahoga	Nation	% Difference between Cuyahoga County and the Nation
White Females	41.8	36.3	31.7	35.5	24.8	43.1
Black Females	28.2	21.9	21.1	25.3	21.8	16.2
Total (all races)	32.9	31.8	30.1	31.9	24.1	32.3

*Rates were suppressed if there were less than 5 cases total during the time period 2005-2009

Table 1c (continued)

Incidence Rates (New Cases of Cancer) per 100,000 population by Gender, Race, and Place from 2005-2009						
	Melanoma of the Skin					
	Cleveland	First Ring	Outer Ring	Cuyahoga	Nation	% Difference between Cuyahoga County and the Nation
White Males	17.9	26.2	30.8	27.5	31.6	(12.8)
White Females	15.6	19.6	18.0	18.5	19.9	(6.9)
Black Males	*	*	*	1.4	1.1	31.7
Black Females	1.0	*	*	0.8	0.9	(9.6)
White Total	16.4	21.8	23.5	22.1	24.7	(10.5)
Black Total	1.0	*	*	1.0	1.0	3.7
Total (all races)	8.0	16.6	21.9	16.6	21.0	(21.1)
	Kidney and Renal Pelvis					
	Cleveland	First Ring	Outer Ring	Cuyahoga	Nation	% Difference between Cuyahoga County and the Nation
White Males	22.0	22.4	18.1	20.6	21.2	(2.8)
White Females	13.0	9.0	10.4	10.7	10.7	(0.2)
Black Males	20.6	27.1	21.3	23.1	24.3	(4.9)
Black Females	14.5	9.5	12.3	13.0	12.0	8.5
White Total	17.0	14.7	13.9	15.0	15.5	(3.2)
Black Total	17.2	16.3	16.3	17.2	17.2	(0.1)
Total (all races)	16.2	14.7	14.1	15.2	15.1	0.8
	Pancreas					
	Cleveland	First Ring	Outer Ring	Cuyahoga	Nation	% Difference between Cuyahoga County and the Nation
White Males	15.9	18.8	12.1	15.2	13.7	11.3
White Females	11.6	11.9	11.3	11.8	10.6	11.7
Black Males	18.3	14.9	10.2	17.2	17.7	(3.0)
Black Females	18.0	10.5	9.7	14.8	14.4	2.8
White Total	13.4	14.8	11.6	13.3	12.0	11.0
Black Total	18.5	12.2	9.8	16.0	15.8	1.0
Total (all races)	15.8	14.0	11.6	13.8	12.1	14.1

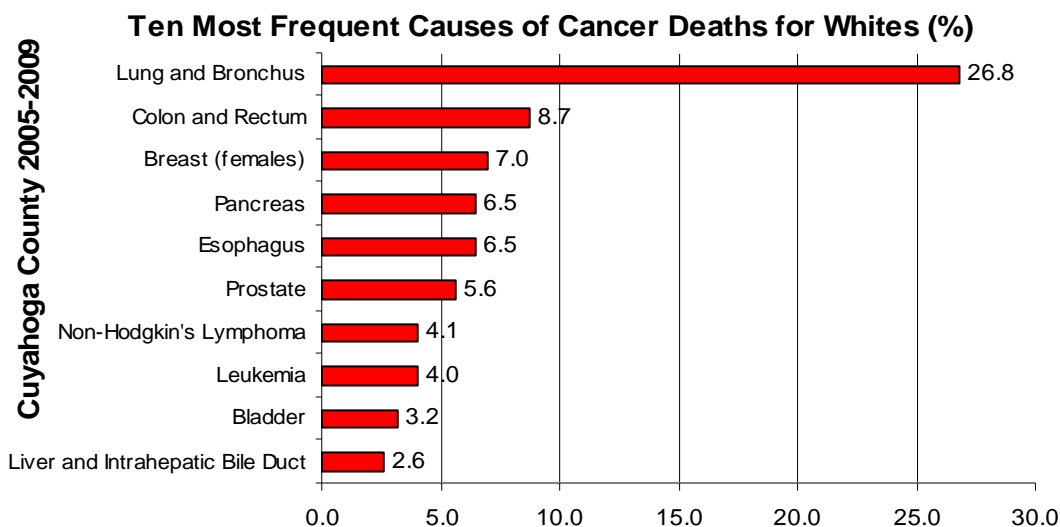
*Rates were suppressed if there were less than 5 cases total during the time period 2005-2009

2005-2009 Cancer Summary by Gender, Race, and Place (continued)

