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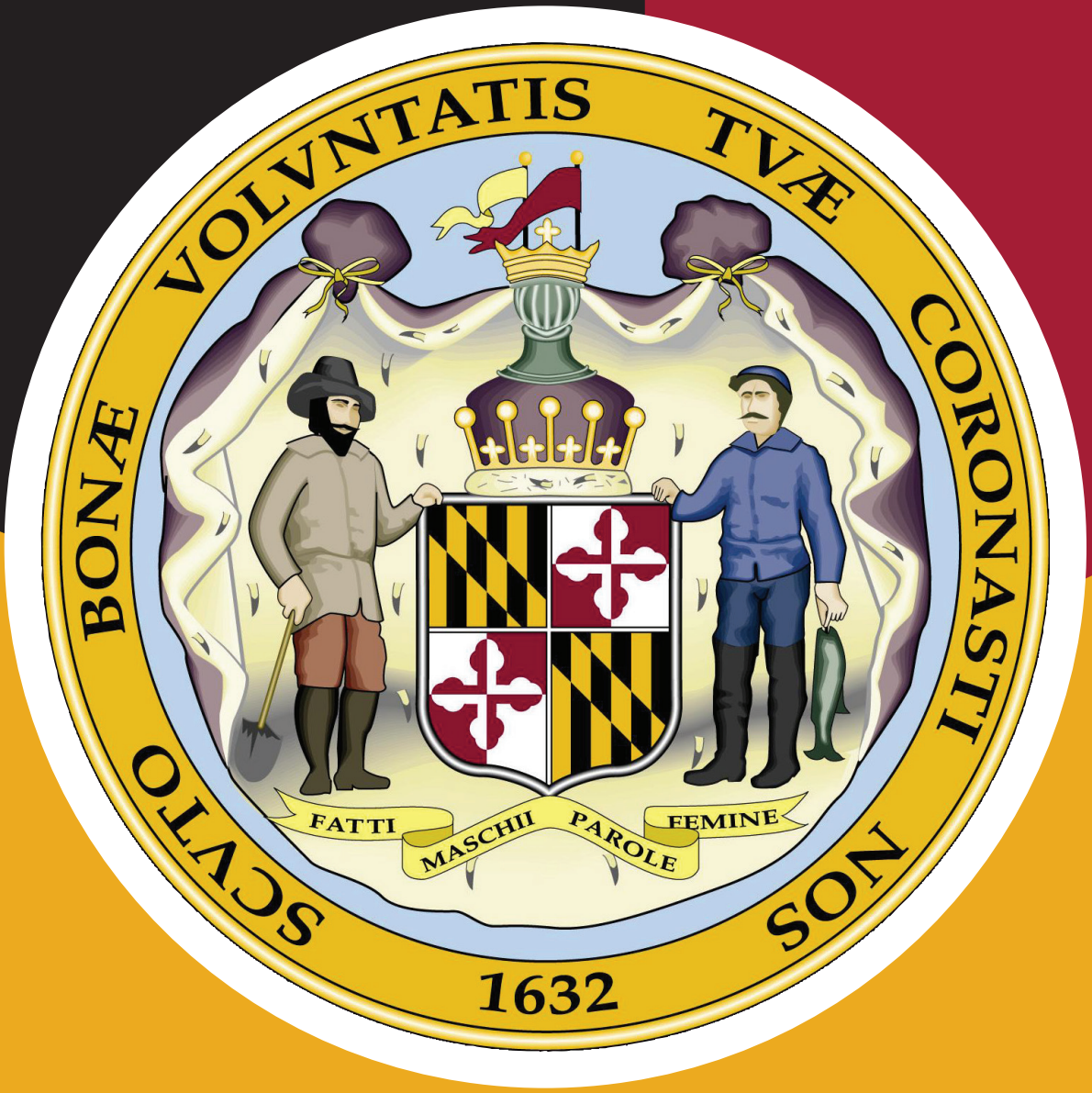

Cancer in Maryland: 2014 Incidence and Mortality Report

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Cancer in Maryland: 2014 Incidence and Mortality Report

Maryland Cancer Registry
Center for Cancer Prevention and Control (CCPC)
Cancer and Chronic Disease Bureau
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Maryland Department of Health

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Our thanks to the following organizations and individuals for their tireless efforts and contributions towards this report:

- Cancer reporting facilities that provide cancer cases to the Maryland Cancer Registry: hospitals, laboratories, ambulatory care facilities, therapeutic radiological centers, physicians, nursing facilities, assisted living programs and general hospice care programs.
- Anna McCrerey, M.P.H., Director, Cancer and Chronic Disease Bureau and Ken Lin Tai, M.D., M.P.H., Director, Center for Cancer Prevention and Control.
- MCR Quality Assurance and Database Management contractors at Westat, Inc.
- Maryland Vital Statistics Administration: Isabelle Horon, Ph.D., (former) and Helen Espitallier, M.S., Data Production Manager.
- The registries of the states of Alabama, Delaware, Florida, Georgia, New Jersey, New York, North Carolina, Pennsylvania, South Carolina, Texas, Virginia, West Virginia, and the District of Columbia who provide cancer cases for Maryland residents diagnosed and/or treated in their facilities.
- The North American Association of Central Cancer Registries (NAACCR) and the Centers for Disease Control and Prevention National Program of Cancer Registries.

Funding for the Maryland Cancer Registry is provided by the state of Maryland General Funds, the Maryland Cigarette Restitution Fund, and the Federal Centers for Disease Control and Prevention, National Program of Cancer Registries (NPCR).

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I. DATA HIGHLIGHTS

Data presented in this report includes cancers reported for the year 2014 and are presented as age-adjusted rates and number of cancer cases and deaths by gender and race.

A. Incidence

- A total of 29,912 new cases of invasive cancer were diagnosed among Maryland residents in 2014.

- Most frequently diagnosed cancer by gender:
  - *Males*: **Prostate cancer** was the most frequently diagnosed cancer among Maryland men with a total of **3,946** new cases reported in 2014.
  - *Females*: **Breast cancer** was the most frequently diagnosed cancer among Maryland women with a total of **4,771** new cases reported in 2014.

B. Mortality

- 10,759 Maryland residents died as a result of any type of cancer in 2014, making cancer the second leading cause of death in Maryland.

- Cancer of the **lung and bronchus** was the most common cause of cancer deaths among Marylanders with **2,750** cancer deaths in 2014. When observed separately by sex, **lung and bronchus** cancer was the leading cause of death among both men and women.

Data suppression rules for this report can be found at:

http://phpa.dhmh.maryland.gov/cancer/Documents/Mortality%20Suppression%20Policy_01062014_FINAL.pdf.

II. INTRODUCTION

According to the Maryland Cancer Registry (MCR), a total of 29,912 Maryland residents were diagnosed with cancer in 2014. 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 2014, approximately 585,720 Americans died of cancer (more than 1,605 people a day), and in Maryland, 10,759 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, 2013 and 2017. 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

On August 4, 2016, the MCR signed the National Interstate Data Exchange Agreement through the North American Association of Central Cancer Registries (NAACCR). This allows the MCR to conduct interstate data exchanges with registries that have also signed the agreement. As of May 19, 2017, there are 44 registries that are participating in this agreement.

Funding

The MCR first received funding from the Centers for Disease Control and Prevention National Program of Cancer Registries (NPCR) 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 (MDH), 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 2014 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 2014 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 **49** Maryland hospitals, **12** radiation treatment centers, **37** laboratories, **66** ambulatory surgery centers, **98** physicians and central cancer registries from **13** states and the District of Columbia. Each facility is required to submit cancer reports on all new cancer cases to the MCR.

B. Cancer Case Reporting and Definition

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

i. *Invasive cancers:* This includes 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, 2014 and December 31, 2014. (American Cancer Society (ACS) criteria)

ii. *Benign and in situ tumors:* These are tumors the MDH considers important for the review and evaluation of state cancer control programs, but 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 2014 are included in the analysis.

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

Site	Incidence Topography (Site)	Incidence Histology	CDC Wonder Site Selections
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
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 2014, MCR's incidence data received NAACCR gold certification for all measures, indicating that data submitted was at or greater than 95% complete. MCR's 2010 – 2014 incidence data also met 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. Follow back with the ordering physician about cases reported by laboratories to obtain additional demographic, clinical and treatment data.

E. Data Confidentiality

MDH 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.dhmh.maryland.gov/cancer/Pages/mcr_regs.aspx.

IV. DATA CHARTS

The data charts in this report present 2014 cancer incidence and mortality by cancer type, gender, and race for the State of Maryland. The County Data Pages contain 2014 counts of incidence and mortality for the top five cancers (2010 – 2014), the top five cancer incidence and mortality rates by gender and race, and the distribution of the top five cancer stages at diagnosis (2010-2014). New this year is a page that includes information for the entire state. All tables and charts should be reviewed with caution as changes in small numbers can lead to wide variations in rates. 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.

2014

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

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Table I1: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Incidence Rates and 95% Confidence Intervals, By Gender and Race

	Both Genders*** 2014											
	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	29,912	442.0	436.9	447.2	20,530	450.6	444.3	457.0	8,043	443.6	433.6	453.8
Brain and Other Central Nervous System	383	6.0	5.4	6.7	277	6.8	6.0	7.7	72	3.8	3.0	4.8
Cervix	215	6.3	5.4	7.2	131	6.3	5.2	7.6	64	6.1	4.6	7.8
Colon and Rectum	2,477	37.3	35.8	38.8	1609	35.8	34.0	37.7	739	41.8	38.7	45.0
Esophagus	255	3.7	3.2	4.2	192	4.0	3.5	4.6	57	3.2	2.4	4.2
Female Breast (Malignant Only)	4,771	130.3	126.5	134.2	3,160	132.8	128.1	137.7	1,357	129.1	122.1	136.3
Hodgkin Lymphoma	145	2.4	2.0	2.8	90	2.4	1.9	3.0	48	2.6	1.9	3.4
Kidney and Renal Pelvis	950	14.0	13.1	15.0	627	13.9	12.8	15.0	287	15.5	13.7	17.5
Larynx	206	2.9	2.5	3.3	134	2.8	2.4	3.4	67	3.5	2.7	4.5
Leukemia	773	11.9	11.1	12.8	578	13.2	12.1	14.3	155	8.6	7.3	10.1
Liver and Intrahepatic Bile Duct	600	8.3	7.6	9.0	325	6.7	6.0	7.5	222	11.1	9.6	12.7
Lung and Bronchus	3,748	55.8	54.0	57.6	2,672	57.6	55.4	59.9	970	56.7	53.0	60.5
Melanoma	1452	21.9	20.8	23.1	1415	32.0	30.3	33.7	21	1.2	0.7	1.9
Multiple Myeloma	482	7.1	6.5	7.8	252	5.4	4.8	6.2	218	12.7	11.0	14.6
Myelodysplastic Syndrome	220	3.4	3.0	3.9	180	3.9	3.4	4.6	35	2.3	1.5	3.2
Non-Hodgkin Lymphoma	1111	16.7	15.7	17.7	827	18.1	16.9	19.5	226	12.7	11.1	14.6
Oral Cavity and Pharynx	731	10.5	9.7	11.3	568	12.1	11.1	13.1	138	7.5	6.2	8.9
Ovary	369	10.0	9.0	11.2	243	10.2	8.9	11.6	101	9.8	7.9	11.9
Pancreas	872	13.1	12.2	14.0	582	12.7	11.7	13.9	260	15.2	13.3	17.2
Prostate	3946	119.4	115.6	123.3	2327	101.3	97.2	105.7	1495	184.5	174.7	194.7
Stomach	458	6.9	6.2	7.5	259	5.7	5.0	6.5	154	9.1	7.7	10.8
Testis	127	4.3	3.6	5.1	103	5.6	4.6	6.9	16	1.8	1.0	3.0
Thyroid	903	14.4	13.4	15.4	618	15.7	14.5	17.1	191	10.2	8.8	11.8
Urinary Bladder	1,427	21.6	20.4	22.7	1157	25.0	23.6	26.5	222	13.7	11.9	15.7
Uterus	1,088	28.3	26.6	30.1	710	28.7	26.5	30.9	332	29.6	26.4	33.1

**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 MDH/MCR Data Use Policy

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

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

Source: Data as of December 16, 2016 Maryland Cancer Registry

Table I1: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Incidence Rates and 95% Confidence Intervals, By Gender and Race (Continued)

	Both Genders*** 2014							
	Other****				Spanish/Hispanic Ethnicity (of Any Race)			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	1,014	247.4	231.8	263.7	875	282.0	261.2	304.0
Brain and Other Central Nervous System	20	4.6	2.8	7.2	29	7.2	4.3	11.1
Cervix	11	**	**	**	16	7.5	4.1	12.7
Colon and Rectum	107	25.6	20.8	31.1	64	21.4	15.9	28.1
Esophagus	6	**	**	**	<6	**	**	**
Female Breast (Malignant Only)	194	79.7	68.6	92.1	177	98.3	83.5	114.9
Hodgkin Lymphoma	6	**	**	**	6	**	**	**
Kidney and Renal Pelvis	29	6.8	4.5	9.9	29	9.4	5.8	14.0
Larynx	<6	**	**	**	<6	**	**	**
Leukemia	20	4.7	2.8	7.3	38	9.1	5.9	13.3
Liver and Intrahepatic Bile Duct	42	11.2	7.9	15.2	26	8.7	5.4	13.1
Lung and Bronchus	96	26.0	20.9	32.0	58	27.8	20.6	36.3
Melanoma	8	**	**	**	8	**	**	**
Multiple Myeloma	10	**	**	**	11	**	**	**
Myelodysplastic Syndrome	<6	**	**	**	<6	**	**	**
Non-Hodgkin Lymphoma	40	10.4	7.3	14.2	41	11.4	7.9	16.0
Oral Cavity and Pharynx	21	5.4	3.3	8.3	20	5.7	3.2	9.3
Ovary	20	8.8	5.3	13.8	16	8.3	4.6	13.9
Pancreas	25	6.3	4.0	9.4	18	7.6	4.2	12.2
Prostate	81	41.0	32.3	51.3	98	84.5	66.6	105.2
Stomach	35	9.6	6.6	13.4	31	10.7	6.9	15.7
Testis	<6	**	**	**	12	**	**	**
Thyroid	77	16.8	13.2	21.1	47	10.5	7.4	14.5
Urinary Bladder	42	11.6	8.2	15.8	14	**	**	**
Uterus	34	14.4	9.9	20.2	33	20.4	13.7	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 MDH/MCR Data Use Policy

*** Rates based on case counts of 1-15 are suppressed per MDH/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, does not include unspecified and unknown races*

Source: Data as of December 16, 2016 Maryland Cancer Registry

Table I2: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Incidence Rates and 95% Confidence Intervals, By Gender and Race for Males

	Male 2014											
	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	14,673	481.4	473.4	489.5	10,191	482.3	472.7	492.0	3,906	516.5	499.2	534.1
Brain and Other Central Nervous System	212	7.0	6.0	8.0	153	7.7	6.5	9.1	41	4.8	3.4	6.7
Colon and Rectum	1,255	42.3	39.9	44.7	839	41.2	38.4	44.1	351	47.9	42.7	53.6
Esophagus	188	6.2	5.3	7.2	147	6.9	5.8	8.1	35	4.8	3.2	6.8
Hodgkin Lymphoma	79	2.8	2.2	3.5	51	2.9	2.1	3.8	25	2.8	1.8	4.2
Kidney and Renal Pelvis	594	19.4	17.8	21.1	407	19.4	17.5	21.5	171	21.3	18.1	24.9
Larynx	160	5.0	4.2	5.9	103	4.7	3.8	5.7	52	6.8	5.0	9.0
Leukemia	435	15.1	13.6	16.6	328	16.4	14.6	18.4	84	10.6	8.4	13.3
Liver and Intrahepatic Bile Duct	446	13.4	12.2	14.8	238	10.4	9.1	11.9	167	19.0	16.1	22.4
Lung and Bronchus	1853	62.8	59.9	65.8	1306	62.2	58.8	65.8	486	73.0	66.2	80.3
Melanoma	875	30.0	28.0	32.1	853	41.6	38.8	44.6	14	**	**	**
Multiple Myeloma	254	8.6	7.5	9.7	143	6.9	5.8	8.1	103	14.9	12.0	18.3
Myelodysplastic Syndrome	125	4.8	4.0	5.7	108	5.6	4.6	6.8	15	**	**	**
Non-Hodgkin Lymphoma	584	19.7	18.1	21.4	453	21.7	19.7	23.9	102	13.5	10.9	16.6
Oral Cavity and Pharynx	500	15.7	14.3	17.1	387	17.4	15.7	19.3	96	12.2	9.7	15.0
Pancreas	437	14.8	13.4	16.3	306	14.9	13.2	16.7	111	14.9	12.1	18.2
Prostate	3,946	119.4	115.6	123.3	2,327	101.3	97.2	105.7	1,495	184.5	174.7	194.7
Stomach	266	8.9	7.8	10.0	166	7.8	6.6	9.1	80	12.2	9.4	15.4
Testis	127	4.3	3.6	5.1	103	5.6	4.6	6.9	16	1.8	1.0	3.0
Thyroid	215	7.2	6.3	8.3	169	8.6	7.3	10.0	33	4.3	3.0	6.1
Urinary Bladder	1067	37.9	35.6	40.3	885	43.6	40.7	46.6	147	23.8	19.9	28.3

**All Races include other specified, unspecified and unknown race*

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

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Source: Data as of December 16, 2016 Maryland Cancer Registry

Table I2: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Incidence Rates and 95% Confidence Intervals, By Gender and Race for Males (Continued)

	Male 2014							
	Other****				Spanish/Hispanic Ethnicity (of Any Race)			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	444	243.2	220.0	268.1	370	275.3	242.1	311.3
Brain and Other Central Nervous System	12	**	**	**	12	**	**	**
Colon and Rectum	57	28.5	21.3	37.4	34	25.4	15.9	37.8
Esophagus	6	**	**	**	<6	**	**	**
Hodgkin Lymphoma	<6	**	**	**	<6	**	**	**
Kidney and Renal Pelvis	16	8.1	4.5	13.4	15	**	**	**
Larynx	<6	**	**	**	<6	**	**	**
Leukemia	9	**	**	**	24	9.6	5.2	16.2
Liver and Intrahepatic Bile Duct	33	19.0	12.8	26.9	16	11.1	5.5	19.4
Lung and Bronchus	57	34.1	25.4	44.6	21	24.2	14.0	37.8
Melanoma	<6	**	**	**	<6	**	**	**
Multiple Myeloma	6	**	**	**	8	**	**	**
Myelodysplastic Syndrome	<6	**	**	**	<6	**	**	**
Non-Hodgkin Lymphoma	21	12.1	7.3	18.6	23	15.1	8.6	24.3
Oral Cavity and Pharynx	16	8.8	4.9	14.5	13	**	**	**
Pancreas	18	9.7	5.6	15.5	<6	**	**	**
Prostate	81	41.0	32.3	51.3	98	84.5	66.6	105.2
Stomach	18	10.9	6.3	17.4	21	15.5	8.5	25.3
Testis	<6	**	**	**	12	**	**	**
Thyroid	10	**	**	**	13	**	**	**
Urinary Bladder	31	19.2	12.6	27.6	8	**	**	**

**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 MDH/MCR Data Use Policy

*** Rates based on case counts of 1-15 are suppressed per MDH/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, does not include unspecified and unknown races*

Source: Data as of December 16, 2016 Maryland Cancer Registry

Table I3: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Incidence Rates and 95% Confidence Intervals, By Gender and Race for Females

