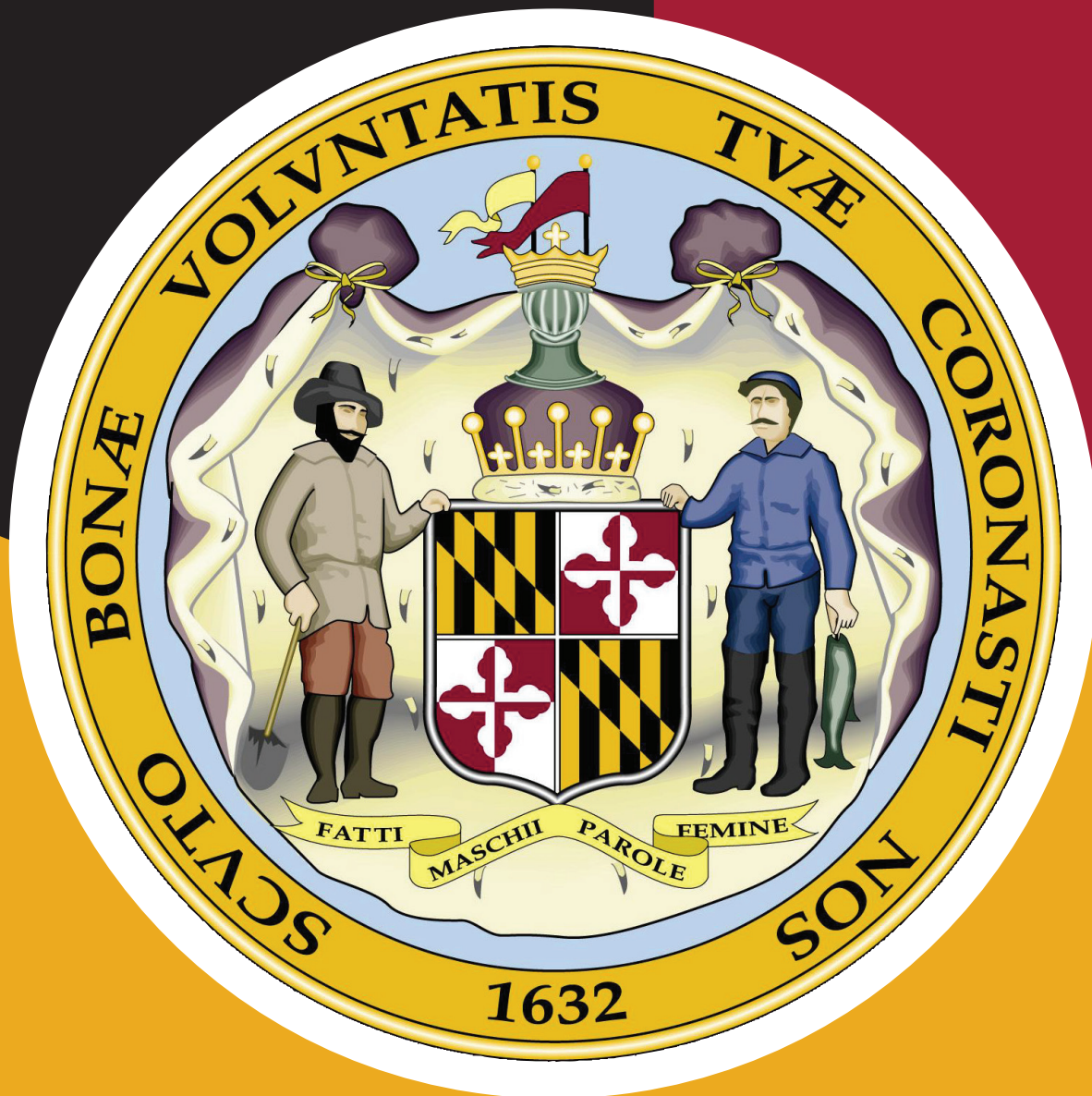


Maryland Department of Health

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Maryland Department of
Health*



Cancer in Maryland: 2016 Incidence and Mortality Report

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Cancer in Maryland: 2016 Incidence and Mortality Report

The seal of the State of Maryland is a circular emblem. It features a central shield with a red cross on a white field and a yellow and black checkered field. Above the shield is a crown. On either side of the shield are two figures: a Native American on the left holding a bow and arrow, and a European on the right holding a sword. The shield is surrounded by a blue border with the Latin motto "SCVTO VOLVNTATIS TVÆ CORONASTI" in gold. Below the shield is a banner with the words "FATTI MASCHII PAROLE FEMINE". At the bottom of the seal is the year "1632".

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

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Maryland Cancer Registry (MCR) Staff

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I. DATA HIGHLIGHTS

Data presented in this report include cancers reported for the year 2016 and are presented as age-adjusted rates and number of cancer cases and deaths by gender and race.

A. Incidence

- A total of 31,079 new cases of invasive cancer were diagnosed among Maryland residents in 2016.
- Most frequently diagnosed cancer by gender:
 - *Males:* **Prostate cancer** was the most frequently diagnosed cancer among Maryland men with a total of 4,259 new cases reported in 2016.
 - *Females:* **Breast cancer** was the most frequently diagnosed cancer among Maryland women with a total of 4,818 new cases reported in 2016.

B. Mortality

- 10,911 Maryland residents died as a result of any type of cancer in 2016, 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 2,639 **lung and bronchus** cancer deaths in 2016. 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:

https://phpa.health.maryland.gov/cancer/Documents/Mortality%20Suppression%20Policy_01062012_FINAL.pdf

II. INTRODUCTION

According to the Maryland Cancer Registry (MCR), a total of 31,079 Maryland residents were diagnosed with cancer in 2016. 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 2016, approximately 595,690 Americans died of cancer (more than 1,632 people a day), and in Maryland, 10,911 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 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 NAACCR. This agreement allows the MCR to conduct interstate data exchanges with registries that have also signed the agreement. As of July 2019, there are **47** registries that are participating in this agreement.

Funding

The MCR first received funding from 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, currently Myriddian, LLC, which collects and processes all cancer reports, and performs data quality assurance and database management.

C. Organization of This Report

This report provides 2016 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 *2016 Incidence and Mortality 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:

https://phpa.health.maryland.gov/cancer/Pages/surv_data-reports.aspx.

III. DATA COLLECTION AND MANAGEMENT

A. Reporting Facilities

This report presents data collected from **46** Maryland hospitals, **12** radiation treatment centers, **31** laboratories, **52** ambulatory surgery centers, **57** physicians, and central cancer registries from **31** 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, 2016 and December 31, 2016. (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, and End Results Program (SEER), the American College of Surgeons, and 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 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 2016 are included in the analysis.

