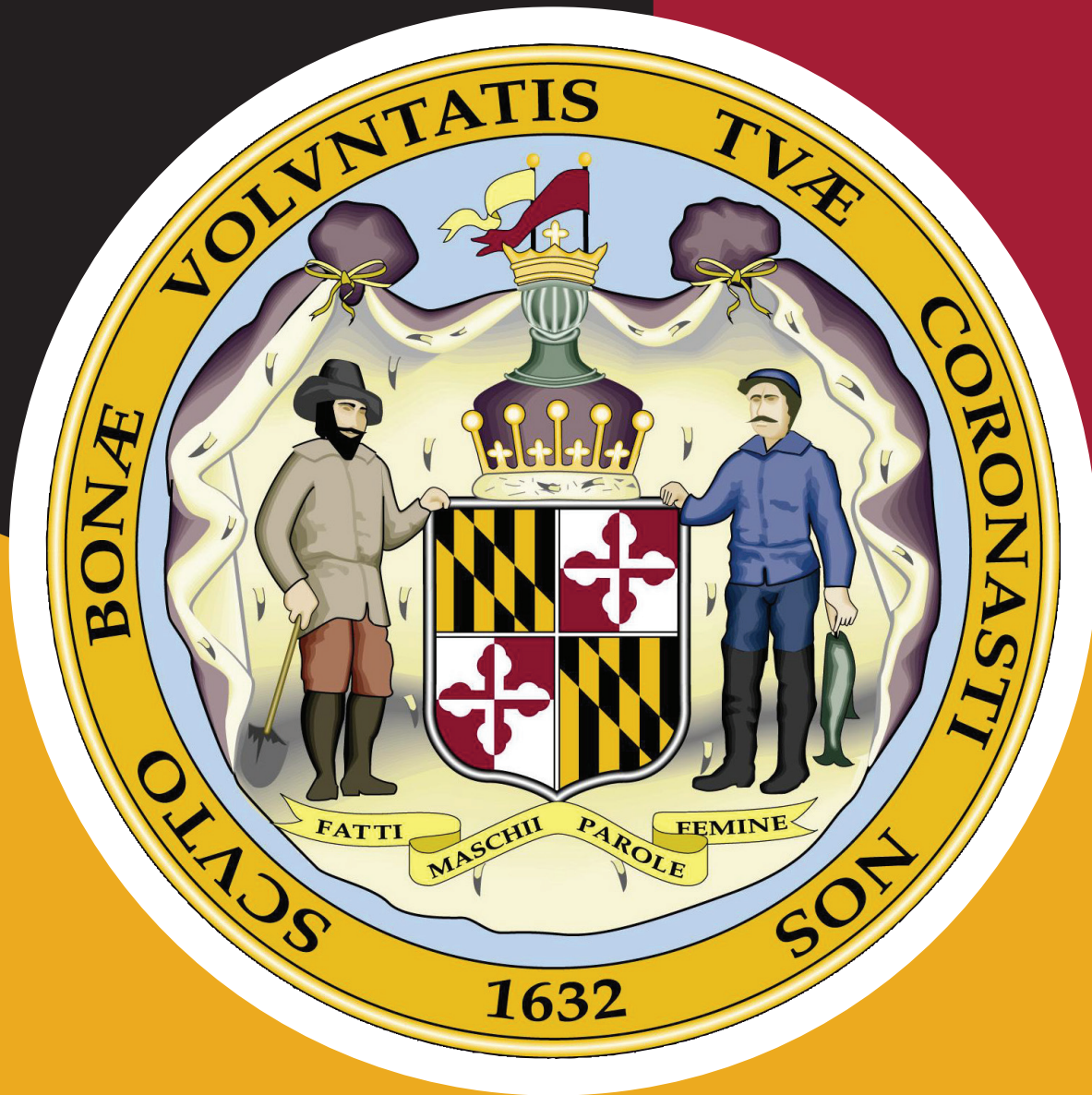


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Cancer in Maryland: 2013 Incidence and Mortality Report

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Cancer in Maryland: 2013 Incidence and Mortality Report

Maryland Cancer Registry
Center for Cancer Prevention and Control (CCPC)
Primary Care and Community Health Bureau
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I. DATA HIGHLIGHTS

Data presented in this report includes cancers reported for the year 2013 and are presented as age-adjusted rates and number of cancer cases and deaths by gender and race.

A. Incidence

- A total of 29,885 new cases of invasive cancer were diagnosed among Maryland residents in 2013.
- Most frequently diagnosed cancer by gender:
 - *Males:* **Prostate cancer** was the most frequently diagnosed cancer in 2013 among Maryland men with a total of **3,998** new cases.
 - *Females:* **Breast cancer** was the most frequently diagnosed cancer among Maryland women with a total of **4,810** new cases reported in 2013.

B. Mortality

- **10,609** Maryland residents died as a result of any type of cancer in 2013, making cancer the second leading cause of death in Maryland.
- Cancer of the lung, bronchus and trachea was the most common cause of cancer deaths among Marylanders with **2,673** cancer deaths in 2013. When observed separately by sex, lung, bronchus, and trachea cancer was the leading cause of death among both men and women.

Data suppression followed the Cigarette Restitution Fund Program rules located at: http://phpa.dhmdh.maryland.gov/cancer/Documents/Mortality%20Suppression%20Policy_01062013_FINAL.pdf.

II. INTRODUCTION

According to the Maryland Cancer Registry (MCR), a total of 31,000 Maryland residents were diagnosed with cancer in 2013. Cancer is the second leading cause of death in the United States, exceeded only by heart disease. In the U.S., cancer accounts for nearly one out of every four deaths; in 2013, approximately 580,350 Americans died of cancer (more than 1,590 people a day), and in Maryland, 10,609 people died from cancer.

A. Maryland Cancer Registry (MCR)

The MCR collects all new cases of reportable cancers diagnosed and/or treated in Maryland and is the State of Maryland's official source for cancer statistics.

History

In 1992, the Maryland General Assembly enacted Maryland Health-General Article §§ 18-203 and 18-204 which required hospitals, radiation therapy centers, and in- and out-of-state cancer diagnostic laboratories (that provide services to Maryland physicians) to electronically report all cancer cases diagnosed and/or treated in Maryland beginning July 1, 1993. In 1996, the laws were amended to require freestanding ambulatory care facilities, surgical centers, and physicians (whose non-hospitalized patients are not otherwise reported by either a hospital, radiation therapy center, surgical center or ambulatory care facility) to report cancer cases diagnosed and/or treated beginning with cases diagnosed January 1, 1999.

In 2001, the Maryland General Assembly enacted House Bill 636, requiring the reporting of benign brain and central nervous system tumors to the MCR effective October 2001.

The Code of Maryland Regulations 10.14.01 were adopted in 1992 and were further amended in 1993, 1997, 2003, and 2013. The MCR operates in accordance with Public Law 20-515 and the standards set by the North American Association of Central Cancer Registries (NAACCR) and the Centers for Disease Control and Prevention's National Program of Cancer Registries (NPCR).

Interstate data collection

Through data exchange agreements with 12 states, including the neighboring states of Delaware, Pennsylvania, Virginia, West Virginia, and the District of Columbia, the MCR collects information on Maryland residents diagnosed and/or treated for cancer in these area. The MCR also receives information on Maryland residents from selected federal hospitals.

Funding

The MCR first received funding from the Centers for Disease Control and Prevention, National Program of Cancer Registries in 1996. The MCR has since received yearly funding from the NPCR to support MCR efforts towards the collection of timely, complete and accurate data. Other funding sources include the Cigarette Restitution Fund and Maryland State General Funds.

B. MCR Operations

The MCR is composed of two entities:

- i. A central office, located in the Center for Cancer Prevention and Control at the Maryland Department of Health and Mental Hygiene (DHMH), which has administrative, technical, analytical, fiscal and custodial oversight of MCR.
- ii. A subcontractor, Westat, Inc., collects and processes all cancer reports, and performs data quality assurance and database management.

C. Organization of this Report

This report provides 2013 cancer incidence and mortality statistics for the State of Maryland. Data tables include counts for major cancer sites and age-adjusted incidence and mortality rates by year, site, gender, and race for Maryland and its counties. *The 2013 I&M Report* includes County Data Pages that summarize data for leading cancer sites in each county.

This report is also available on the MCR website at: http://phpa.dhmh.maryland.gov/cancer/Pages/surv_data-reports.aspx.

III. DATA COLLECTION AND MANAGEMENT

A. Reporting Facilities

This report presents data collected from **48** Maryland hospitals, **12** radiation treatment centers, **37** laboratories, **66** ambulatory surgery centers, **98** physicians and **13** state center cancer registries and the District of Columbia central cancer registry. Each facility is required to submit cancer report on all new cancer cases.

B. Cancer Case Reporting and Definition

The MCR is the source for cancer incidence (new cases) data presented in this report and its database contains two types of tumor cases:

- i. *Invasive cancers* include all malignant cancers at any site (except for non-genital basal and squamous cell carcinoma of skin), and *in situ* cancers of the

urinary bladder diagnosed in Maryland residents between January 1, 2013 and December 31, 2013. (American Cancer Society (ACS) criteria)

- ii. *Additional benign and in situ tumors* the Maryland DHMH considers important for the review and evaluation of state cancer control programs. These cases are not included in this report.

The ACS criteria are also used for incidence calculations by the National Cancer Institute's Surveillance Epidemiology End Results Program (SEER), the American College of Surgeons (ACoS), and the North American Association of Central Cancer Registries (NAACCR).

Cancer sites are grouped according to the conventions of the SEER Program using the *International Classification of Disease, Third Edition (ICD-O-3)* by the World Health Organization (WHO) and are shown in *Table A: International Classification of Diseases for Oncology, Third Edition (ICD-O-3)* and *ICD-10 Codes Used to Derive MCR Incidence and Mortality Cancer Data*. Only new cases diagnosed among Maryland residents in 2013 are included in the analysis.

Table A: International Classification of Disease for Oncology, Third Edition (ICD-O-3) and ICD-10 Codes Used to Derive MCR Incidence and Mortality Cancer Data

ICD-O-3 Codes Used to Derive Incidence Data			ICD-10 Codes Used to Derive Mortality Data
Site	Incidence Topography (Site)	Incidence Histology	CDC Wonder Site Selections
All sites	C00.0 – C80.9	Includes all invasive cancers of all sites except --excludes basal and squamous cell skin cancers; Includes in situ cancer of the urinary bladder	C00.0 – C97, D09.0
Brain and Other Nervous System	C70.0--C72.9	Excludes codes 9050-9055, 9140, and 9590-9989	C70.0—C72.9
Cervix	C53.0--C53.9	Excludes codes 9050-9055, 9140, and 9590-9989	C53.0—C53.9
Colon and Rectum	C18.0--C20.9, C26.0	Excludes codes 9050-9055, 9140, and 9590-9989	C18.0—C20.9, C26.0
Corpus and Uterus NOS	C54.0--C54.9, C55.9	Excludes codes 9050-9055, 9140, and 9590-9989	C54.0—C54.9, C55
Esophagus	C15.0--C15.9	Excludes codes 9050-9055, 9140, and 9590-9989	C15.0—C15.9
Female Breast	C50.0--C50.9	Excludes codes 9050-9055, 9140, and 9590-9989	C50.0--C50.9
Hodgkins Lymphoma	C 00.0--C80.9	Includes codes 9650-9667	C81.0 - C81.9
Kidney and Renal Pelvis	C64.9, C65.9	Excludes codes 9050-9055, 9140, and 9590-9989	C64.1 –C64.9, C65.1 – C64.9
Larynx	C32.0--C32.9	Excludes codes 9050-9055, 9140, and 9590-9989	C32.0—C32.9
Leukemia	C00.0--C80.9	Includes codes 9733, 9742, 9800, 9801, 9805, 9820, 9826, 9831-9837, 9840, 9860, 9861, 9863, 9866, 9867, 9870-9876, 9891, 9895-9897, 9910, 9920, 9930, 9931, 9940, 9945, 9946, 9948, 9963, 9964	C91.0 - C91.9, C92.0 - C92.9, C93.0 - C93.9, C94.0 - C94.7, C95.0 - C95.9
	C42.0, C42.1, C42.4	Includes codes 9823, 9827	
Liver and Intrahepatic Bile Duct	C22.0, C22.1	Excludes codes 9050-9055, 9140, and 9590-9989	C22.0—C22.9
Lung and Bronchus	C34.0--C34.9	Excludes codes 9050-9055, 9140, and 9590-9989	C34.0—C34.9

Site	Incidence Topography (Site) ICD-O-3	Incidence Histology	CDC Wonder Site Selections ICD-10
Multiple Myeloma	C42.1, C42.0, C42.4	Includes codes 9731-9732, 9734	C90.0
Myeloma			C88.0 - C88.9, C90.0 - C90.3
Myelodysplastic Syndromes	C42.1	Includes codes 9980,9982-9987,9989, 9991, 9992	D46.0 – D46.9
Non-Hodgkins Lymphoma	C00.0–C80.9	Includes codes 9590-9596, 9670-9671, 9673, 9675, 9678-9680, 9684, 9687, 9689-9691,9695, 9698-9702, 9705, 9708-9709, 9714-9719, 9727-9729	C82.0 - C82.9, C83.0 - C83.9, C84.0 - C84.5, C85.0 - C85.9
	C00.0–C80.9 excluding codes C42.0, C42.1, C42.2	Includes codes 9823, 9827	
Oral Cavity and Pharynx	C00.0–C14.8	Excludes codes 9050-9055, 9140, and 9590-9989	C00.0 - C14.8
Ovary	C56.9	Excludes codes 9050-9055, 9140, and 9590-9989	C56.1 – C56.9
Pancreas	C25.0–C25.9	Excludes codes 9050-9055, 9140, and 9590-9989	C25.0 - C25.9
Prostate	C61.9	Excludes codes 9050-9055, 9140, and 9590-9989	C61
Skin Melanoma	C44.0–C44.9	Includes codes 8720-8790	C43.0 – C43.9
Stomach	C16.0–C16.9	Excludes codes 9050-9055, 9140, and 9590-9989	C16.0 - C16.9
Testis	C62.0–C62.9	Excludes codes 9050-9055, 9140, and 9590-9989	C62.0 – C62.9
Thyroid	C73.9	Excludes codes 9050-9055, 9140, and 9590-9989	C73
Urinary Bladder (includes in situ and malignant)	C67.0–C67.9	Excludes codes 9050-9055, 9140, and 9590-9989	C67.0 - C67.9, D09.0

C. Registry Certification

Every year, NAACCR evaluates MCR data for completeness, quality and timeliness; in 2013, MCR's incidence data received NAACCR gold certification for all measures, indicating that data was at or greater than 95% complete. MCR's 2009 – 2013 incidence data also met the Centers for Disease Control and Prevention's National Program of Cancer Registries (NPCR) National Data Quality Standard and U.S. Cancer Statistics Publication Standard.

D. Quality Control and Quality Assurance (QC/QA)

The MCR conducts two major activities to maintain quality control and assurance of information received: 1) intra- and inter-record edits of cancer case reports, and 2) yearly audits, or case finding review and re-abstracting of a sample of records from selected reporting facilities. The MCR QA/QC program also provides the following components for case finding data completeness:

- i. A review of death certificate data to identify additional cancer cases among deceased Maryland residents who were not previously reported to the MCR, *and*
- ii. Following back with the ordering physician about cases reported by laboratories-only to obtain additional demographic, clinical and treatment data.

E. Data Confidentiality

DHMH regards data received, processed, and reported to or by the MCR confidential, and data are secured from unauthorized access and disclosure. MCR manages and releases information in accordance with the laws and regulations established for and by the State of Maryland as set forth in the Md. Code Ann., Health-General §§ 18-203 and 204, the Code of Maryland Regulations 10.14.01, Cancer Registry and policies available at: http://phpa.dhmdh.maryland.gov/cancer/Pages/mcr_regs.aspx.

IV. DATA CHARTS

The data charts in this report present 2013 cancer incidence by cancer group, gender, and race for the State of Maryland. The County Data Pages contains 2013 counts of incidence and mortality for the top five cancer incidence and mortality rates (2009 – 2013), the top five cancer incidence and mortality rates by gender and race, and the distribution of the top five cancers stage at diagnosis (2009-2013). All tables and charts should be reviewed with caution as small numbers are subject to wide variation. Confidence intervals are included with rates in the state tables to help guide interpretation. In accordance with the MCR Data Use Manual and Procedures, this report presents data in the aggregate.

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2013

Maryland Cancer Incidence Cases by Selected Site, Race, and
Gender, for Males and Females

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Table I 1: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Incidence Rates and 95% Confidence Intervals, By Gender and Race

	Both Genders*** 2013											
	All Races*				White				African-American			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	29,885	452.2	446.9	457.4	20,710	461.8	455.4	468.3	7,802	446.6	436.4	457.1
Brain	405	6.4	5.8	7.1	314	7.4	6.6	8.3	64	3.7	2.8	4.8
Cervix	189	5.9	5.1	6.8	102	5.3	4.3	6.5	70	7.1	5.5	9.0
Colon and Rectum	2,346	35.9	34.4	37.4	1,527	34.1	32.4	35.9	695	41.3	38.2	44.7
Esophagus	279	4.2	3.7	4.8	222	4.9	4.3	5.6	49	2.7	2.0	3.7
Female Breast (Malignant Only)	4,810	134.6	130.7	138.5	3,143	134.8	130.0	139.8	1,428	139.7	132.4	147.3
Hodgkin Lymphoma	176	3.0	2.5	3.4	116	3.1	2.6	3.7	53	2.9	2.2	3.9
Kidney and Renal Pelvis	955	14.4	13.5	15.4	656	14.8	13.7	16.0	272	15.1	13.3	17.1
Larynx	221	3.2	2.8	3.7	154	3.3	2.8	3.9	61	3.5	2.6	4.5
Leukemia	863	13.6	12.7	14.6	619	14.5	13.4	15.7	189	11.2	9.6	13.0
Liver and Intrahepatic Bile Duct	591	8.5	7.8	9.2	336	7.2	6.4	8.0	215	10.8	9.4	12.5
Lung and Bronchus	3,706	56.6	54.8	58.5	2,674	58.9	56.6	61.2	926	55.3	51.7	59.2
Melanoma	1,454	22.3	21.1	23.5	1,424	32.4	30.7	34.2	10	**	**	**
Multiple Myeloma	440	6.6	6.0	7.3	234	5.1	4.4	5.8	190	11.4	9.8	13.2
Myelodysplastic Syndrome	217	3.4	3.0	3.9	172	3.8	3.2	4.4	36	2.3	1.6	3.2
Non-Hodgkin Lymphoma	1,190	18.4	17.4	19.5	880	19.7	18.4	21.1	240	13.9	12.2	15.9
Oral Cavity and Pharynx	730	10.8	10.0	11.6	546	12.0	11.0	13.1	139	7.7	6.4	9.2
Ovary	365	10.2	9.1	11.3	259	11.0	9.6	12.4	77	7.6	5.9	9.6
Pancreas	820	12.5	11.6	13.4	555	12.1	11.1	13.2	236	14.3	12.5	16.3
Prostate	3,998	124.5	120.6	128.6	2,439	108.0	103.6	112.5	1,433	185.6	175.5	196.1
Stomach	443	6.7	6.1	7.4	258	5.7	5.0	6.5	135	8.0	6.6	9.5
Testis	131	4.6	3.8	5.5	109	6.3	5.1	7.6	10	**	**	**
Thyroid	1,006	16.0	15.0	17.1	697	17.7	16.4	19.1	203	11.0	9.5	12.7
Urinary Bladder	1,368	21.3	20.2	22.5	1,116	24.4	23.0	25.9	216	14.1	12.2	16.2
Uterus	970	25.6	24.0	27.4	650	26.0	23.9	28.1	265	25.5	22.5	28.9

*All Races include other specified, unspecified and unknown race

***Both Genders include male, female, hermaphrodite, transsexual and unknown(unspecified).

Rates are per 100,000 and are age-adjusted to the 2000 U.S. Standard Population.