	Female 2014											
	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	15,234	416.3	409.6	423.2	10,336	431.4	422.8	440.1	4,135	398.2	385.8	410.9
Brain and Other Central Nervous System	171	5.2	4.4	6.0	124	5.8	4.8	6.9	31	3.2	2.1	4.5
Cervix	215	6.3	5.4	7.2	131	6.3	5.2	7.6	64	6.1	4.6	7.8
Colon and Rectum	1,221	33.1	31.2	35.0	770	31.1	28.9	33.5	387	37.5	33.8	41.6
Esophagus	67	1.7	1.3	2.2	45	1.6	1.2	2.2	22	2.2	1.3	3.3
Female Breast (Malignant Only)	4,771	130.3	126.5	134.2	3,160	132.8	128.1	137.7	1,357	129.1	122.1	136.3
Hodgkin Lymphoma	66	2.1	1.6	2.6	39	2.0	1.4	2.7	23	2.3	1.4	3.5
Kidney and Renal Pelvis	356	9.8	8.8	10.9	220	9.3	8.0	10.6	116	11.2	9.2	13.5
Larynx	46	1.2	0.9	1.6	31	1.2	0.8	1.8	15	**	**	**
Leukemia	338	9.5	8.4	10.5	250	10.5	9.2	12.0	71	6.9	5.4	8.8
Liver and Intrahepatic Bile Duct	154	4.0	3.4	4.7	87	3.4	2.7	4.3	55	5.1	3.8	6.7
Lung and Bronchus	1,894	50.6	48.3	53.0	1,365	54.1	51.2	57.1	484	47.0	42.8	51.5
Melanoma	577	16.1	14.8	17.6	562	24.8	22.7	27.0	7	**	**	**
Multiple Myeloma	228	6.2	5.4	7.1	109	4.4	3.6	5.4	115	11.4	9.4	13.8
Myelodysplastic Syndrome	95	2.5	2.0	3.1	72	2.8	2.1	3.5	20	2.0	1.2	3.1
Non-Hodgkin Lymphoma	527	14.4	13.2	15.7	374	15.2	13.7	16.9	124	12.2	10.1	14.6
Oral Cavity and Pharynx	231	6.2	5.4	7.1	181	7.4	6.3	8.6	42	4.1	2.9	5.6
Ovary	369	10.0	9.0	11.2	243	10.2	8.9	11.6	101	9.8	7.9	11.9
Pancreas	435	11.8	10.7	13.0	276	11.1	9.8	12.6	149	15.2	12.8	17.9
Stomach	192	5.3	4.5	6.1	93	3.8	3.1	4.8	74	7.4	5.7	9.3
Thyroid	688	21.0	19.4	22.7	449	22.9	20.7	25.2	158	15.0	12.7	17.6
Urinary Bladder	360	9.6	8.6	10.7	272	10.6	9.3	11.9	75	7.7	6.0	9.7
Uterus	1,088	28.3	26.6	30.1	710	28.7	26.5	30.9	332	29.6	26.4	33.1

**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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Source: Data as of December 16, 2016 Maryland Cancer Registry

Table I3: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Incidence Rates and 95% Confidence Intervals, By Gender and Race for Females (Continued)

	Female 2014							
	Other****				Spanish/Hispanic Ethnicity (of Any Race)			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	570	252.1	231.2	274.3	505	298.0	270.5	327.3
Brain and Other Central Nervous System	8	**	**	**	17	8.9	4.8	15.0
Cervix	11	**	**	**	16	7.5	4.1	12.7
Colon and Rectum	50	23.1	17.0	30.7	30	18.9	12.3	27.4
Esophagus	0	0.0	0.0	0.0	0	0.0	0.0	0.0
Female Breast (Malignant Only)	194	79.7	68.6	92.1	177	98.3	83.5	114.9
Hodgkin Lymphoma	<6	**	**	**	<6	**	**	**
Kidney and Renal Pelvis	13	**	**	**	14	**	**	**
Larynx	0	0.0	0.0	0.0	<6	**	**	**
Leukemia	11	**	**	**	14	**	**	**
Liver and Intrahepatic Bile Duct	9	**	**	**	10	**	**	**
Lung and Bronchus	39	19.6	13.8	27.0	37	30.1	20.8	41.7
Melanoma	<6	**	**	**	<6	**	**	**
Multiple Myeloma	<6	**	**	**	<6	**	**	**
Myelodysplastic Syndrome	<6	**	**	**	<6	**	**	**
Non-Hodgkin Lymphoma	19	9.0	5.3	14.1	18	9.0	5.2	14.5
Oral Cavity and Pharynx	<6	**	**	**	7	**	**	**
Ovary	20	8.8	5.3	13.8	16	8.3	4.6	13.9
Pancreas	7	**	**	**	16	11.6	6.4	19.1
Stomach	17	8.5	4.8	13.7	10	**	**	**
Thyroid	67	27.2	21.0	34.7	34	14.6	9.9	20.8
Urinary Bladder	11	**	**	**	6	**	**	**
Uterus	34	14.4	9.9	20.2	33	20.4	13.7	29.0

**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, does not include unspecified and unknown races*

Source: Data as of December 16, 2016 Maryland Cancer Registry

2014

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

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Table M1: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Mortality Rates and 95% Confidence Intervals, By Gender and Race

	Both Genders 2014											
	*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	10,759	161.8	158.7	164.9	7,433	160.6	156.9	164.3	3,008	181.0	174.3	187.8
Brain and Other Central Nervous System	271	4.1	3.6	4.5	213	4.7	4.1	5.4	48	2.6	1.9	3.5
Cervix	63	1.8	1.4	2.3	36	1.5	1.0	2.1	s	2.6	1.6	3.9
Colon and Rectum	955	14.4	13.5	15.4	638	13.8	12.7	14.9	292	18.0	15.9	20.2
Esophagus	243	3.6	3.1	4.1	186	4.0	3.4	4.6	s	3.1	2.3	4.2
Female Breast (Malignant Only)	862	22.9	21.4	24.5	542	21.1	19.2	22.9	297	29.0	25.6	32.4
Hodgkin Lymphoma	13	**	**	**	11	**	**	**	<10	**	**	**
Kidney and Renal Pelvis	213	3.1	2.7	3.6	160	3.3	2.8	3.9	s	3.2	2.4	4.3
Larynx	74	1.1	0.8	1.3	48	1.0	0.8	1.4	s	1.4	0.9	2.0
Leukemia	420	6.5	5.9	7.1	317	7.0	6.2	7.8	93	5.6	4.5	6.9
Liver and Intrahepatic Bile Duct	480	6.9	6.3	7.5	285	6.0	5.3	6.7	159	8.4	7.1	9.8
Lung and Bronchus	2,750	41.3	39.7	42.9	2,014	43.7	41.8	45.7	677	40.2	37.0	43.3
Melanoma	140	2.1	1.8	2.5	134	2.9	2.4	3.5	<10	**	**	**
Multiple Myeloma	282	4.3	3.8	4.8	150	3.3	2.7	3.8	120	7.5	6.1	8.9
Non-Hodgkin Lymphoma	390	6.0	5.4	6.6	297	6.4	5.6	7.1	68	4.2	3.2	5.4
Oral Cavity and Pharynx	153	2.3	1.9	2.6	110	2.3	1.9	2.8	s	2.3	1.6	3.2
Ovary	240	6.5	5.6	7.3	166	6.6	5.6	7.6	64	6.5	5.0	8.4
Pancreas	759	11.4	10.5	12.2	505	10.9	9.9	11.9	235	14.0	12.2	15.9
Prostate	504	19.3	17.6	21.0	307	15.9	14.1	17.7	187	35.6	30.1	41.0
Stomach	199	3.0	2.5	3.4	109	2.4	1.9	2.8	78	4.8	3.7	6.0
Urinary Bladder	336	5.2	4.6	5.8	258	5.6	4.9	6.3	68	4.6	3.5	5.9
Uterus	215	5.6	4.8	6.4	111	4.2	3.4	5.0	s	10.0	8.0	12.0

**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 MDH / CDC Data Use Policy*

Source: CDC Wonder

Table M1: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Mortality Rates and 95% Confidence Intervals, By Gender and Race (Continued)

	Both Genders 2014							
	***Other				Spanish/Hispanic Ethnicity (of Any Race)			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	318	85.7	75.9	95.5	185	74.2	62.3	86.1
Brain and Other Central Nervous System	10	**	**	**	<10	**	**	**
Cervix	<10	**	**	**	<10	**	**	**
Colon and Rectum	25	6.9	4.4	10.4	22	7.4	4.3	11.8
Esophagus	<10	**	**	**	<10	**	**	**
Female Breast (Malignant Only)	23	9.3	5.8	14.1	14	**	**	**
Hodgkin Lymphoma	<10	**	**	**	<10	**	**	**
Kidney and Renal Pelvis	<10	**	**	**	<10	**	**	**
Larynx	<10	**	**	**	<10	**	**	**
Leukemia	10	**	**	**	<10	**	**	**
Liver and Intrahepatic Bile Duct	36	8.9	6.2	12.4	16	**	**	**
Lung and Bronchus	59	16.5	12.4	21.4	21	9.2	5.5	14.5
Melanoma	<10	**	**	**	<10	**	**	**
Multiple Myeloma	12	**	**	**	<10	**	**	**
Non-Hodgkin Lymphoma	25	7.6	4.9	11.3	<10	**	**	**
Oral Cavity and Pharynx	<10	**	**	**	<10	**	**	**
Ovary	10	**	**	**	<10	**	**	**
Pancreas	19	**	**	**	12	**	**	**
Prostate	10	**	**	**	11	**	**	**
Stomach	12	**	**	**	18	**	**	**
Urinary Bladder	10	**	**	**	<10	**	**	**
Uterus	<10	**	**	**	<10	**	**	**

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

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

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Source: CDC Wonder

Table M2: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Mortality Rates and 95% Confidence Intervals, By Gender and Race

	Male 2014											
	*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	5,445	191.5	186.3	196.7	3,800	187.6	181.5	193.7	1,479	228.3	215.7	240.9
Brain and Other Central Nervous System	159	5.2	4.4	6.1	123	5.9	4.8	6.9	s	3.8	2.5	5.5
Colon and Rectum	498	17.6	16.0	19.1	317	15.7	13.9	17.5	166	26.2	21.9	30.5
Esophagus	191	6.4	5.5	7.3	150	7.2	6.0	8.3	s	5.2	3.5	7.5
Hodgkin Lymphoma	<10	**	**	**	<10	**	**	**	<10	**	**	**
Kidney and Renal Pelvis	141	4.8	4.0	5.7	110	5.2	4.2	6.2	s	5.0	3.2	7.3
Larynx	57	1.9	1.4	2.4	s	1.8	1.3	2.5	s	**	**	**
Leukemia	245	8.9	7.8	10.0	178	9.1	7.7	10.5	s	9.1	6.8	12.0
Liver and Intrahepatic Bile Duct	329	10.5	9.3	11.7	189	8.7	7.5	10.0	s	13.7	11.0	16.3
Lung and Bronchus	1,399	48.4	45.8	51.0	1,007	49.0	45.9	52.1	357	53.7	47.7	59.7
Melanoma	91	3.2	2.6	4.0	89	4.4	3.5	5.5	<10	**	**	**
Multiple Myeloma	159	5.7	4.8	6.7	91	4.7	3.7	5.8	s	9.9	7.4	13.0
Non-Hodgkin Lymphoma	206	7.6	6.6	8.7	157	8.0	6.7	9.2	34	5.5	3.7	8.0
Oral Cavity and Pharynx	106	3.6	2.9	4.3	77	3.7	2.9	4.6	s	3.9	2.4	5.8
Pancreas	416	14.1	12.7	15.5	283	13.7	12.1	15.4	s	16.8	13.6	20.0
Prostate	504	19.3	17.6	21.0	307	15.9	14.1	17.7	187	35.6	30.1	41.0
Stomach	112	3.9	3.1	4.6	57	2.8	2.1	3.6	s	8.1	5.8	11.0
Urinary Bladder	231	8.8	7.6	9.9	189	9.8	8.3	11.2	s	6.5	4.4	9.2

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

Source: CDC Wonder

Table M2: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Mortality Rates and 95% Confidence Intervals, By Gender and Race (Continued)

	Male 2014							
	***Other				Spanish/Hispanic Ethnicity (of Any Race)			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	166	99.6	83.7	115.5	100	97.5	75.0	120.1
Brain and Other Central Nervous System	<10	**	**	**	<10	**	**	**
Colon and Rectum	15	**	**	**	s	**	**	**
Esophagus	<10	**	**	**	<10	**	**	**
Hodgkin Lymphoma	<10	**	**	**	<10	**	**	**
Kidney and Renal Pelvis	<10	**	**	**	<10	**	**	**
Larynx	<10	**	**	**	<10	**	**	**
Leukemia	<10	**	**	**	<10	**	**	**
Liver and Intrahepatic Bile Duct	s	14.0	9.1	20.7	s	**	**	**
Lung and Bronchus	35	20.9	14.3	29.5	s	**	**	**
Melanoma	<10	**	**	**	<10	**	**	**
Multiple Myeloma	<10	**	**	**	<10	**	**	**
Non-Hodgkin Lymphoma	15	**	**	**	<10	**	**	**
Oral Cavity and Pharynx	<10	**	**	**	<10	**	**	**
Pancreas	<10	**	**	**	<10	**	**	**
Prostate	10	**	**	**	11	**	**	**
Stomach	<10	**	**	**	s	**	**	**
Urinary Bladder	<10	**	**	**	<10	**	**	**

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Source: CDC Wonder

Table M3: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Mortality Rates and 95% Confidence Intervals, By Gender and Race

	Female 2014											
	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	5,314	141.7	137.8	145.6	3,633	141.6	136.9	146.4	1,529	153.9	145.9	161.8
Brain and Other Central Nervous System	112	3.1	2.5	3.6	90	3.8	3.0	4.7	s	**	**	**
Cervix	63	1.8	1.4	2.3	36	1.5	1.0	2.1	s	2.6	1.6	3.9
Colon and Rectum	457	12.0	10.8	13.1	321	12.1	10.8	13.5	126	12.8	10.5	15.1
Esophagus	52	1.4	1.0	1.9	36	1.4	1.0	1.9	s	**	**	**
Female Breast (Malignant Only)	862	22.9	21.4	24.5	542	21.1	19.2	22.9	297	29.0	25.6	32.4
Hodgkin Lymphoma	<10	**	**	**	<10	**	**	**	<10	**	**	**
Kidney and Renal Pelvis	72	1.9	1.5	2.4	50	1.9	1.4	2.5	s	2.3	1.4	3.5
Larynx	17	**	**	**	<10	**	**	**	<10	**	**	**
Leukemia	175	4.7	4.0	5.4	139	5.3	4.4	6.2	s	3.3	2.2	4.7
Liver and Intrahepatic Bile Duct	151	3.9	3.3	4.5	96	3.6	2.9	4.4	s	4.5	3.2	6.0
Lung and Bronchus	1,351	36.2	34.3	38.2	1,007	39.9	37.4	42.5	320	31.6	28.1	35.2
Melanoma	49	1.3	1.0	1.7	45	1.8	1.3	2.4	<10	**	**	**
Multiple Myeloma	123	3.2	2.7	3.8	59	2.2	1.7	2.9	s	6.1	4.6	7.9
Non-Hodgkin Lymphoma	184	4.9	4.2	5.7	140	5.3	4.4	6.2	34	3.5	2.4	4.9
Oral Cavity and Pharynx	47	1.2	0.9	1.6	33	1.2	0.9	1.8	s	**	**	**
Ovary	240	6.5	5.6	7.3	166	6.6	5.6	7.6	64	6.5	5.0	8.4
Pancreas	343	9.2	8.2	10.2	222	8.7	7.5	9.8	s	11.7	9.5	13.9
Stomach	87	2.3	1.8	2.8	52	2.0	1.5	2.6	s	2.9	1.9	4.2
Urinary Bladder	105	2.8	2.3	3.4	69	2.6	2.0	3.3	s	3.6	2.5	5.1
Uterus	215	5.6	4.8	6.4	111	4.2	3.4	5.0	s	10.0	8.0	12.0

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

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Source: CDC Wonder

Table M3: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Mortality Rates and 95% Confidence Intervals, By Gender and Race (Continued)

	Female 2014							
	***Other				Spanish/Hispanic Ethnicity (of Any Race)			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	152	74.9	62.6	87.1	85	59.8	47.0	75.1
Brain and Other Central Nervous System	<10	**	**	**	<10	**	**	**
Cervix	<10	**	**	**	<10	**	**	**
Colon and Rectum	10	**	**	**	<10	**	**	**
Esophagus	<10	**	**	**	<10	**	**	**
Female Breast (Malignant Only)	23	9.3	5.8	14.1	14	**	**	**
Hodgkin 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	24	12.8	8.1	19.2	<10	**	**	**
Melanoma	<10	**	**	**	<10	**	**	**
Multiple Myeloma	<10	**	**	**	<10	**	**	**
Non-Hodgkin Lymphoma	10	**	**	**	<10	**	**	**
Oral Cavity and Pharynx	<10	**	**	**	<10	**	**	**
Ovary	10	**	**	**	<10	**	**	**
Pancreas	s	**	**	**	<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 MDH / CDC Data Use Policy

*** Rates based on case counts of 0-19 are suppressed per MDH / 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

2014 Maryland Incidence and Mortality Selected Facts

(Maryland and by County)

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Maryland

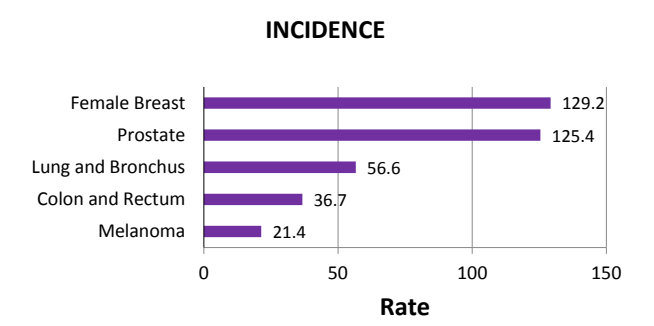
2014 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

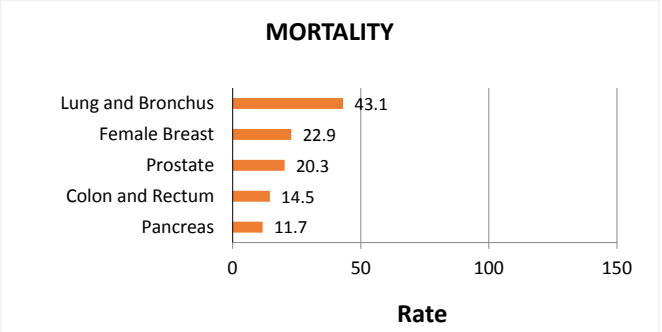
Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2014, the number of incidence and mortality cases in Maryland were:

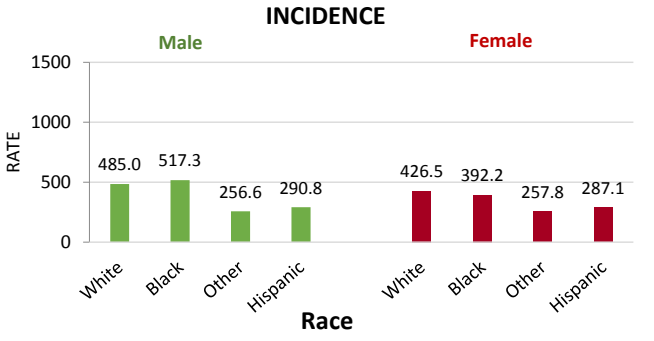
Incidence: 29,912 new cases of all cancer types **Mortality:** 10,759 deaths from cancer

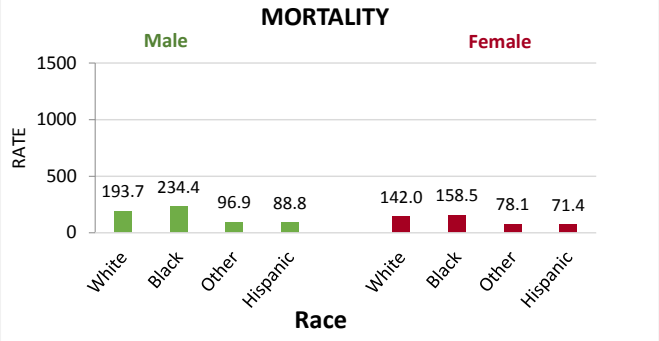
Top 5 Cancers, Based on Incidence and Morality Rates 2010-2014



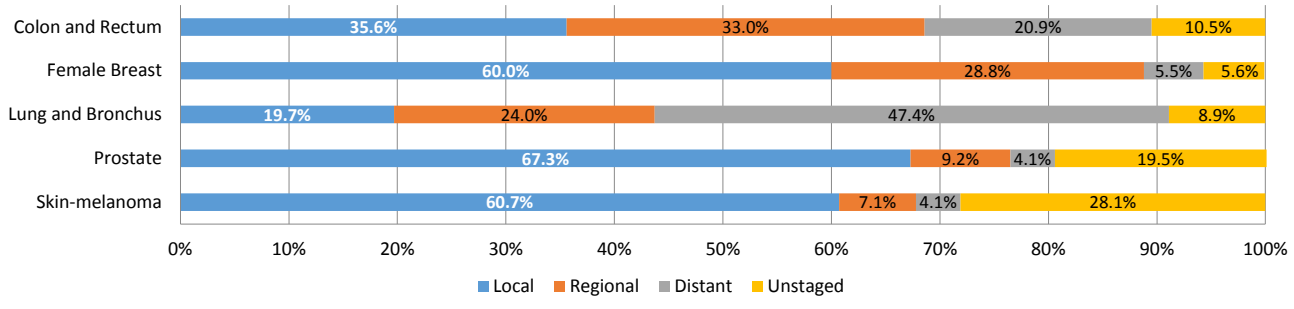


Incidence and Mortality Rates by Race and Gender, 2010-2014





Distribution of Cancer Stage at Diagnosis for Top 5 Cancers (Based on Incidence) 2010-2014



Prepared by the Maryland Cancer Registry (MCR). The 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.