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

ICD-O-3 Codes Used to Derive Incidence Data			ICD-10 Codes Used to Derive Mortality Data
Site	Incidence Topography (Site)	Incidence Histology	CDC Wonder Site Selections
All sites	C00.0-C80.9	Includes all invasive cancers of all sites except 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	C54.0-54.9, 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 2016, MCR's incidence data received NAACCR gold certification for all measures, indicating that data submitted were at least 95% complete. MCR's 2012-2016 incidence data also met NPCR National Data Quality Standard and U.S. Cancer Statistics Publication Standard, making the MCR a Registry of Distinction.

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 quality control/quality assurance 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: https://phpa.health.maryland.gov/cancer/Pages/mcr_regs.aspx.

IV. DATA CHARTS

The data charts in this report present 2016 cancer incidence and mortality by cancer type, gender, and race for the State of Maryland. The County Data Pages contain 2016 counts of incidence and mortality for all cancer sites, 2012-2016 incidence and mortality rates for the top five cancers, the top five cancer incidence and mortality rates by gender and race, and the distribution of the stage at diagnosis for the top five cancers (2012-2016). **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 aggregate.

2016

**Maryland Cancer Incidence Cases by Selected Site,
Race/Ethnicity and Gender**

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

	Both Genders*** 2016											
	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	31,079	443.6	438.6	448.7	21,021	453.0	446.7	459.3	8,307	430.4	420.9	440.2
Brain and Other Central Nervous System	405	6.2	5.6	6.9	316	7.6	6.8	8.5	51	2.8	2.0	3.7
Cervix	215	6.5	5.6	7.4	125	6.3	5.2	7.6	71	6.7	5.2	8.6
Colon and Rectum	2,450	35.4	34.0	36.9	1,621	35.2	33.5	37.0	679	36.3	33.5	39.3
Esophagus	279	3.9	3.5	4.4	212	4.4	3.8	5.1	59	3.3	2.5	4.3
Female Breast (Malignant Only)	4,818	128.9	125.2	132.7	3,053	127.4	122.7	132.2	1,453	131.8	124.9	138.9
Hodgkin Lymphoma	161	2.6	2.2	3.1	98	2.6	2.1	3.2	52	2.7	2.0	3.5
Kidney and Renal Pelvis	1,093	15.7	14.8	16.7	700	15.3	14.2	16.6	335	17.2	15.4	19.3
Larynx	201	2.7	2.3	3.1	144	2.9	2.4	3.4	s	2.8	2.1	3.7
Leukemia	825	12.4	11.5	13.3	585	13.2	12.1	14.3	186	10.2	8.7	11.8
Liver and Intrahepatic Bile Duct	693	9.2	8.5	10.0	387	7.8	7.1	8.7	256	12.0	10.5	13.7
Lung and Bronchus	3,803	54.0	52.2	55.7	2,728	57.0	54.8	59.2	941	50.4	47.1	53.9
Melanoma	1,649	24.1	23.0	25.4	1,593	35.5	33.7	37.4	17	0.8	0.5	1.4
Multiple Myeloma	549	7.8	7.1	8.5	280	5.9	5.2	6.7	250	13.5	11.8	15.4
Myelodysplastic Syndrome	219	3.2	2.8	3.7	178	3.7	3.1	4.3	30	1.9	1.3	2.7
Non-Hodgkin Lymphoma	1,232	18.0	17.0	19.1	897	19.4	18.1	20.8	258	13.5	11.9	15.4
Oral Cavity and Pharynx	780	10.8	10.1	11.6	595	12.5	11.5	13.6	153	7.8	6.6	9.2
Ovary	397	10.7	9.7	11.9	264	11.3	9.9	12.8	96	8.7	7.0	10.7
Pancreas	958	13.7	12.8	14.6	623	13.2	12.1	14.3	289	15.7	13.8	17.7
Prostate	4,259	124.6	120.7	128.5	2,480	105.8	101.5	110.1	1,573	181.8	172.4	191.6
Stomach	478	6.9	6.3	7.6	240	5.2	4.6	6.0	150	8.0	6.7	9.5
Testis	123	4.3	3.6	5.2	103	6.0	4.9	7.3	10	**	**	**
Thyroid	883	13.8	12.8	14.7	599	15.2	13.9	16.5	183	9.4	8.1	10.9
Urinary Bladder	1,245	18.1	17.1	19.1	979	20.6	19.3	21.9	222	12.7	11.0	14.5
Uterus	1,093	27.7	26.0	29.4	707	28.2	26.1	30.4	307	26.3	23.4	29.6

*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

Source: Data as of December 21, 2018 Maryland Cancer Registry

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

	Both Genders*** 2016							
	Other****				Hispanic Ethnicity (of Any Race)			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	1,295	286.1	270.4	302.6	1,025	292.2	272.5	312.9
Brain and Other Central Nervous System	28	5.7	3.8	8.3	25	4.5	2.9	6.9
Cervix	12	**	**	**	23	9.8	6.1	15.0
Colon and Rectum	112	24.7	20.2	29.8	84	24.9	19.3	31.5
Esophagus	6	**	**	**	7	**	**	**
Female Breast (Malignant Only)	237	92.9	81.3	105.8	182	92.8	79.0	108.1
Hodgkin Lymphoma	6	**	**	**	<6	**	**	**
Kidney and Renal Pelvis	41	8.9	6.3	12.2	48	13.4	9.6	18.2
Larynx	<6	**	**	**	<6	**	**	**
Leukemia	35	7.9	5.4	11.0	35	7.4	4.7	10.9
Liver and Intrahepatic Bile Duct	43	9.3	6.6	12.6	35	12.4	8.4	17.5
Lung and Bronchus	120	28.7	23.6	34.4	54	18.3	13.4	24.2
Melanoma	7	**	**	**	15	**	**	**
Multiple Myeloma	13	**	**	**	17	4.9	2.7	8.1
Myelodysplastic Syndrome	9	**	**	**	<6	**	**	**
Non-Hodgkin Lymphoma	54	12.3	9.2	16.1	57	16.0	11.6	21.3
Oral Cavity and Pharynx	28	5.9	3.9	8.6	17	4.9	2.8	8.1
Ovary	29	11.4	7.6	16.5	19	8.6	5.0	13.7
Pancreas	38	9.4	6.6	12.9	26	8.8	5.5	13.3
Prostate	138	65.5	54.8	77.8	107	81.7	64.9	101.0
Stomach	69	15.5	11.9	19.7	48	14.0	9.9	19.1
Testis	<6	**	**	**	8	**	**	**
Thyroid	83	17.1	13.6	21.3	54	11.4	8.3	15.3
Urinary Bladder	37	9.2	6.4	12.7	30	12.2	8.0	17.6
Uterus	55	21.4	16.1	28.1	50	24.8	18.0	33.2

*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

****Other includes Asian Pacific Islander, American Indian and Alaskan Native, does not include unspecified and unknown races