<6 = case counts of 1-5 are suppressed per DHMH/MCR Data Use Policy

** Rates based on case counts of 1-15 are suppressed per DHMH/MCR Data Use Policy

s= Case counts are suppressed to prevent disclosure of data in other cell(s)

Source: Data as of February 26,2016 Maryland Cancer Registry

Table I 1: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Incidence Rates and 95% Confidence Intervals, By Gender and Race

	Both Genders*** 2013							
	Other****				Spanish/Hispanic Ethnicity (of Any Race)			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	1,006	259.7	243.3	277.0	825	294.4	271.8	318.2
Brain	21	5.5	3.3	8.5	16	4.3	2.2	7.6
Cervix	11	**	**	**	17	7.5	4.2	12.6
Colon and Rectum	85	22.8	18.0	28.5	68	25.6	19.2	33.3
Esophagus	<6	**	**	**	<6	**	**	**
Female Breast (Malignant Only)	185	79.9	68.6	92.6	148	91.3	76.1	108.4
Hodgkin Lymphoma	<6	**	**	**	9	**	**	**
Kidney and Renal Pelvis	21	5.4	3.2	8.3	28	11.5	7.1	17.2
Larynx	<6	**	**	**	7	**	**	**
Leukemia	30	7.7	5.1	11.1	37	9.5	6.0	14.2
Liver and Intrahepatic Bile Duct	34	9.1	6.2	12.9	18	7.1	4.0	11.4
Lung and Bronchus	92	26.7	21.3	33.0	47	22.0	15.7	29.8
Melanoma	<6	**	**	**	<6	**	**	**
Multiple Myeloma	11	**	**	**	11	**	**	**
Myelodysplastic Syndrome	6	**	**	**	<6	**	**	**
Non-Hodgkin Lymphoma	46	12.7	9.1	17.0	38	12.8	8.6	18.3
Oral Cavity and Pharynx	43	10.2	7.3	13.9	11	**	**	**
Ovary	20	8.4	5.1	13.2	17	9.7	5.3	16.1
Pancreas	22	6.8	4.2	10.4	23	9.1	5.4	14.0
Prostate	88	51.9	41.1	64.5	94	96.4	75.8	120.2
Stomach	35	9.6	6.6	13.5	29	10.8	6.8	16.2
Testis	6	**	**	**	<6	**	**	**
Thyroid	86	19.6	15.6	24.3	57	12.9	9.6	17.1
Urinary Bladder	29	9.5	6.3	13.8	29	15.1	9.8	21.9
Uterus	39	16.0	11.3	22.1	37	19.5	13.5	27.3

*All Races include other specified, unspecified and unknown race

***Both Genders include male, female, hermaphrodite, transsexual and unknown(unspecified).

Rates are per 100,000 and are age-adjusted to the 2000 U.S. Standard Population.

<6 = case counts of 1-5 are suppressed per DHMH/MCR Data Use Policy

** Rates based on case counts of 1-15 are suppressed per DHMH/MCR Data Use Policy

s= Case counts are suppressed to prevent disclosure of data in other cell(s)

****Other includes Asian Pacific Islander, American Indian and Alaskan Native

Source: Data as of February 26, 2016 Maryland Cancer Registry

Table I 2: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Incidence Rates and 95% Confidence Intervals, By Gender and Race for Males

	Male 2013											
	All Races*				White				African-American			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	14,669	493.6	485.4	501.9	10,287	494.9	485.1	504.8	3,799	519.2	501.6	537.3
Brain	213	7.3	6.3	8.3	161	8.0	6.8	9.4	40	5.2	3.7	7.2
Colon and Rectum	1,136	39.2	36.9	41.6	748	36.8	34.2	39.6	346	50.5	44.9	56.6
Esophagus	216	7.5	6.5	8.6	175	8.6	7.4	10.1	34	4.5	3.0	6.5
Hodgkin Lymphoma	92	3.2	2.6	4.0	62	3.3	2.5	4.3	25	3.0	1.9	4.4
Kidney and Renal Pelvis	603	19.9	18.3	21.7	422	20.1	18.2	22.2	165	21.7	18.3	25.6
Larynx	180	5.8	5.0	6.8	122	5.7	4.7	6.8	52	7.2	5.2	9.6
Leukemia	501	17.9	16.4	19.6	366	19.0	17.1	21.1	103	15.3	12.3	18.9
Liver and Intrahepatic Bile Duct	411	12.7	11.5	14.1	223	10.2	8.8	11.6	160	18.6	15.7	22.0
Lung and Bronchus	1,847	64.6	61.6	67.7	1,318	64.9	61.4	68.6	474	69.7	63.1	76.7
Melanoma	857	29.4	27.4	31.5	849	41.0	38.2	43.9	<6	**	**	**
Multiple Myeloma	223	7.6	6.6	8.7	122	5.9	4.9	7.1	91	12.9	10.2	16.0
Myelodysplastic Syndrome	128	4.9	4.1	5.9	101	5.3	4.3	6.5	22	3.4	2.0	5.2
Non-Hodgkin Lymphoma	629	21.8	20.1	23.6	464	22.8	20.7	25.0	122	16.7	13.7	20.2
Oral Cavity and Pharynx	507	16.3	14.9	17.8	389	18.2	16.4	20.1	94	12.3	9.8	15.3
Pancreas	420	14.7	13.3	16.2	299	14.7	13.1	16.5	110	15.8	12.8	19.3
Prostate	3,998	124.5	120.6	128.6	2,439	108.0	103.6	112.5	1,433	185.6	175.5	196.1
Stomach	264	9.1	8.0	10.4	164	8.1	6.8	9.4	70	9.7	7.4	12.4
Testis	131	4.6	3.8	5.5	109	6.3	5.1	7.6	10	**	**	**
Thyroid	230	7.8	6.8	8.8	157	8.1	6.8	9.5	47	6.3	4.5	8.6
Urinary Bladder	1,034	37.9	35.6	40.4	857	42.9	40.0	46.0	148	24.5	20.4	29.0

*All Races include other specified, unspecified and unknown race

***Both Genders include male, female, hermaphrodite, transsexual and unknown(unspecified).

Rates are per 100,000 and are age-adjusted to the 2000 U.S. Standard Population.

<6 = case counts of 1-5 are suppressed per DHMH/MCR Data Use Policy

** Rates based on case counts of 1-15 are suppressed per DHMH/MCR Data Use Policy

s= Case counts are suppressed to prevent disclosure of data in other cell(s)

Source: Data as of February 26, 2016 Maryland Cancer Registry

Table I 2: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Incidence Rates and 95% Confidence Intervals, By Gender and Race for Males

	Male 2013							
	Other****				Spanish/Hispanic Ethnicity (of Any Race)			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	425	255.4	230.3	282.4	348	311.9	273.6	353.5
Brain	10	**	**	**	6	**	**	**
Colon and Rectum	27	15.4	9.9	22.7	34	30.4	19.2	44.9
Esophagus	<6	**	**	**	<6	**	**	**
Hodgkin Lymphoma	<6	**	**	**	6	**	**	**
Kidney and Renal Pelvis	12	**	**	**	15	**	**	**
Larynx	<6	**	**	**	s	**	**	**
Leukemia	17	9.6	5.5	15.5	21	9.9	5.0	17.4
Liver and Intrahepatic Bile Duct	26	14.9	9.4	22.3	10	**	**	**
Lung and Bronchus	48	32.9	23.8	44.1	27	31.2	19.3	46.7
Melanoma	<6	**	**	**	<6	**	**	**
Multiple Myeloma	6	**	**	**	<6	**	**	**
Myelodysplastic Syndrome	<6	**	**	**	<6	**	**	**
Non-Hodgkin Lymphoma	28	16.7	10.9	24.4	21	15.0	8.1	24.8
Oral Cavity and Pharynx	23	11.0	7.0	16.8	6	**	**	**
Pancreas	7	**	**	**	11	**	**	**
Prostate	88	51.9	41.1	64.5	94	96.4	75.8	120.2
Stomach	23	15.5	9.5	23.6	12	**	**	**
Testis	6	**	**	**	<6	**	**	**
Thyroid	23	10.5	6.6	15.9	10	**	**	**
Urinary Bladder	24	18.5	11.4	27.8	20	25.8	14.7	40.7

*All Races include other specified, unspecified and unknown race

***Both Genders include male, female, hermaphrodite, transsexual and unknown(unspecified).

Rates are per 100,000 and are age-adjusted to the 2000 U.S. Standard Population.

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** Rates based on case counts of 1-15 are suppressed per DHMH/MCR Data Use Policy

s= Case counts are suppressed to prevent disclosure of data in other cell(s)

****Other includes Asian Pacific Islander, American Indian and Alaskan Native

Source: Data as of February 26, 2016 Maryland Cancer Registry

Table I 3: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Incidence Rates and 95% Confidence Intervals, By Gender and Race for Females

	Female 2013											
	All Races*				White				African-American			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	15,209	425.5	418.6	432.5	10,417	442.5	433.7	451.4	4,002	400.1	387.4	413.0
Brain	191	5.6	4.8	6.5	152	6.9	5.8	8.2	24	2.5	1.6	3.8
Cervix	189	5.9	5.1	6.8	102	5.3	4.3	6.5	70	7.1	5.5	9.0
Colon and Rectum	1,210	33.6	31.6	35.5	779	32.1	29.8	34.6	349	35.6	31.9	39.7
Esophagus	63	1.7	1.3	2.2	47	1.9	1.4	2.5	15	**	**	**
Female Breast (Malignant Only)	4,810	134.6	130.7	138.5	3,143	134.8	130.0	139.8	1,428	139.7	132.4	147.3
Hodgkin Lymphoma	84	2.7	2.2	3.4	54	2.9	2.2	3.9	28	2.8	1.8	4.1
Kidney and Renal Pelvis	352	9.9	8.8	11.0	234	10.2	8.9	11.6	107	10.3	8.4	12.5
Larynx	41	1.1	0.8	1.5	32	1.3	0.9	1.9	9	**	**	**
Leukemia	362	10.4	9.3	11.5	253	10.9	9.6	12.4	86	8.6	6.9	10.7
Liver and Intrahepatic Bile Duct	179	4.9	4.2	5.7	113	4.6	3.8	5.6	54	5.1	3.8	6.7
Lung and Bronchus	1,857	50.8	48.5	53.2	1,354	54.6	51.6	57.6	452	46.0	41.7	50.6
Melanoma	597	17.4	16.0	18.9	575	26.4	24.2	28.7	s	**	**	**
Multiple Myeloma	217	5.8	5.0	6.6	112	4.3	3.5	5.2	99	10.2	8.2	12.5
Myelodysplastic Syndrome	89	2.4	1.9	2.9	71	2.7	2.1	3.4	14	**	**	**
Non-Hodgkin Lymphoma	561	15.8	14.5	17.2	416	17.2	15.6	19.0	118	12.0	9.9	14.5
Oral Cavity and Pharynx	223	6.2	5.4	7.1	157	6.5	5.5	7.6	45	4.4	3.2	6.0
Ovary	365	10.2	9.1	11.3	259	11.0	9.6	12.4	77	7.6	5.9	9.6
Pancreas	400	10.8	9.8	12.0	256	10.1	8.9	11.5	126	13.1	10.9	15.7
Stomach	179	4.9	4.2	5.7	94	3.9	3.1	4.8	65	6.7	5.1	8.6
Thyroid	776	23.7	22.0	25.5	540	27.3	25.0	29.8	156	14.9	12.6	17.6
Urinary Bladder	333	9.2	8.2	10.2	258	10.1	8.9	11.5	68	7.5	5.8	9.6
Uterus	970	25.6	24.0	27.4	650	26.0	23.9	28.1	265	25.5	22.5	28.9

*All Races include other specified, unspecified and unknown race

***Both Genders include male, female, hermaphrodite, transsexual and unknown(unspecified).

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** Rates based on case counts of 1-15 are suppressed per DHMH/MCR Data Use Policy

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Source: Data as of February 26, 2016 Maryland Cancer Registry

Table I 3: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Incidence Rates and 95% Confidence Intervals, By Gender and Race for Females

	Female 2013							
	Other****				Spanish/Hispanic Ethnicity (of Any Race)			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	581	266.9	244.9	290.2	477	296.0	267.7	326.3
Brain	11	**	**	**	10	**	**	**
Cervix	11	**	**	**	17	7.5	4.2	12.6
Colon and Rectum	58	28.8	21.6	37.6	34	22.8	15.3	32.4
Esophagus	0	0.0	0.0	0.0	<6	**	**	**
Female Breast (Malignant Only)	185	79.9	68.6	92.6	148	91.3	76.1	108.4
Hodgkin Lymphoma	0	0.0	0.0	0.0	<6	**	**	**
Kidney and Renal Pelvis	9	**	**	**	13	**	**	**
Larynx	0	0.0	0.0	0.0	<6	**	**	**
Leukemia	13	**	**	**	16	8.6	4.3	15.0
Liver and Intrahepatic Bile Duct	8	**	**	**	8	**	**	**
Lung and Bronchus	44	22.2	16.0	30.1	20	16.0	9.4	24.9
Melanoma	<6	**	**	**	<6	**	**	**
Multiple Myeloma	<6	**	**	**	6	**	**	**
Myelodysplastic Syndrome	<6	**	**	**	0	0.0	0.0	0.0
Non-Hodgkin Lymphoma	18	9.0	5.2	14.5	17	11.1	6.1	18.3
Oral Cavity and Pharynx	20	9.4	5.7	14.8	<6	**	**	**
Ovary	20	8.4	5.1	13.2	17	9.7	5.3	16.1
Pancreas	15	**	**	**	12	**	**	**
Stomach	12	**	**	**	17	11.9	6.6	19.4
Thyroid	63	27.5	21.0	35.4	47	21.7	15.7	29.2
Urinary Bladder	<6	**	**	**	9	**	**	**
Uterus	39	16.0	11.3	22.1	37	19.5	13.5	27.3

*All Races include other specified, unspecified and unknown race

***Both Genders include male, female, hermaphrodite, transsexual and unknown(unspecified).

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****Other includes Asian Pacific Islander, American Indian and Alaskan Native

Source: Data as of February 26, 2016 Maryland Cancer Registry

2013

Maryland Cancer Mortality Cases by Selected Site, Race, and Gender, for Males and Females

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Table M 1: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Mortality Rates and 95% Confidence Intervals, By Gender and Race

	Both Genders 2013											
	*All Races				White				African-American			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	10,609	162.9	159.8	166.1	7,391	161.6	157.9	165.4	2,925	182.0	175.1	188.9
Brain	278	4.2	3.7	4.8	230	5.2	4.5	5.9	43	2.5	1.8	3.4
Cervix	70	2.0	1.6	2.6	41	1.9	1.4	2.6	28	2.7	1.8	3.9
Colon and Rectum	919	14.0	13.1	14.9	598	12.8	11.8	13.9	288	18.2	16.0	20.4
Esophagus	253	3.8	3.3	4.3	216	4.7	4.0	5.3	32	1.8	1.2	2.6
Female Breast (Malignant Only)	783	21.5	19.9	23.0	490	19.8	18.0	21.6	275	28.1	24.7	31.5
Hodgkins Lymphoma	28	0.5	0.3	0.7	17	**	**	**	<10	**	**	**
Kidney and Renal Pelvis	237	3.6	3.1	4.0	178	3.8	3.3	4.4	57	3.6	2.7	4.7
Larynx	69	1.1	0.8	1.4	42	0.9	0.7	1.2	26	1.8	1.1	2.6
Leukemia	435	6.9	6.2	7.5	338	7.6	6.8	8.4	86	5.6	4.5	7.0
Liver and Intrahepatic Bile Duct	458	6.7	6.1	7.4	260	5.6	4.9	6.3	168	9.4	7.9	10.9
Lung and Bronchus	2,673	41.1	39.5	42.6	1,938	42.4	40.5	44.4	680	41.8	38.5	45.1
Melanoma	161	2.6	2.2	3.0	151	3.4	2.9	4.0	<10	**	**	**
Multiple Myeloma	238	3.7	3.2	4.2	132	2.9	2.4	3.5	102	6.5	5.2	7.8
Non-Hodgkins Lymphoma	330	5.2	4.6	5.7	255	5.6	4.9	6.3	59	3.8	2.9	5.0
Oral Cavity and Pharynx	165	2.5	2.1	2.9	109	2.3	1.9	2.7	48	2.9	2.1	3.9
Ovary	285	7.6	6.7	8.5	210	8.2	7.1	9.4	64	6.4	4.9	8.2
Pancreas	763	11.7	10.9	12.6	534	11.6	10.6	12.6	207	13.0	11.2	14.9
Prostate	484	19.1	17.4	20.9	307	16.4	14.5	18.2	172	32.8	27.6	38.0
Stomach	212	3.3	2.8	3.7	106	2.3	1.8	2.7	87	5.8	4.6	7.3
Urinary Bladder	328	5.1	4.6	5.7	269	5.8	5.1	6.5	55	3.5	2.6	4.6
Uterus	216	5.8	5.0	6.6	113	4.5	3.6	5.3	95	9.5	7.7	11.7

*All Races includes White, Black or African American, Asian or Pacific Islander, American Indian or Alaska Native

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** Rates based on case counts of 0-19 are suppressed per DHMH / CDC Data Use Policy

Source: CDC Wonder

Table M 1: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Incidence Rates and 95% Confidence Intervals, By Gender and Race

	Both Genders 2013							
	***Other				Spanish/Hispanic Ethnicity (of Any Race)			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	293	84.3	74.2	94.4	168	73.1	60.8	85.4
Brain	<10	**	**	**	<10	**	**	**
Cervix	<10	**	**	**	<10	**	**	**
Colon and Rectum	33	10.1	6.8	14.4	11	**	**	**
Esophagus	<10	**	**	**	<10	**	**	**
Female Breast (Malignant Only)	18	**	**	**	14	**	**	**
Hodgkins Lymphoma	<10	**	**	**	<10	**	**	**
Kidney and Renal Pelvis	<10	**	**	**	<10	**	**	**
Larynx	<10	**	**	**	<10	**	**	**
Leukemia	11	**	**	**	12	**	**	**
Liver and Intrahepatic Bile Duct	30	9.1	6.0	13.1	14	**	**	**
Lung and Bronchus	55	15.5	11.5	20.4	19	**	**	**
Melanoma	<10	**	**	**	<10	**	**	**
Multiple Myeloma	<10	**	**	**	<10	**	**	**
Non-Hodgkins Lymphoma	16	**	**	**	<10	**	**	**
Oral Cavity and Pharynx	<10	**	**	**	<10	**	**	**
Ovary	11	**	**	**	10	**	**	**
Pancreas	22	7.7	4.8	11.8	14	**	**	**
Prostate	<10	**	**	**	<10	**	**	**
Stomach	19	**	**	**	<10	**	**	**
Urinary Bladder	<10	**	**	**	<10	**	**	**
Uterus	<10	**	**	**	<10	**	**	**

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** Rates based on case counts of 0-19 are suppressed per DHMH / CDC Data Use Policy