* 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

API = Asian or Pacific Islander

Allegany County

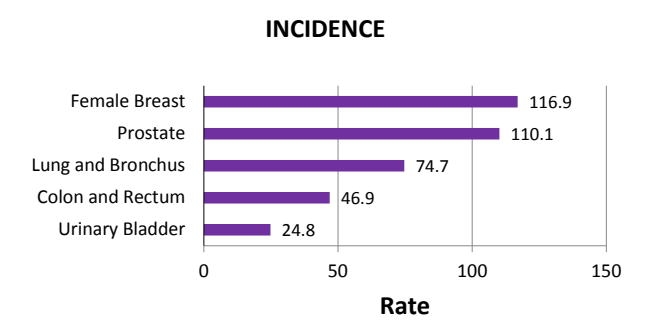
2014 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

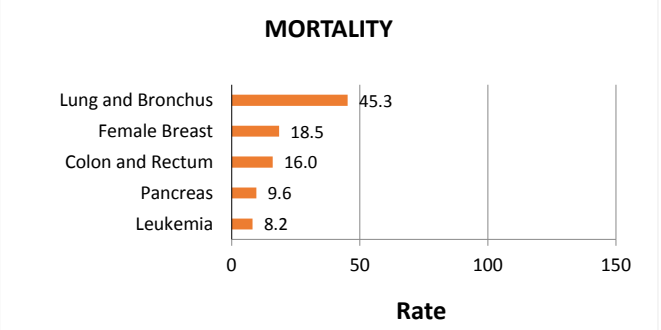
According to the Maryland Cancer Registry, a total of 29,912 Maryland residents were diagnosed with cancer in 2014. Cancer remains the second leading cause of death among people in the Maryland, exceeded only by heart disease.

In 2014, the number of incidence and mortality cases in Allegany County were:

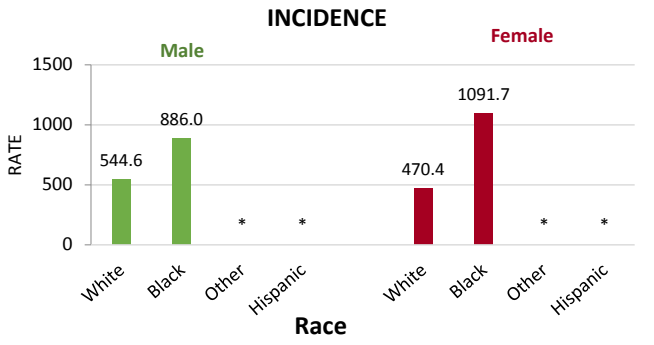
Incidence: 478 new cases of all cancer types **Mortality:** 178 deaths from cancer

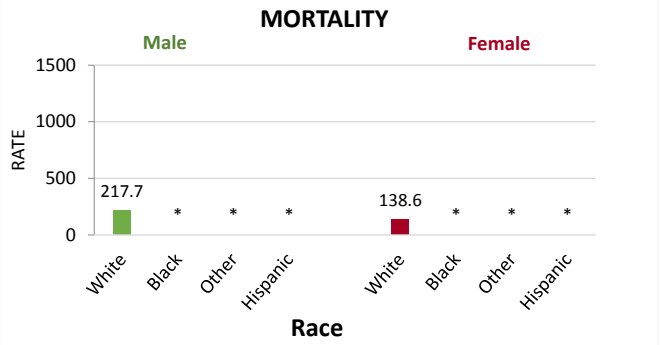
Top 5 Cancers, Based on Incidence and Morality Rates 2010-2014



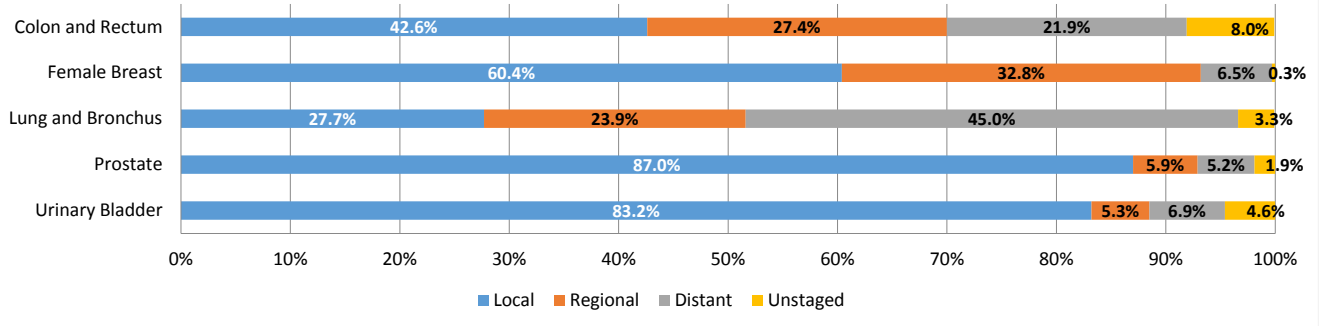


Incidence and Mortality Rates by Race and Gender, 2010-2014





Distribution of Cancer Stage at Diagnosis for Top 5 Cancers (Based on Incidence) 2010-2014



Prepared by the Maryland Cancer Registry (MCR). The 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.

* Suppressed rates:

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

Anne Arundel County

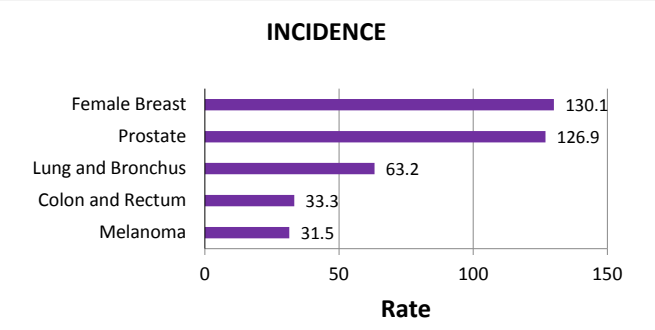
2014 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

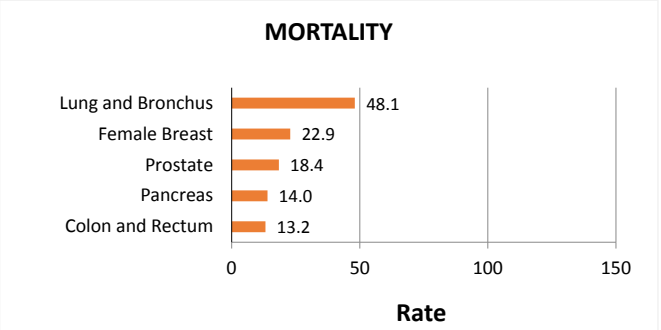
According to the Maryland Cancer Registry, a total of 29,912 Maryland residents were diagnosed with cancer in 2014. Cancer remains the second leading cause of death among people in the Maryland, exceeded only by heart disease.

In 2014, the number of incidence and mortality cases in Anne Arundel County were:

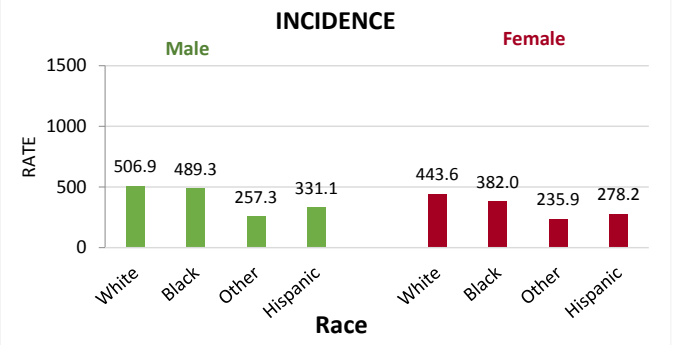
Incidence: 2,935 new cases of all cancer types **Mortality:** 1,039 deaths from cancer

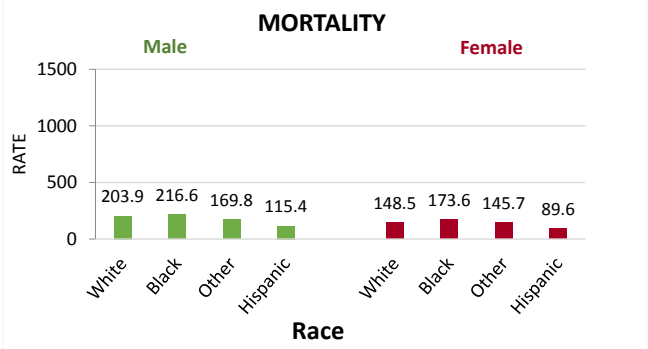
Top 5 Cancers, Based on Incidence and Morality Rates 2010-2014



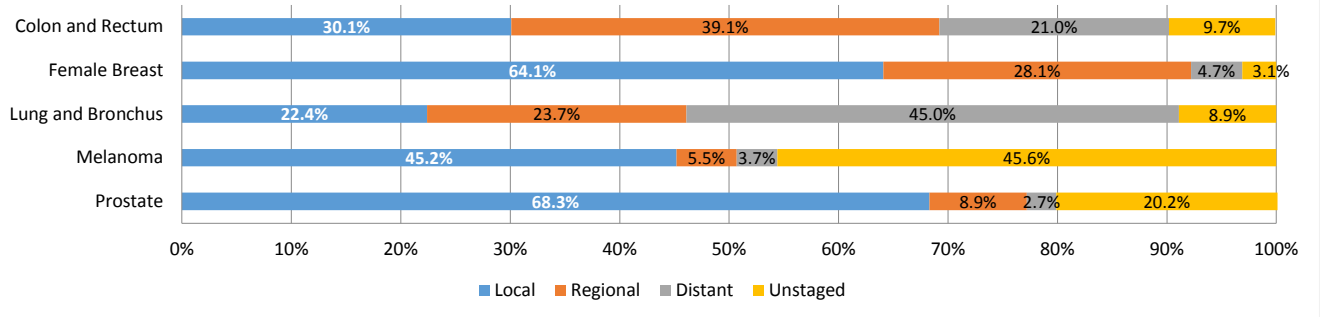


Incidence and Mortality Rates by Race and Gender, 2010-2014





Distribution of Cancer Stage at Diagnosis for Top 5 Cancers (Based on Incidence) 2010-2014



Prepared by the Maryland Cancer Registry (MCR). The 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.

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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

Baltimore City

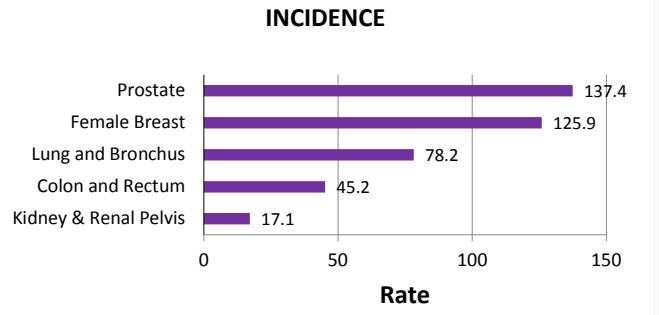
2014 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

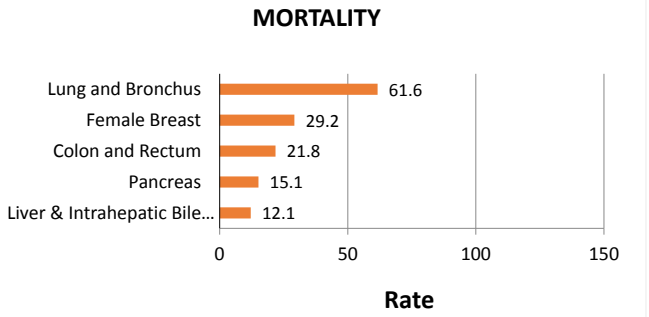
According to the Maryland Cancer Registry, a total of 29,912 Maryland residents were diagnosed with cancer in 2014. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2014, the number of incidence and mortality cases in Baltimore City were:

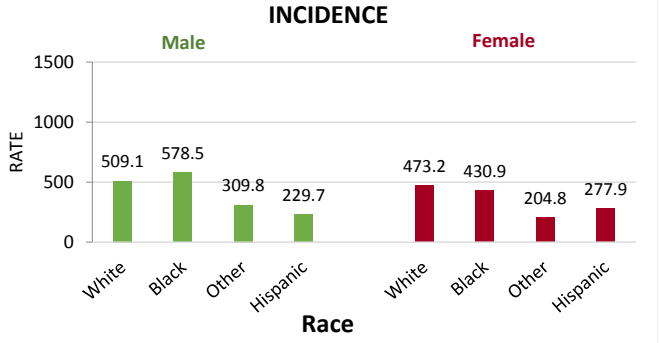
Incidence: 3,215 new cases of all cancer types **Mortality:** 1,519 deaths from cancer

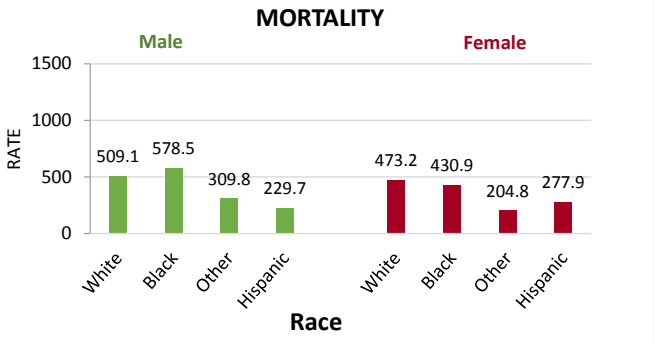
Top 5 Cancers, Based on Incidence and Morality Rates 2010-2014



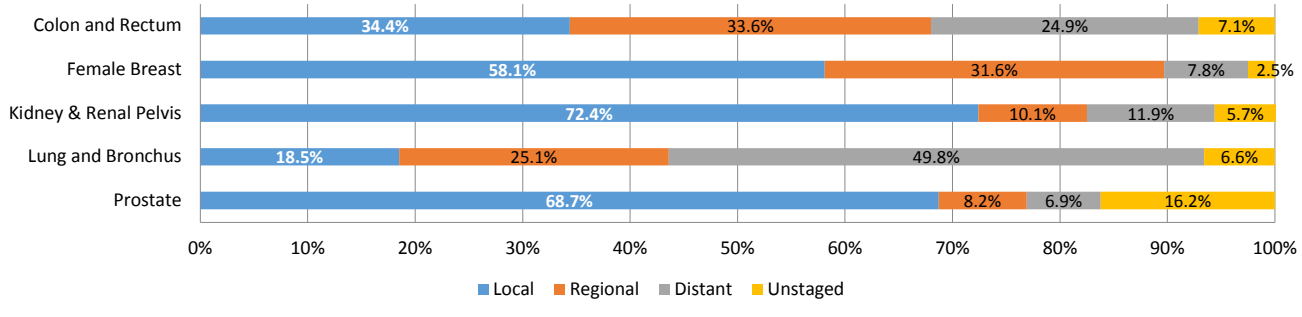


Incidence and Mortality Rates by Race and Gender, 2010-2014





Distribution of Cancer Stage at Diagnosis for Top 5 Cancers (Based on Incidence) 2010-2014



Prepared by the Maryland Cancer Registry (MCR). The 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.

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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

Baltimore County

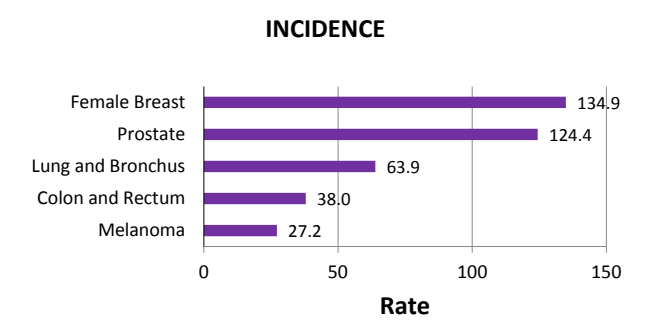
2014 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

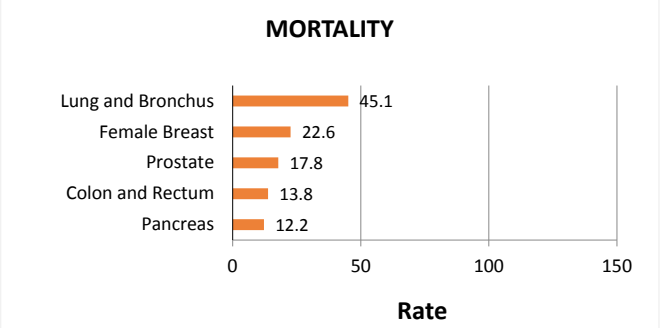
According to the Maryland Cancer Registry, a total of 29,912 Maryland residents were diagnosed with cancer in 2014. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2014, the number of incidence and mortality cases in Baltimore County were:

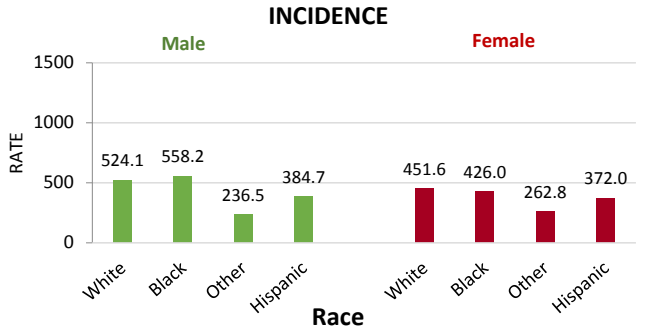
Incidence: 4,956 new cases of all cancer types **Mortality:** 1,655 deaths from cancer

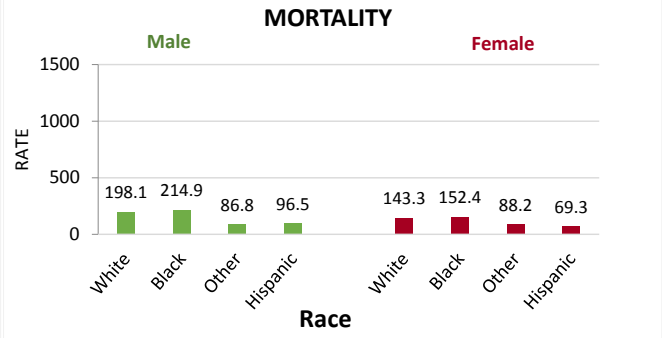
Top 5 Cancers, Based on Incidence and Morality Rates 2010-2014



