

Erie County Cancer Incidence & Mortality, 2006-2008

Epidemiology

ERIE COUNTY DEPARTMENT OF HEALTH
Public Health Preparedness Division



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PUBLIC HEALTH
PREPAREDNESS
DIVISION

Erie County Cancer Incidence & Mortality, 2006-2008

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*“Our mission is to preserve, promote, and protect
the health, safety and well-being of the people and the environment in Erie County.”*

CONTENTS

Erie County Cancer Incidence by Primary Site, 2006-2008	4
Erie County New Cancer Cases - Major Primary Sites, 2006-2008	5
Erie County Cancer Mortality by Primary Site, 2006-2008	6
Erie County Cancer Deaths - Major Primary Sites, 2006-2008	7

ERIE COUNTY CANCER INCIDENCE, 2006-2008

Total Population				Male				Female			
Cancer Site/Type	# of Cases (%)	Erie Co. Rate	PA Rate	Cancer Site/Type	# of Cases (%)	Erie Co. Rate	PA Rate	Cancer Site/Type	# of Cases (%)	Erie Co. Rate	PA Rate
All Cancer Sites	4,630 (100.0)	490.9	508.7	All Cancer Sites	2,354 (100.0)	579.4	596.1	All Cancer Sites	2,276 (100.0)	440.3	453.0
Prostate	686 (14.8)	164.8	160.0	Prostate	686 (29.1)	164.8	160.0	Breast	652 (28.6)	127.2	125.9
Bronchus & Lung	662 (14.3)	69.1	70.3	Bronchus & Lung	330 (14.0)	82.7	88.8	Bronchus & Lung	332 (14.6)	61.8	57.8
Breast (Female)	652 (14.1)	127.2	125.9	Colon & Rectum	236 (10.0)	59.3	60.6	Colon & Rectum	227 (10.0)	41.2	45.3
Colon & Rectum	463 (10.0)	48.8	51.9	Urinary Bladder	170 (7.2)	45.5	46.3	Corpus & Uterus, NOS	143 (6.3)	27.9	30.7
Urinary Bladder	218 (4.7)	22.6	25.5	Non-Hodgkin Lymphoma	96 (4.1)	23.2	25.2	Thyroid	118 (5.2)	27.1	25.6
Non-Hodgkin Lymphoma	189 (4.1)	19.9	20.9	Kidney & Renal Pelvis	88 (3.7)	20.9	23.6	Non-Hodgkin Lymphoma	93 (4.1)	17.3	17.7
Thyroid	151 (3.3)	17.6	17.1	Oral Cavity & Pharynx	78 (3.3)	18.9	16.5	Ovary	70 (3.1)	13.8	13.3
Kidney & Renal Pelvis	145 (3.1)	15.5	17.1	Melanoma	72 (3.1)	17.4	21.8	Pancreas	66 (2.9)	11.6	11.3
Corpus & Uterus, NOS	143 (3.1)	27.9	30.7	Pancreas	65 (2.8)	15.8	14.8	Melanoma	64 (2.8)	14.0	15.4
Melanoma	136 (2.9)	15.2	17.8	Leukemia	57 (2.4)	14.4	16.5	Kidney & Renal Pelvis	57 (2.5)	11.1	12.0
Pancreas	131 (2.8)	13.6	12.8	Esophagus	48 (2.0)	11.2	10.1	Urinary Bladder	48 (2.1)	8.5	11.1
Oral Cavity & Pharynx	110 (2.4)	11.7	11.0	Multiple Myeloma	44 (1.9)	10.7	7.1	Leukemia	47 (2.1)	9.2	9.9
Leukemia	104 (2.2)	11.3	12.6	Stomach	43 (1.8)	10.4	10.8	Cervix Uteri	34 (1.5)	8.1	8.0
Ovary	70 (1.5)	13.8	13.3	Brain & Other Nervous System	33 (1.4)	8.0	8.5	Oral Cavity & Pharynx	32 (1.4)	6.1	6.4
Stomach	67 (1.4)	7.0	7.2	Thyroid	33 (1.4)	8.0	8.2	Brain & Other Nervous System	28 (1.2)	5.5	6.3
Multiple Myeloma	65 (1.4)	6.9	5.6	Liver & Intrahepatic Bile Duct	33 (1.4)	7.6	10.6	Stomach	24 (1.1)	4.2	4.4
Esophagus	62 (1.3)	6.4	5.6	Larynx	32 (1.4)	7.6	7.5	Multiple Myeloma	21 (0.9)	4.0	4.6
Brain & Other Nervous System	61 (1.3)	6.8	7.3	Testis	26 (1.1)	6.6	6.2	Hodgkin Lymphoma	17 (0.7)	3.5	3.0
Liver & Intrahepatic Bile Duct	41 (0.9)	4.2	6.5	Hodgkin Lymphoma	21 (0.9)	4.7	3.6	Esophagus	14 (0.6)	2.5	2.2
Larynx	40 (0.9)	4.1	4.1	All Other Sites	163 (6.9)	NA	NA	Larynx	8 (0.4)	**	1.5
Hodgkin Lymphoma	38 (0.8)	4.1	3.3					Liver & Intrahepatic Bile Duct	8 (0.4)	**	3.0
Cervix Uteri	34 (0.8)	8.1	8.0					All Other Sites	173 (7.6)	NA	NA
Testis	26 (0.5)	6.6	6.2								
All Other Sites	336 (8.3)	NA	NA								