Source: Data as of December 21, 2018 Maryland Cancer Registry

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

	Male 2016											
	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	15,307	481.6	473.8	489.6	10,499	483.8	474.3	493.4	4,030	496.2	480.0	512.8
Brain and Other Central Nervous System	228	7.6	6.7	8.7	170	8.8	7.5	10.2	31	4.0	2.6	5.8
Colon and Rectum	1,205	38.4	36.2	40.7	790	36.9	34.3	39.7	338	43.0	38.2	48.2
Esophagus	215	6.8	5.9	7.8	169	7.6	6.5	8.9	40	5.9	4.1	8.1
Hodgkin Lymphoma	85	2.8	2.2	3.5	54	2.8	2.1	3.7	26	2.8	1.8	4.2
Kidney and Renal Pelvis	671	21.0	19.4	22.7	439	20.3	18.4	22.3	195	23.7	20.3	27.5
Larynx	168	5.0	4.2	5.8	121	5.2	4.3	6.3	s	5.5	3.9	7.5
Leukemia	473	15.8	14.3	17.3	357	17.3	15.5	19.3	89	11.7	9.3	14.5
Liver and Intrahepatic Bile Duct	482	13.9	12.6	15.2	274	11.8	10.4	13.4	183	19.9	17.0	23.2
Lung and Bronchus	1,858	59.9	57.1	62.8	1,332	61.3	58.0	64.8	446	59.1	53.3	65.2
Melanoma	954	31.6	29.6	33.7	929	44.5	41.6	47.6	10	**	**	**
Multiple Myeloma	301	9.9	8.7	11.1	163	7.8	6.6	9.1	127	16.9	13.9	20.3
Myelodysplastic Syndrome	122	4.4	3.6	5.3	100	4.9	4.0	6.0	15	**	**	**
Non-Hodgkin Lymphoma	655	21.5	19.8	23.3	496	23.6	21.5	25.9	123	14.8	12.2	17.8
Oral Cavity and Pharynx	564	17.0	15.6	18.5	443	19.7	17.8	21.7	100	12.3	9.8	15.1
Pancreas	486	15.5	14.1	17.0	327	15.1	13.5	16.9	136	17.7	14.6	21.2
Prostate	4,259	124.6	120.7	128.5	2,480	105.8	101.5	110.1	1,573	181.8	172.4	191.6
Stomach	270	8.9	7.8	10.1	144	7.0	5.8	8.2	74	10.3	7.9	13.1
Testis	123	4.3	3.6	5.2	103	6.0	4.9	7.3	10	**	**	**
Thyroid	224	7.2	6.3	8.3	159	7.9	6.6	9.2	39	4.7	3.3	6.5
Urinary Bladder	909	30.9	28.9	33.1	742	35.5	33.0	38.2	137	19.3	16.0	23.0

*All Races include other specified, unspecified and unknown race

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

Source: Data as of December 21, 2018 Maryland Cancer Registry

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

	Male 2016							
	Other****				Hispanic Ethnicity (of Any Race)			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	562	278.9	255.5	303.7	453	305.5	273.0	340.4
Brain and Other Central Nervous System	17	7.3	4.2	11.8	18	6.5	3.7	11.0
Colon and Rectum	59	27.6	20.9	35.9	44	29.3	20.0	41.1
Esophagus	<6	**	**	**	5	**	**	**
Hodgkin Lymphoma	<6	**	**	**	0	0.0	0.0	0.0
Kidney and Renal Pelvis	25	11.5	7.3	17.1	28	18.8	11.5	28.6
Larynx	<6	**	**	**	<6	**	**	**
Leukemia	18	9.5	5.5	15.2	18	7.7	3.7	13.9
Liver and Intrahepatic Bile Duct	22	9.9	6.2	15.2	20	15.0	8.5	24.1
Lung and Bronchus	71	39.6	30.6	50.2	25	18.1	11.1	27.6
Melanoma	<6	**	**	**	10	**	**	**
Multiple Myeloma	7	**	**	**	7	**	**	**
Myelodysplastic Syndrome	6	**	**	**	<6	**	**	**
Non-Hodgkin Lymphoma	25	12.3	7.9	18.4	40	23.2	15.4	33.3
Oral Cavity and Pharynx	19	8.6	5.1	13.7	12	**	**	**
Pancreas	18	10.1	5.8	16.0	8	**	**	**
Prostate	138	65.5	54.8	77.8	107	81.7	64.9	101.0
Stomach	39	19.7	13.8	27.2	27	15.5	9.5	23.7
Testis	<6	**	**	**	8	**	**	**
Thyroid	20	9.4	5.6	14.6	8	**	**	**
Urinary Bladder	27	15.3	9.9	22.3	20	19.4	11.1	30.7

*All Races include other specified, unspecified and unknown race

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

****Other includes Asian Pacific Islander, American Indian and Alaskan Native, does not include unspecified and unknown races

Source: Data as of December 21, 2018 Maryland Cancer Registry

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

	Female 2016											
	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	15,765	419.1	412.4	425.9	10,519	434.5	425.9	443.3	4,274	389.1	377.2	401.3
Brain and Other Central Nervous System	177	5.0	4.2	5.8	146	6.5	5.4	7.7	20	1.9	1.1	3.0
Cervix	215	6.5	5.6	7.4	125	6.3	5.2	7.6	71	6.7	5.2	8.6
Colon and Rectum	1,243	32.9	31.1	34.8	830	33.8	31.4	36.3	340	31.4	28.1	35.1
Esophagus	64	1.7	1.3	2.1	43	1.7	1.2	2.3	19	1.7	1.0	2.7
Female Breast (Malignant Only)	4,818	128.9	125.2	132.7	3,053	127.4	122.7	132.2	1,453	131.8	124.9	138.9
Hodgkin Lymphoma	76	2.5	2.0	3.1	44	2.5	1.8	3.4	26	2.5	1.6	3.7
Kidney and Renal Pelvis	422	11.3	10.2	12.5	261	11.0	9.6	12.5	140	12.6	10.6	15.0
Larynx	33	0.8	0.6	1.2	23	0.9	0.5	1.4	10	**	**	**
Leukemia	351	9.7	8.7	10.8	228	9.7	8.4	11.1	97	9.1	7.4	11.2
Liver and Intrahepatic Bile Duct	211	5.3	4.6	6.0	113	4.3	3.5	5.2	73	6.2	4.8	7.9
Lung and Bronchus	1,945	49.6	47.4	51.9	1,396	53.8	50.9	56.8	495	44.8	40.8	49.1
Melanoma	695	18.8	17.4	20.3	664	28.8	26.6	31.2	7	**	**	**
Multiple Myeloma	248	6.2	5.5	7.1	117	4.6	3.7	5.5	123	11.1	9.2	13.4
Myelodysplastic Syndrome	96	2.4	1.9	2.9	77	2.7	2.2	3.5	15	**	**	**
Non-Hodgkin Lymphoma	577	15.3	14.1	16.7	401	16.1	14.5	17.8	135	12.4	10.3	14.7
Oral Cavity and Pharynx	216	5.7	4.9	6.5	152	6.1	5.1	7.2	53	4.8	3.6	6.3
Ovary	397	10.7	9.7	11.9	264	11.3	9.9	12.8	96	8.7	7.0	10.7
Pancreas	472	12.3	11.2	13.4	296	11.5	10.2	12.9	153	14.4	12.1	16.9
Stomach	208	5.4	4.7	6.2	96	3.8	3.0	4.7	76	6.7	5.3	8.5
Thyroid	659	19.9	18.4	21.5	440	22.5	20.3	24.8	144	13.3	11.1	15.7
Urinary Bladder	336	8.6	7.7	9.7	237	9.1	7.9	10.3	85	8.3	6.5	10.3
Uterus	1,093	27.7	26.0	29.4	707	28.2	26.1	30.4	307	26.3	23.4	29.6