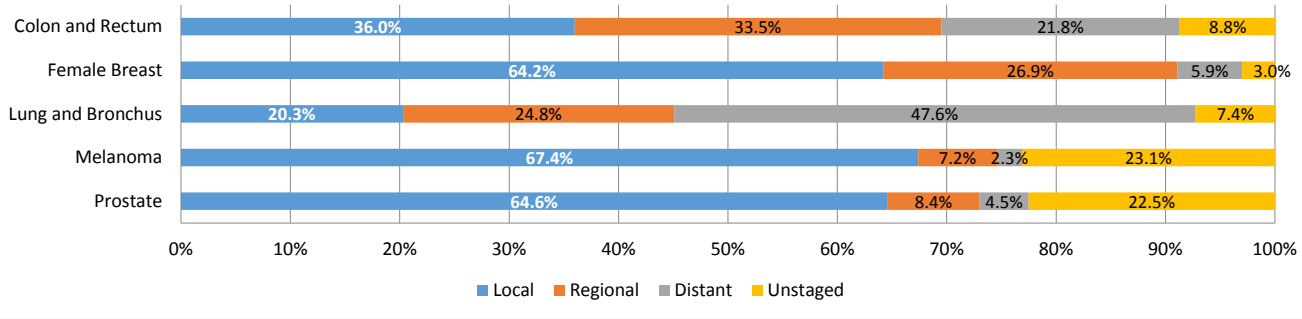


Incidence and Mortality Rates by Race and Gender, 2010-2014





Distribution of Cancer Stage at Diagnosis for Top 5 Cancers (Based on Incidence) 2010-2014



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

Calvert County

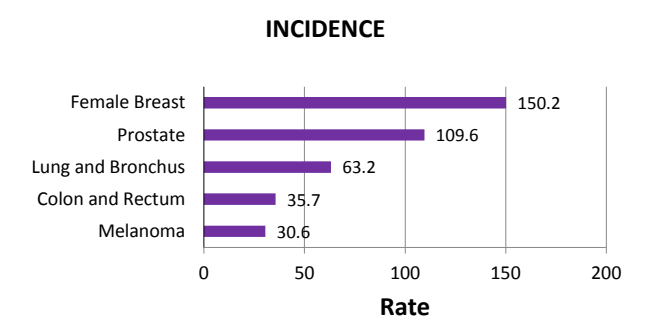
2014 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

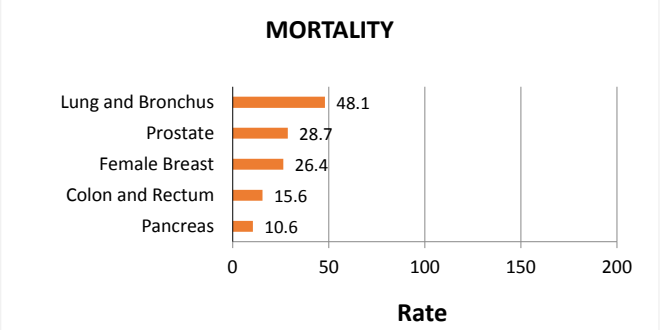
According to the Maryland Cancer Registry, a total of 29,912 Maryland residents were diagnosed with cancer in 2014. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2014, the number of incidence and mortality cases in Calvert County were:

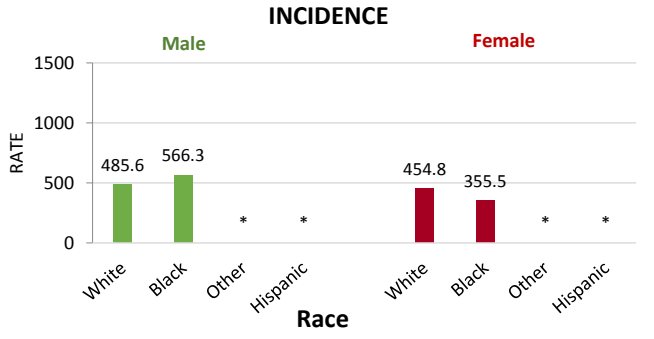
Incidence: 500 new cases of all cancer types **Mortality:** 171 deaths from cancer

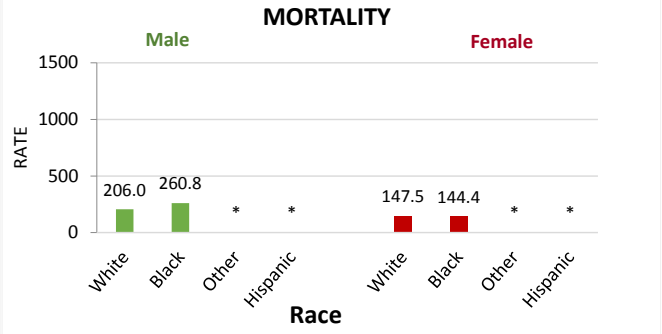
Top 5 Cancers, Based on Incidence and Morality Rates 2010-2014



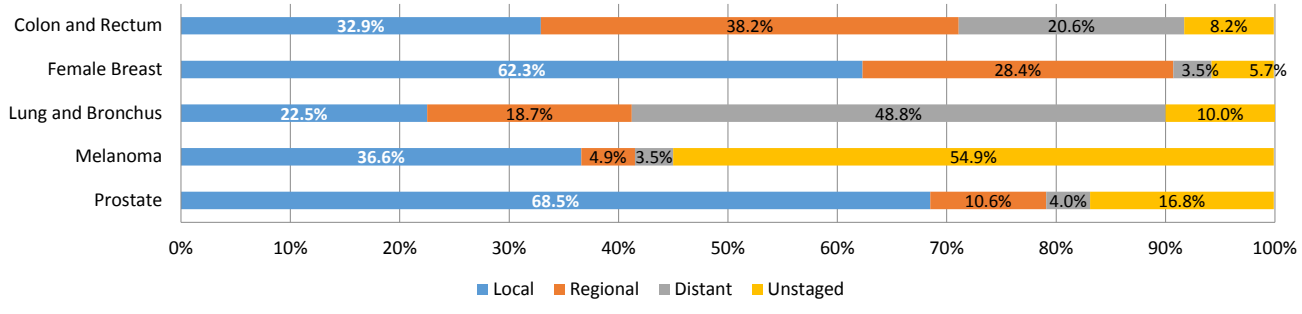


Incidence and Mortality Rates by Race and Gender, 2010-2014





Distribution of Cancer Stage at Diagnosis for Top 5 Cancers (Based on Incidence) 2010-2014



Prepared by the Maryland Cancer Registry (MCR). The 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.

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

Caroline County

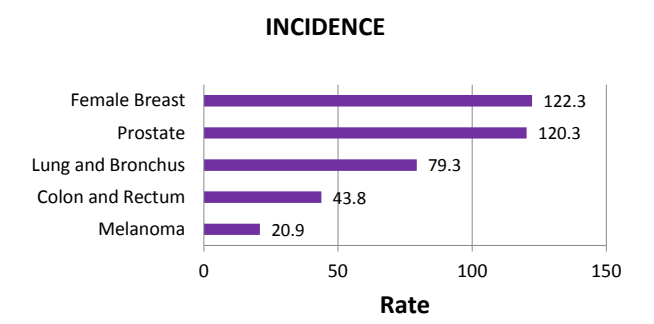
2014 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

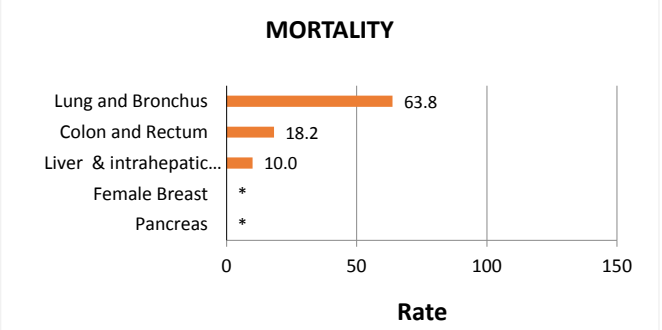
According to the Maryland Cancer Registry, a total of 29,912 Maryland residents were diagnosed with cancer in 2014. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2014, the number of incidence and mortality cases in Caroline County were:

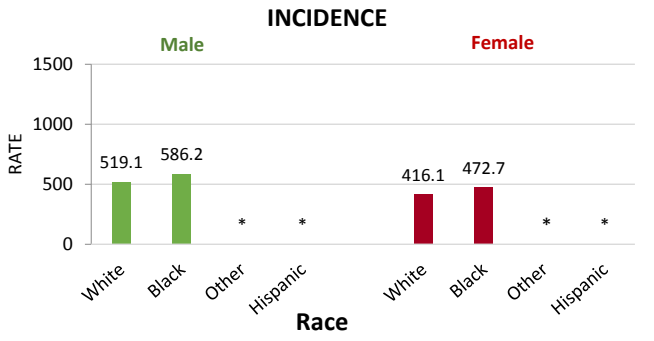
Incidence: 185 new cases of all cancer types **Mortality:** 79 deaths from cancer

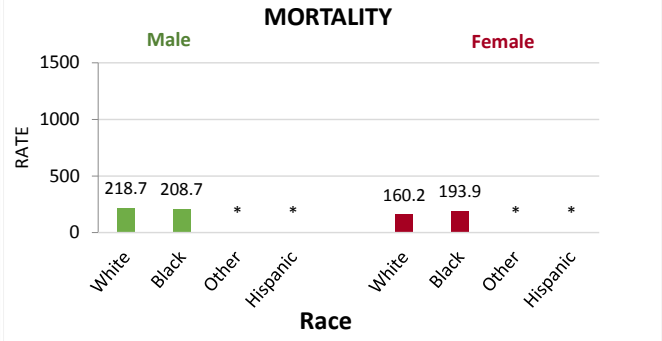
Top 5 Cancers, Based on Incidence and Morality Rates 2010-2014



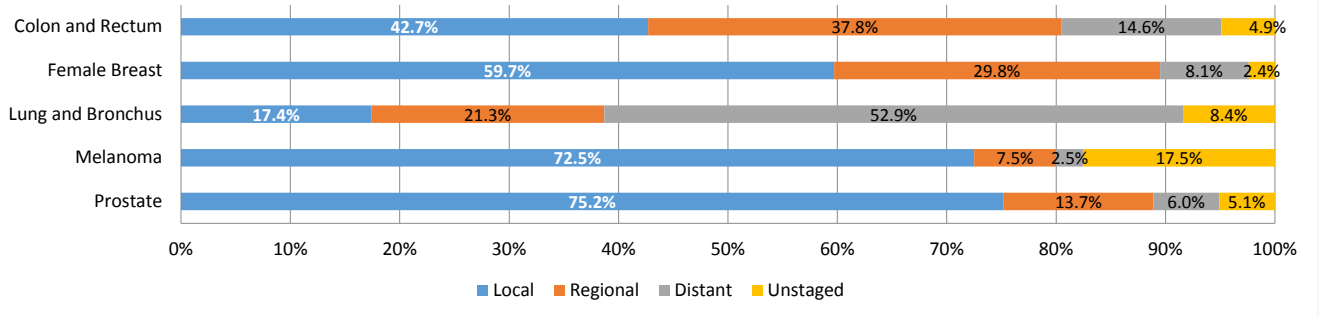


Incidence and Mortality Rates by Race and Gender, 2010-2014





Distribution of Cancer Stage at Diagnosis for Top 5 Cancers (Based on Incidence) 2010-2014



Prepared by the Maryland Cancer Registry (MCR). The 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.

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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

Carroll County

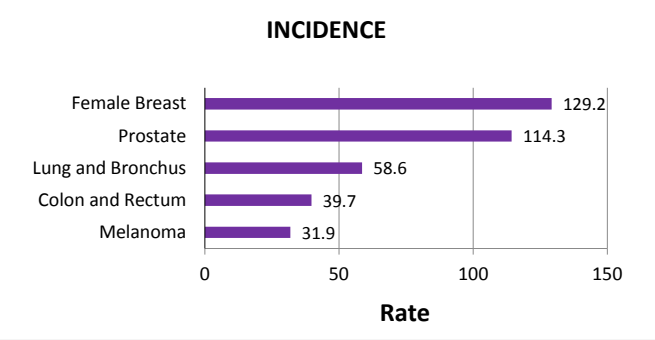
2014 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

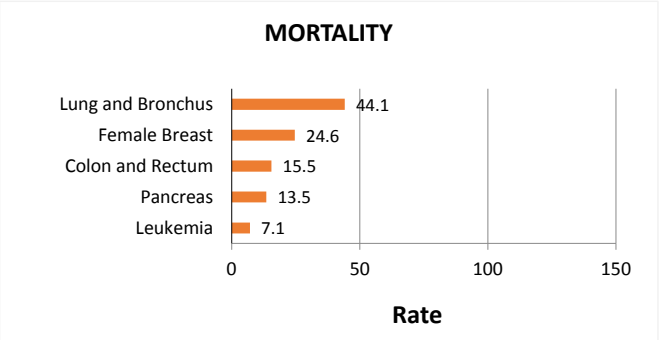
According to the Maryland Cancer Registry, a total of 29,912 Maryland residents were diagnosed with cancer in 2014. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2014, the number of incidence and mortality cases in Carroll County were:

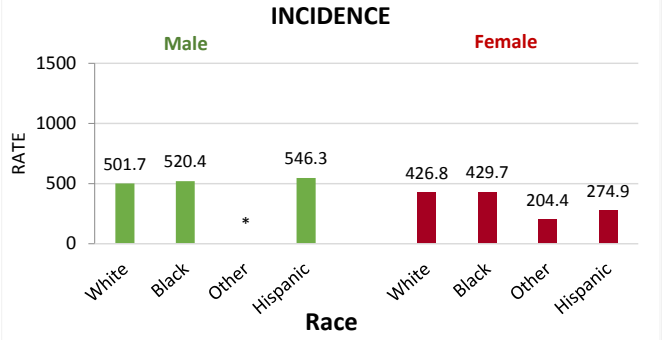
Incidence: 974 new cases of all cancer types **Mortality:** 325 deaths from cancer

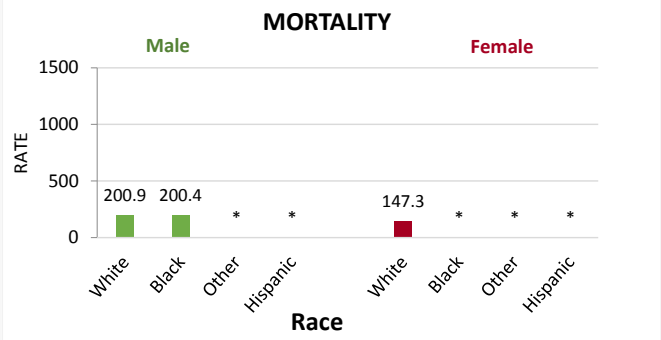
Top 5 Cancers, Based on Incidence and Morality Rates 2010-2014



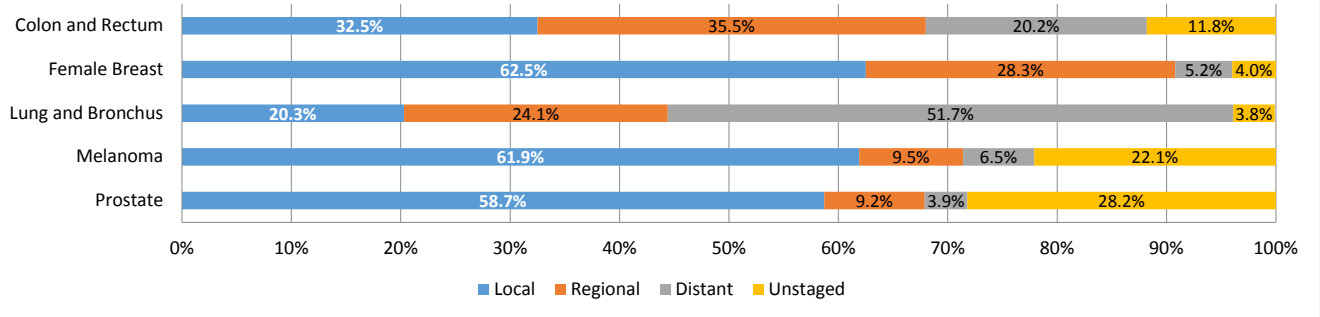


Incidence and Mortality Rates by Race and Gender, 2010-2014





Distribution of Cancer Stage at Diagnosis for Top 5 Cancers (Based on Incidence) 2010-2014



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Cecil County

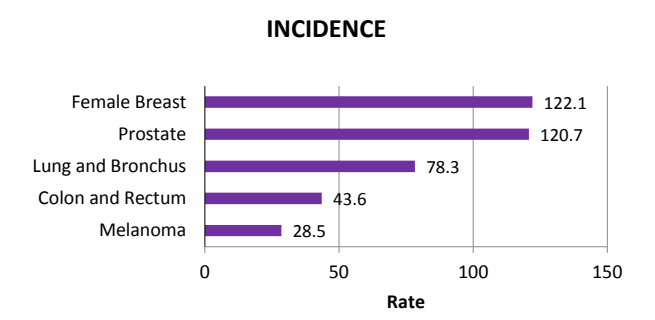
2014 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

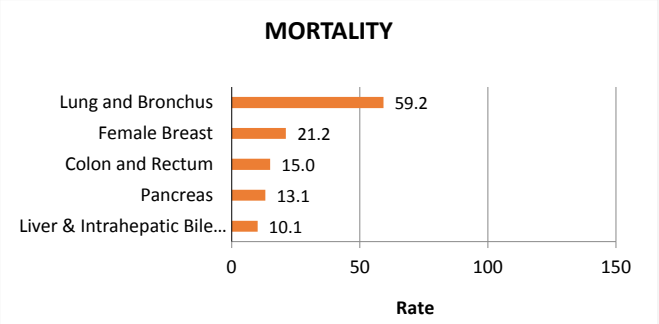
According to the Maryland Cancer Registry, a total of 29,912 Maryland residents were diagnosed with cancer in 2014. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2014, the number of incidence and mortality cases in Cecil County were:

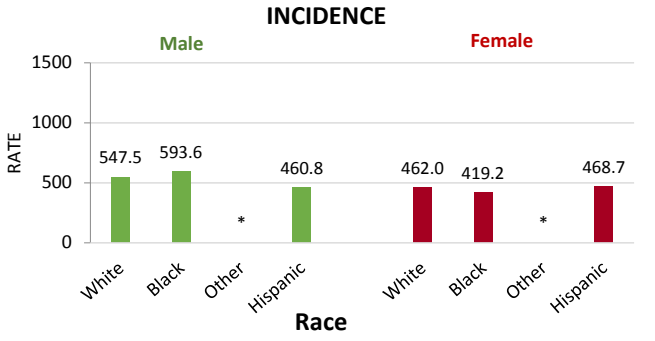
Incidence: 592 new cases of all cancer types **Mortality:** 199 deaths from cancer

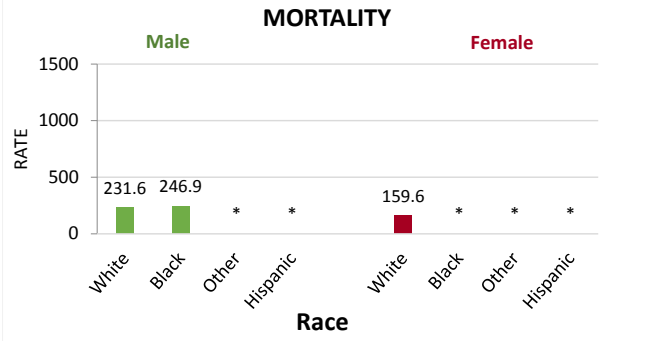
Top 5 Cancers, Based on Incidence and Morality Rates 2010-2014



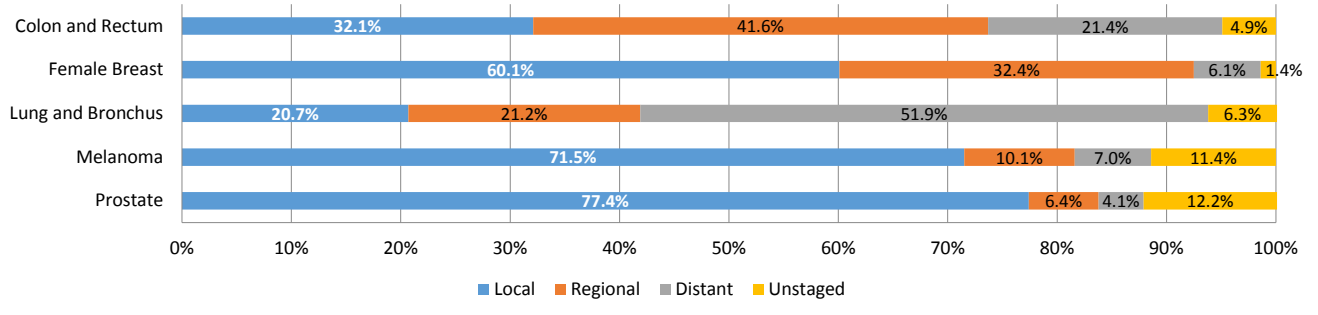


Incidence and Mortality Rates by Race and Gender, 2010-2014





Distribution of Cancer Stage at Diagnosis for Top 5 Cancers (Based on Incidence) 2010-2014



Prepared by the Maryland Cancer Registry (MCR). The 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.