Notes: Newly diagnosed cancer cases (primary invasive cancers and in situ urinary bladder cancers) in 2006-2008 were classified using the International Classification of Diseases for Oncology, Third Edition (ICD-O-3). The primary site and type groupings followed the site definitions used by the Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute. Incidence rates are per 100,000 population and were age-adjusted to the 2000 United States standard million population. All rate comparisons and determinations of statistically significant differences followed 95% confidence interval comparison methods for dependent and independent populations. Data were provided by the PA Cancer Registry and the Bureau of Health Statistics & Research, PA Department of Health, who disclaim responsibility for any of the content that appears in this report.

** = The number of cases is less than 10 and the corresponding rate is statistically unreliable

NA = Not Available

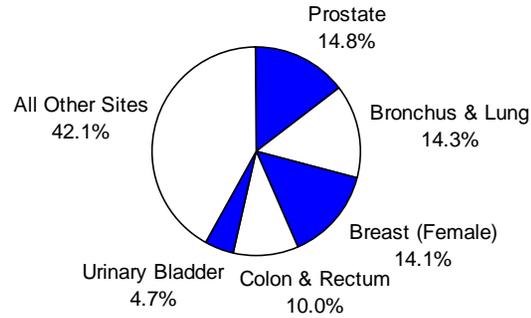
Blue = Significantly lower than the rate for PA

Red = Significantly higher than the rate for PA



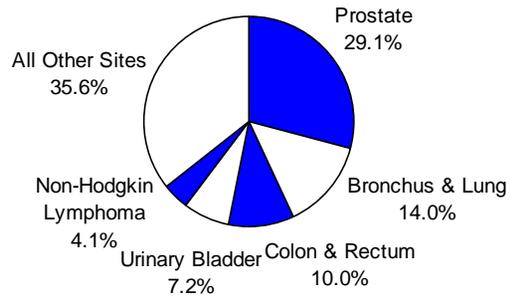
**Erie County New Cancer Cases, 2006-2008
Major Primary Sites for Total Population**

4,630 Cases



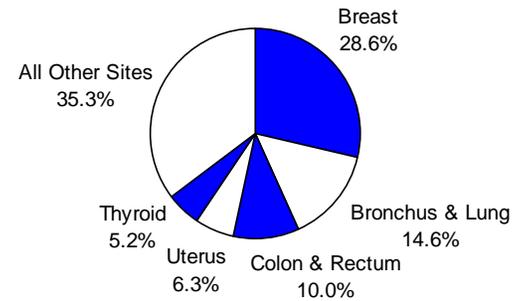
**Erie County New Cancer Cases, 2006-2008
Major Primary Sites for Male Population**