***Other Includes Asian or Pacific Islander and American Indian or Alaska Native

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Source: CDC Wonder

Table M 2: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Incidence Rates and 95% Confidence Intervals, By Gender and Race

	Male 2013											
	*All Races				White				African-American			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	5,401	194.9	189.6	200.3	3,809	191.1	184.9	197.3	1,440	228.6	215.8	241.4
Brain	146	5.0	4.2	5.8	116	5.7	4.6	6.8	26	3.7	2.4	5.6
Colon and Rectum	467	16.7	15.1	18.3	304	15.0	13.5	16.7	147	24.1	19.9	28.3
Esophagus	190	6.5	5.6	7.5	163	7.8	6.6	9.0	s	3.2	1.9	4.9
Hodgkins Lymphoma	16	**	**	**	s	**	**	**	<10	**	**	**
Kidney and Renal Pelvis	166	5.8	4.9	6.7	125	6.1	5.0	7.2	40	6.2	4.3	8.6
Larynx	50	1.8	1.3	2.4	31	1.5	1.0	2.2	s	**	**	**
Leukemia	256	9.7	8.4	10.9	194	10.1	8.7	11.6	55	9.9	7.2	13.2
Liver and Intrahepatic Bile Duct	298	9.7	8.6	10.9	164	7.6	6.4	8.8	109	14.1	11.3	17.0
Lung and Bronchus	1,400	49.7	47.0	52.4	1,002	49.8	46.7	53.0	373	56.7	50.5	63.0
Melanoma	110	4.3	3.5	5.1	105	5.5	4.5	6.6	<10	**	**	**
Multiple Myeloma	108	3.9	3.1	4.6	64	3.2	2.5	4.1	42	6.9	4.9	9.6
Non-Hodgkins Lymphoma	183	6.8	5.8	7.9	145	7.5	6.2	8.7	25	4.3	2.7	6.5
Oral Cavity and Pharynx	114	3.8	3.1	4.5	72	3.3	2.6	4.2	36	5.4	3.7	7.6
Pancreas	394	14.0	12.6	15.4	284	14.0	12.4	15.7	100	15.4	12.1	18.6
Prostate	484	19.1	17.4	20.9	307	16.4	14.5	18.2	172	32.8	27.6	38.0
Stomach	132	4.8	4.0	5.7	65	3.2	2.5	4.1	54	9.1	6.6	12.1
Urinary Bladder	233	9.2	8.0	10.4	194	10.3	8.8	11.8	s	5.8	3.9	8.3

*All Races includes White, Black or African American, Asian or Pacific Islander, American Indian or Alaska Native

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** Rates based on case counts of 0-19 are suppressed per DHMH / CDC Data Use Policy

Source: CDC Wonder

Table M 2: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Incidence Rates and 95% Confidence Intervals, By Gender and Race

	Male 2013							
	***Other				Spanish/Hispanic Ethnicity (of Any Race)			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	152	100.4	83.4	117.4	76	86.2	65.1	111.9
Brain	<10	**	**	**	<10	**	**	**
Colon and Rectum	16	**	**	**	<10	**	**	**
Esophagus	<10	**	**	**	<10	**	**	**
Hodgkins Lymphoma	<10	**	**	**	<10	**	**	**
Kidney and Renal Pelvis	<10	**	**	**	<10	**	**	**
Larynx	<10	**	**	**	<10	**	**	**
Leukemia	<10	**	**	**	<10	**	**	**
Liver and Intrahepatic Bile Duct	s	16.8	10.7	25.3	<10	**	**	**
Lung and Bronchus	25	15.9	9.8	24.3	<10	**	**	**
Melanoma	<10	**	**	**	<10	**	**	**
Multiple Myeloma	<10	**	**	**	<10	**	**	**
Non-Hodgkins Lymphoma	s	**	**	**	<10	**	**	**
Oral Cavity and Pharynx	<10	**	**	**	<10	**	**	**
Pancreas	10	**	**	**	<10	**	**	**
Prostate	<10	**	**	**	<10	**	**	**
Stomach	s	**	**	**	<10	**	**	**
Urinary Bladder	<10	**	**	**	<10	**	**	**

Rates are per 100,000 and are age-adjusted to the 2000 U.S. Standard Population.

<10 = case counts of 0-9 are suppressed per DHMH / CDC Data Use Policy

** Rates based on case counts of 0-19 are suppressed per DHMH / CDC Data Use Policy

***Other Includes Asian or Pacific Islander and American Indian or Alaska Native

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Source: CDC Wonder

Table M 3: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Incidence Rates and 95% Confidence Intervals, By Gender and Race

	Female 2013											
	All Races*				White				African-American			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	5,208	141.6	137.7	145.6	3,582	141.6	136.8	146.3	1,485	154.7	146.6	162.8
Brain	132	3.6	3.0	4.2	114	4.6	3.8	5.5	17	**	**	**
Cervix	70	2.0	1.6	2.6	41	1.9	1.4	2.6	28	2.7	1.8	3.9
Colon and Rectum	452	12.0	10.9	13.1	294	11.0	9.7	12.3	141	14.7	12.2	17.2
Esophagus	63	1.7	1.3	2.2	53	2.1	1.6	2.8	s	**	**	**
Female Breast (Malignant Only)	783	21.5	19.9	23.0	490	19.8	18.0	21.6	275	28.1	24.7	31.5
Hodgkins Lymphoma	12	**	**	**	<10	**	**	**	<10	**	**	**
Kidney and Renal Pelvis	71	1.9	1.5	2.4	53	2.0	1.5	2.7	17	**	**	**
Larynx	19	**	**	**	11	**	**	**	<10	**	**	**
Leukemia	179	4.9	4.2	5.7	144	5.8	4.8	6.8	31	3.4	2.3	4.8
Liver and Intrahepatic Bile Duct	160	4.3	3.7	5.0	96	3.9	3.1	4.8	59	5.9	4.5	7.7
Lung and Bronchus	1,273	34.8	32.8	36.7	936	37.0	34.6	39.4	307	32.2	28.5	35.9
Melanoma	51	1.4	1.1	1.9	46	2.0	1.4	2.7	<10	**	**	**
Multiple Myeloma	130	3.6	2.9	4.2	68	2.7	2.1	3.4	60	6.3	4.7	8.1
Non-Hodgkins Lymphoma	147	4.0	3.3	4.6	110	4.1	3.3	4.9	34	3.7	2.5	5.2
Oral Cavity and Pharynx	51	1.4	1.0	1.9	37	1.5	1.0	2.1	12	**	**	**
Ovary	285	7.6	6.7	8.5	210	8.2	7.1	9.4	64	6.4	4.9	8.2
Pancreas	369	10.0	9.0	11.1	250	9.8	8.5	11.0	107	11.5	9.2	13.7
Stomach	80	2.2	1.7	2.7	41	1.6	1.2	2.2	33	3.7	2.5	5.3
Urinary Bladder	95	2.5	2.0	3.1	75	2.7	2.1	3.5	s	2.2	1.3	3.5
Uterus	216	5.8	5.0	6.6	113	4.5	3.6	5.3	95	9.5	7.7	11.7

*All Races includes White, Black or African American, Asian or Pacific Islander, American Indian or Alaska Native

Rates are per 100,000 and are age-adjusted to the 2000 U.S. Standard Population.

<10 = case counts of 0-9 are suppressed per DHMH / CDC Data Use Policy

s=Death counts are suppressed to prevent disclosure of data in other cell(s)

** Rates based on case counts of 0-19 are suppressed per DHMH / CDC Data Use Policy

Source: CDC Wonder

Table M 3: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Incidence Rates and 95% Confidence Intervals, By Gender and Race

	Female 2013							
	***Other				Spanish/Hispanic Ethnicity (of Any Race)			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	141	71.6	59.4	83.9	92	67.4	53.5	83.9
Brain	<10	**	**	**	<10	**	**	**
Cervix	<10	**	**	**	<10	**	**	**
Colon and Rectum	17	**	**	**	<10	**	**	**
Esophagus	<10	**	**	**	<10	**	**	**
Female Breast (Malignant Only)	18	**	**	**	14	**	**	**
Hodgkins Lymphoma	<10	**	**	**	<10	**	**	**
Kidney and Renal Pelvis	<10	**	**	**	<10	**	**	**
Larynx	<10	**	**	**	<10	**	**	**
Leukemia	<10	**	**	**	<10	**	**	**
Liver and Intrahepatic Bile Duct	<10	**	**	**	<10	**	**	**
Lung and Bronchus	30	15.5	10.3	22.4	s	**	**	**
Melanoma	<10	**	**	**	<10	**	**	**
Multiple Myeloma	<10	**	**	**	<10	**	**	**
Non-Hodgkins Lymphoma	<10	**	**	**	<10	**	**	**
Oral Cavity and Pharynx	<10	**	**	**	<10	**	**	**
Ovary	11	**	**	**	10	**	**	**
Pancreas	12	**	**	**	<10	**	**	**
Stomach	<10	**	**	**	<10	**	**	**
Urinary Bladder	<10	**	**	**	<10	**	**	**
Uterus	<10	**	**	**	<10	**	**	**

Rates are per 100,000 and are age-adjusted to the 2000 U.S. Standard Population.

<10 = case counts of 0-9 are suppressed per DHMH / CDC Data Use Policy

** Rates based on case counts of 0-19 are suppressed per DHMH / CDC Data Use Policy

***Other Includes Asian or Pacific Islander and American Indian or Alaska Native

s=Death counts are suppressed to prevent disclosure of data in other cell(s)

Source: CDC Wonder

2013 Maryland Incidence and Mortality Cancer Fact Sheets (By County)

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Maryland Department of
Health and Mental Hygiene

Allegany County



2013 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

The Maryland Cancer Registry (MCR) is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancers diagnosed and/or treated in Maryland. According to the MCR, a total of 29,885 Maryland residents were diagnosed with cancer in 2013. Cancer remains the second leading cause of death among people in the United States, exceeded only by heart disease.

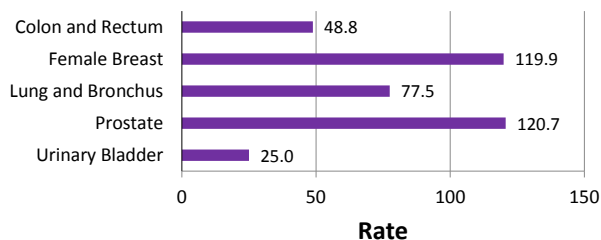
In 2013, the number of incidence and mortality cases in Allegany County were:

Incidence: 523 new cases of all cancer cases

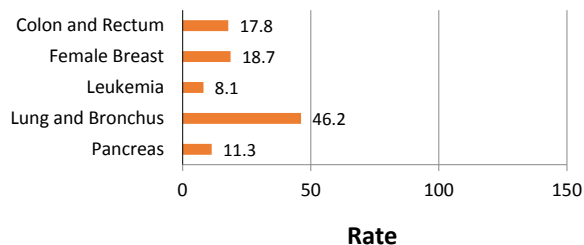
Mortality: 190 deaths from cancer

Top 5 Incidence and Morality Cancer Rates, 2009-2013

INCIDENCE

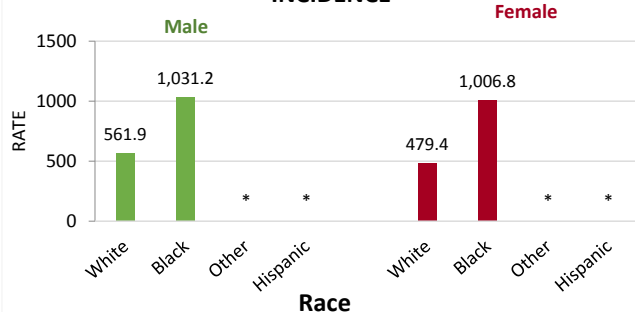


MORTALITY

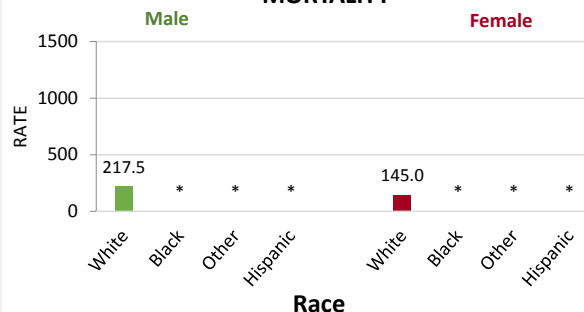


Incidence and Mortality Rates by Race and Gender, 2009-2013

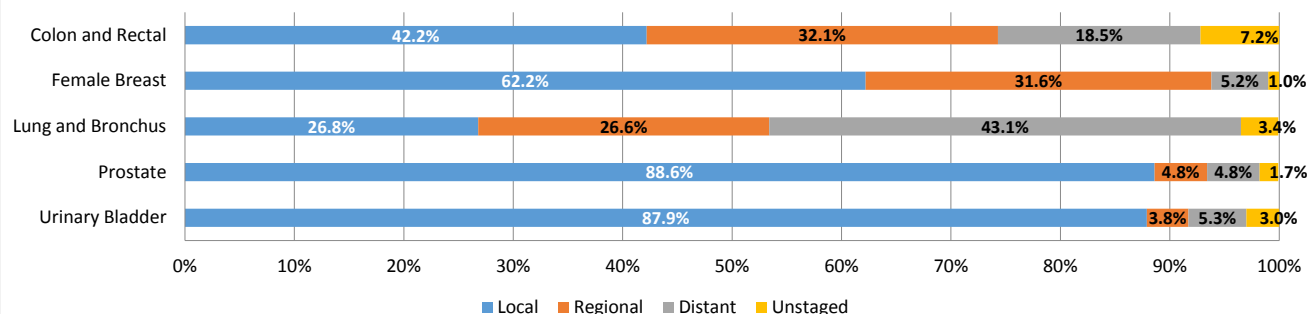
INCIDENCE



MORTALITY



Distribution of Cancer Stage at Diagnosis, Top 5 Incidence Cancer Rates, 2009-2013



Prepared by the Maryland Cancer Registry

* Suppressed rates:

Incidence Rates based on case counts of 1-15 are suppressed per DHMH / MCR Data Use Policy and Procedures

Mortality Rates based on death counts of 0-19 are suppressed per DHMH / CCPC Mortality Data Suppression Policy

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Maryland Department of
Health and Mental Hygiene

Anne Arundel County



2013 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

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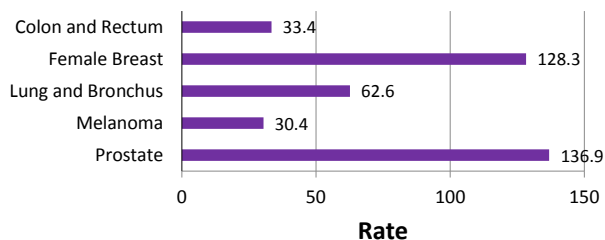
In 2013, the number of incidence and mortality cases in Anne Arundel County were:

Incidence: 2,748 new cases of all cancer cases

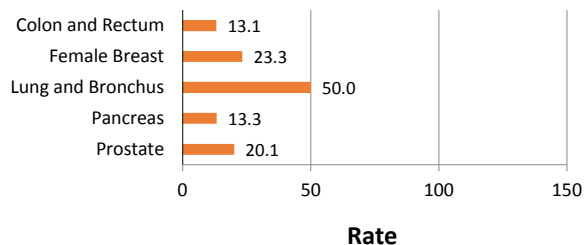
Mortality: 1,060 deaths from cancer

Top 5 Incidence and Morality Cancer Rates, 2009-2013

INCIDENCE

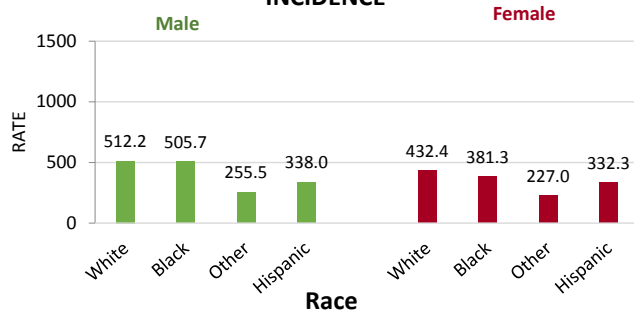


MORTALITY

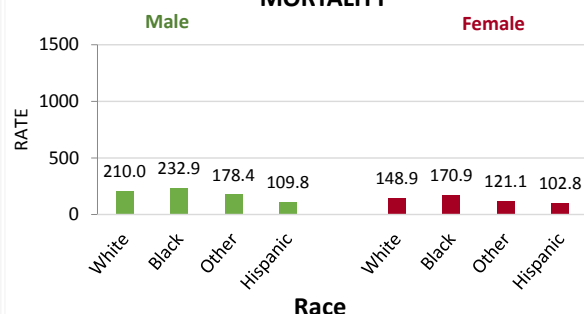


Incidence and Mortality Rates by Race and Gender, 2009-2013

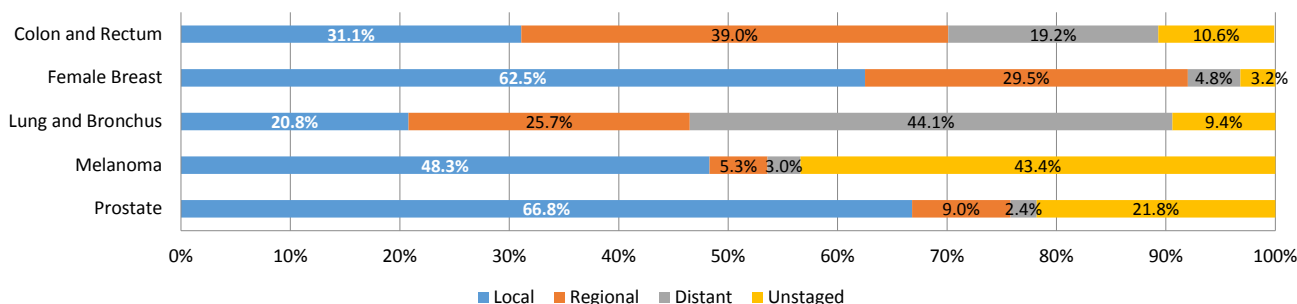
INCIDENCE



MORTALITY



Distribution of Cancer Stage at Diagnosis, Top 5 Incidence Cancer Rates, 2009-2013



Prepared by the Maryland Cancer Registry

* Suppressed rates:

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Mortality Rates based on death counts of 0-19 are suppressed per DHMH / CCPC Mortality Data Suppression Policy

Other = Asian or Pacific Islander, American Indian, Alaskan Native



Maryland Department of
Health and Mental Hygiene

Baltimore City



2013 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

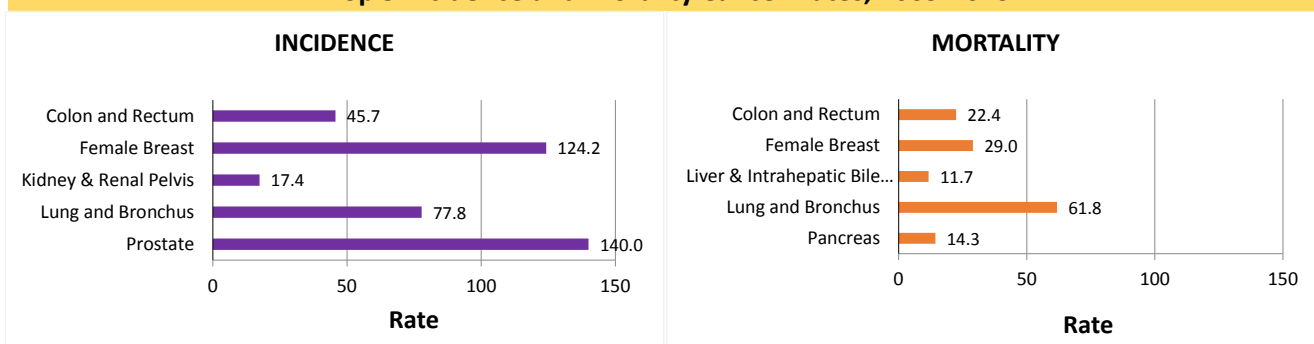
The Maryland Cancer Registry (MCR) is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancers diagnosed and/or treated in Maryland. According to the MCR, a total of 29,885 Maryland residents were diagnosed with cancer in 2013. Cancer remains the second leading cause of death among people in the United States, exceeded only by heart disease.