* 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

Charles County

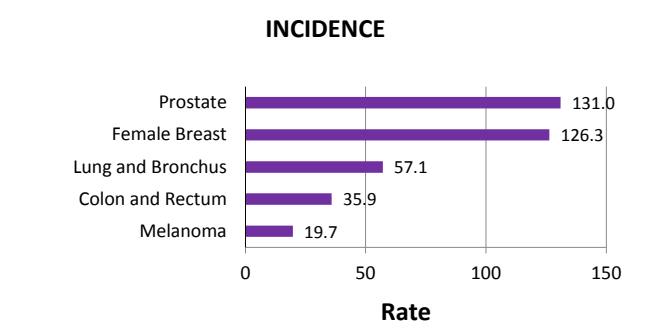
2014 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

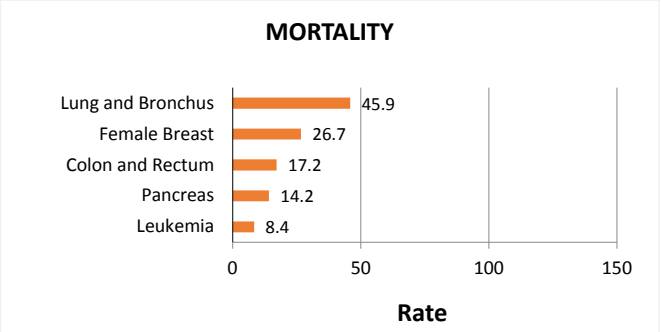
According to the Maryland Cancer Registry, a total of 29,912 Maryland residents were diagnosed with cancer in 2014. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2014, the number of incidence and mortality cases in Charles County were:

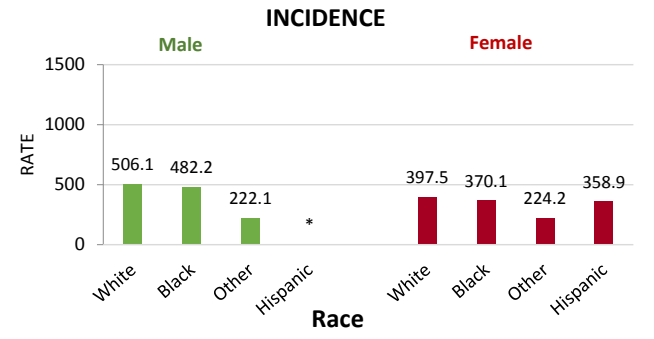
Incidence: 669 new cases of all cancer types **Mortality:** 239 deaths from cancer

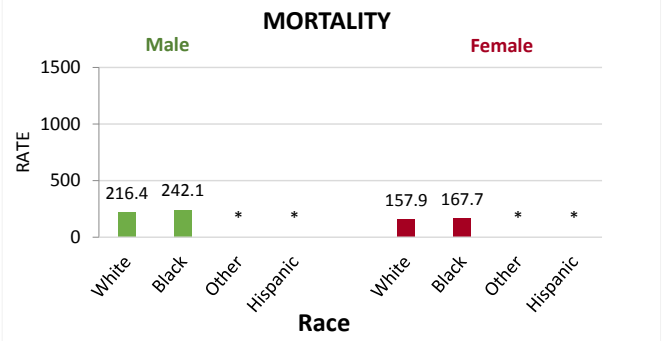
Top 5 Cancers, Based on Incidence and Morality Rates 2010-2014



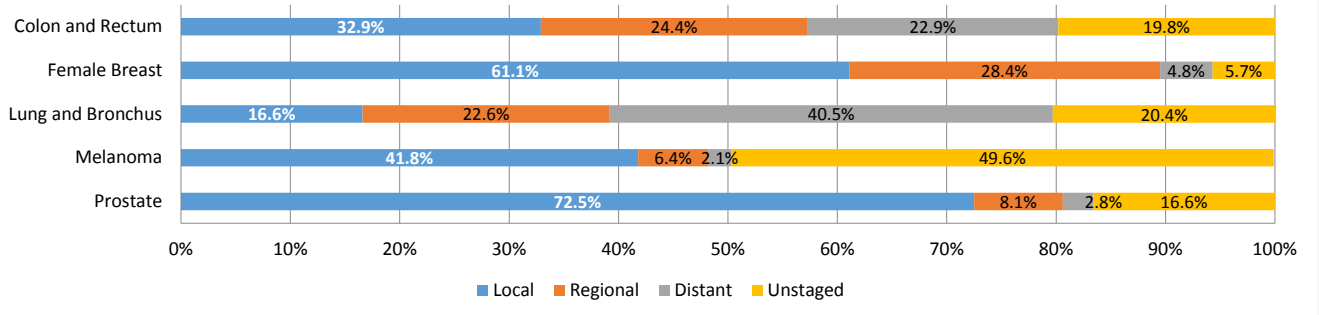


Incidence and Mortality Rates by Race and Gender, 2010-2014





Distribution of Cancer Stage at Diagnosis for Top 5 Cancers (Based on Incidence) 2010-2014



Prepared by the Maryland Cancer Registry (MCR). The 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.

* Suppressed rates:

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

Dorchester County

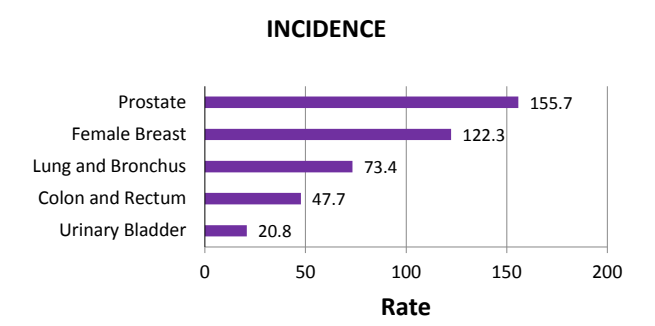
2014 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

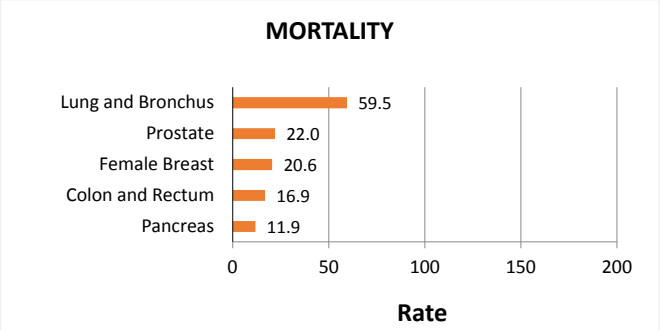
According to the Maryland Cancer Registry, a total of 29,912 Maryland residents were diagnosed with cancer in 2014. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2014, the number of incidence and mortality cases in Dorchester County were:

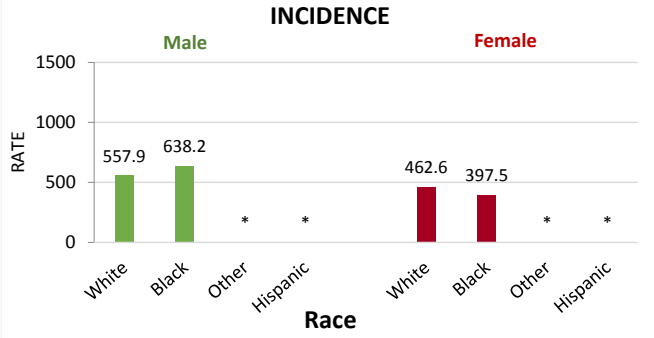
Incidence: 208 new cases of all cancer types **Mortality:** 99 deaths from cancer

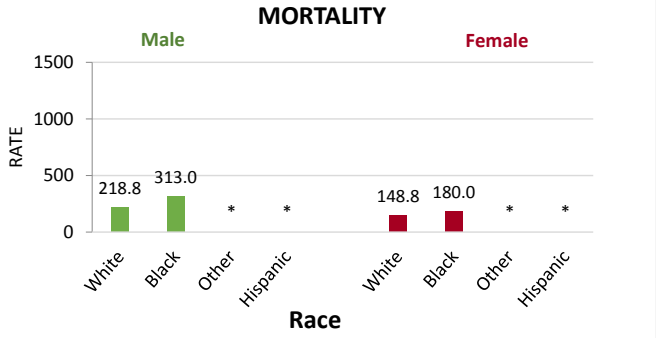
Top 5 Cancers, Based on Incidence and Morality Rates 2010-2014



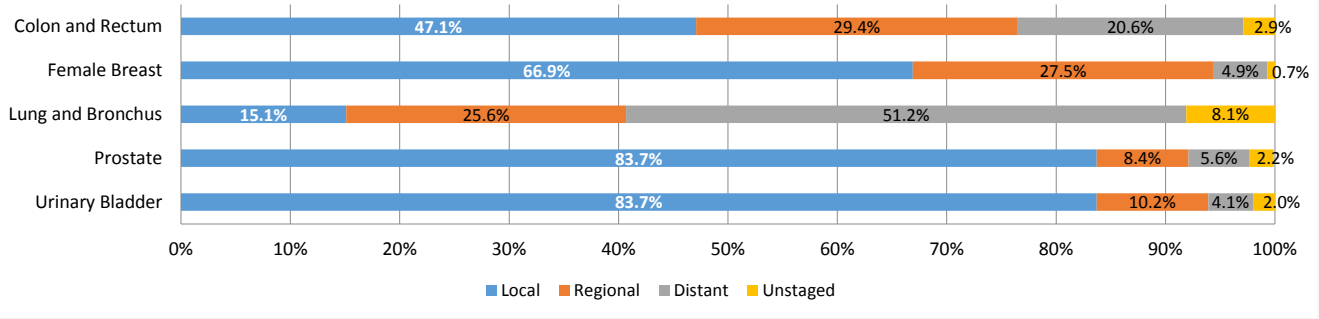


Incidence and Mortality Rates by Race and Gender, 2010-2014





Distribution of Cancer Stage at Diagnosis for Top 5 Cancers (Based on Incidence) 2010-2014



Prepared by the Maryland Cancer Registry (MCR). The 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.

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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

Frederick County

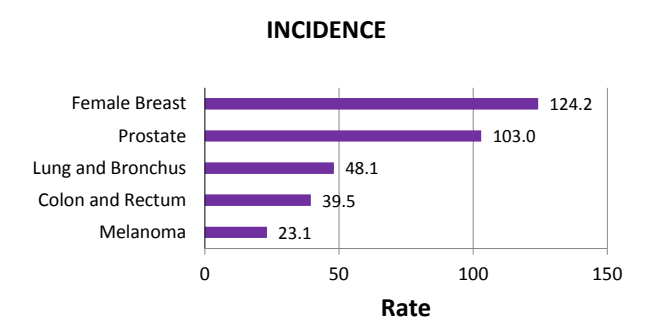
2014 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

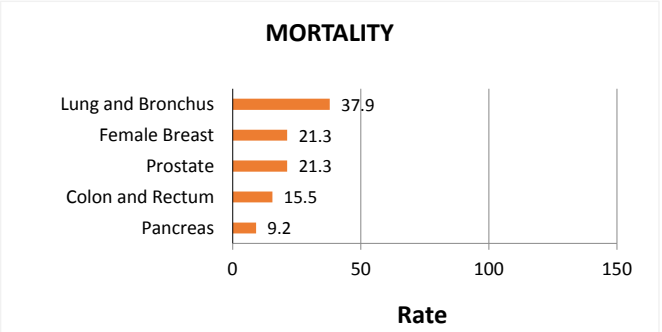
According to the Maryland Cancer Registry, a total of 29,912 Maryland residents were diagnosed with cancer in 2014. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2014, the number of incidence and mortality cases in Frederick County were:

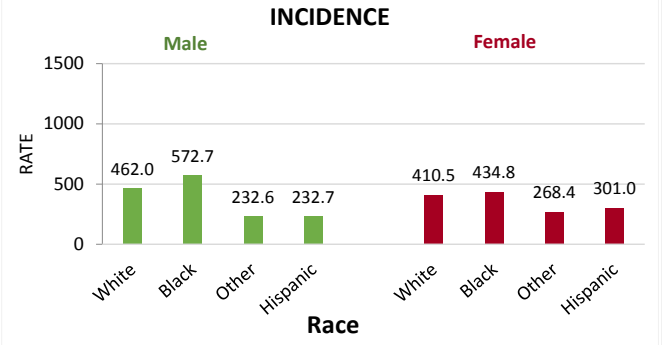
Incidence: 1,141 new cases of all cancer types **Mortality:** 403 deaths from cancer

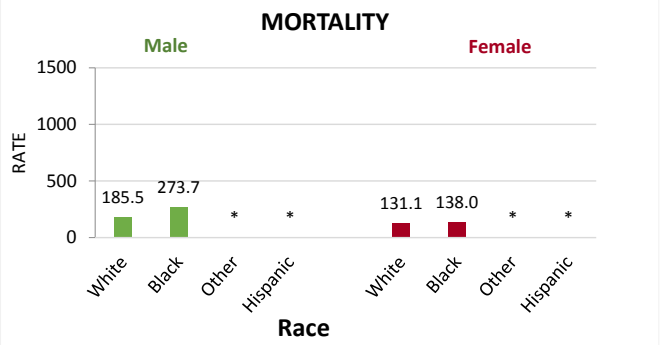
Top 5 Cancers, Based on Incidence and Morality Rates 2010-2014



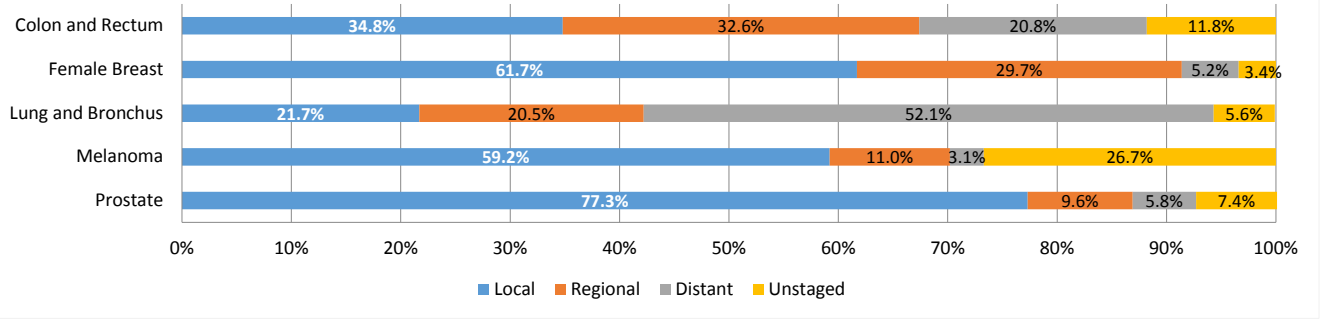


Incidence and Mortality Rates by Race and Gender, 2010-2014





Distribution of Cancer Stage at Diagnosis for Top 5 Cancers (Based on Incidence) 2010-2014



Prepared by the Maryland Cancer Registry (MCR). The 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.

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

Garrett County

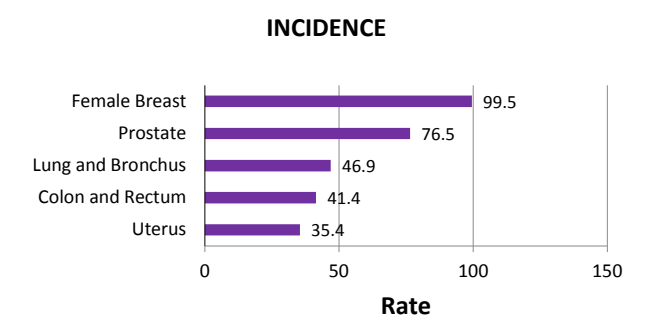
2014 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

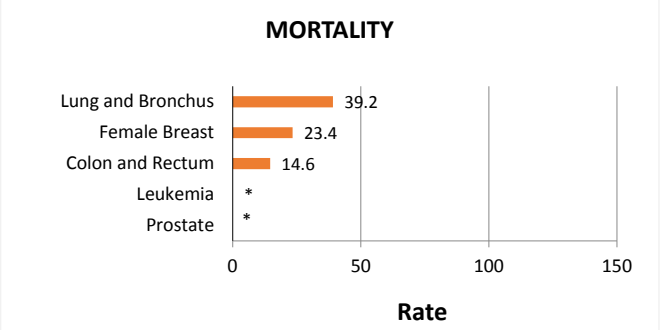
According to the Maryland Cancer Registry, a total of 29,912 Maryland residents were diagnosed with cancer in 2014. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2014, the number of incidence and mortality cases in Garrett County were:

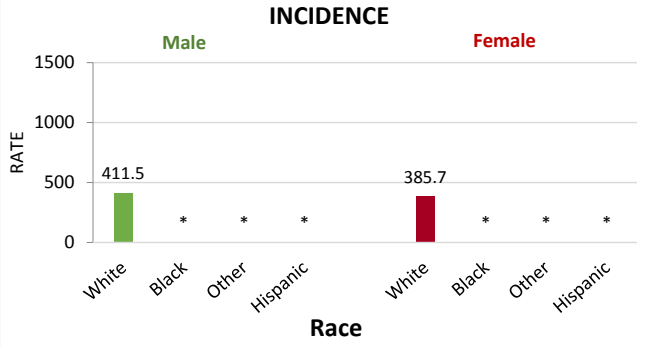
Incidence: 184 new cases of all cancer types **Mortality:** 53 deaths from cancer

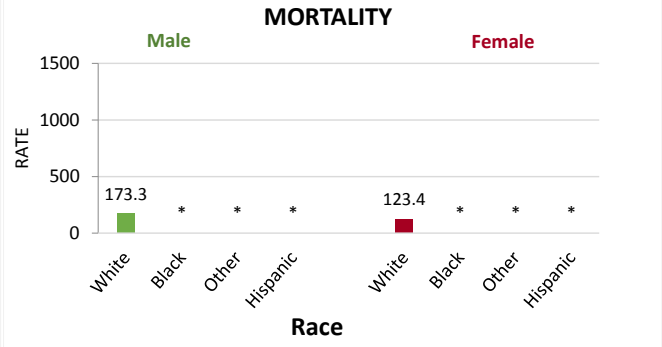
Top 5 Cancers, Based on Incidence and Morality Rates 2010-2014