*All Races include other specified, unspecified and unknown race

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

Source: Data as of December 21, 2018 Maryland Cancer Registry

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

	Female 2016							
	Other****				Hispanic Ethnicity (of Any Race)			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	732	294.2	272.9	316.9	572	295.1	269.7	322.0
Brain and Other Central Nervous System	11	**	**	**	7	**	**	**
Cervix	12	**	**	**	23	9.8	6.1	15.0
Colon and Rectum	53	22.0	16.4	29.0	40	21.8	15.2	30.2
Esophagus	<6	**	**	**	<6	**	**	**
Female Breast (Malignant Only)	237	92.9	81.3	105.8	182	92.8	79.0	108.1
Hodgkin Lymphoma	<6	**	**	**	<6	**	**	**
Kidney and Renal Pelvis	16	6.7	3.8	11.0	20	9.9	5.9	15.7
Larynx	0	0.0	0.0	0.0	0	0.0	0.0	0.0
Leukemia	16	6.2	3.5	10.1	17	7.2	3.9	12.2
Liver and Intrahepatic Bile Duct	21	8.7	5.3	13.4	15	**	**	**
Lung and Bronchus	49	20.0	14.7	26.7	29	17.9	11.7	25.9
Melanoma	<6	**	**	**	<6	**	**	**
Multiple Myeloma	6	**	**	**	10	**	**	**
Myelodysplastic Syndrome	<6	**	**	**	0	0.0	0.0	0.0
Non-Hodgkin Lymphoma	29	12.3	8.2	17.8	17	9.6	5.2	15.7
Oral Cavity and Pharynx	9	**	**	**	<6	**	**	**
Ovary	29	11.4	7.6	16.5	19	8.6	5.0	13.7
Pancreas	20	9.0	5.4	14.0	18	11.6	6.6	18.6
Stomach	30	12.2	8.1	17.6	21	11.9	7.1	18.6
Thyroid	63	24.1	18.5	30.9	46	18.9	13.6	25.6
Urinary Bladder	10	**	**	**	10	**	**	**
Uterus	55	21.4	16.1	28.1	50	24.8	18.0	33.2

*All Races include other specified, unspecified and unknown race

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

****Other includes Asian Pacific Islander, American Indian and Alaskan Native, does not include unspecified and unknown races

Source: Data as of December 21, 2018 Maryland Cancer Registry

2016

**Maryland Cancer Mortality Cases by Selected Site,
Race/Ethnicity, and Gender**

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

	Both Genders 2016											
	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	10,911	156.5	153.5	159.5	7,392	154.7	151.1	158.3	3,174	176.2	169.8	182.6
Brain and Other Central Nervous System	266	3.9	3.4	4.4	215	4.8	4.1	5.4	39	2.1	1.5	2.9
Cervix	76	2.0	1.6	2.6	40	1.7	1.2	2.4	s	2.8	1.9	4.0
Colon and Rectum	949	13.8	12.9	14.7	619	13.1	12.1	14.2	301	16.4	14.5	18.4
Esophagus	276	3.9	3.4	4.4	211	4.4	3.8	5.0	s	3.3	2.5	4.3
Female Breast (Malignant Only)	829	21.3	19.8	22.8	498	19.0	17.3	20.8	302	27.8	24.6	31.0
Hodgkin Lymphoma	17	**	**	**	12	**	**	**	<10	**	**	**
Kidney and Renal Pelvis	227	3.2	2.8	3.6	157	3.3	2.8	3.8	s	3.1	2.3	4.0
Larynx	74	1.0	0.8	1.3	46	0.9	0.7	1.3	s	1.4	0.9	2.1
Leukemia	393	5.8	5.2	6.4	295	6.3	5.6	7.1	85	5.0	3.9	6.2
Liver and Intrahepatic Bile Duct	451	6.1	5.5	6.7	273	5.5	4.8	6.2	153	7.4	6.2	8.6
Lung and Bronchus	2,639	37.5	36.1	39.0	1,889	39.3	37.5	41.1	684	37.7	34.7	40.6
Melanoma	140	2.1	1.7	2.4	136	3.0	2.4	3.5	<10	**	**	**
Multiple Myeloma	316	4.6	4.1	5.1	184	3.9	3.3	4.4	s	7.4	6.1	8.8
Non-Hodgkin Lymphoma	332	4.9	4.4	5.5	255	5.4	4.7	6.1	62	3.6	2.7	4.6
Oral Cavity and Pharynx	216	3.0	2.6	3.4	140	2.9	2.4	3.4	66	3.6	2.7	4.6
Ovary	274	6.9	6.0	7.7	186	7.0	6.0	8.0	76	7.0	5.5	8.8
Pancreas	783	11.2	10.4	12.0	529	11.0	10.0	11.9	230	12.9	11.1	14.6
Prostate	558	20.6	18.9	22.3	315	16.1	14.3	17.9	s	40.6	35.1	46.1
Stomach	196	2.8	2.4	3.2	103	2.2	1.7	2.6	71	3.9	3.0	5.0
Urinary Bladder	293	4.3	3.8	4.8	214	4.4	3.8	5.0	s	4.5	3.5	5.7
Uterus	237	5.9	5.1	6.7	132	4.9	4.0	5.8	s	9.2	7.4	11.0