In 2013, the number of incidence and mortality cases in Baltimore City were:

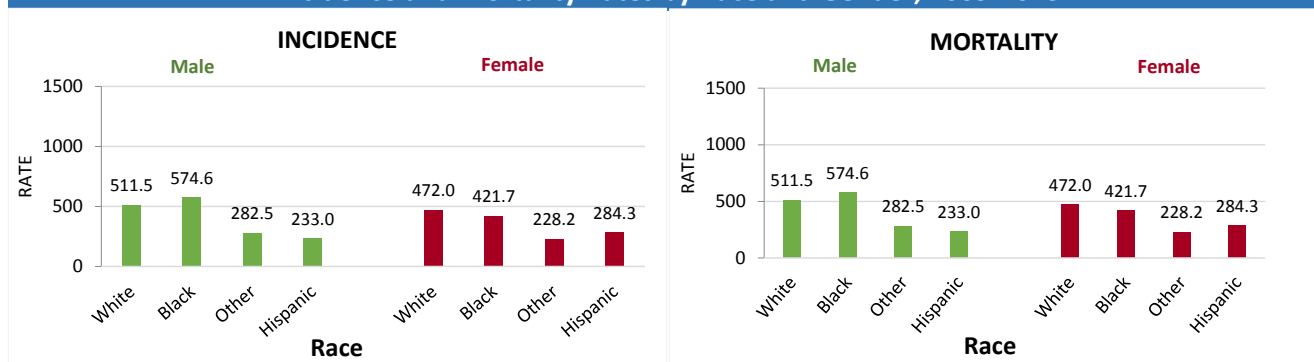
Incidence: 3,164 new cases of all cancer cases

Mortality: 1,544 deaths from cancer

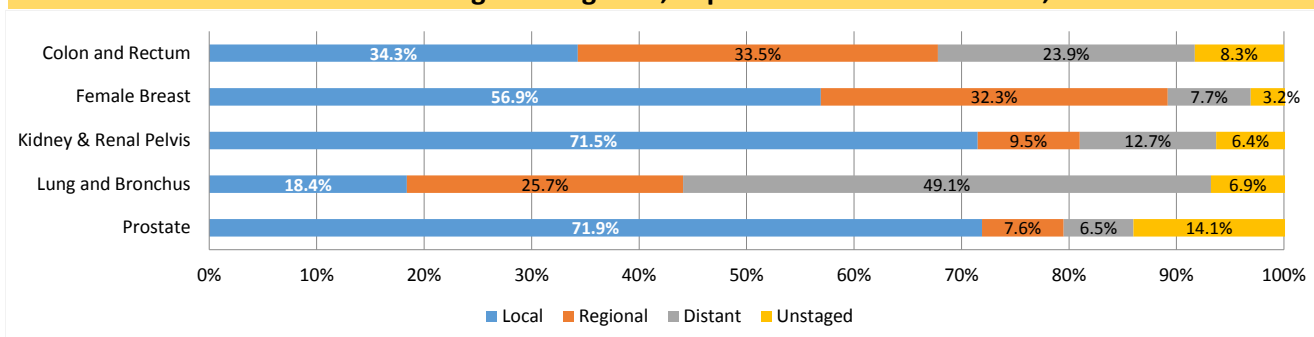
Top 5 Incidence and Morality Cancer Rates, 2009-2013



Incidence and Mortality Rates by Race and Gender, 2009-2013



Distribution of Cancer Stage at Diagnosis, Top 5 Incidence Cancer Rates, 2009-2013



Prepared by the Maryland Cancer Registry

* Suppressed rates:

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Maryland Department of
Health and Mental Hygiene

Baltimore County



2013 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

The Maryland Cancer Registry (MCR) is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancers diagnosed and/or treated in Maryland. According to the MCR, a total of 29,885 Maryland residents were diagnosed with cancer in 2013. Cancer remains the second leading cause of death among people in the United States, exceeded only by heart disease.

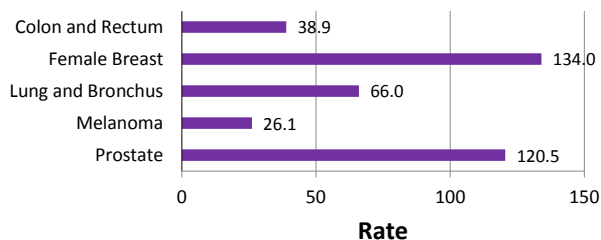
In 2013, the number of incidence and mortality cases in Baltimore County were:

Incidence: 4,787 new cases of all cancer cases

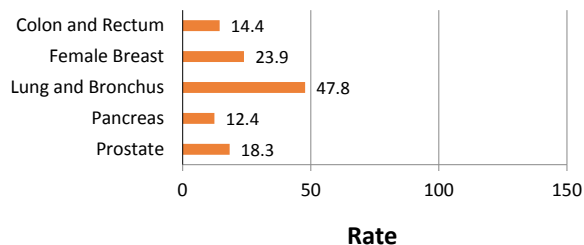
Mortality: 1,536 deaths from cancer

Top 5 Incidence and Morality Cancer Rates, 2009-2013

INCIDENCE

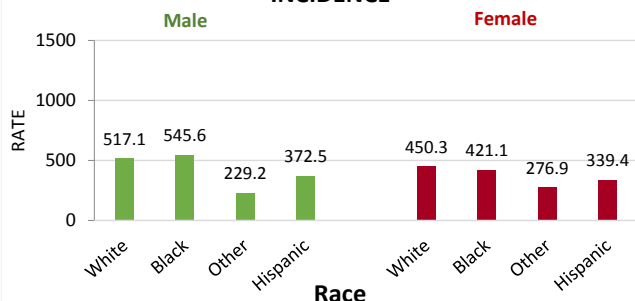


MORTALITY

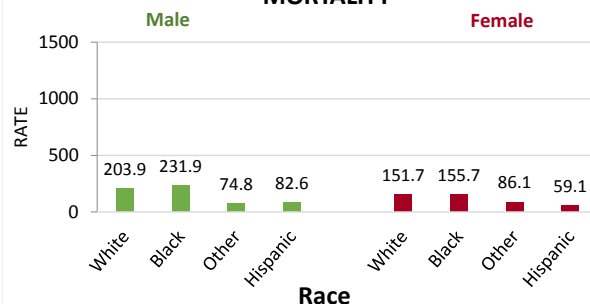


Incidence and Mortality Rates by Race and Gender, 2009-2013

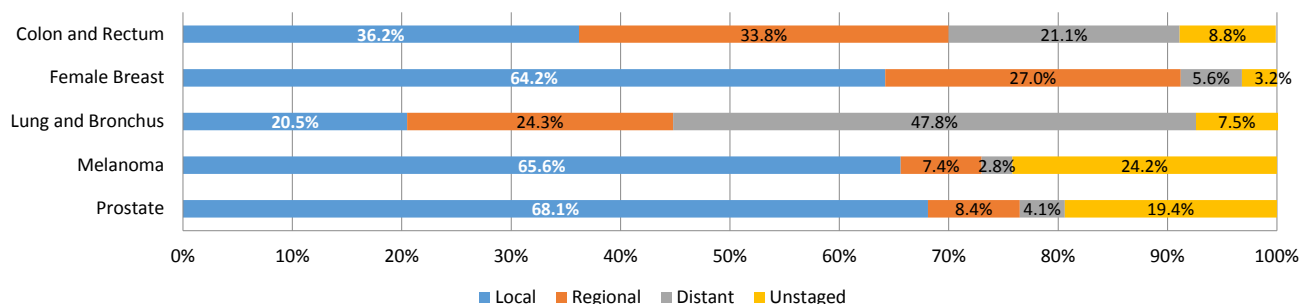
INCIDENCE



MORTALITY



Distribution of Cancer Stage at Diagnosis, Top 5 Incidence Cancer Rates, 2009-2013



Prepared by the Maryland Cancer Registry

* Suppressed rates:

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Maryland Department of
Health and Mental Hygiene

Calvert County



2013 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

The Maryland Cancer Registry (MCR) is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancers diagnosed and/or treated in Maryland. According to the MCR, a total of 29,885 Maryland residents were diagnosed with cancer in 2013. Cancer remains the second leading cause of death among people in the United States, exceeded only by heart disease.

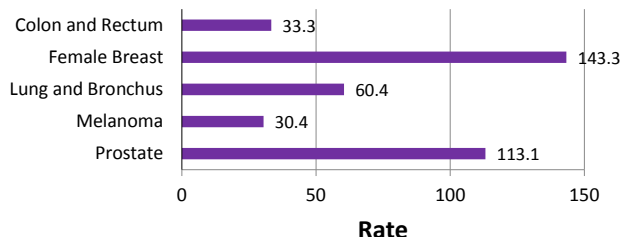
In 2013, the number of incidence and mortality cases in Calvert County were:

Incidence: 495 new cases of all cancer cases

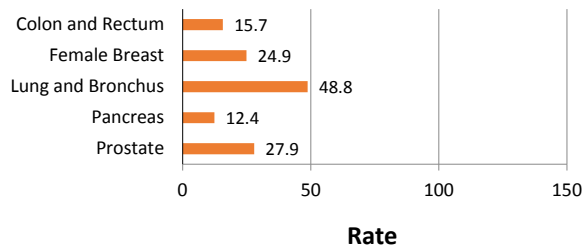
Mortality: 154 deaths from cancer

Top 5 Incidence and Morality Cancer Rates, 2009-2013

INCIDENCE

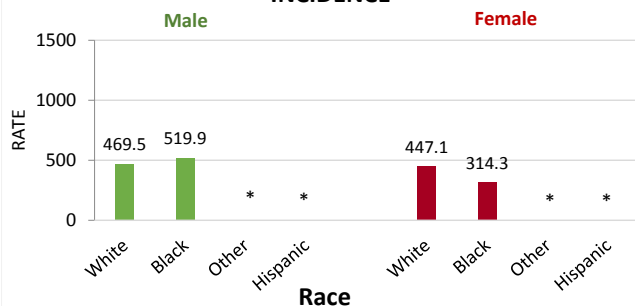


MORTALITY

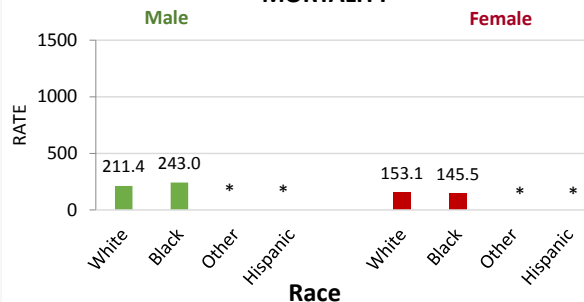


Incidence and Mortality Rates by Race and Gender, 2009-2013

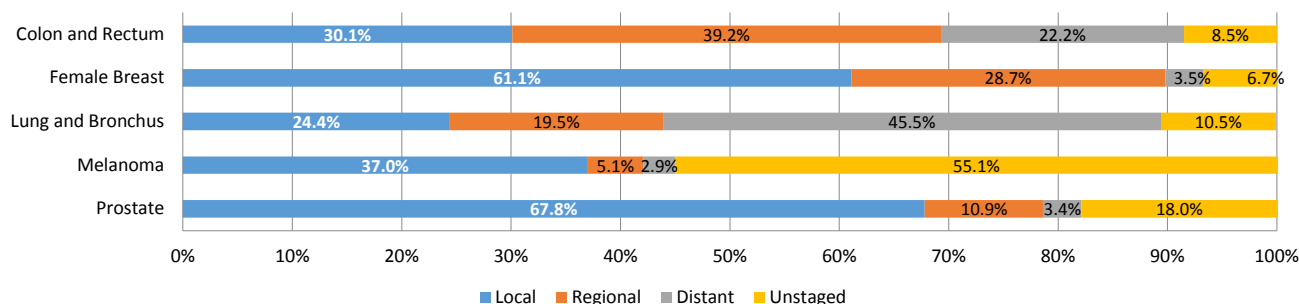
INCIDENCE



MORTALITY



Distribution of Cancer Stage at Diagnosis, Top 5 Incidence Cancer Rates, 2009-2013



Prepared by the Maryland Cancer Registry

* Suppressed rates:

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Other = Asian or Pacific Islander, American Indian, Alaskan Native



Maryland Department of
Health and Mental Hygiene

Caroline County



2013 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

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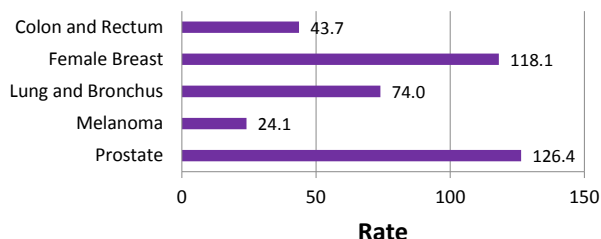
In 2013, the number of incidence and mortality cases in Caroline County were:

Incidence: 199 new cases of all cancer cases

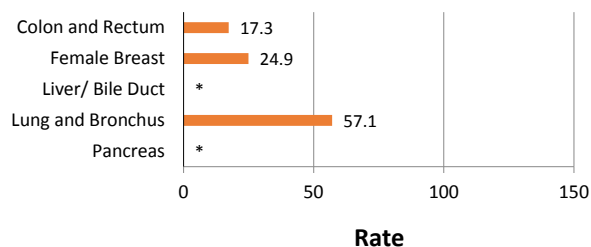
Mortality: 67 deaths from cancer

Top 5 Incidence and Morality Cancer Rates, 2009-2013

INCIDENCE

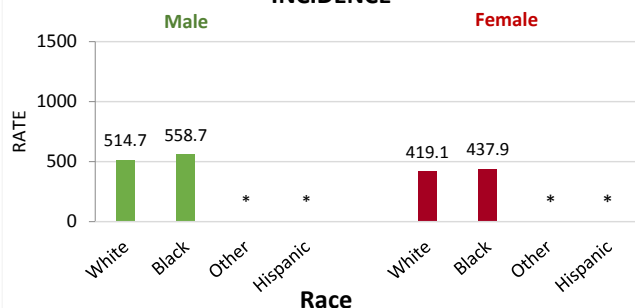


MORTALITY

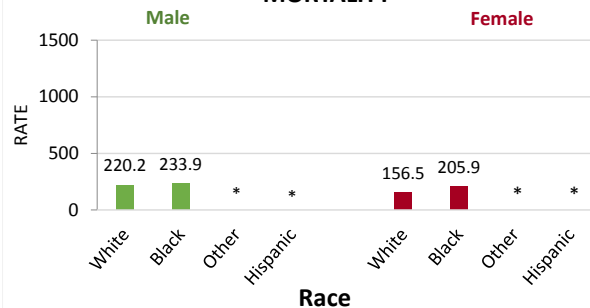


Incidence and Mortality Rates by Race and Gender, 2009-2013

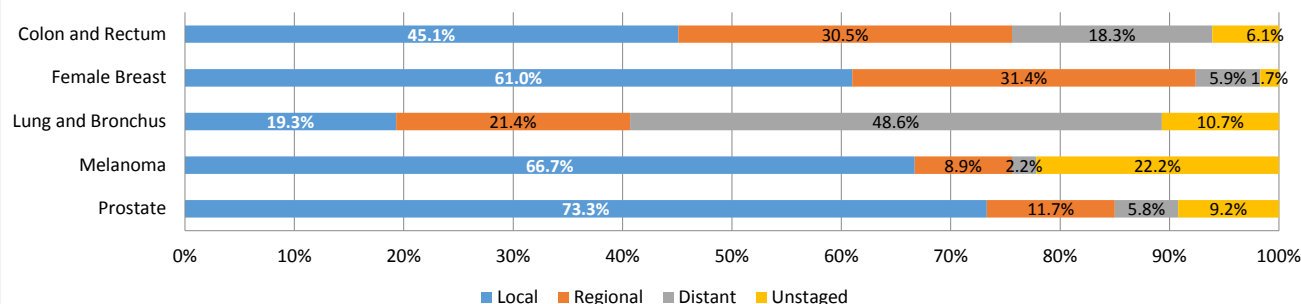
INCIDENCE



MORTALITY



Distribution of Cancer Stage at Diagnosis, Top 5 Incidence Cancer Rates, 2009-2013



Prepared by the Maryland Cancer Registry

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Maryland Department of
Health and Mental Hygiene

Carroll County



2013 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

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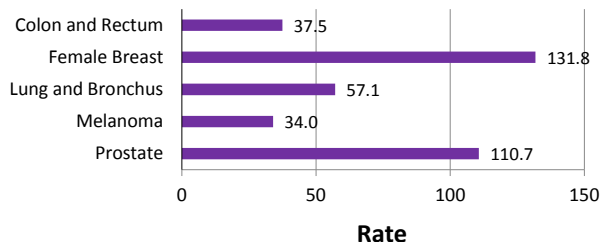
In 2013, the number of incidence and mortality cases in Carroll County were:

Incidence: 1,010 new cases of all cancer cases

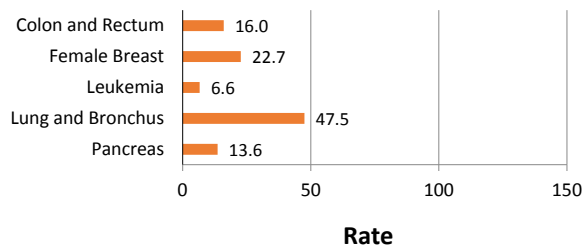
Mortality: 328 deaths from cancer

Top 5 Incidence and Morality Cancer Rates, 2009-2013

INCIDENCE

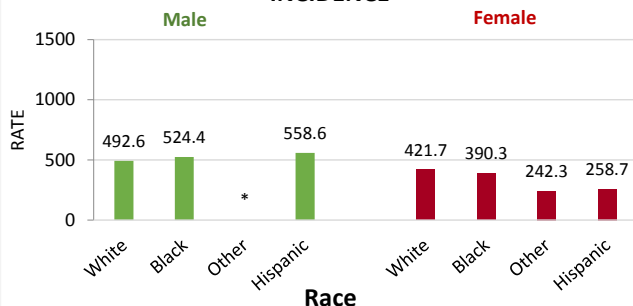


MORTALITY

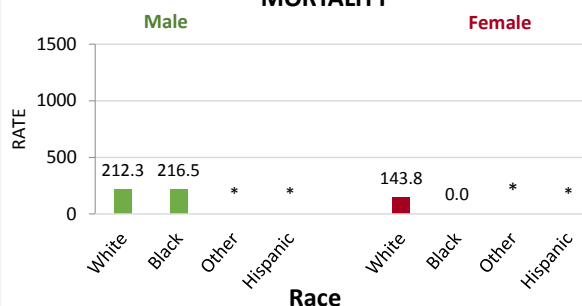


Incidence and Mortality Rates by Race and Gender, 2009-2013

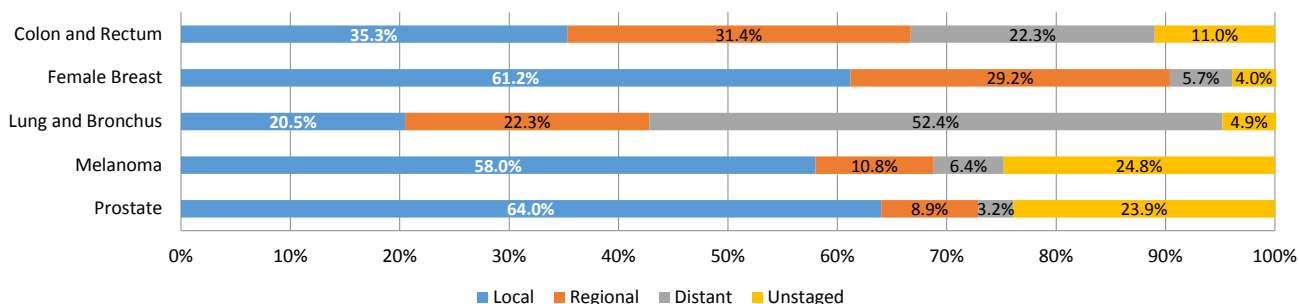
INCIDENCE



MORTALITY



Distribution of Cancer Stage at Diagnosis, Top 5 Incidence Cancer Rates, 2009-2013