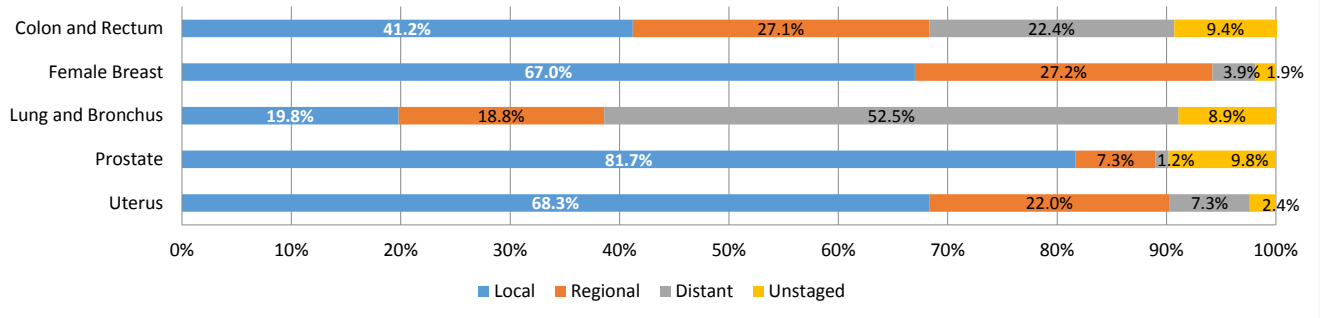


Incidence and Mortality Rates by Race and Gender, 2010-2014





Distribution of Cancer Stage at Diagnosis for Top 5 Cancers (Based on Incidence) 2010-2014



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

Harford County

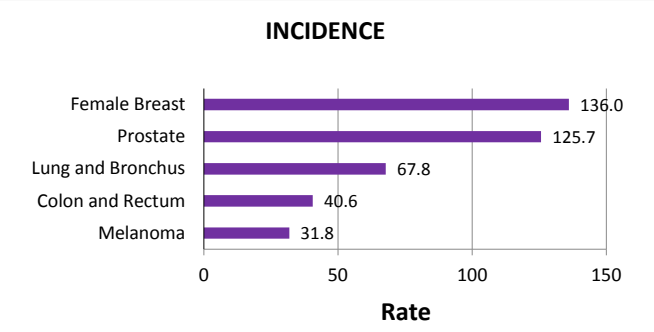
2014 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

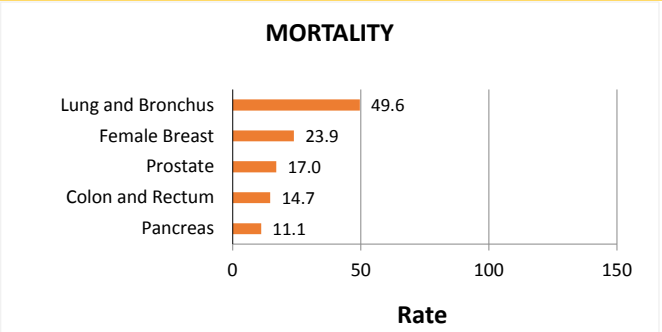
According to the Maryland Cancer Registry, a total of 29,912 Maryland residents were diagnosed with cancer in 2014. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2014, the number of incidence and mortality cases in Harford County were:

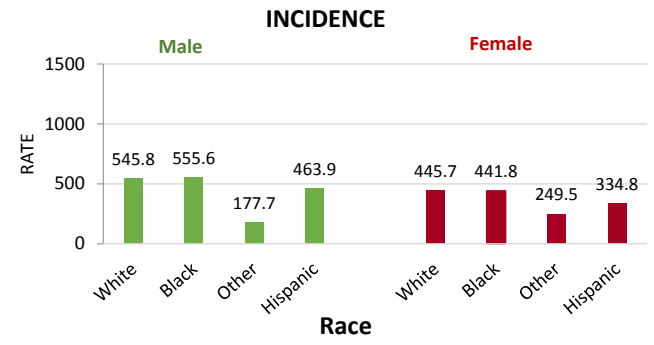
Incidence: 1,487 new cases of all cancer types **Mortality:** 494 deaths from cancer

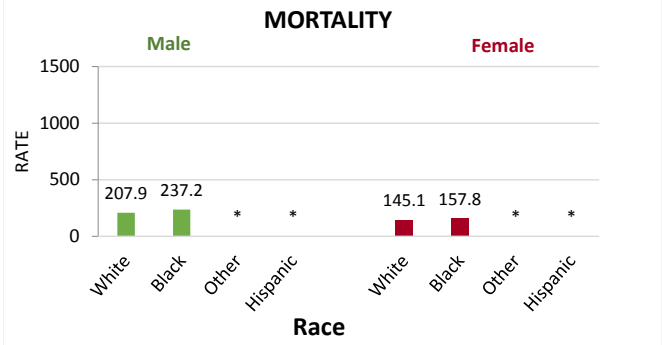
Top 5 Cancers, Based on Incidence and Morality Rates 2010-2014



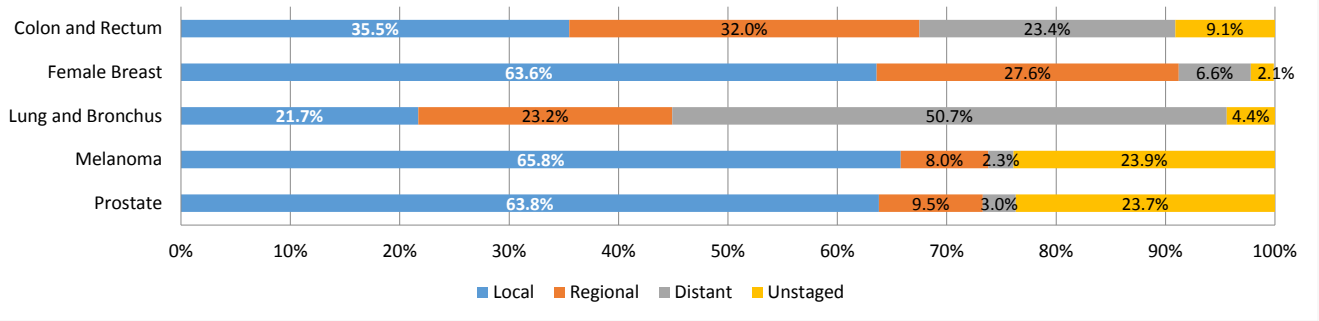


Incidence and Mortality Rates by Race and Gender, 2010-2014





Distribution of Cancer Stage at Diagnosis for Top 5 Cancers (Based on Incidence) 2010-2014



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

Howard County

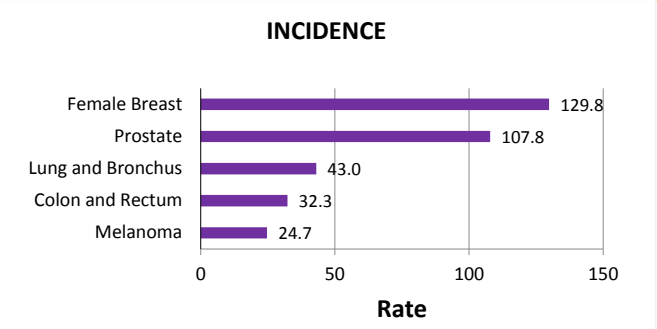
2014 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

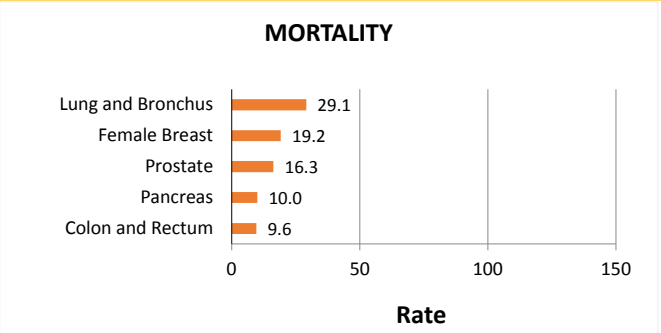
According to the Maryland Cancer Registry, a total of 29,912 Maryland residents were diagnosed with cancer in 2014. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2014, the number of incidence and mortality cases in Howard County were:

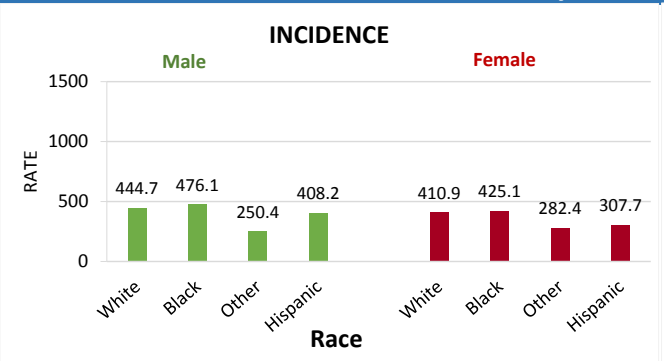
Incidence: 1,271 new cases of all cancer types **Mortality:** 336 deaths from cancer

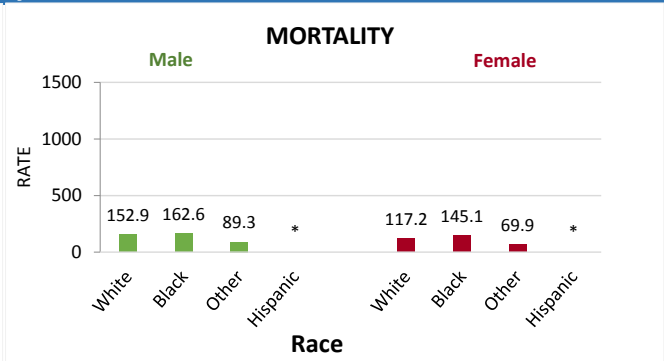
Top 5 Cancers, Based on Incidence and Morality Rates 2010-2014



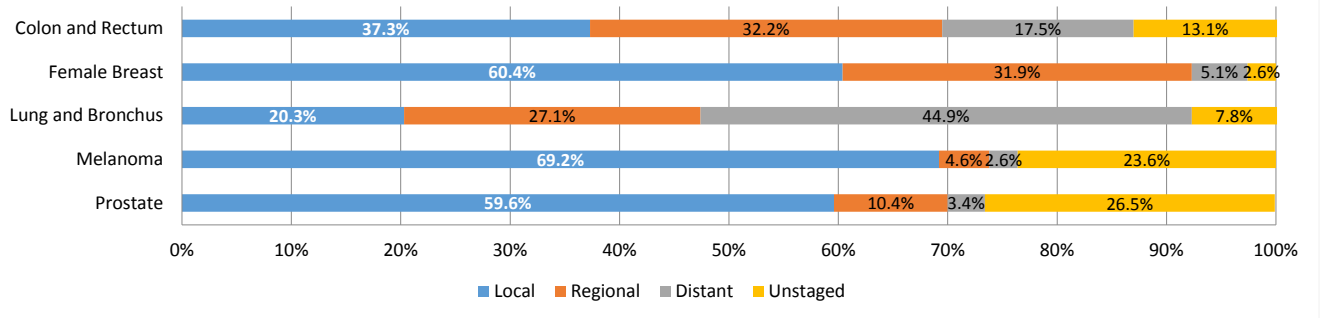


Incidence and Mortality Rates by Race and Gender, 2010-2014





Distribution of Cancer Stage at Diagnosis for Top 5 Cancers (Based on Incidence) 2010-2014



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

Kent County

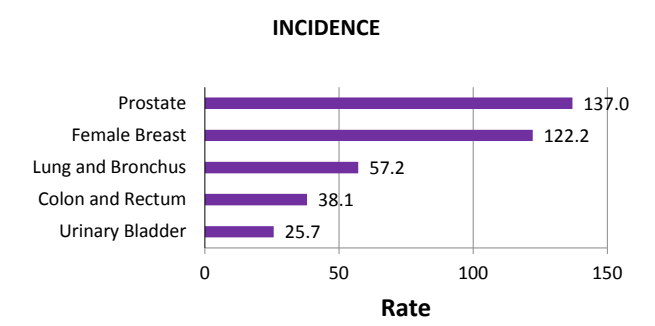
2014 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

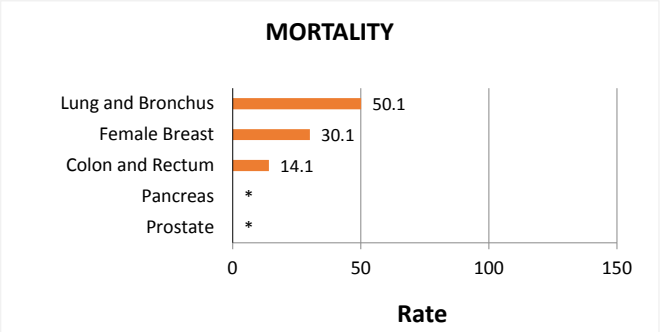
According to the Maryland Cancer Registry, a total of 29,912 Maryland residents were diagnosed with cancer in 2014. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2014, the number of incidence and mortality cases in Kent County were:

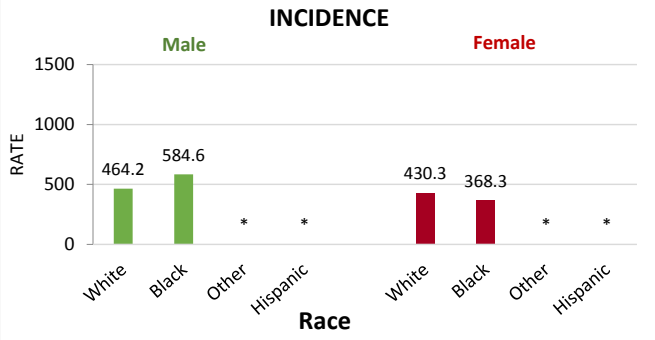
Incidence: 144 new cases of all cancer types **Mortality:** 54 deaths from cancer

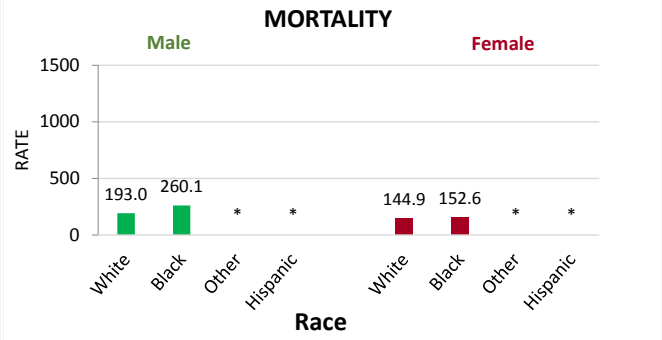
Top 5 Cancers, Based on Incidence and Morality Rates 2010-2014



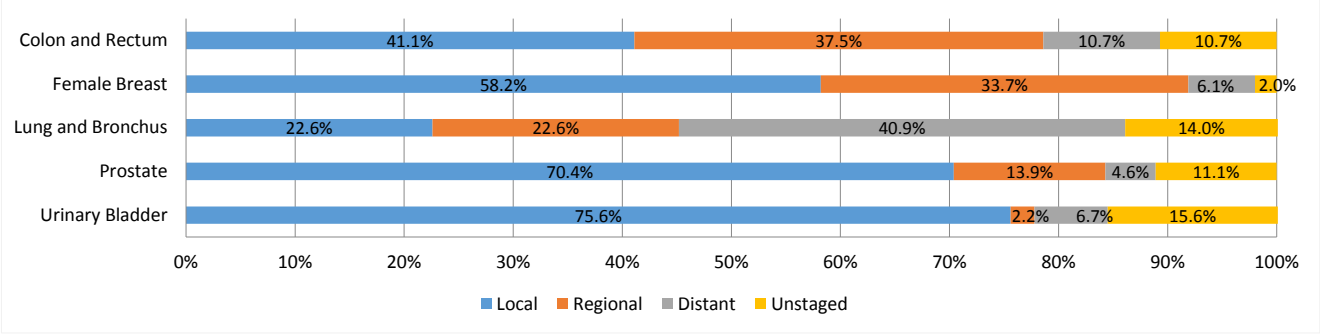


Incidence and Mortality Rates by Race and Gender, 2010-2014





Distribution of Cancer Stage at Diagnosis for Top 5 Cancers (Based on Incidence) 2010-2014



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

Montgomery County

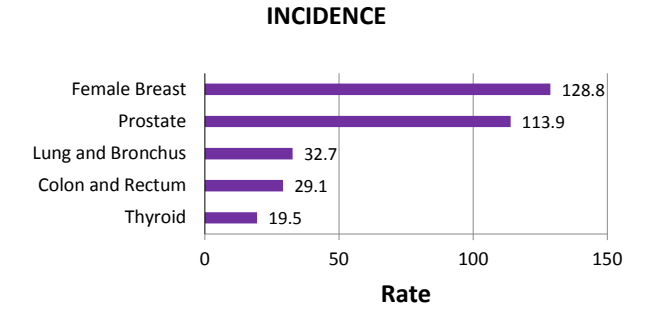
2014 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

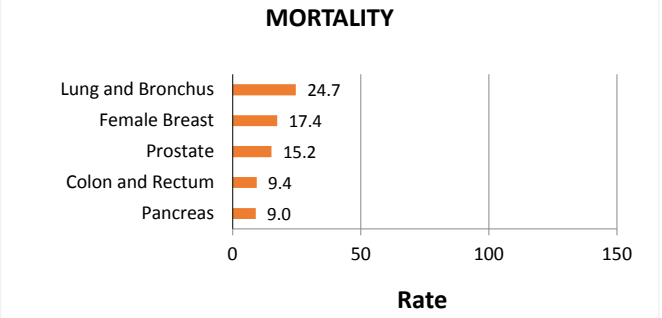
According to the Maryland Cancer Registry, a total of 29,912 Maryland residents were diagnosed with cancer in 2014. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2014, the number of incidence and mortality cases in Montgomery County were:

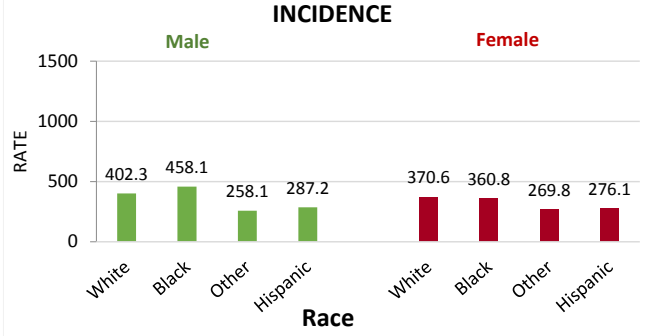
Incidence: 4,296 new cases of all cancer types **Mortality:** 1,299 deaths from cancer

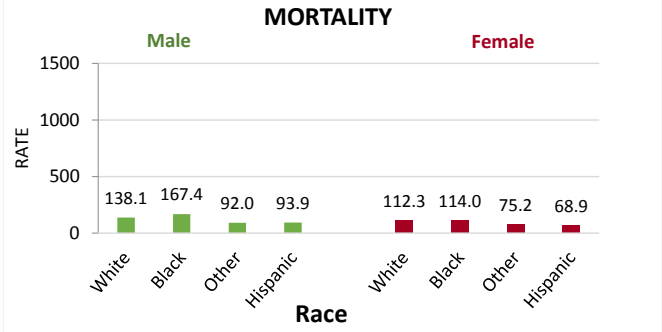
Top 5 Cancers, Based on Incidence and Morality Rates 2010-2014



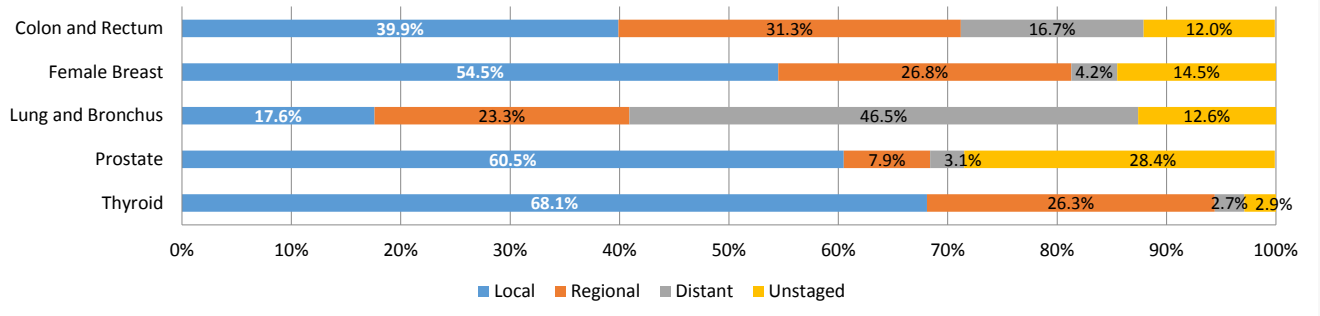


Incidence and Mortality Rates by Race and Gender, 2010-2014





Distribution of Cancer Stage at Diagnosis for Top 5 Cancers (Based on Incidence) 2010-2014



Prepared by the Maryland Cancer Registry (MCR). The 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.