Mortality

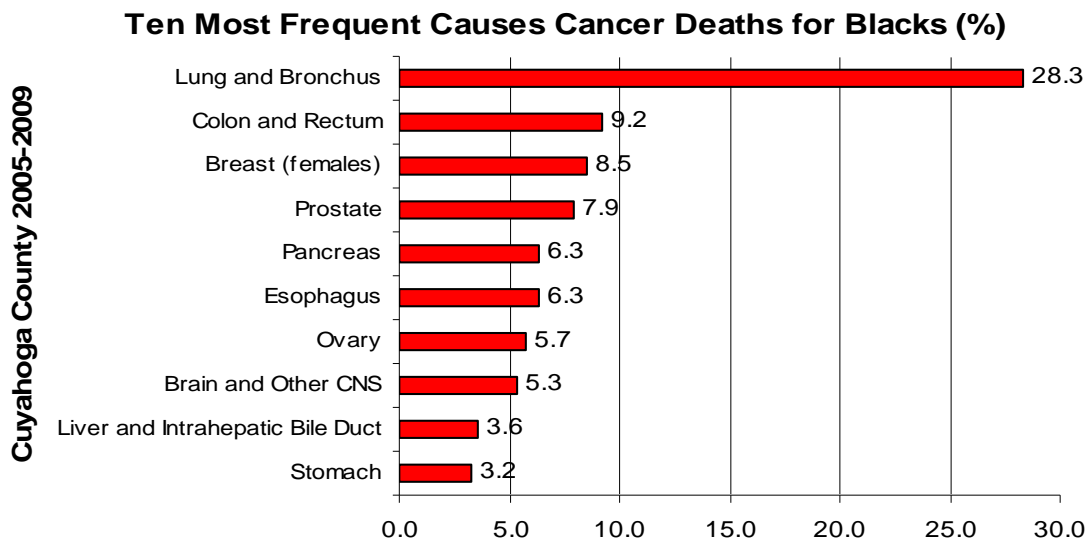
- 71.3 percent of deaths caused by cancer occurred among whites, with an age-adjusted mortality rate of 189.1 per 100,000 people.
 - The top 5 leading causes of cancer deaths among whites include lung and bronchus, colon and rectum, breast (females), pancreas, and esophagus.

Chart 1g



- 28.0 percent of deaths caused by cancer occurred among blacks, with an age-adjusted mortality rate of 235.6 per 100,000 people.
- The top 5 leading causes of cancer deaths among blacks include lung and bronchus, colon and rectum, breast (females), prostate, and pancreas.

Chart 1h



2005-2009 Cancer Summary by Gender, Race, and Place (continued)

The following tables indicate cases of cancer deaths (mortality rates) by gender, race, and place. They compare white males, white females, black males, black females, and total numbers for the City of Cleveland, First Ring Suburbs, Outer Ring Suburbs, and Cuyahoga County. The rates for the nation are also presented with a column indicating the differences between the Cuyahoga County rate and the nation.

Table 1d

Mortality Rates (Death Cancer Cases) per 100,000 population by Gender, Race, and Place from 2005-2009						
	All Sites					
	Cleveland	First Ring	Outer Ring	Cuyahoga	Nation	% Difference between Cuyahoga County and the Nation
White Males	339.0	238.9	188.4	231.6	216.7	6.9
White Females	234.3	159.8	135.7	161.2	150.8	6.9
Black Males	343.4	253.0	193.0	300.9	288.3	4.4
Black Females	226.4	164.2	126.9	196.4	174.6	12.5
White Total	276.4	190.0	156.8	189.1	177.6	6.5
Black Total	270.7	196.1	152.7	235.6	216.4	8.9
Total (all races)	262.0	188.6	154.5	196.3	178.7	9.9
	Colon and Rectum					
	Cleveland	First Ring	Outer Ring	Cuyahoga	Nation	% Difference between Cuyahoga County and the Nation
White Males	28.5	18.0	15.0	18.5	19.5	(5.3)
White Females	25.0	13.6	11.4	14.4	13.6	5.9
Black Males	30.4	26.8	25.3	28.8	29.8	(3.3)
Black Females	21.1	13.3	13.7	17.8	19.8	(10.1)
White Total	26.3	15.2	12.8	16.0	16.2	(1.4)
Black Total	24.7	18.4	18.3	22.1	23.7	(6.7)
Total (all races)	24.4	15.6	13.1	17.2	16.7	2.7
	Pancreas					
	Cleveland	First Ring	Outer Ring	Cuyahoga	Nation	% Difference between Cuyahoga County and the Nation
White Males	15.3	16.2	11.3	13.8	12.4	11.2
White Females	12.0	11.2	10.3	11.0	9.3	18.5
Black Males	18.9	10.5	8.4	15.4	15.5	(0.9)
Black Females	17.4	10.4	9.3	14.4	12.6	14.1
White Total	13.4	13.3	10.8	12.3	10.7	14.5
Black Total	18.2	10.7	8.9	15.0	13.8	8.5
Total (all races)	15.5	12.5	10.6	12.7	10.8	17.2
	Non-Hodgkin's Lymphoma					
	Cleveland	First Ring	Outer Ring	Cuyahoga	Nation	% Difference between Cuyahoga County and the Nation
White Males	10.6	10.2	8.0	9.3	8.7	7.4
White Females	7.8	6.3	5.5	6.2	5.4	15.6
Black Males	6.3	4.4	*	5.2	6.1	(14.4)
Black Females	3.9	1.9	3.3	3.2	3.6	(11.2)
White Total	8.9	7.8	6.6	7.5	6.8	10.2
Black Total	4.9	2.9	3.2	4.1	4.6	(11.0)
Total (all races)	6.4	6.7	6.3	6.6	6.6	(0.2)