Prepared by the Maryland Cancer Registry

* Suppressed rates:

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Maryland Department of
Health and Mental Hygiene

Cecil County



2013 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

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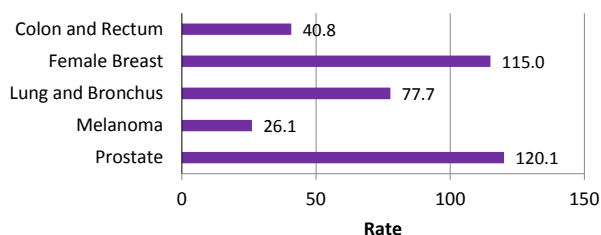
In 2013, the number of incidence and mortality cases in Cecil County were:

Incidence: 596 new cases of all cancer cases

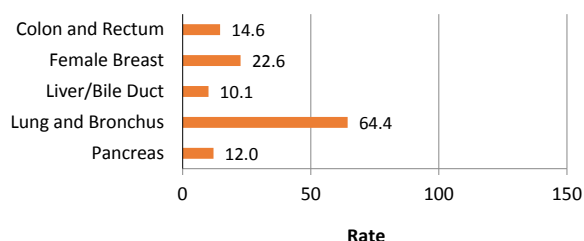
Mortality: 215 deaths from cancer

Top 5 Incidence and Morality Cancer Rates, 2009-2013

INCIDENCE

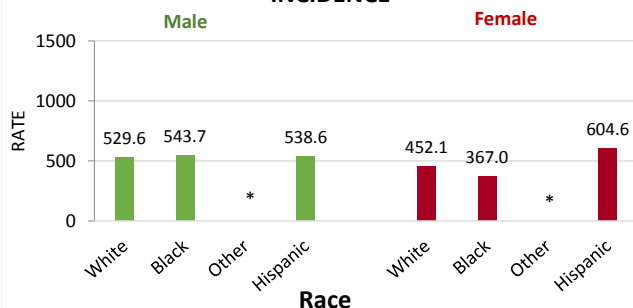


MORTALITY

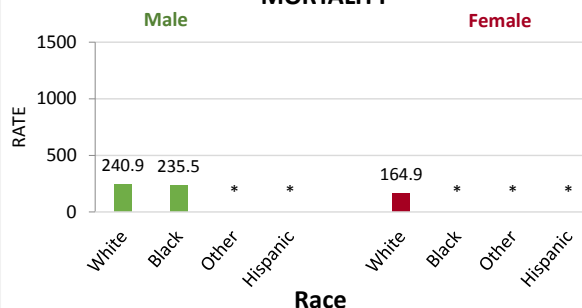


Incidence and Mortality Rates by Race and Gender, 2009-2013

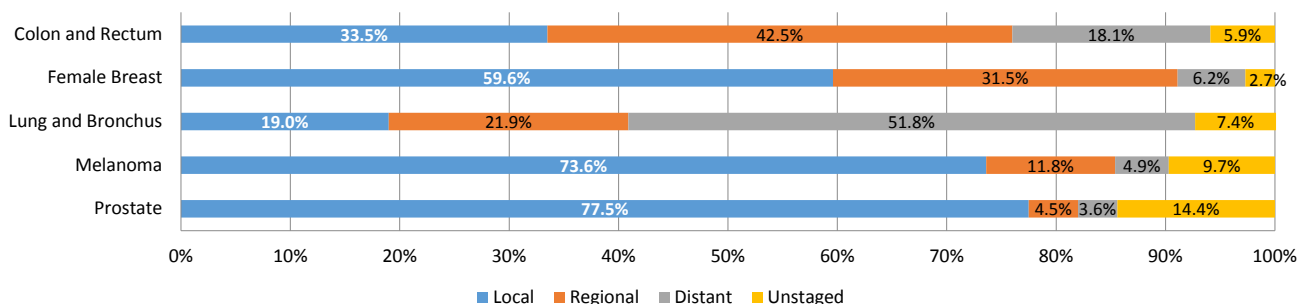
INCIDENCE



MORTALITY



Distribution of Cancer Stage at Diagnosis, Top 5 Incidence Cancer Rates, 2009-2013



Prepared by the Maryland Cancer Registry

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Other = Asian or Pacific Islander, American Indian, Alaskan Native



Maryland Department of
Health and Mental Hygiene

Charles County



2013 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

The Maryland Cancer Registry (MCR) is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancers diagnosed and/or treated in Maryland. According to the MCR, a total of 29,885 Maryland residents were diagnosed with cancer in 2013. Cancer remains the second leading cause of death among people in the United States, exceeded only by heart disease.

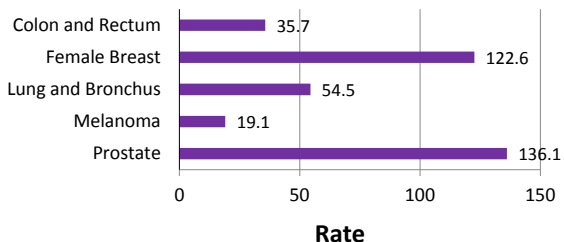
In 2013, the number of incidence and mortality cases in Charles County were:

Incidence: 677 new cases of all cancer cases

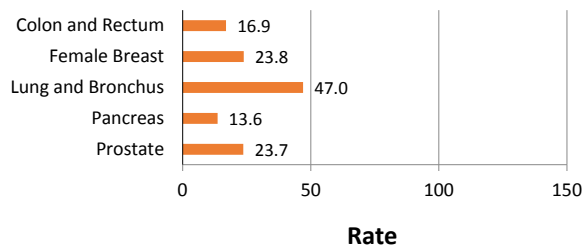
Mortality: 239 deaths from cancer

Top 5 Incidence and Morality Cancer Rates, 2009-2013

INCIDENCE

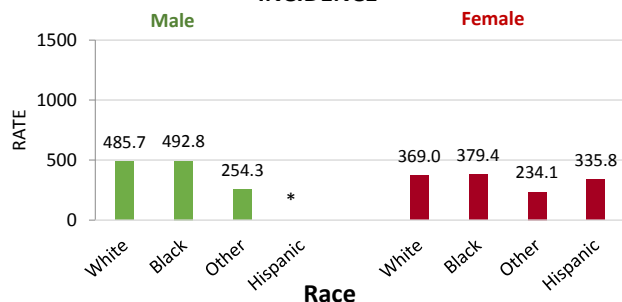


MORTALITY

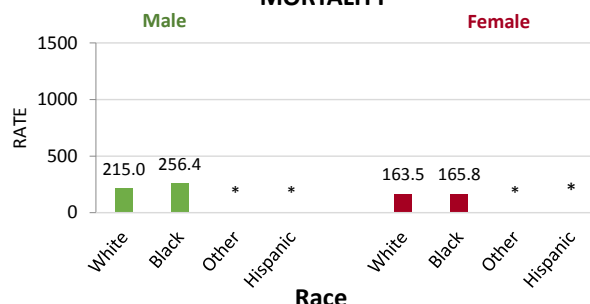


Incidence and Mortality Rates by Race and Gender, 2009-2013

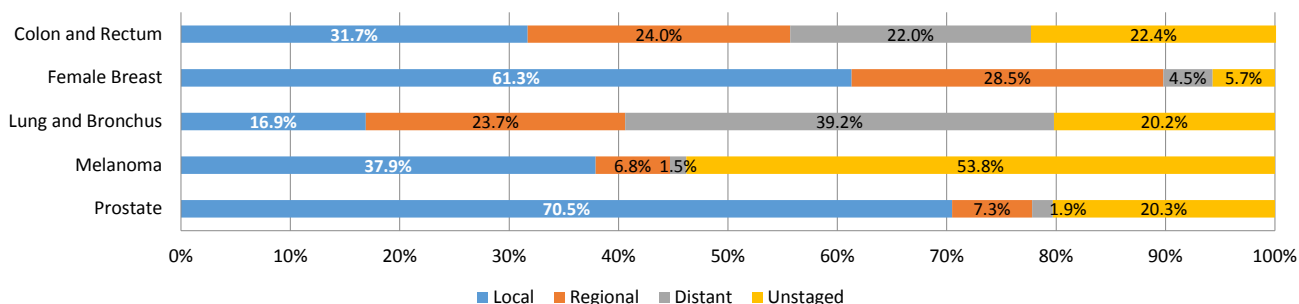
INCIDENCE



MORTALITY



Distribution of Cancer Stage at Diagnosis, Top 5 Incidence Cancer Rates, 2009-2013



Prepared by the Maryland Cancer Registry

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Maryland Department of
Health and Mental Hygiene

Dorchester County



2013 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

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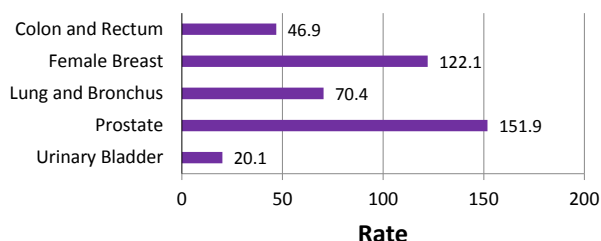
In 2013, the number of incidence and mortality cases in Dorchester County were:

Incidence: 236 new cases of all cancer cases

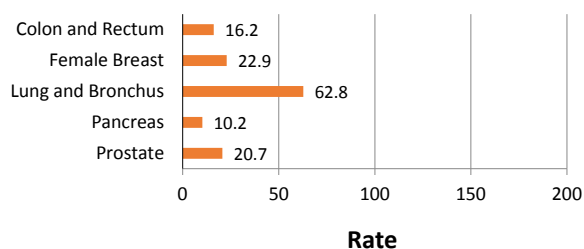
Mortality: 86 deaths from cancer

Top 5 Incidence and Morality Cancer Rates, 2009-2013

INCIDENCE

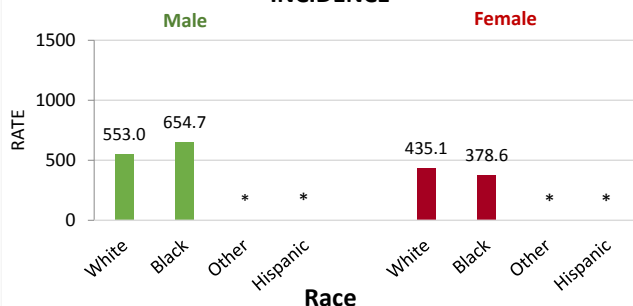


MORTALITY

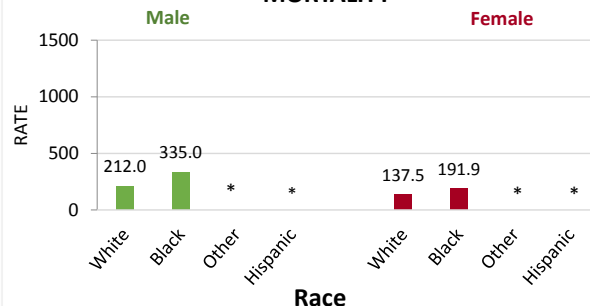


Incidence and Mortality Rates by Race and Gender, 2009-2013

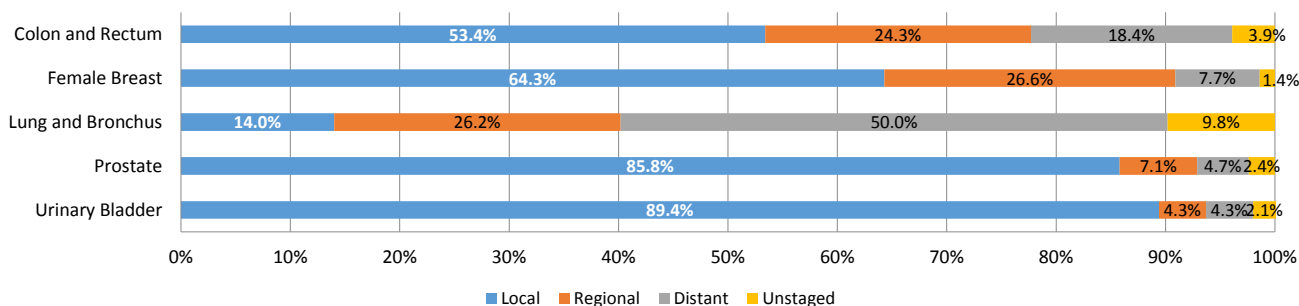
INCIDENCE



MORTALITY



Distribution of Cancer Stage at Diagnosis, Top 5 Incidence Cancer Rates, 2009-2013



Prepared by the Maryland Cancer Registry

* Suppressed rates:

Incidence Rates based on case counts of 1-15 are suppressed per DHMH / MCR Data Use Policy and Procedures

Mortality Rates based on death counts of 0-19 are suppressed per DHMH / CCPC Mortality Data Suppression Policy

Other = Asian or Pacific Islander, American Indian, Alaskan Native



Maryland Department of
Health and Mental Hygiene

Frederick County



2013 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

The Maryland Cancer Registry (MCR) is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancers diagnosed and/or treated in Maryland. According to the MCR, a total of 29,885 Maryland residents were diagnosed with cancer in 2013. Cancer remains the second leading cause of death among people in the United States, exceeded only by heart disease.

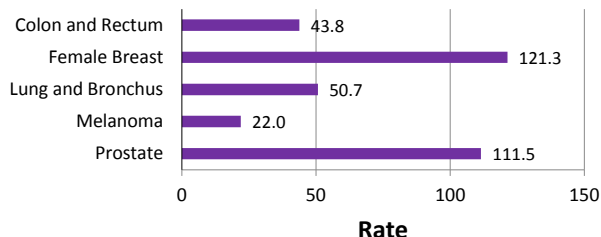
In 2013, the number of incidence and mortality cases in Frederick County were:

Incidence: 1,135 new cases of all cancer cases

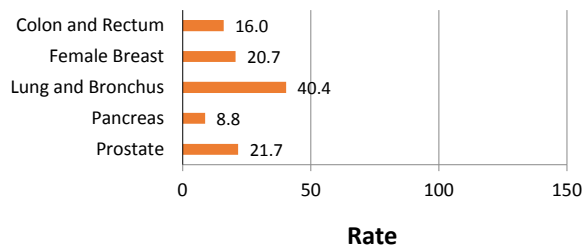
Mortality: 355 deaths from cancer

Top 5 Incidence and Morality Cancer Rates, 2009-2013

INCIDENCE

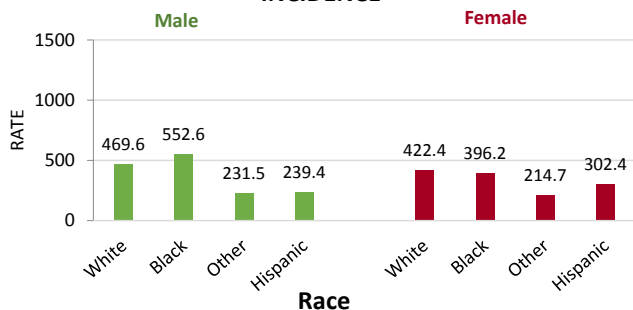


MORTALITY

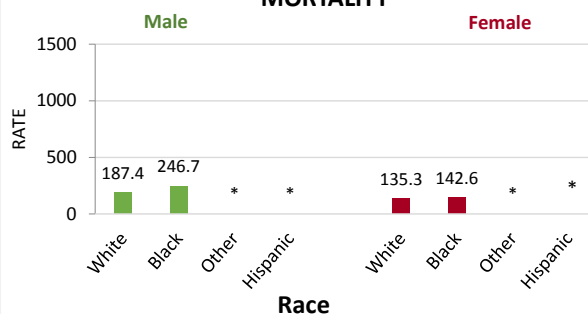


Incidence and Mortality Rates by Race and Gender, 2009-2013

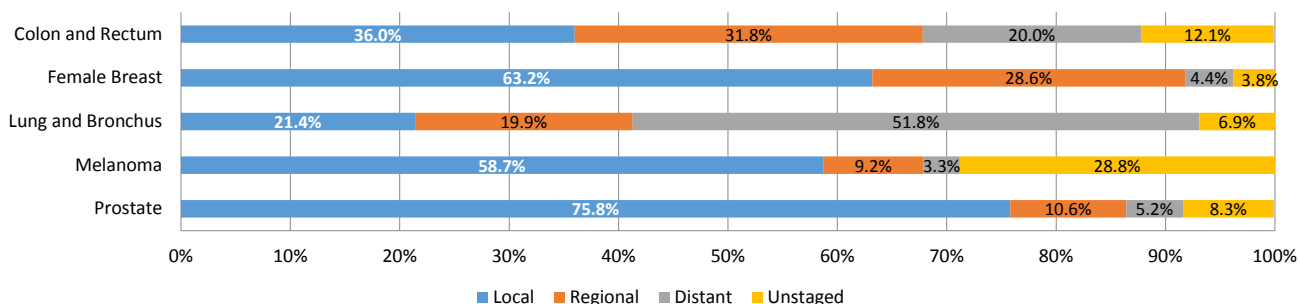
INCIDENCE



MORTALITY



Distribution of Cancer Stage at Diagnosis, Top 5 Incidence Cancer Rates, 2009-2013



Prepared by the Maryland Cancer Registry

* Suppressed rates:

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Maryland Department of
Health and Mental Hygiene

Garrett County



2013 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

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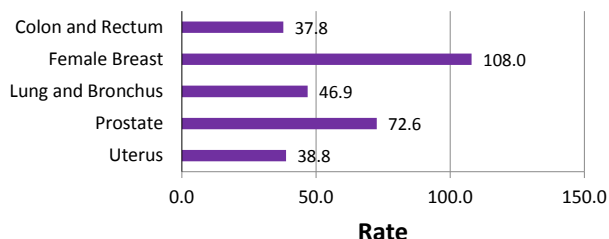
In 2013, the number of incidence and mortality cases in Garrett County were:

Incidence: 137 new cases of all cancer cases

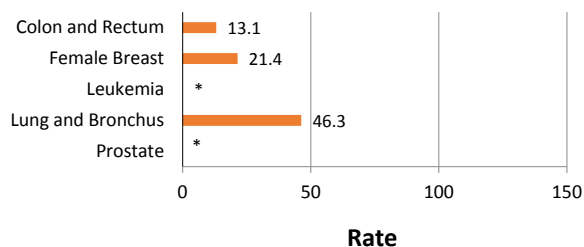
Mortality: 56 deaths from cancer

Top 5 Incidence and Morality Cancer Rates, 2009-2013

INCIDENCE

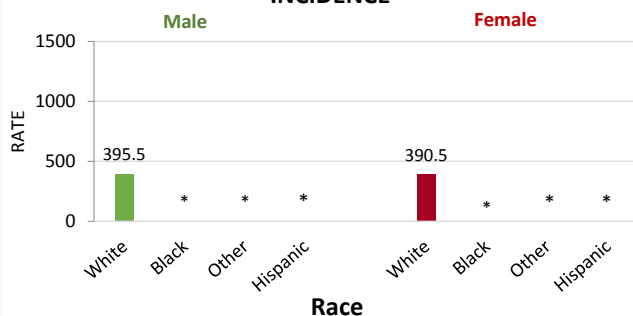


MORTALITY

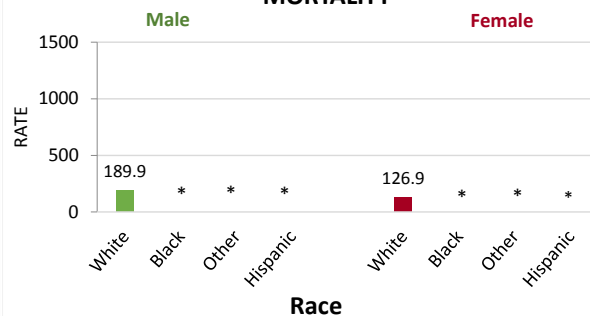


Incidence and Mortality Rates by Race and Gender, 2009-2013

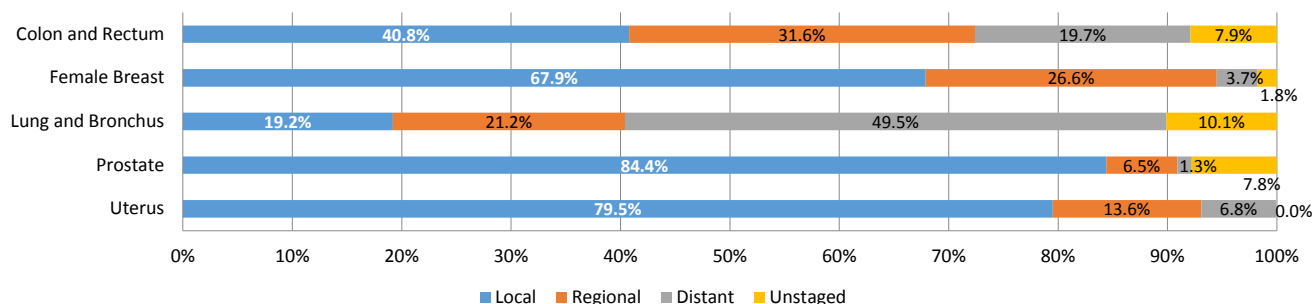
INCIDENCE



MORTALITY



Distribution of Cancer Stage at Diagnosis, Top 5 Incidence Cancer Rates, 2009-2013



Prepared by the Maryland Cancer Registry

* Suppressed rates:

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Maryland Department of
Health and Mental Hygiene

Harford County



2013 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

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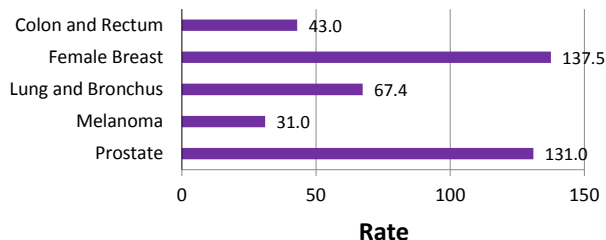
In 2013, the number of incidence and mortality cases in Harford County were:

Incidence: 1,412 new cases of all cancer cases

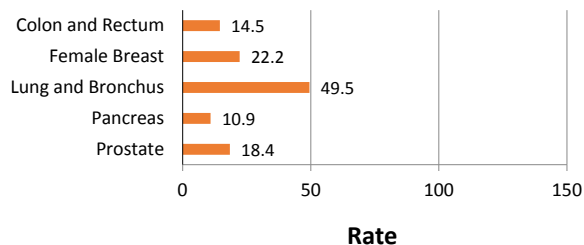
Mortality: 457 deaths from cancer

Top 5 Incidence and Morality Cancer Rates, 2009-2013

INCIDENCE

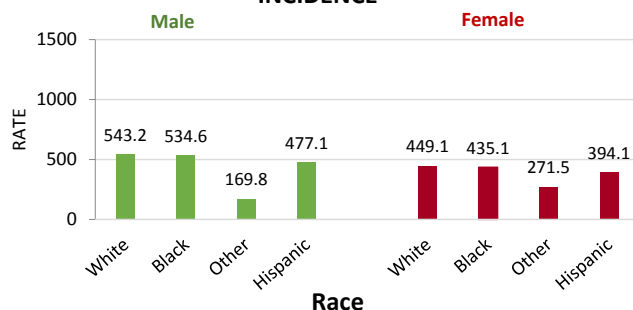


MORTALITY

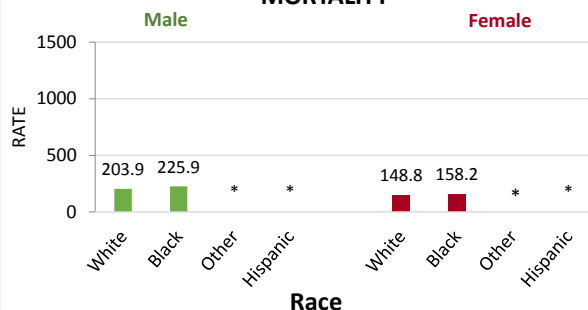


Incidence and Mortality Rates by Race and Gender, 2009-2013

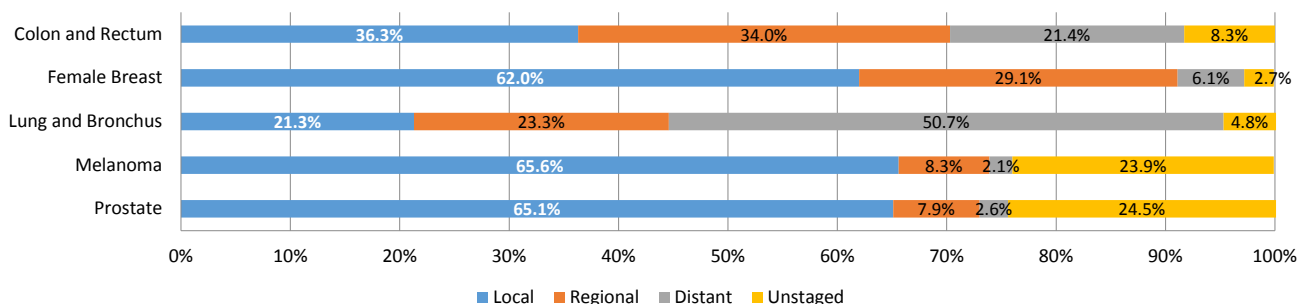
INCIDENCE



MORTALITY



Distribution of Cancer Stage at Diagnosis, Top 5 Incidence Cancer Rates, 2009-2013



Prepared by the Maryland Cancer Registry

* Suppressed rates:

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Maryland Department of
Health and Mental Hygiene

Howard County



2013 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

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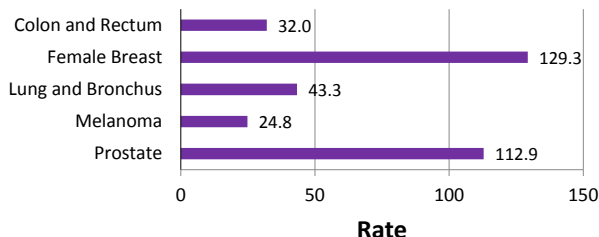
In 2013, the number of incidence and mortality cases in Howard County were:

Incidence: 1,380 new cases of all cancer cases

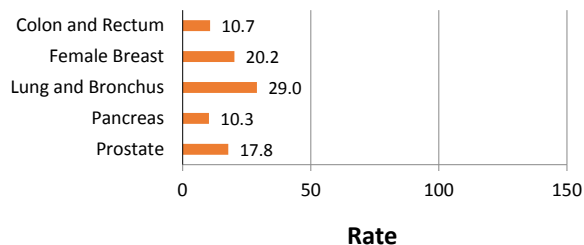
Mortality: 384 deaths from cancer

Top 5 Incidence and Morality Cancer Rates, 2009-2013

INCIDENCE

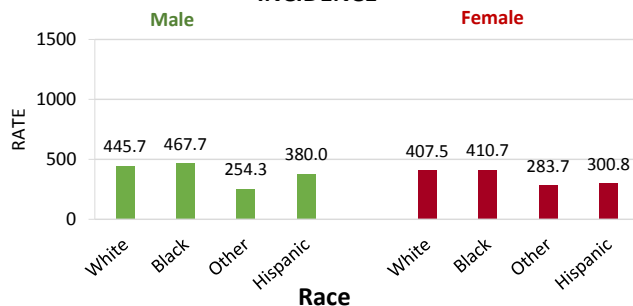


MORTALITY

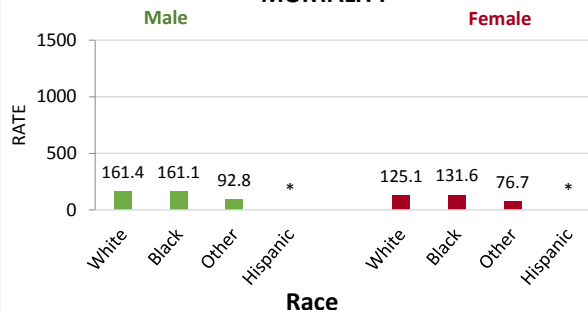


Incidence and Mortality Rates by Race and Gender, 2009-2013

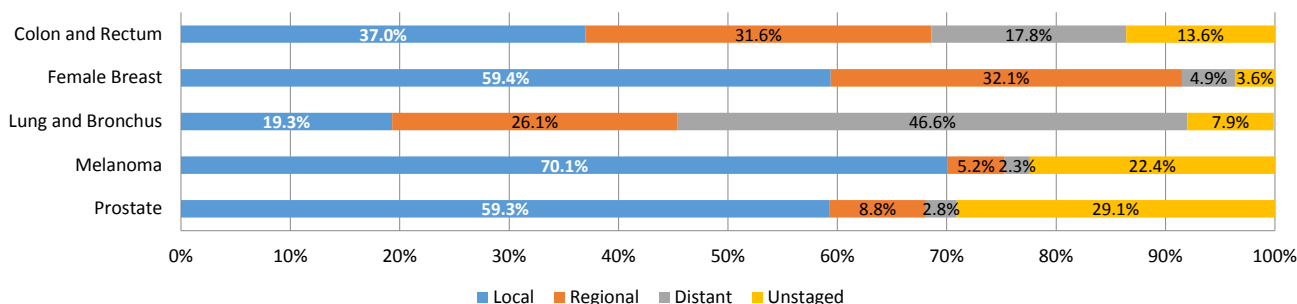
INCIDENCE



MORTALITY



Distribution of Cancer Stage at Diagnosis, Top 5 Incidence Cancer Rates, 2009-2013



Prepared by the Maryland Cancer Registry

* Suppressed rates:

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Maryland Department of
Health and Mental Hygiene

Kent County



2013 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

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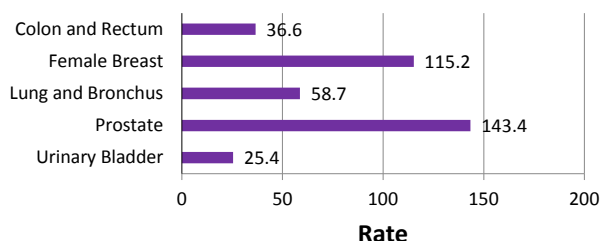
In 2013, the number of incidence and mortality cases in Kent County were:

Incidence: 143 new cases of all cancer cases

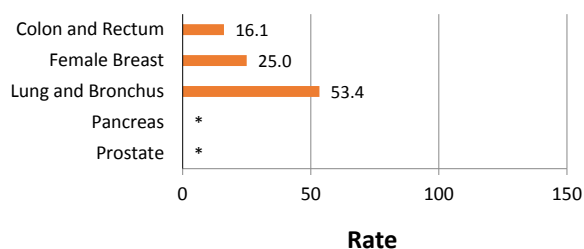
Mortality: 50 deaths from cancer

Top 5 Incidence and Morality Cancer Rates, 2009-2013

INCIDENCE

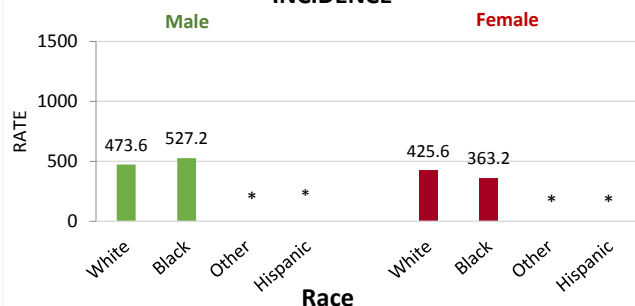


MORTALITY

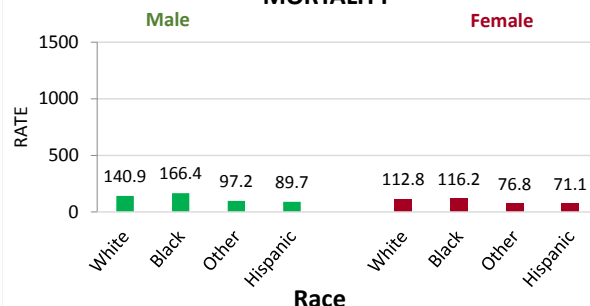


Incidence and Mortality Rates by Race and Gender, 2009-2013

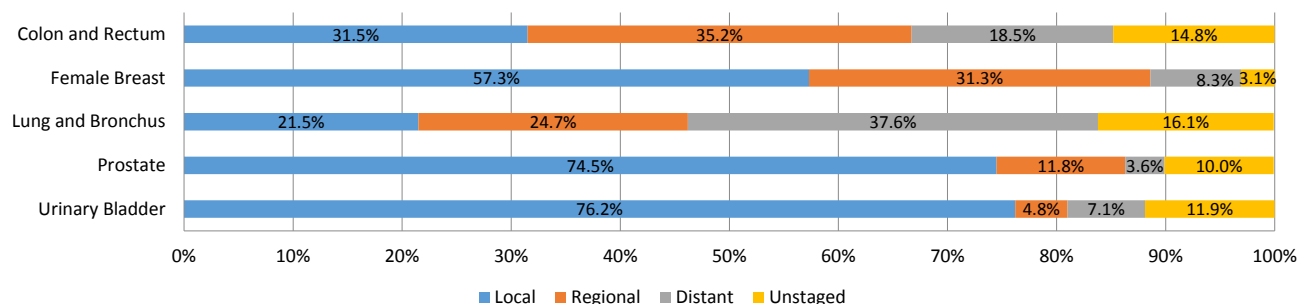
INCIDENCE



MORTALITY



Distribution of Cancer Stage at Diagnosis, Top 5 Incidence Cancer Rates, 2009-2013



Prepared by the Maryland Cancer Registry

* Suppressed rates:

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Mortality Rates based on death counts of 0-19 are suppressed per DHMH / CCPC Mortality Data Suppression Policy

Other = Asian or Pacific Islander, American Indian, Alaskan Native



Maryland Department of
Health and Mental Hygiene

Montgomery County



2013 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

The Maryland Cancer Registry (MCR) is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancers diagnosed and/or treated in Maryland. According to the MCR, a total of 29,885 Maryland residents were diagnosed with cancer in 2013. Cancer remains the second leading cause of death among people in the United States, exceeded only by heart disease.

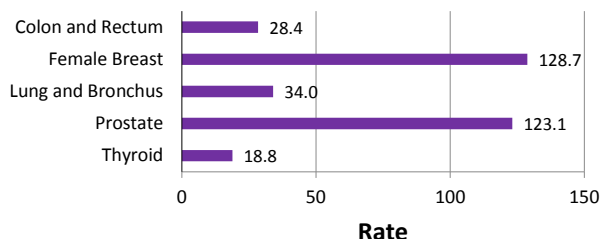
In 2013, the number of incidence and mortality cases in Montgomery County were:

Incidence: 4,424 new cases of all cancer cases

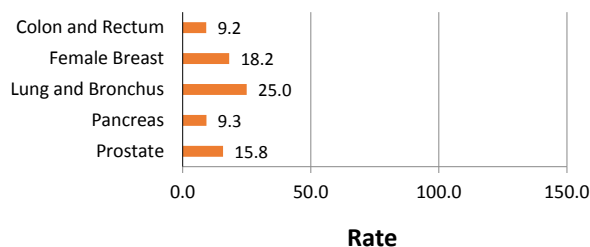
Mortality: 1,323 deaths from cancer

Top 5 Incidence and Morality Cancer Rates, 2009-2013

INCIDENCE

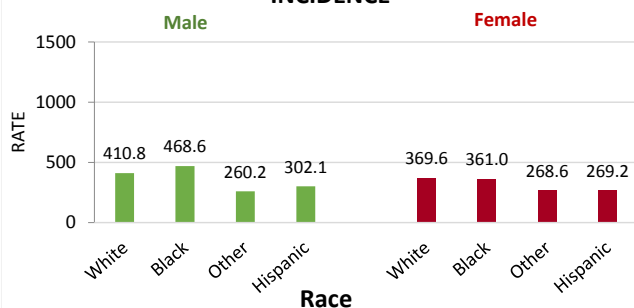


MORTALITY

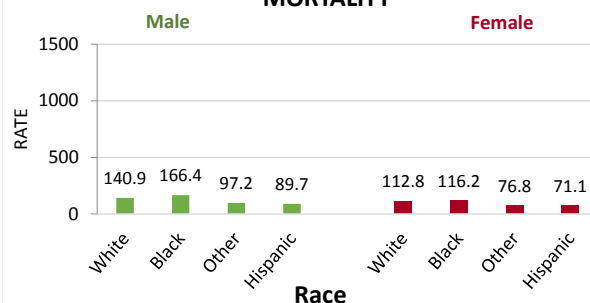


Incidence and Mortality Rates by Race and Gender, 2009-2013

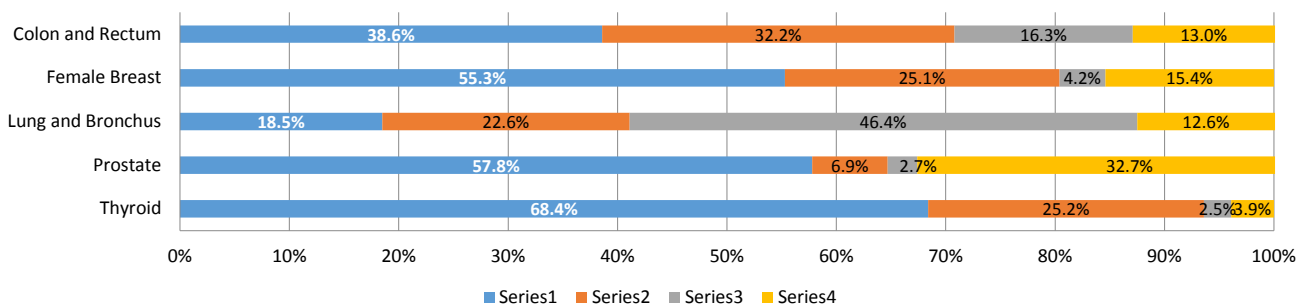
INCIDENCE



MORTALITY



Distribution of Cancer Stage at Diagnosis, Top 5 Incidence Cancer Rates, 2009-2013