* 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

Prince George's County

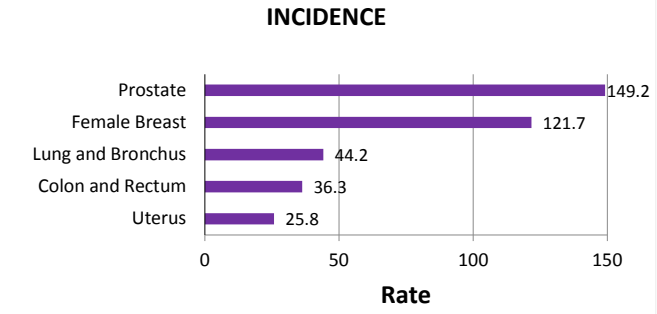
2014 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

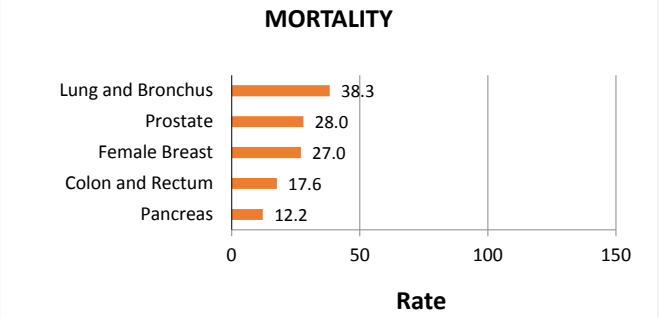
According to the Maryland Cancer Registry, a total of 29,912 Maryland residents were diagnosed with cancer in 2014. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2014, the number of incidence and mortality cases in Prince George's County were:

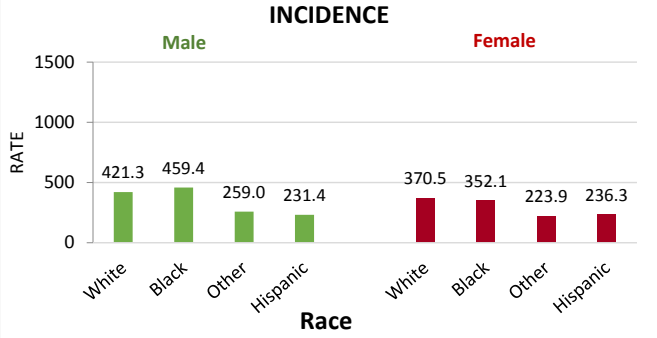
Incidence: 3,602 new cases of all cancer types **Mortality:** 1,417 deaths from cancer

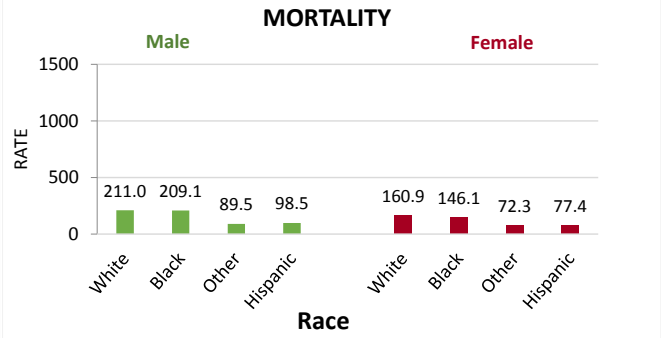
Top 5 Cancers, Based on Incidence and Morality Rates 2010-2014



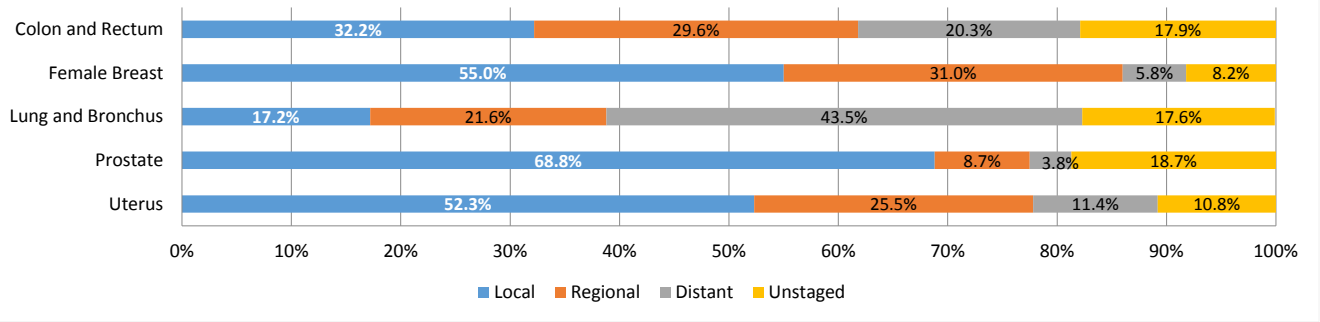


Incidence and Mortality Rates by Race and Gender, 2010-2014





Distribution of Cancer Stage at Diagnosis for Top 5 Cancers (Based on Incidence) 2010-2014



Prepared by the Maryland Cancer Registry (MCR). The 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.

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

Queen Anne's County

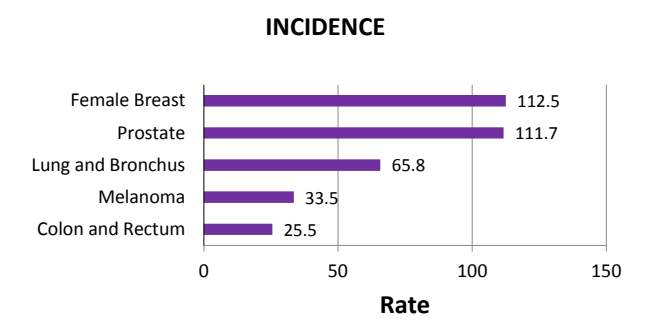
2014 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

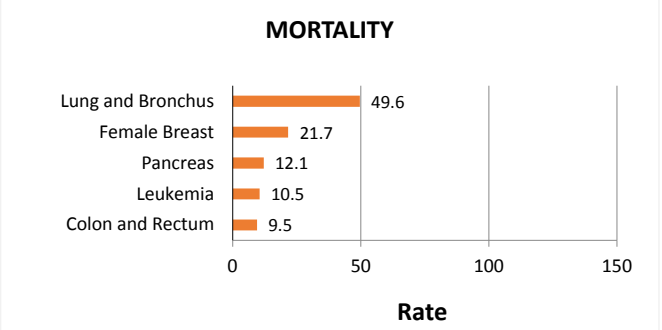
According to the Maryland Cancer Registry, a total of 29,912 Maryland residents were diagnosed with cancer in 2014. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2014, the number of incidence and mortality cases in Queen Anne's County were:

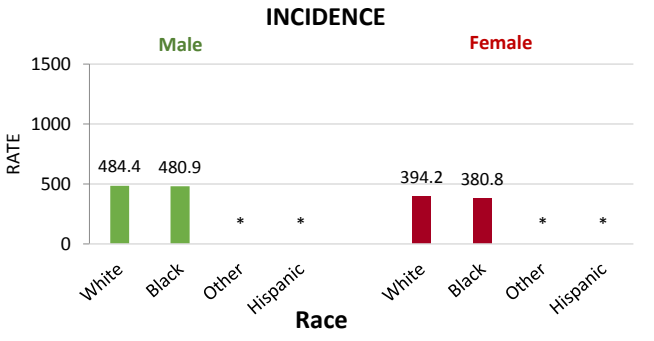
Incidence: 287 new cases of all cancer types **Mortality:** 117 deaths from cancer

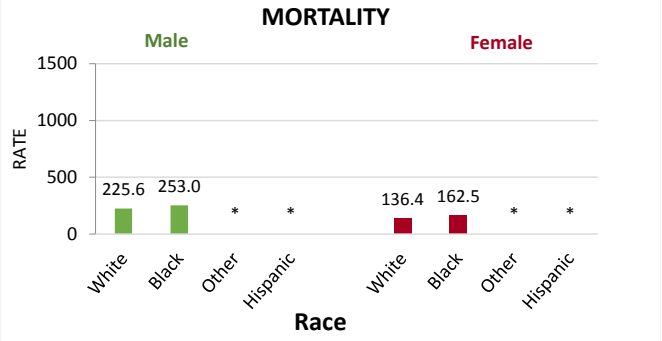
Top 5 Cancers, Based on Incidence and Morality Rates 2010-2014



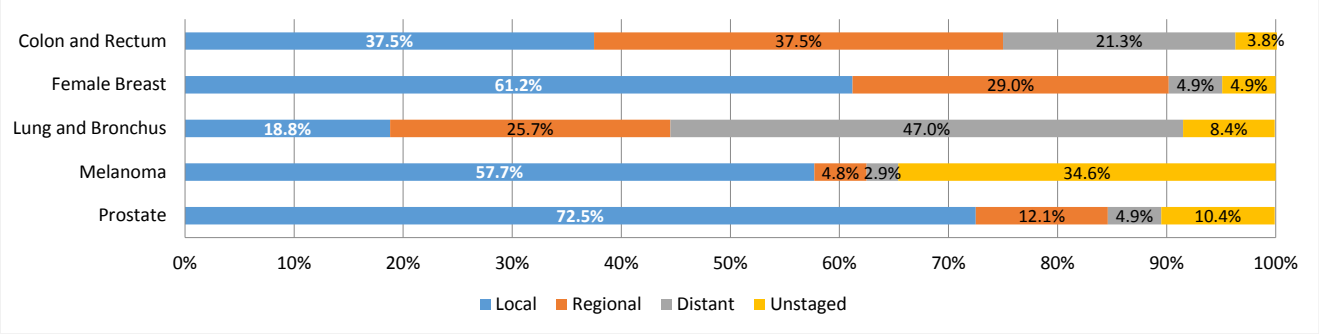


Incidence and Mortality Rates by Race and Gender, 2010-2014





Distribution of Cancer Stage at Diagnosis for Top 5 Cancers (Based on Incidence) 2010-2014



Prepared by the Maryland Cancer Registry (MCR). The 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.

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Somerset County

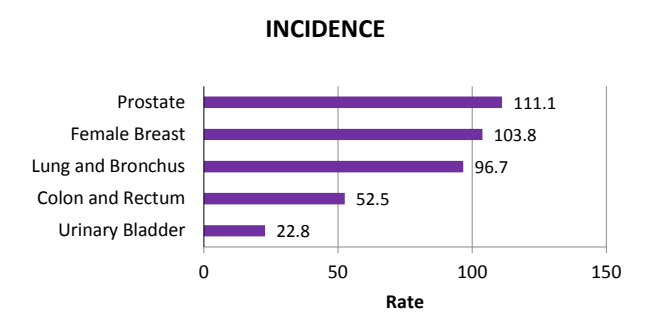
2014 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

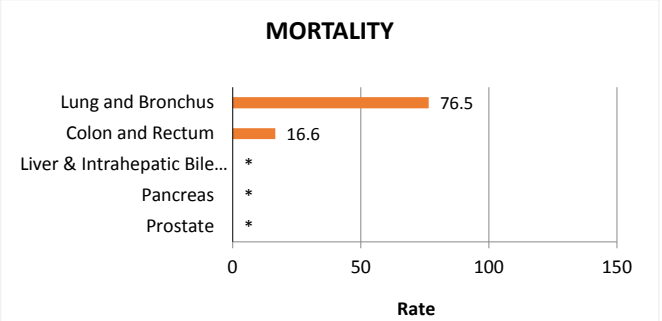
According to the Maryland Cancer Registry, a total of 29,912 Maryland residents were diagnosed with cancer in 2014. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2014, the number of incidence and mortality cases in Somerset County were:

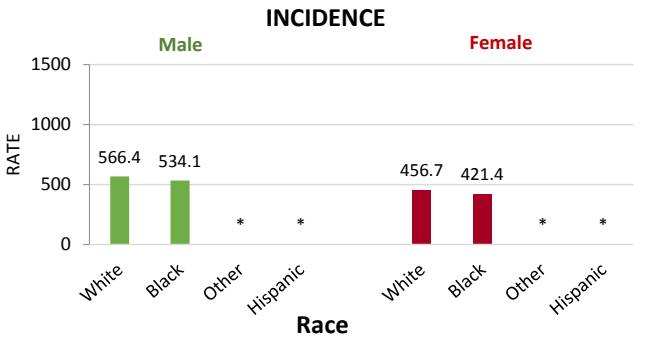
Incidence: 137 new cases of all cancer types **Mortality:** 62 deaths from cancer

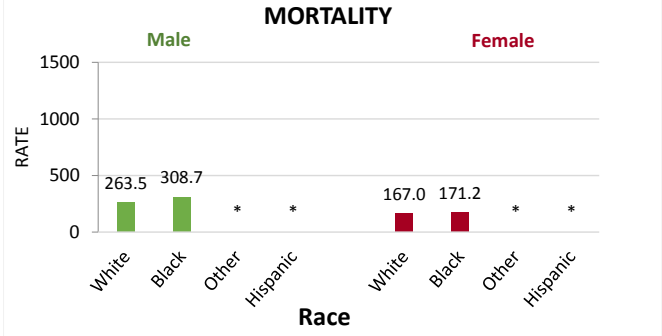
Top 5 Cancers, Based on Incidence and Morality Rates 2010-2014



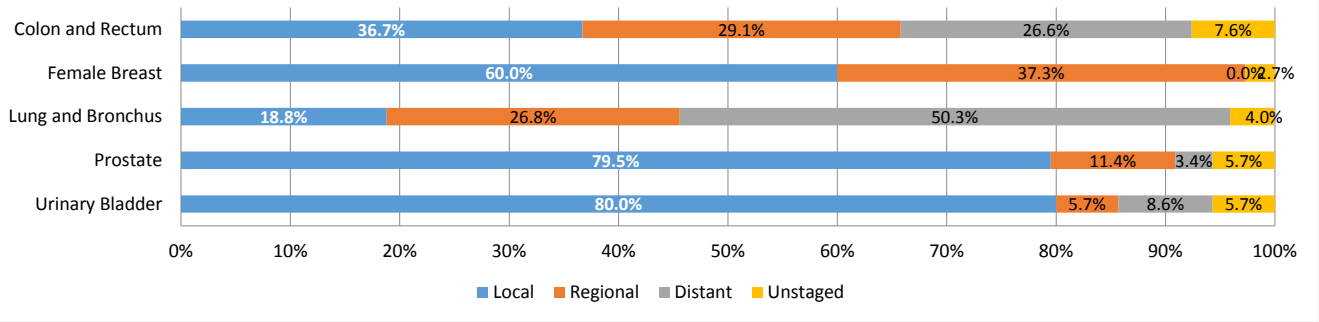


Incidence and Mortality Rates by Race and Gender, 2010-2014





Distribution of Cancer Stage at Diagnosis for Top 5 Cancers (Based on Incidence) 2010-2014



Prepared by the Maryland Cancer Registry (MCR). The 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.

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St. Mary's County

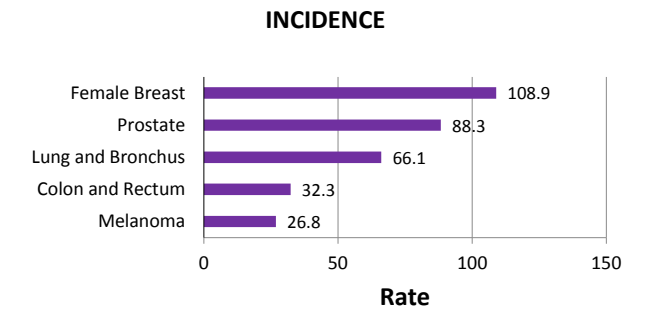
2014 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

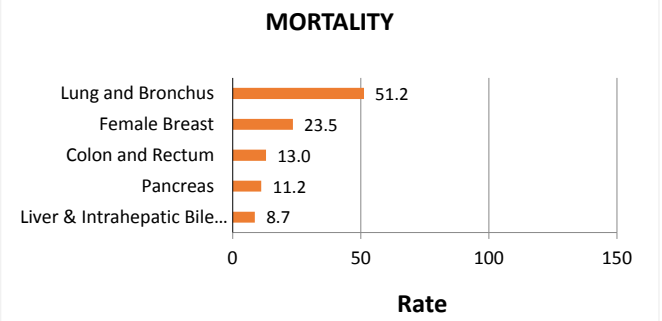
According to the Maryland Cancer Registry, a total of 29,912 Maryland residents were diagnosed with cancer in 2014. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2014, the number of incidence and mortality cases in St. Mary's County were:

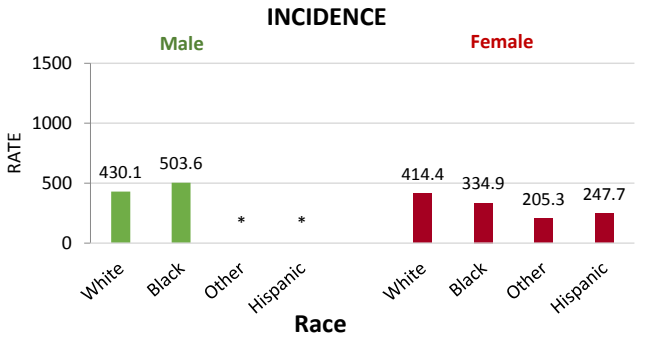
Incidence: 474 new cases of all cancer types **Mortality:** 202 deaths from cancer

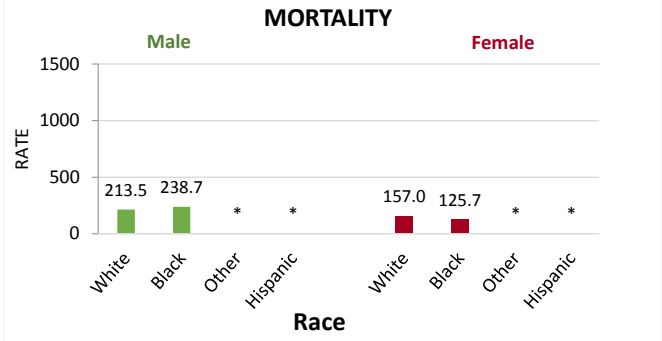
Top 5 Cancers, Based on Incidence and Morality Rates 2010-2014



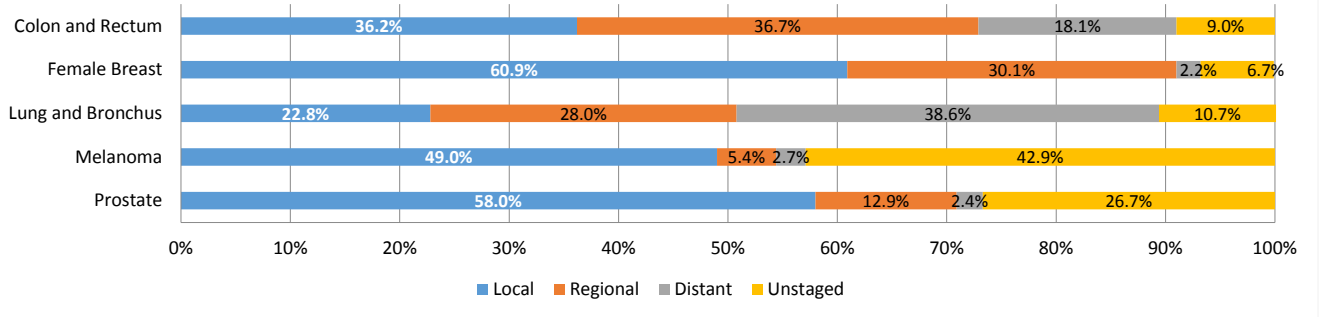


Incidence and Mortality Rates by Race and Gender, 2010-2014





Distribution of Cancer Stage at Diagnosis for Top 5 Cancers (Based on Incidence) 2010-2014



Prepared by the Maryland Cancer Registry (MCR). The 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.