2,354 Cases



**Erie County New Cancer Cases, 2006-2008
Major Primary Sites for Female Population**

2,276 Cases



ERIE COUNTY CANCER MORTALITY, 2006-2008

Total Population				Male				Female			
Cancer Site/Type	# of Cases (%)	Erie Co. Rate	PA Rate	Cancer Site/Type	# of Cases (%)	Erie Co. Rate	PA Rate	Cancer Site/Type	# of Cases (%)	Erie Co. Rate	PA Rate
All Cancer Sites	1,912 (100.0)	200.3	191.6	All Cancer Sites	996 (100.0)	259.4	239.8	All Cancer Sites	916 (100.0)	166.3	161.2
Bronchus & Lung	560 (29.3)	58.6	52.2	Bronchus & Lung	294 (29.5)	75.5	69.9	Bronchus & Lung	266 (29.0)	48.4	40.2
Colon & Rectum	189 (9.9)	19.9	18.7	Prostate	110 (11.0)	30.8	25.8	Breast	133 (14.5)	25.2	24.4
Breast (Female)	133 (7.0)	25.2	24.4	Colon & Rectum	101 (10.1)	26.2	22.9	Colon & Rectum	88 (9.6)	15.6	15.9
Pancreas	124 (6.5)	12.9	11.9	Pancreas	58 (5.8)	14.7	14.0	Pancreas	66 (7.2)	11.5	10.2
Prostate	110 (5.8)	30.8	25.8	Esophagus	41 (4.1)	9.6	9.4	Ovary	51 (5.6)	9.2	9.1
Leukemia	65 (3.4)	6.8	7.8	Urinary Bladder	39 (3.9)	11.4	9.0	Leukemia	34 (3.7)	5.8	6.0
Non-Hodgkin Lymphoma	55 (2.9)	5.7	7.3	Leukemia	31 (3.1)	8.3	10.5	Corpus & Uterus, NOS	25 (2.7)	4.6	4.8
Esophagus	55 (2.9)	5.7	5.0	Non-Hodgkin Lymphoma	30 (3.0)	7.8	9.5	Non-Hodgkin Lymphoma	25 (2.7)	4.2	5.8
Urinary Bladder	52 (2.7)	5.4	5.0	Stomach	28 (2.8)	7.3	5.1	Kidney & Renal Pelvis	20 (2.2)	3.7	2.7
Ovary	51 (2.7)	9.2	9.1	Liver & Intrahepatic Bile Duct	28 (2.8)	6.4	7.7	Brain & Other Nervous System	19 (2.1)	3.5	3.4
Brain & Other Nervous System	41 (2.1)	4.4	4.1	Brain & Other Nervous System	22 (2.2)	5.1	4.9	Multiple Myeloma	17 (1.9)	2.8	2.9
Stomach	39 (2.0)	4.1	3.6	Melanoma	20 (2.0)	5.7	4.3	Esophagus	14 (1.5)	2.6	1.7
Liver & Intrahepatic Bile Duct	39 (2.0)	4.0	5.1	Multiple Myeloma	20 (2.0)	5.2	4.4	Urinary Bladder	13 (1.4)	2.2	2.6
Kidney & Renal Pelvis	39 (2.0)	4.0	4.0	Kidney & Renal Pelvis	19 (1.9)	4.8	5.8	Liver & Intrahepatic Bile Duct	11 (1.2)	2.0	3.0
Multiple Myeloma	37 (1.9)	3.8	3.5	Oral Cavity & Pharynx	16 (1.6)	3.9	3.6	Stomach	11 (1.2)	2.0	2.4
Melanoma	29 (1.5)	3.1	2.9	Larynx	9 (0.9)	**	2.5	Melanoma	9 (1.0)	**	1.8
Corpus & Uterus, NOS	25 (1.3)	4.6	4.8	Hodgkin Lymphoma	7 (0.7)	**	0.6	Cervix Uteri	9 (1.0)	**	2.3
Oral Cavity & Pharynx	19 (1.0)	2.0	2.3	Thyroid	1 (0.1)	**	0.5	Larynx	5 (0.5)	**	0.5
Larynx	14 (0.7)	1.5	1.3	Testis	1 (0.1)	**	0.3	Oral Cavity & Pharynx	3 (0.3)	**	1.3
Cervix Uteri	9 (0.5)	**	2.3	All Other Sites	121 (12.1)	NA	NA	Hodgkin Lymphoma	2 (0.2)	**	0.3
Hodgkin Lymphoma	9 (0.5)	**	0.5					Thyroid	2 (0.2)	**	0.5
Thyroid	3 (0.2)	**	0.5					All Other Sites	93 (10.2)	NA	NA
Testis	1 (0.1)	**	0.3								
All Other Sites	214 (11.2)	NA	NA								

Notes: Underlying causes of death in 2006-2008 were classified according to the International Classification of Diseases, Tenth Edition (ICD-10). The primary site and type groupings followed the site definitions used by the Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute. Incidence rates are per 100,000 population and were age-adjusted to the 2000 United States standard million population. All rate comparisons and determinations of statistically significant differences followed 95% confidence interval comparison methods for dependent and independent populations. Data were provided by the PA Cancer Registry and the Bureau of Health Statistics & Research, PA Department of Health, who disclaim responsibility for any of the content that appears in this report.

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