Prepared by the Maryland Cancer Registry

* Suppressed rates:

Incidence Rates based on case counts of 1-15 are suppressed per DHMH / MCR Data Use Policy and Procedures

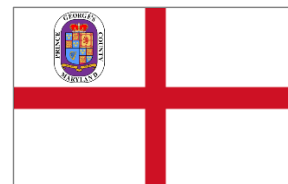
Mortality Rates based on death counts of 0-19 are suppressed per DHMH / CCPC Mortality Data Suppression Policy

Other = Asian or Pacific Islander, American Indian, Alaskan Native



Maryland Department of
Health and Mental Hygiene

Prince George's County



2013 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

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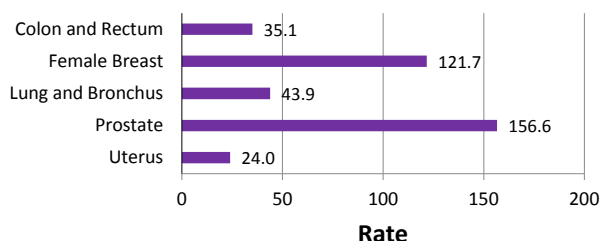
In 2013, the number of incidence and mortality cases in Prince George's County were:

Incidence: 3,655 new cases of all cancer cases

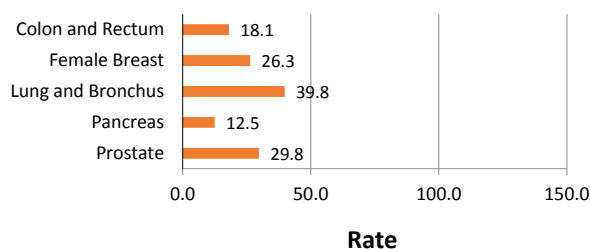
Mortality: 1,326 deaths from cancer

Top 5 Incidence and Morality Cancer Rates, 2009-2013

INCIDENCE

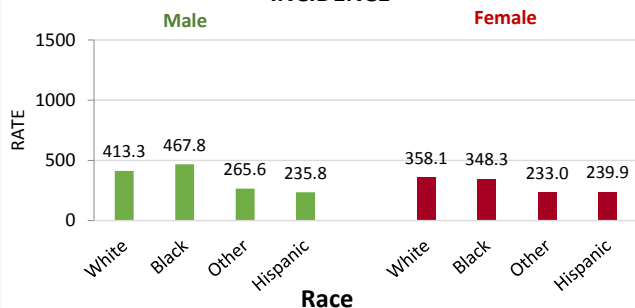


MORTALITY

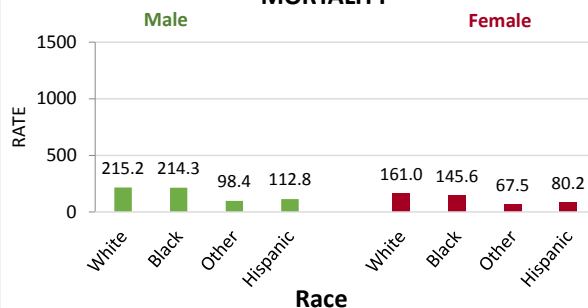


Incidence and Mortality Rates by Race and Gender, 2009-2013

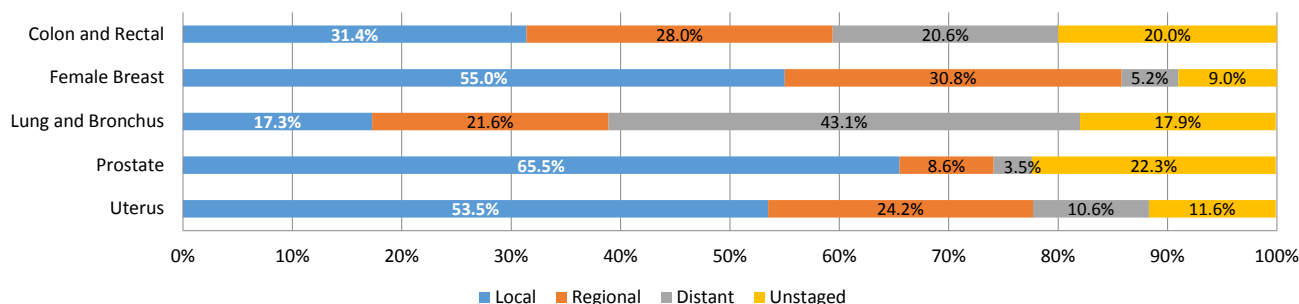
INCIDENCE



MORTALITY



Distribution of Cancer Stage at Diagnosis, Top 5 Incidence Cancer Rates, 2009-2013



Prepared by the Maryland Cancer Registry

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Maryland Department of
Health and Mental Hygiene

Queen Anne's County



2013 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

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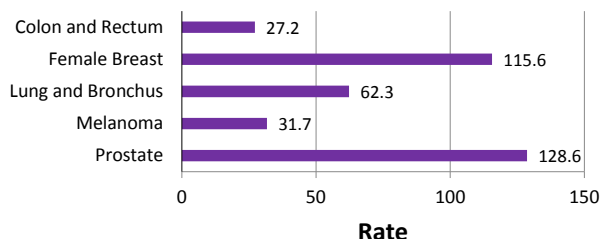
In 2013, the number of incidence and mortality cases in Queen Anne's County were:

Incidence: 315 new cases of all cancer cases

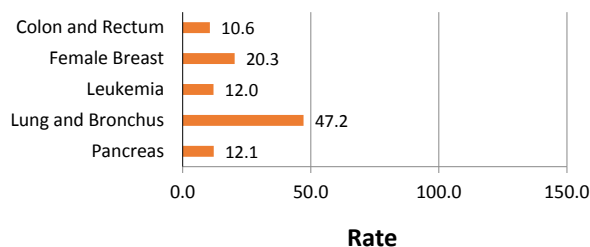
Mortality: 102 deaths from cancer

Top 5 Incidence and Morality Cancer Rates, 2009-2013

INCIDENCE

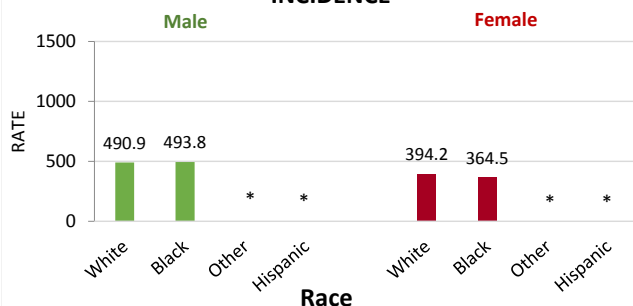


MORTALITY

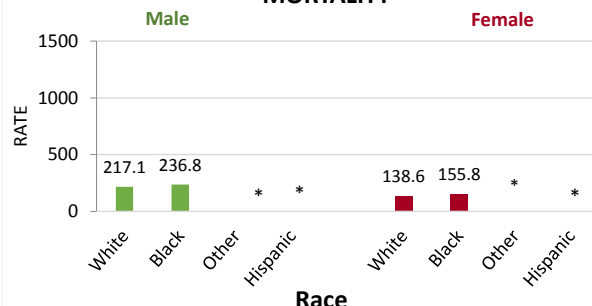


Incidence and Mortality Rates by Race and Gender, 2009-2013

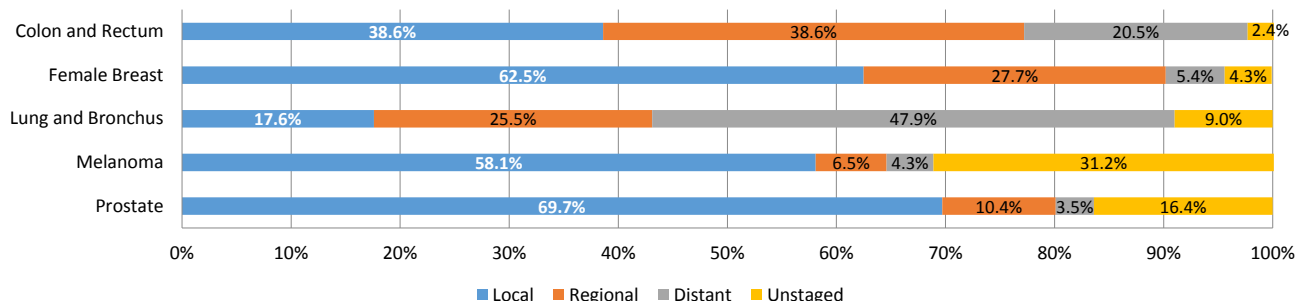
INCIDENCE



MORTALITY



Distribution of Cancer Stage at Diagnosis, Top 5 Incidence Cancer Rates, 2009-2013



Prepared by the Maryland Cancer Registry

* Suppressed rates:

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Mortality Rates based on death counts of 0-19 are suppressed per DHMH / CCPC Mortality Data Suppression Policy

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Maryland Department of
Health and Mental Hygiene

Somerset County



2013 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

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In 2013, the number of incidence and mortality cases in Somerset County were:

Incidence: 143 new cases of all cancer cases

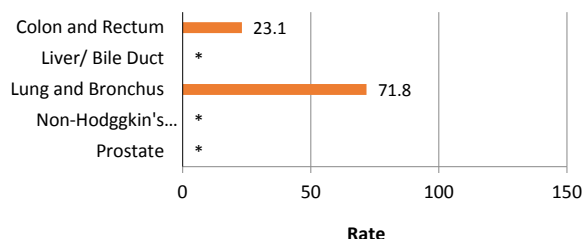
Mortality: 52 deaths from cancer

Top 5 Incidence and Morality Cancer Rates, 2009-2013

INCIDENCE

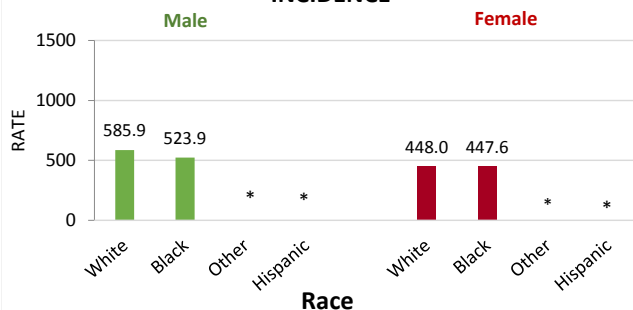


MORTALITY

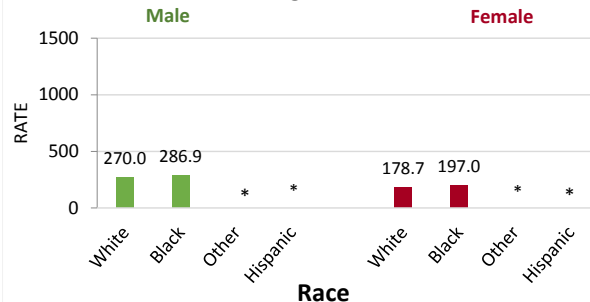


Incidence and Mortality Rates by Race and Gender, 2009-2013

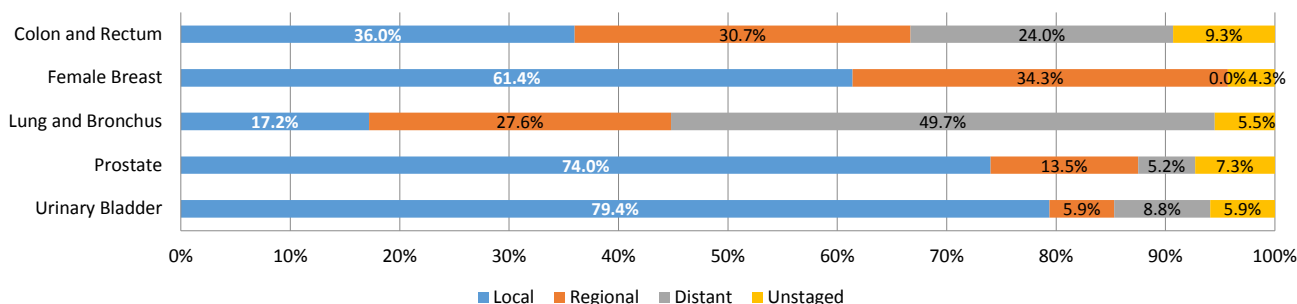
INCIDENCE



MORTALITY



Distribution of Cancer Stage at Diagnosis, Top 5 Incidence Cancer Rates, 2009-2013



Prepared by the Maryland Cancer Registry

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Maryland Department of
Health and Mental Hygiene

St. Mary's County



2013 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

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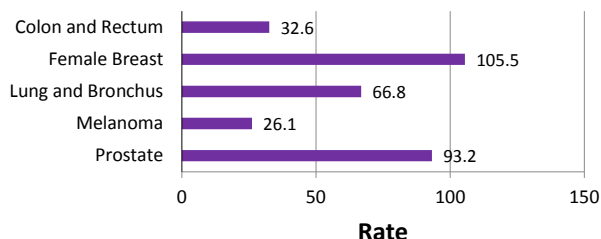
In 2013, the number of incidence and mortality cases in St. Mary's County were:

Incidence: 514 new cases of all cancer cases

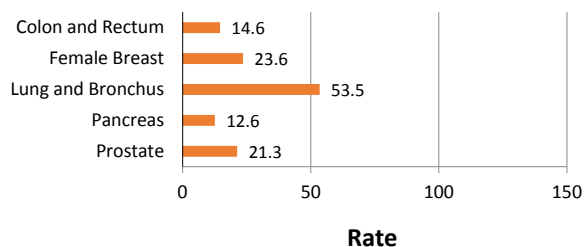
Mortality: 203 deaths from cancer

Top 5 Incidence and Morality Cancer Rates, 2009-2013

INCIDENCE

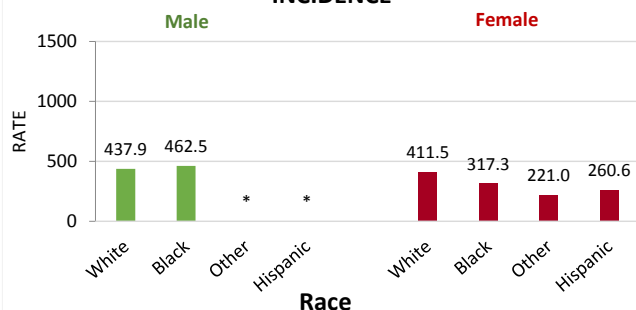


MORTALITY

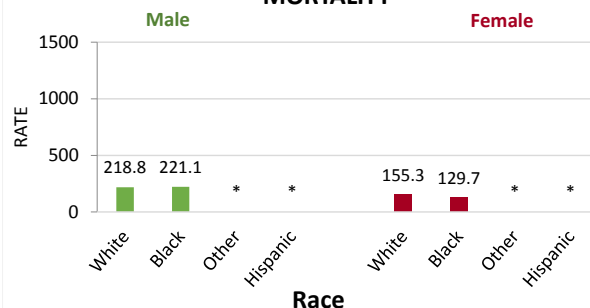


Incidence and Mortality Rates by Race and Gender, 2009-2013

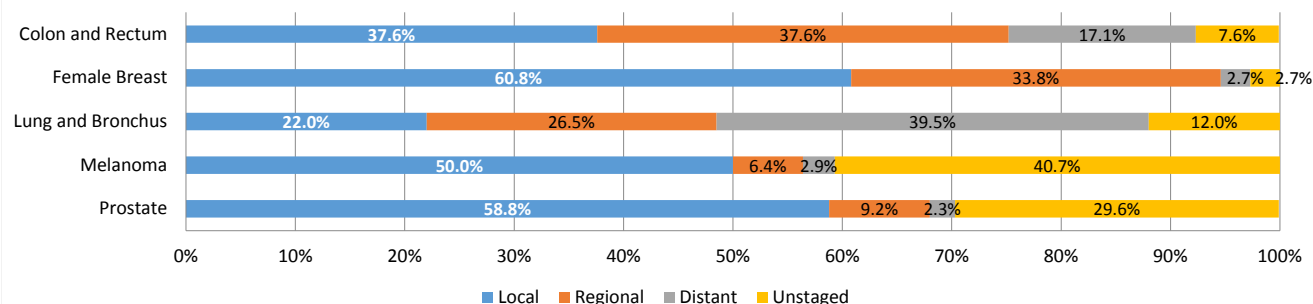
INCIDENCE



MORTALITY



Distribution of Cancer Stage at Diagnosis, Top 5 Incidence Cancer Rates, 2009-2013



Prepared by the Maryland Cancer Registry

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Maryland Department of
Health and Mental Hygiene

Talbot County



2013 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

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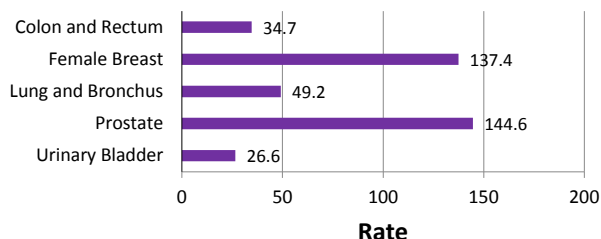
In 2013, the number of incidence and mortality cases in Talbot County were:

Incidence: 297 new cases of all cancer cases

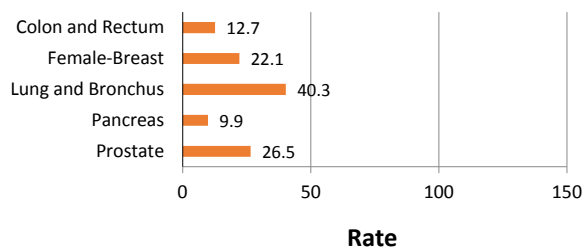
Mortality: 107 deaths from cancer

Top 5 Incidence and Morality Cancer Rates, 2009-2013

INCIDENCE

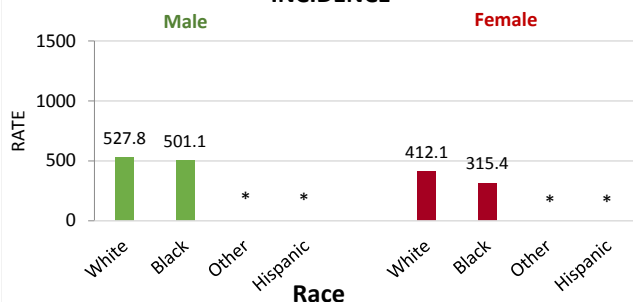


MORTALITY

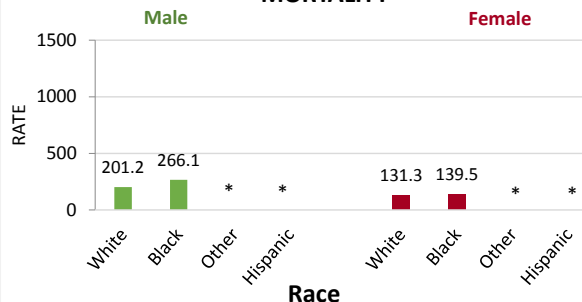


Incidence and Mortality Rates by Race and Gender, 2009-2013

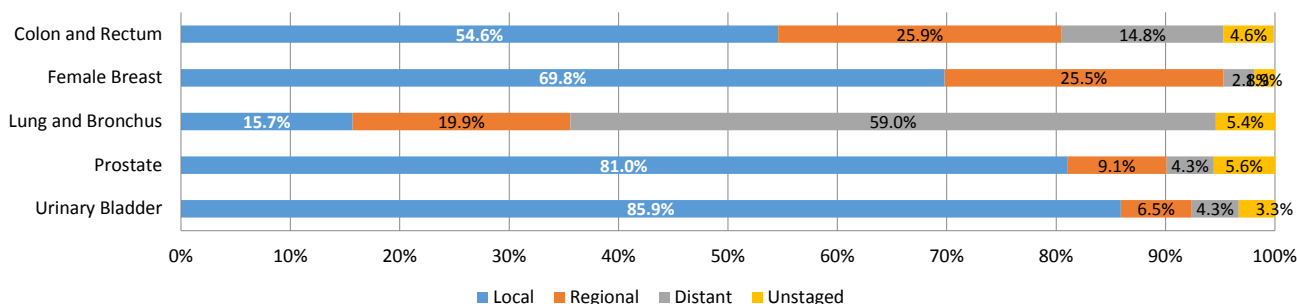
INCIDENCE



MORTALITY



Distribution of Cancer Stage at Diagnosis, Top 5 Incidence Cancer Rates, 2009-2013



Prepared by the Maryland Cancer Registry

* Suppressed rates:

Incidence Rates based on case counts of 1-15 are suppressed per DHMH / MCR Data Use Policy and Procedures

Mortality Rates based on death counts of 0-19 are suppressed per DHMH / CCPC Mortality Data Suppression Policy

Other = Asian or Pacific Islander, American Indian, Alaskan Native



Maryland Department of
Health and Mental Hygiene

Washington County



2013 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

The Maryland Cancer Registry (MCR) is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancers diagnosed and/or treated in Maryland. According to the MCR, a total of 29,885 Maryland residents were diagnosed with cancer in 2013. Cancer remains the second leading cause of death among people in the United States, exceeded only by heart disease.