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

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

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

Source: CDC Wonder as of February 22, 2019

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

	Both Genders 2016							
	Other***				Hispanic Ethnicity (of Any Race)			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	345	83.0	74.0	92.0	215	72.4	61.7	83.0
Brain and Other Central Nervous System	12	**	**	**	<10	**	**	**
Cervix	<10	**	**	**	<10	**	**	**
Colon and Rectum	29	6.9	4.6	10.0	17	**	**	**
Esophagus	<10	**	**	**	<10	**	**	**
Female Breast (Malignant Only)	29	12.0	8.0	17.4	20	10.1	6.0	16.0
Hodgkin Lymphoma	<10	**	**	**	<10	**	**	**
Kidney and Renal Pelvis	<10	**	**	**	<10	**	**	**
Larynx	<10	**	**	**	<10	**	**	**
Leukemia	13	**	**	**	12	**	**	**
Liver and Intrahepatic Bile Duct	25	6.1	3.9	9.1	17	**	**	**
Lung and Bronchus	66	16.4	12.6	21.1	31	12.2	8.1	17.7
Melanoma	<10	**	**	**	<10	**	**	**
Multiple Myeloma	<10	**	**	**	<10	**	**	**
Non-Hodgkin Lymphoma	15	**	**	**	11	**	**	**
Oral Cavity and Pharynx	10	**	**	**	<10	**	**	**
Ovary	12	**	**	**	<10	**	**	**
Pancreas	24	5.8	3.7	8.7	18	**	**	**
Prostate	<10	**	**	**	10	**	**	**
Stomach	22	5.1	3.2	7.9	13	**	**	**
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 as of February 22, 2019

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

	Male 2016											
	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	5,472	183.2	178.2	188.2	3,742	178.5	172.6	184.3	1,570	223.7	211.8	235.5
Brain and Other Central Nervous System	140	4.5	3.7	5.3	111	5.2	4.2	6.2	s	2.8	1.7	4.4
Colon and Rectum	488	16.2	14.7	17.7	318	15.3	13.5	17.0	158	20.7	17.2	24.2
Esophagus	204	6.7	5.8	7.7	155	7.2	6.1	8.4	s	6.7	4.8	9.2
Hodgkin Lymphoma	<10	**	**	**	<10	**	**	**	<10	**	**	**
Kidney and Renal Pelvis	152	4.7	4.0	5.5	106	4.8	3.9	5.8	s	4.9	3.4	6.8
Larynx	57	1.8	1.4	2.4	38	1.8	1.2	2.4	s	**	**	**
Leukemia	209	7.4	6.4	8.4	160	8.0	6.7	9.3	s	6.6	4.7	9.2
Liver and Intrahepatic Bile Duct	311	9.2	8.1	10.2	190	8.3	7.1	9.5	106	11.6	9.3	14.0
Lung and Bronchus	1,375	45.3	42.9	47.8	974	45.8	42.8	48.7	363	50.0	44.5	55.5
Melanoma	101	3.5	2.8	4.2	98	4.8	3.9	5.9	<10	**	**	**
Multiple Myeloma	176	6.2	5.2	7.1	97	4.8	3.8	5.8	s	12.1	9.4	15.4
Non-Hodgkin Lymphoma	182	6.4	5.5	7.4	139	6.9	5.7	8.0	s	5.0	3.4	7.1
Oral Cavity and Pharynx	146	4.6	3.8	5.4	94	4.3	3.4	5.3	s	5.8	4.1	8.0
Pancreas	398	13.1	11.8	14.5	272	12.8	11.3	14.4	114	15.9	12.8	19.0
Prostate	558	20.6	18.9	22.3	315	16.1	14.3	17.9	s	40.6	35.1	46.1
Stomach	108	3.6	2.9	4.3	53	2.5	1.9	3.3	s	5.9	4.1	8.1
Urinary Bladder	195	7.0	6.0	8.0	148	7.3	6.1	8.5	s	7.0	5.0	9.5

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

Source: CDC Wonder as of February 22, 2019

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

	Male 2016							
	Other***				Hispanic Ethnicity (of Any Race)			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	160	85.4	71.6	99.1	101	83.6	64.8	102.3
Brain and Other Central Nervous System	<10	**	**	**	<10	**	**	**
Colon and Rectum	12	**	**	**	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	15	**	**	**	s	**	**	**
Lung and Bronchus	38	21.1	14.7	29.3	20	19.4	11.5	30.7
Melanoma	<10	**	**	**	<10	**	**	**
Multiple Myeloma	<10	**	**	**	<10	**	**	**
Non-Hodgkin Lymphoma	<10	**	**	**	<10	**	**	**
Oral Cavity and Pharynx	<10	**	**	**	<10	**	**	**
Pancreas	12	**	**	**	<10	**	**	**
Prostate	<10	**	**	**	10	**	**	**
Stomach	s	**	**	**	<10	**	**	**
Urinary Bladder	<10	**	**	**	<10	**	**	**

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

<10 = case counts of 0-9 are suppressed per 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 as of February 22, 2019

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

	Female 2016											
	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	5,439	138.4	134.6	142.2	3,650	137.9	133.3	142.5	1,604	149.0	141.5	156.5
Brain and Other Central Nervous System	126	3.5	2.8	4.1	104	4.4	3.5	5.3	s	**	**	**
Cervix	76	2.0	1.6	2.6	40	1.7	1.2	2.4	s	2.8	1.9	4.0
Colon and Rectum	461	11.8	10.7	12.9	301	11.4	10.1	12.7	143	13.4	11.2	15.7
Esophagus	72	1.8	1.4	2.3	56	2.1	1.6	2.7	s	**	**	**
Female Breast (Malignant Only)	829	21.3	19.8	22.8	498	19.0	17.3	20.8	302	27.8	24.6	31.0
Hodgkin Lymphoma	<10	**	**	**	<10	**	**	**	<10	**	**	**
Kidney and Renal Pelvis	75	2.0	1.5	2.5	51	2.0	1.5	2.6	s	1.9	1.1	2.9
Larynx	17	**	**	**	<10	**	**	**	<10	**	**	**
Leukemia	184	4.7	4.0	5.4	135	5.1	4.2	6.1	s	4.1	3.0	5.6
Liver and Intrahepatic Bile Duct	140	3.5	2.9	4.1	83	3.1	2.4	3.8	47	4.2	3.1	5.7
Lung and Bronchus	1,264	31.8	30.0	33.6	915	34.4	32.2	36.7	321	29.7	26.3	33.0
Melanoma	39	1.0	0.7	1.4	38	1.5	1.0	2.1	<10	**	**	**
Multiple Myeloma	140	3.5	2.9	4.1	87	3.2	2.6	4.0	s	4.6	3.3	6.1
Non-Hodgkin Lymphoma	150	3.9	3.2	4.5	116	4.3	3.5	5.1	s	2.5	1.6	3.7
Oral Cavity and Pharynx	70	1.7	1.4	2.2	46	1.7	1.2	2.3	s	2.0	1.3	3.1
Ovary	274	6.9	6.0	7.7	186	7.0	6.0	8.0	76	7.0	5.5	8.8
Pancreas	385	9.8	8.8	10.7	257	9.6	8.4	10.8	116	11.0	9.0	13.1
Stomach	88	2.3	1.8	2.8	50	1.9	1.4	2.5	s	2.7	1.8	3.9
Urinary Bladder	98	2.5	2.0	3.1	66	2.4	1.8	3.1	s	3.0	2.0	4.3
Uterus	237	5.9	5.1	6.7	132	4.9	4.0	5.8	s	9.2	7.4	11.0