*Rates were suppressed if there were less than 5 cases total during the time period 2005-2009

Table 1d (continued)

Mortality Rates (Death Cancer Cases) per 100,000 population by Gender, Race, and Place from 2005-2009						
Lung and Bronchus						
	Cleveland	First Ring	Outer Ring	Cuyahoga	Nation	% Difference between Cuyahoga County and the Nation
White Males	113.4	68.4	49.9	66.8	65.3	2.3
White Females	71.3	39.8	30.9	40.7	40.8	(0.1)
Black Males	117.9	67.2	47.8	94.8	82.6	14.7
Black Females	57.3	38.5	29.4	48.2	38.0	26.9
White Total	88.7	51.5	38.8	51.6	51.2	0.8
Black Total	81.2	49.2	37.1	66.3	55.4	19.7
Total (all races)	81.0	50.1	37.9	54.0	50.6	6.7
Breast (females)						
	Cleveland	First Ring	Outer Ring	Cuyahoga	Nation	% Difference between Cuyahoga County and the Nation
White Females	29.6	24.3	22.0	24.4	22.4	8.9
Black Females	33.1	33.6	29.3	33.4	31.6	5.6
Total (all races)	30.2	26.4	22.3	26.2	12.9	102.9
Prostate (males)						
	Cleveland	First Ring	Outer Ring	Cuyahoga	Nation	% Difference between Cuyahoga County and the Nation
White Males	32.5	25.7	22.5	25.2	21.7	16.0
Black Males	58.1	48.6	38.9	53.2	53.1	0.3
Total (all races)	44.7	29.8	23.2	30.6	23.6	29.8
Liver						
	Cleveland	First Ring	Outer Ring	Cuyahoga	Nation	% Difference between Cuyahoga County and the Nation
White Males	16.2	7.3	5.7	8.0	7.4	8.5
White Females	4.1	2.4	2.4	2.7	3.1	(14.0)
Black Males	15.6	9.2	9.2	13.0	11.9	9.4
Black Females	5.3	2.1	5.1	4.2	4.0	3.8
White Total	9.7	4.4	3.9	5.0	5.0	0.8
Black Total	9.8	4.8	6.9	7.9	7.3	8.1
Total (all races)	9.3	4.4	4.1	5.7	5.5	3.1

*Rates were suppressed if there were less than 5 cases total during the time period 2005-2009

Table 1d (continued)

Mortality Rates (Death Cancer Cases) per 100,000 population by Gender, Race, and Place from 2005-2009						
	Bladder					
	Cleveland	First Ring	Outer Ring	Cuyahoga	Nation	% Difference between Cuyahoga County and the Nation
White Males	11.8	9.4	8.4	9.4	8.0	18.1
White Females	4.8	3.5	2.4	3.1	2.2	43.1
Black Males	6.7	5.3	9.3	6.6	5.6	17.0
Black Females	4.5	2.2	*	3.3	2.6	26.7
White Total	7.7	5.7	4.8	5.6	4.5	24.3
Black Total	5.4	3.2	3.8	4.5	3.7	21.7
Total (all races)	6.2	5.1	4.7	5.3	4.4	20.0
	Esophagus					
	Cleveland	First Ring	Outer Ring	Cuyahoga	Nation	% Difference between Cuyahoga County and the Nation
White Males	11.6	9.7	8.2	9.4	7.9	19.1
White Females	3.1	1.3	1.8	1.8	1.6	13.0
Black Males	6.9	7.4	7.8	7.7	8.2	(6.6)
Black Females	4.1	2.2	0.0	3.1	2.2	41.3
White Total	7.0	4.8	4.6	5.1	4.4	15.4
Black Total	5.2	4.1	3.0	4.8	4.6	5.2
Total (all races)	5.7	4.6	4.3	4.9	4.3	14.2
	Stomach					
	Cleveland	First Ring	Outer Ring	Cuyahoga	Nation	% Difference between Cuyahoga County and the Nation
White Males	7.9	4.5	5.3	5.5	4.3	28.0
White Females	3.1	3.4	2.4	2.8	2.2	29.3
Black Males	11.3	10.8	8.2	11.0	10.3	6.7
Black Females	6.3	5.4	*	5.5	4.8	13.7
White Total	5.2	3.9	3.6	4.0	3.1	28.8
Black Total	8.3	7.3	3.9	7.6	6.9	10.1
Total (all races)	6.6	4.6	3.8	4.8	3.6	33.5

*Rates were suppressed if there were less than 5 cases total during the time period 2005-2009