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

Talbot County

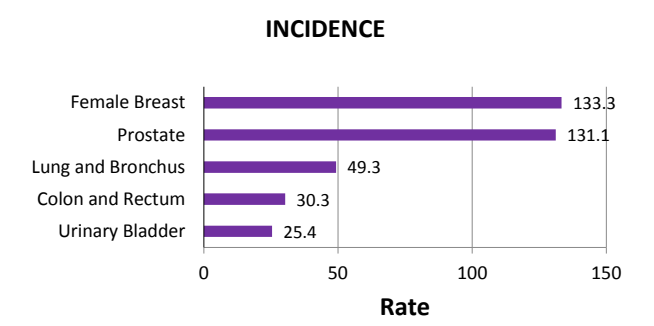
2014 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

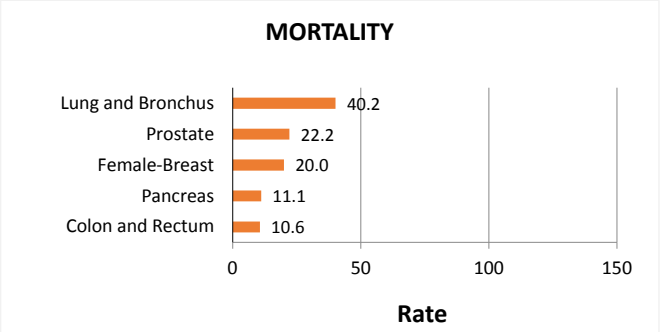
According to the Maryland Cancer Registry, a total of 29,912 Maryland residents were diagnosed with cancer in 2014. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2014, the number of incidence and mortality cases in Talbot County were:

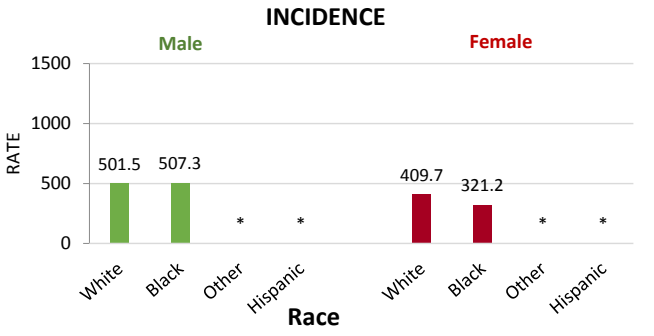
Incidence: 270 new cases of all cancer types **Mortality:** 113 deaths from cancer

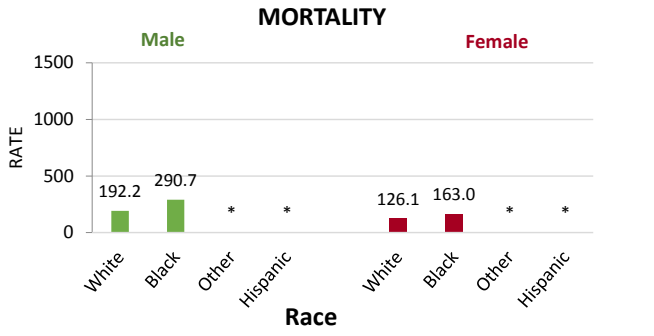
Top 5 Cancers, Based on Incidence and Morality Rates 2010-2014



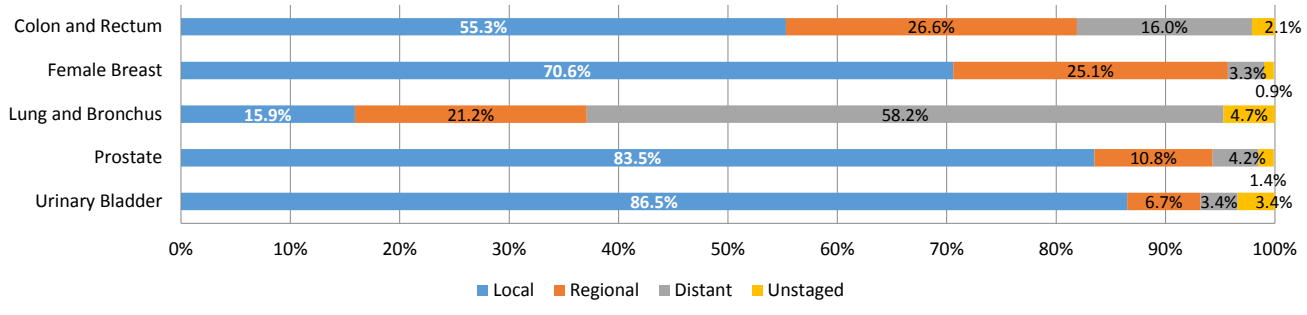


Incidence and Mortality Rates by Race and Gender, 2010-2014





Distribution of Cancer Stage at Diagnosis for Top 5 Cancers (Based on Incidence) 2010-2014



Prepared by the Maryland Cancer Registry (MCR). The 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.

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

Washington County

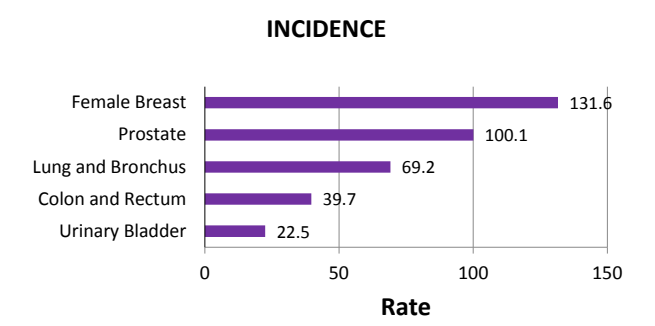
2014 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

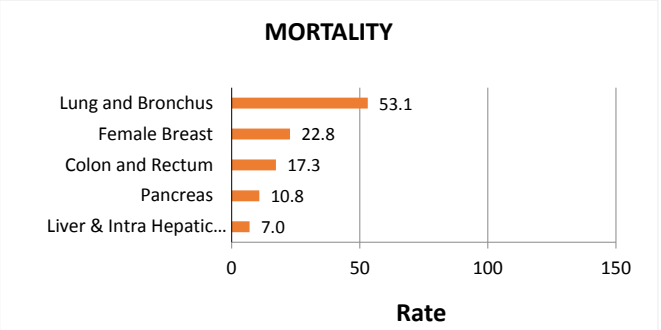
According to the Maryland Cancer Registry, a total of 29,912 Maryland residents were diagnosed with cancer in 2014. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2014, the number of incidence and mortality cases in Washington County were:

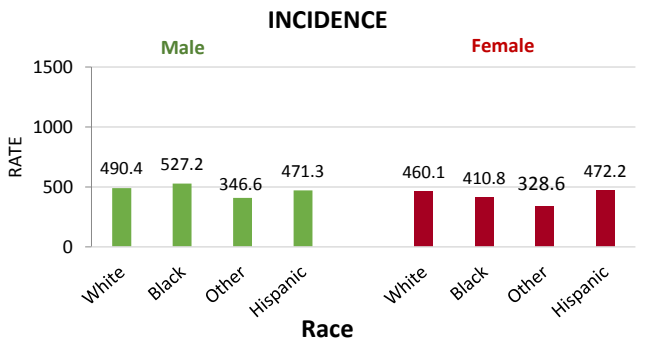
Incidence: 840 new cases of all cancer types **Mortality:** 321 deaths from cancer

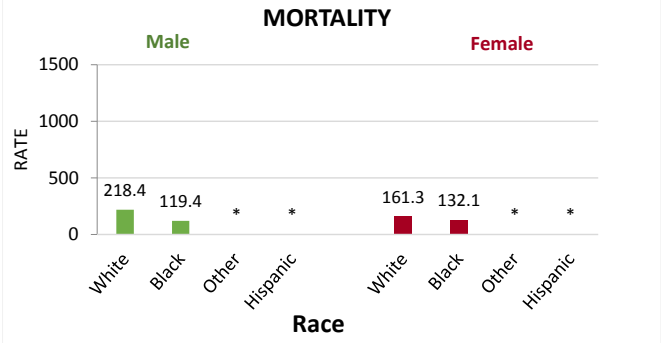
Top 5 Cancers, Based on Incidence and Morality Rates 2010-2014



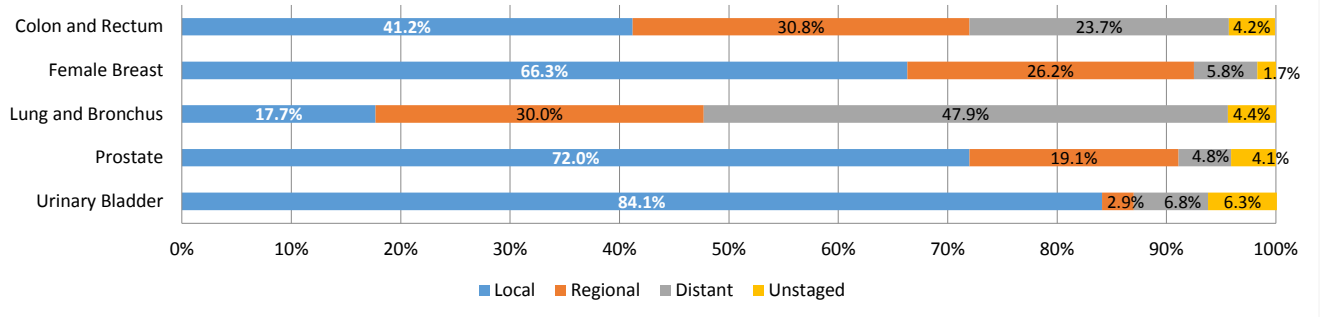


Incidence and Mortality Rates by Race and Gender, 2010-2014





Distribution of Cancer Stage at Diagnosis for Top 5 Cancers (Based on Incidence) 2010-2014



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

Wicomico County

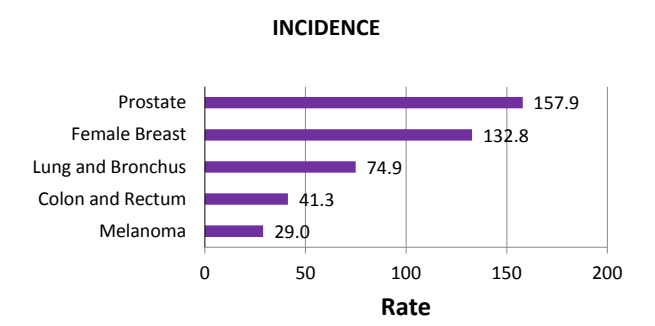
2014 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

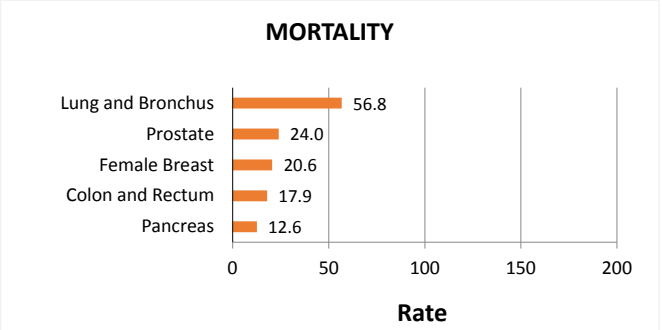
According to the Maryland Cancer Registry, a total of 29,912 Maryland residents were diagnosed with cancer in 2014. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2014, the number of incidence and mortality cases in Wicomico County were:

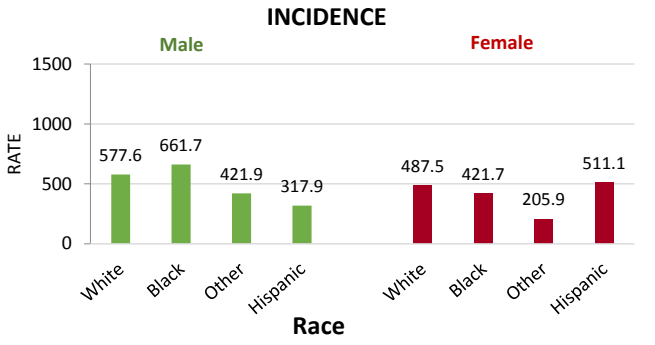
Incidence: 619 new cases of all cancer types **Mortality:** 236 deaths from cancer

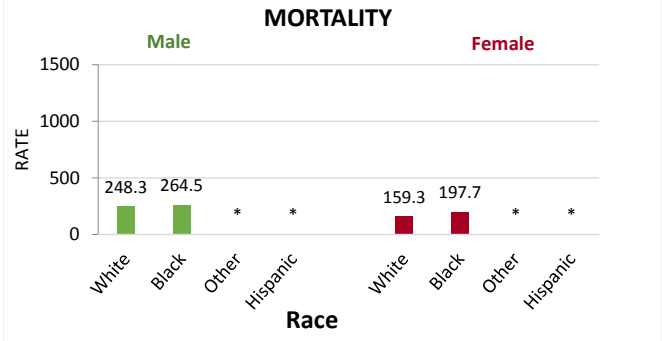
Top 5 Cancers, Based on Incidence and Morality Rates 2010-2014



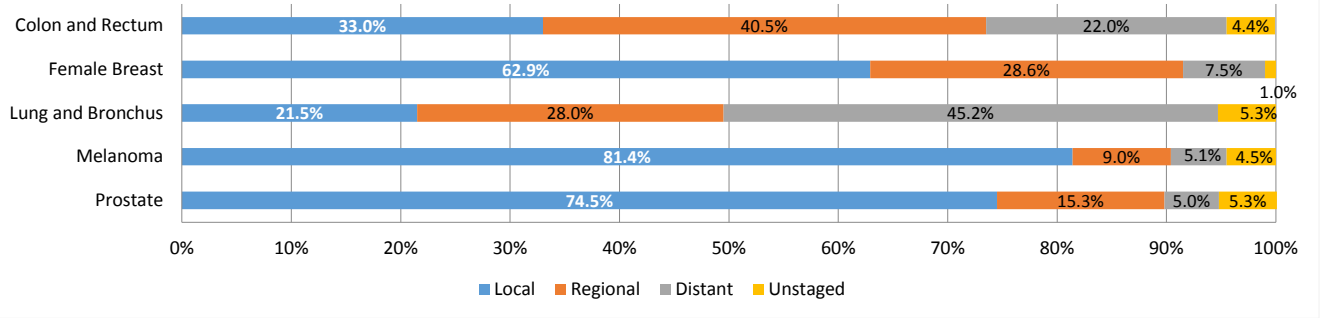


Incidence and Mortality Rates by Race and Gender, 2010-2014





Distribution of Cancer Stage at Diagnosis for Top 5 Cancers (Based on Incidence) 2010-2014



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

Worcester County

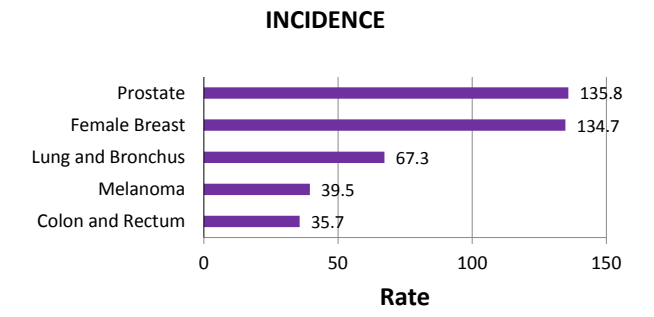
2014 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

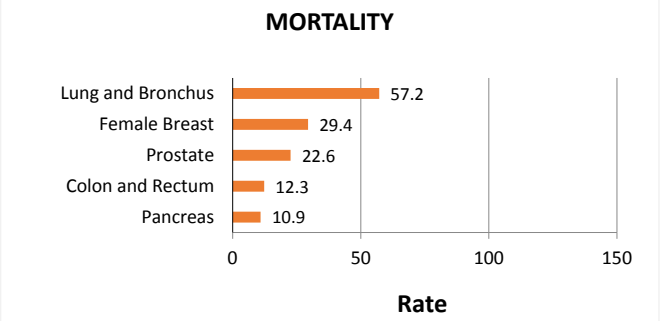
According to the Maryland Cancer Registry, a total of 29,912 Maryland residents were diagnosed with cancer in 2014. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2014, the number of incidence and mortality cases in Worcester County were:

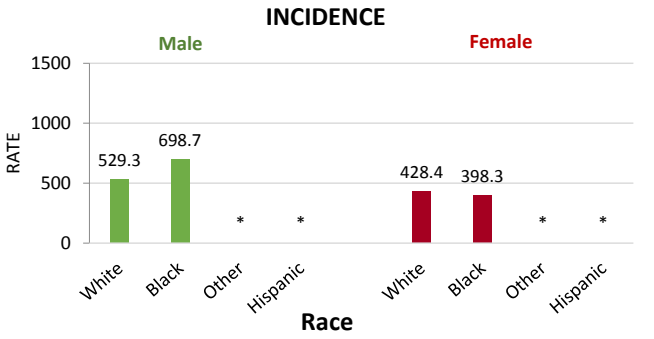
Incidence: 409 new cases of all cancer cases **Mortality:** 149 deaths from cancer

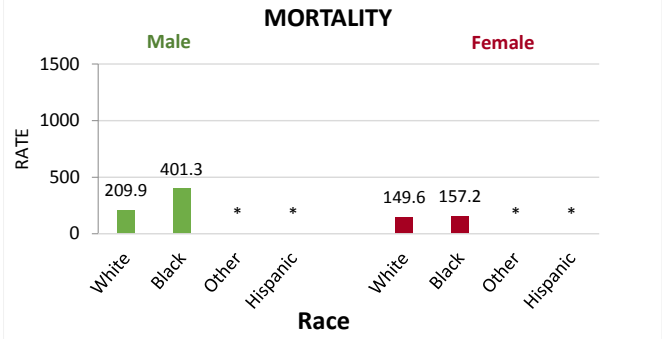
Top 5 Incidence and Morality Cancer Rates, 2010-2014



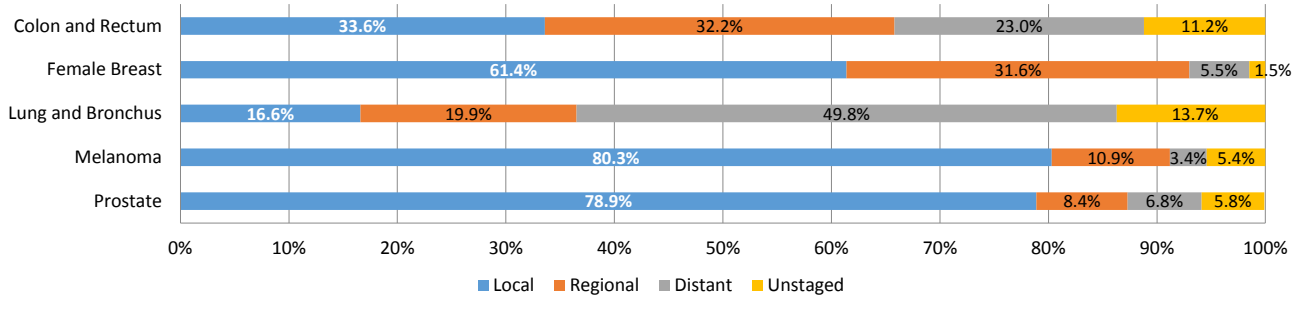


Incidence and Mortality Rates by Race and Gender, 2010-2014





Distribution of Cancer Stage at Diagnosis for Top 5 Cancers (Based on Incidence) 2010-2014



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

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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

- **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.

- **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 2012. Cancer incidence data are also presented in aggregated form, as the average annual incidence for the 5-year period from 2008 through 2012.

- **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 2012. Cancer mortality data are also presented in an aggregated form, as the average annual mortality for the 5-year period from 2008 through 2012.

- **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 could not be classified (often due to insufficient information) or was not reported to the cancer registry.

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