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

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

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

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

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

Source: CDC Wonder as of February 22, 2019

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

	Female 2016							
	Other***				Hispanic Ethnicity (of Any Race)			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	185	81.2	69.3	93.2	114	66.4	53.4	79.3
Brain and Other Central Nervous System	<10	**	**	**	<10	**	**	**
Cervix	<10	**	**	**	<10	**	**	**
Colon and Rectum	17	**	**	**	<10	**	**	**
Esophagus	<10	**	**	**	<10	**	**	**
Female Breast (Malignant Only)	29	12.0	8.0	17.4	20	10.1	6.0	16.0
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	28	12.6	8.3	18.4	11	**	**	**
Melanoma	<10	**	**	**	<10	**	**	**
Multiple Myeloma	<10	**	**	**	<10	**	**	**
Non-Hodgkin Lymphoma	<10	**	**	**	<10	**	**	**
Oral Cavity and Pharynx	<10	**	**	**	<10	**	**	**
Ovary	12	**	**	**	<10	**	**	**
Pancreas	12	**	**	**	s	**	**	**
Stomach	<10	**	**	**	s	**	**	**
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 as of February 22, 2019

2016 Maryland Incidence and Mortality Selected Facts (Maryland and by County)

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Maryland



2016 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

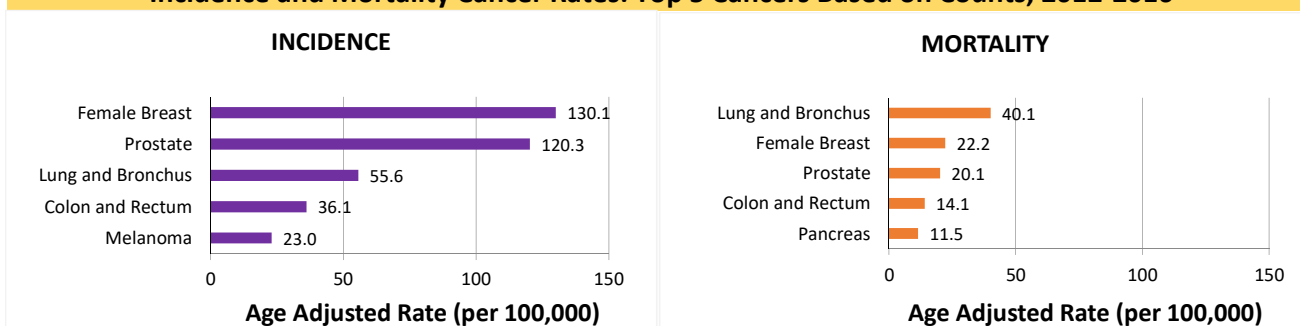
Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2016, the number of incidence and mortality cases in Maryland were:

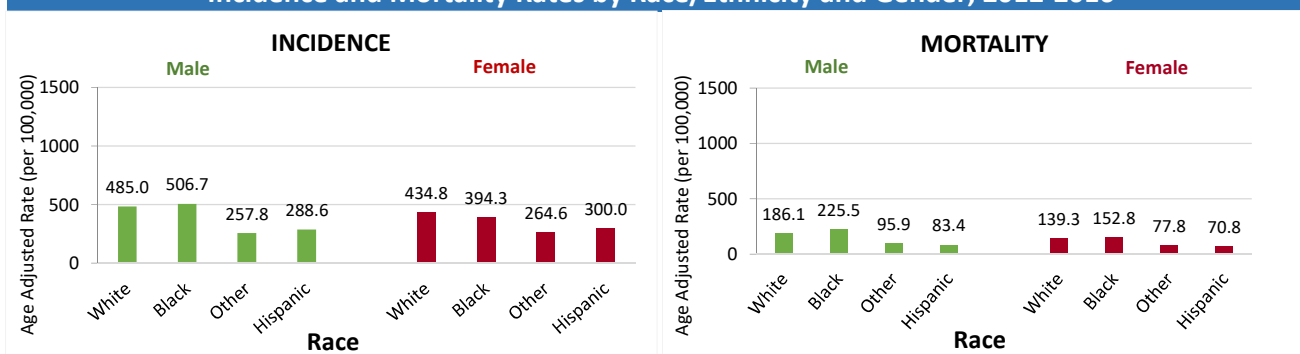
Incidence: 31,079 new cases of all cancer cases

Mortality: 10,911 deaths from cancer

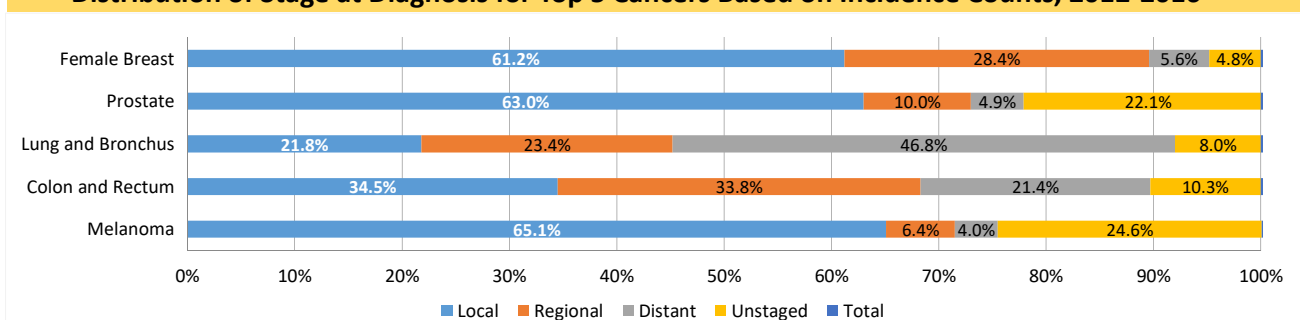
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2012-2016



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2012-2016



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2012-2016**



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 cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