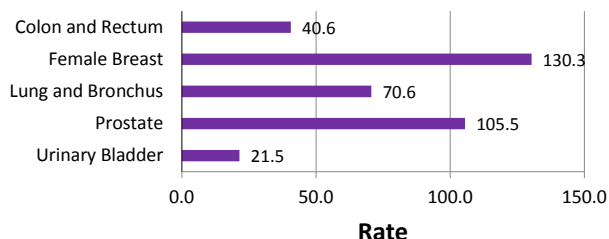
In 2013, the number of incidence and mortality cases in Washington County were:

Incidence: 869 new cases of all cancer cases

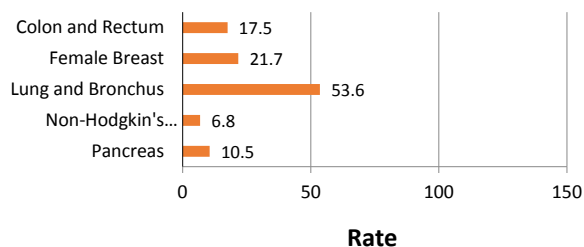
Mortality: 359 deaths from cancer

Top 5 Incidence and Morality Cancer Rates, 2009-2013

INCIDENCE

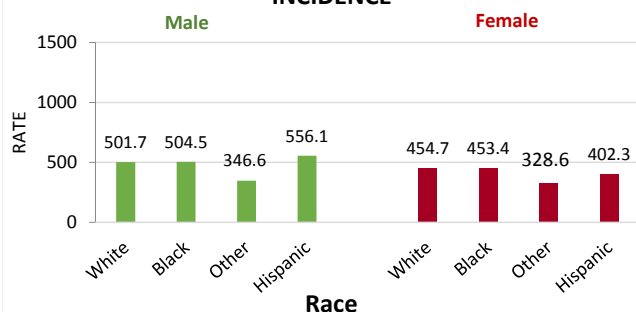


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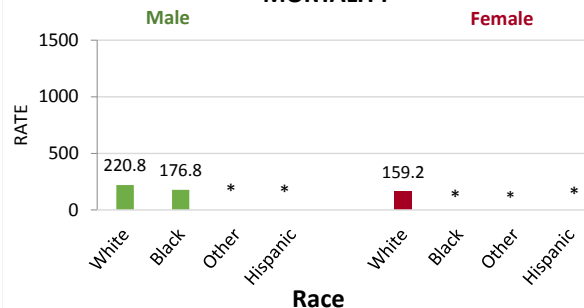


Incidence and Mortality Rates by Race and Gender, 2009-2013

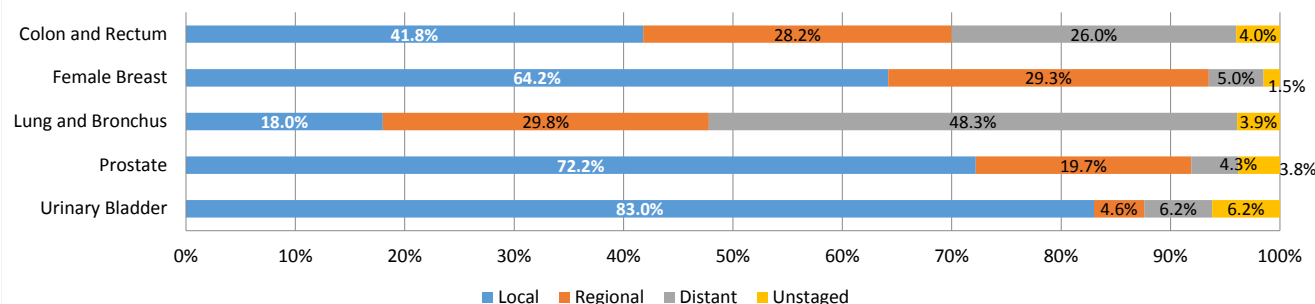
INCIDENCE



MORTALITY



Distribution of Cancer Stage at Diagnosis, Top 5 Incidence Cancer Rates, 2009-2013



Prepared by the Maryland Cancer Registry

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Maryland Department of
Health and Mental Hygiene

Wicomico County



2013 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

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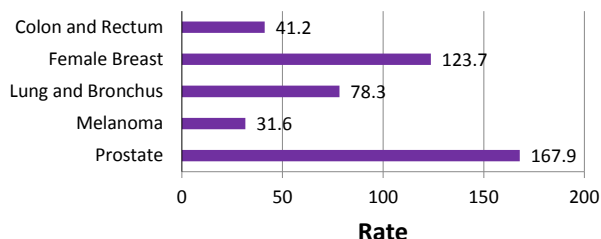
In 2013, the number of incidence and mortality cases in Wicomico County were:

Incidence: 584 new cases of all cancer cases

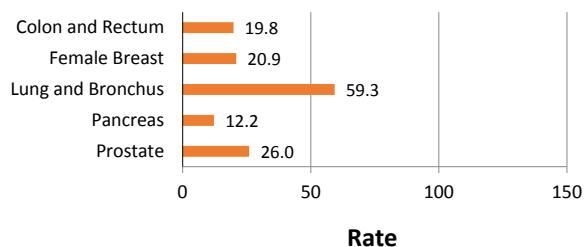
Mortality: 250 deaths from cancer

Top 5 Incidence and Morality Cancer Rates, 2009-2013

INCIDENCE

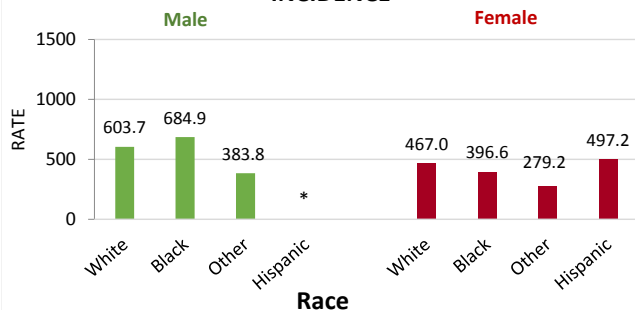


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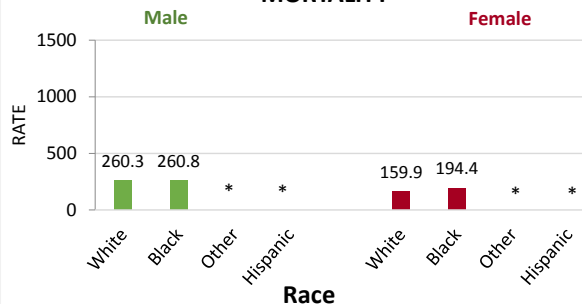


Incidence and Mortality Rates by Race and Gender, 2009-2013

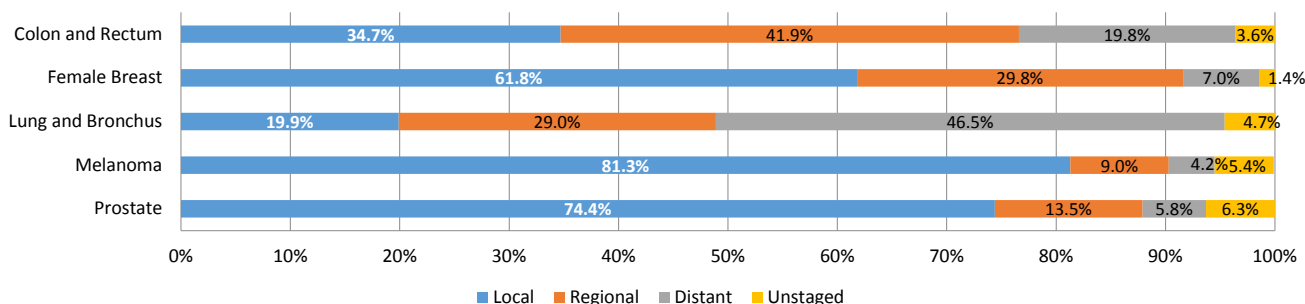
INCIDENCE



MORTALITY



Distribution of Cancer Stage at Diagnosis, Top 5 Incidence Cancer Rates, 2009-2013



Prepared by the Maryland Cancer Registry

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Maryland Department of
Health and Mental Hygiene

Worcester County



2013 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

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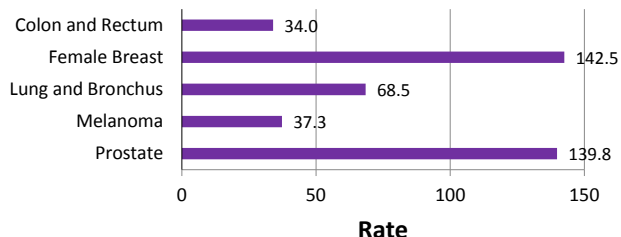
In 2013, the number of incidence and mortality cases in Worcester County were:

Incidence: 391 new cases of all cancer cases

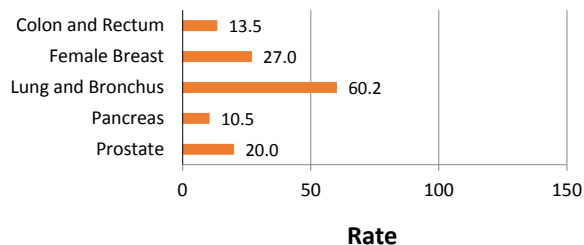
Mortality: 164 deaths from cancer

Top 5 Incidence and Morality Cancer Rates, 2009-2013

INCIDENCE

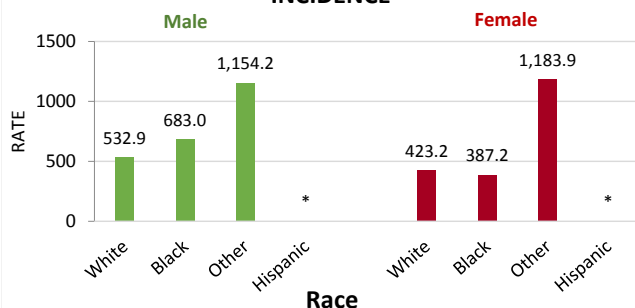


MORTALITY

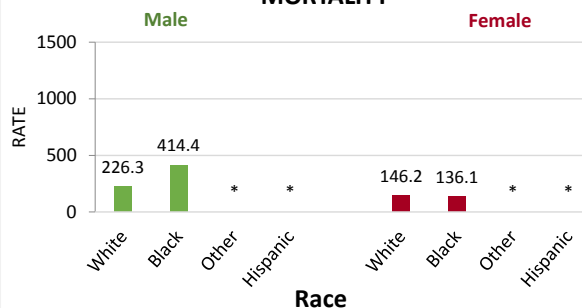


Incidence and Mortality Rates by Race and Gender, 2009-2013

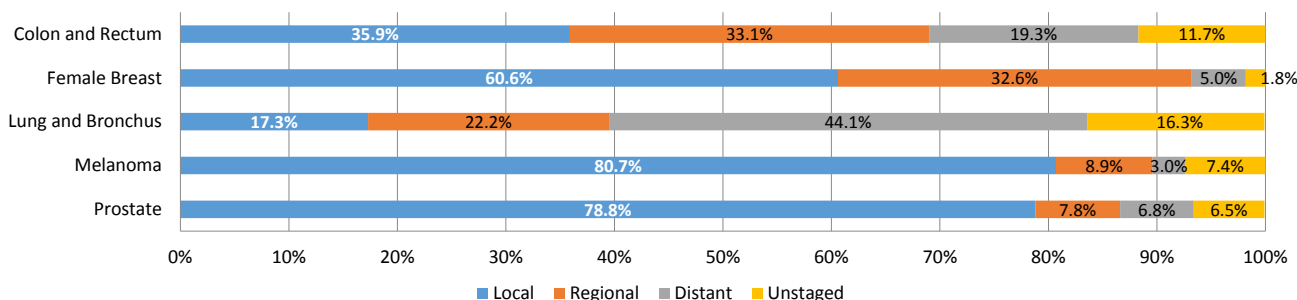
INCIDENCE



MORTALITY



Distribution of Cancer Stage at Diagnosis, Top 5 Incidence Cancer Rates, 2009-2013



Prepared by the Maryland Cancer Registry

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Other = Asian or Pacific Islander, American Indian, Alaskan Native

APPENDIX A

2000 U. S. STANDARD POPULATION

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2000 U.S. STANDARD POPULATION

(CENSUS P25-1130)

Age Group	2000 Population
Less than 00 age	3,794,901
01-04 years	15,191,619
05-09 years	19,919,840
10-14 years	20,056,779
15-19 years	19,819,518
20-24 years	18,257,225
25-29 years	17,722,067
30-34 years	19,511,370
35-39 years	22,179,956
40-44 years	22,479,229
45-49 years	19,805,793
50-54 years	17,224,359
55-59 years	13,307,234
60-64 years	10,654,272
65-69 years	9,409,940
70-74 years	8,725,574
75-79 years	7,414,559
80-84 years	4,900,234
85+ years	44,259,17
Total	274,633,642

Source: National Cancer Institute- SEER 2000

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APPENDIX B

GLOSSARY

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GLOSSARY

- **Age-adjustment:** Age is the most important risk factor for the incidence of most cancers. However, cancer rates derived from populations that differ in underlying age structure are not comparable. Age-adjustment is a statistical technique that allows for the comparison of rates among populations with different age distributions, by weighting the age-specific rates in each population to one standard population. Additional information on age-adjustment can be found on the following web sites:

<http://seer.cancer.gov/seerstat/tutorials/aarates/definition.html>

<http://www.cdc.gov/nchs/data/statnt/statnt20.pdf>

- **Annual percent change (APC):** A measure of the annual percent increase or decrease in cancer rates over time, used for analyzing trends. This measure assumes that cancer rates change at a constant percentage of the rate of the previous year. Rates that change at a constant percentage every year change linearly on a log scale. A more detailed description of the method can be found at:

<http://surveillance.cancer.gov/joinpoint/webhelp/Executing the Joinpoint Parameters/Statistical Notes/Statistics Related to the k-joinpoint Model/Average Annual Percent Change.htm>

- **Ascertainment:** Refers to the quality assurance procedures that Maryland Cancer Registry staff use to ensure completeness of cancer cases in the Registry database. These activities include: a review of disease indices from all reporting hospitals to identify possible missed cases; an evaluation of random samples of records from reporting facilities; and a review of death certificate data to identify cancer cases not previously reported.
- **Cancer:** A disease characterized by the uncontrolled, abnormal growth of cells in different parts of the body that can spread to other parts of the body.
- **Chemoprevention:** Chemoprevention is the use of drugs, vitamins, or other agents to try to reduce the risk of cancer or to delay the development or recurrence of cancer.

- **Confidence interval (CI):** The range of values for a calculated estimate that will include the true value a given percentage of the time. A 95% CI for a rate includes the true rate 95% of the time.
- **Incidence:** The number of new cases of a given cancer or other event during a defined time period, usually one year. For the purposes of this report, cancer incidence refers to the number of new cases diagnosed during the individual calendar year 2013. Cancer incidence data are also presented in aggregated form, as the average annual incidence for the 5-year period from 2009 through 2013.
- **International Classification of Diseases (ICD):** The ICD is the international standard diagnostic classification for all general epidemiological, health management, and clinical use. It is used to classify diseases and other health problems recorded on many types of health and vital records, including death certificates and health records.
- **International Classification of Diseases for Oncology (ICD-O):** The ICD-O is the classification system used by tumor or cancer registries to code the site and the histology of the cancer, usually from a pathology report.
- **Invasive cancer:** Cancer that has spread beyond the layer of cells where it first began and has grown into nearby tissues. It may still be considered local stage if it has not spread to other parts of the body. Stage data presented in this report involve a diagnosis of invasive cancer: local, regional, or distant. A diagnosis of *in situ* is non-invasive and is not included in the staging data, except for *in situ* bladder cancer for all sites cancer data.
- **Mortality:** The number of deaths during a defined time period, usually one year. For the purposes of this report, cancer mortality refers to the number of new cancer deaths during the individual calendar year 2013. Cancer mortality data are also presented in an aggregated form, as the average annual mortality for the 5-year period from 2009 through 2013.
- **Rate:** An estimate of the burden of a given disease on a defined population at risk over a specified period of time. A crude rate is calculated by dividing the number of cases or deaths (events) by the population at risk during a given time period. Cancer incidence and mortality rates are usually presented per 100,000 population during a given time period. An incidence rate is the number of new cases during a specific period (usually one year) divided by the population at risk per 100,000 population. A mortality rate is the number of deaths for a given period divided by the population at risk per 100,000 population. All rates presented in this report are age-adjusted to the 2000 U.S. standard population.

- **Stage at diagnosis:** Cancer stage is the extent to which the cancer has spread from the organ of origin at the time of diagnosis. The stage information used in this report is based on the SEER Summary Stage Guidelines:
 1. ***In situ*:** The cancerous cells have not invaded the tissue basement membrane and no stromal invasion. *In situ* cancers are not considered malignant (with the exception of bladder cancers) and are not included in incidence rate calculations.
 2. **Local:** The tumor is confined to the organ of origin.
 3. **Regional:** The tumor has spread to adjacent organs or tissue. Regional lymph nodes may also be involved.
 4. **Distant:** The tumor has spread beyond the adjacent organs or tissues. Distant lymph nodes, organs, and/or tissues may also be involved.
 5. **Unstaged:** The stage of disease at diagnosis was unable to be classified (often due to insufficient information) or was not reported to the cancer registry.

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For comments or questions about this report, contact:

Maryland Cancer Registry

Center for Cancer Prevention and Control

Maryland Department of Health and Mental Hygiene

201 W. Preston Street

Baltimore, Maryland 21201

Telephone: 410-767-4055

Fax: 410-333-5218

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