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

** Percentages for cancer staging may not total 100% due to rounding

Allegany County



2016 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

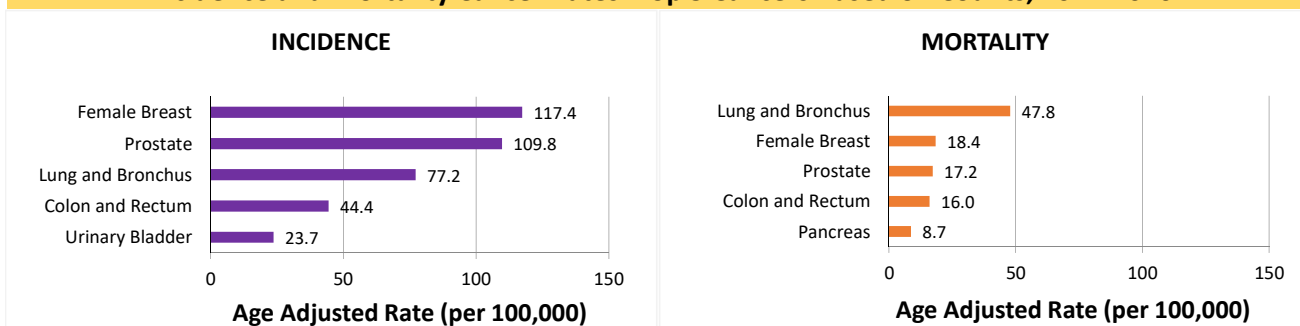
According to the Maryland Cancer Registry, a total of 31,079 Maryland residents were diagnosed with cancer in 2016. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2016, the number of incidence and mortality cases in Allegany County were:

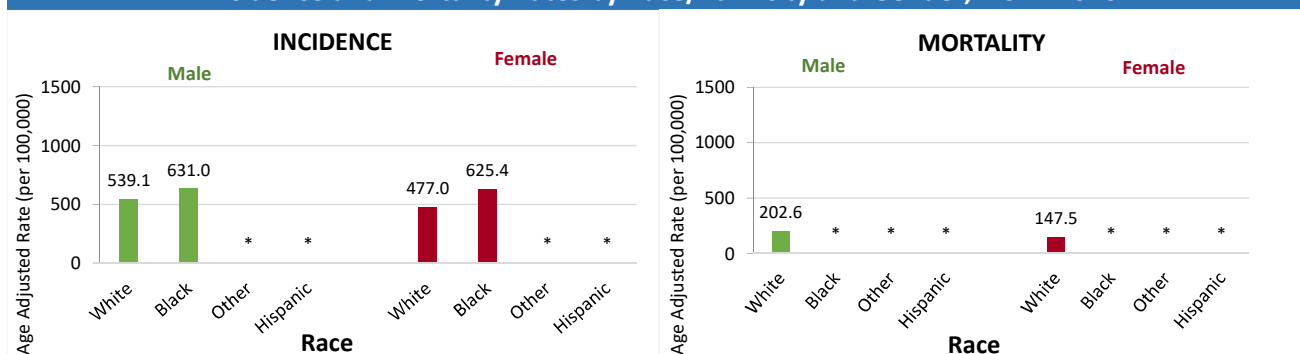
Incidence: 522 new cases of all cancer cases

Mortality: 176 deaths from cancer

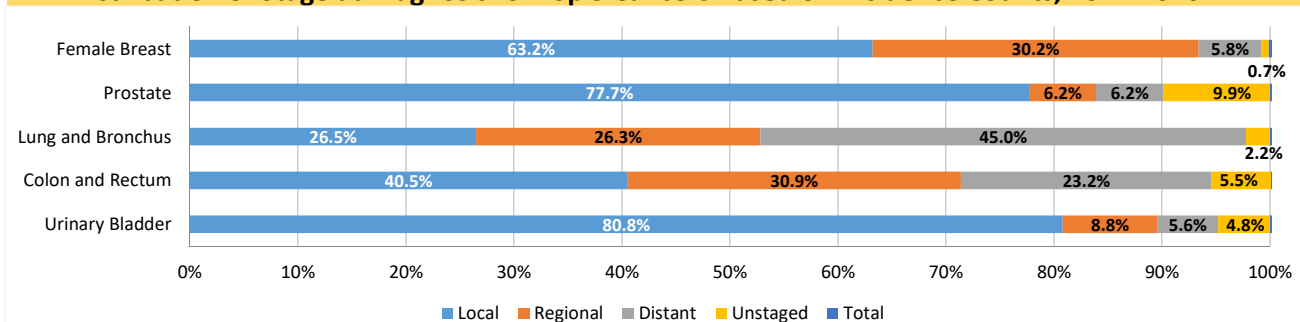
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2012-2016



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2012-2016



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2012-2016**



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 cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

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

**Percentages for cancer staging may not total 100% due to rounding

Anne Arundel County



2016 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

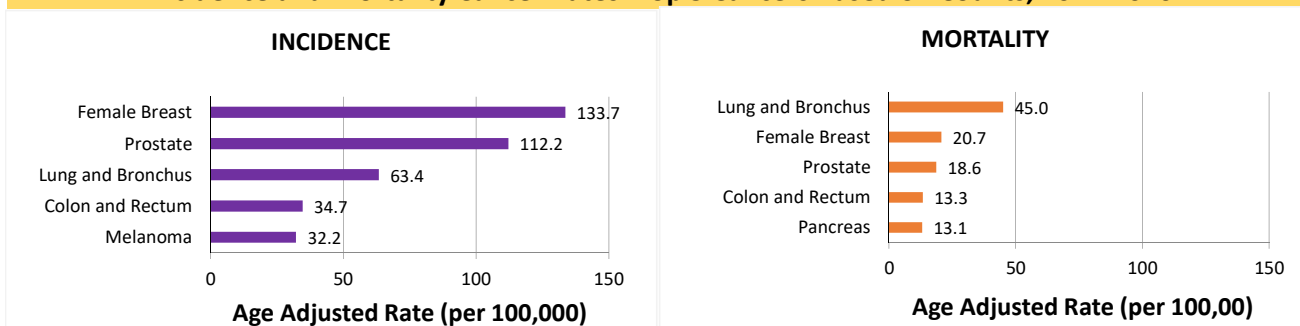
According to the Maryland Cancer Registry, a total of 31,079 Maryland residents were diagnosed with cancer in 2016. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2016, the number of incidence and mortality cases in Anne Arundel County were:

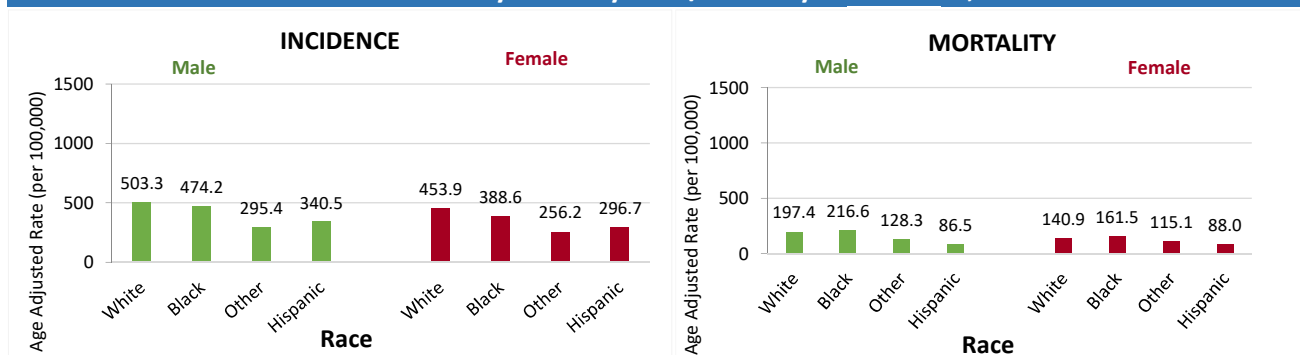
Incidence: 2,977 new cases of all cancer cases

Mortality: 992 deaths from cancer

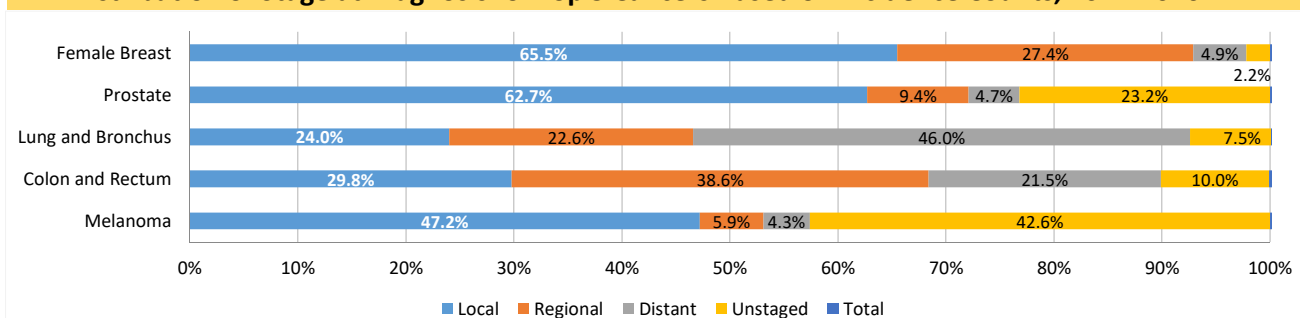
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2012-2016



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2012-2016



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2012-2016**



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 cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

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**Percentages for cancer staging may not total 100% due to rounding

Baltimore City



2016 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

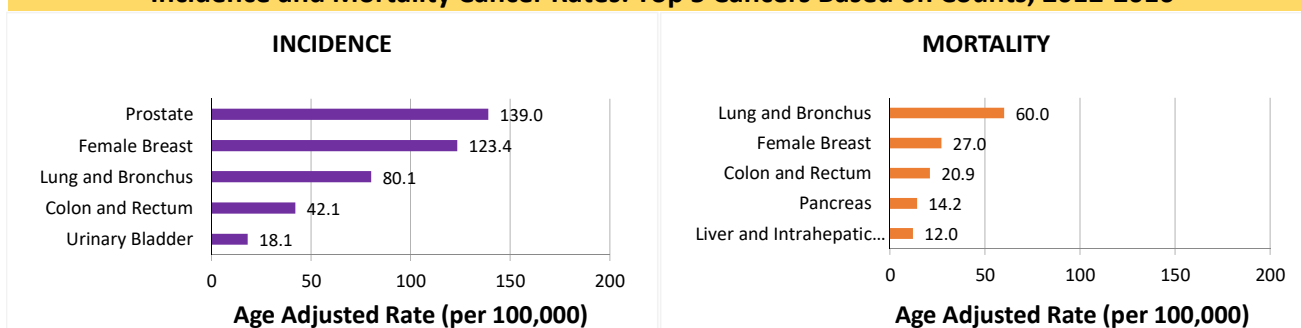
According to the Maryland Cancer Registry, a total of 31,079 Maryland residents were diagnosed with cancer in 2016. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2016, the number of incidence and mortality cases in Baltimore City were:

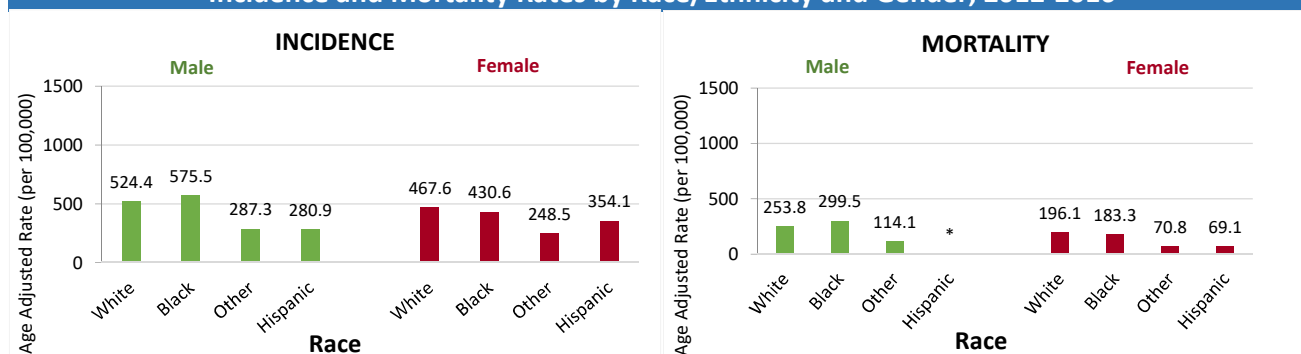
Incidence: 3,275 new cases of all cancer cases

Mortality: 1,363 deaths from cancer

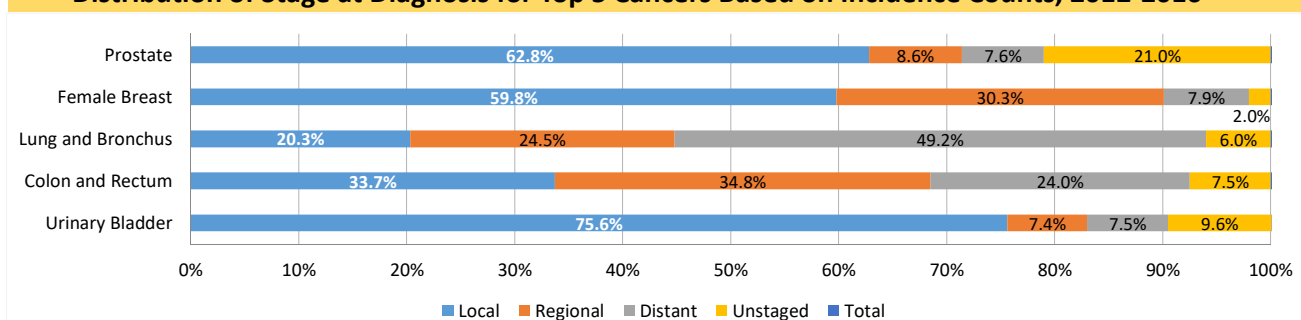
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2012-2016



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2012-2016



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2012-2016**



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 cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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**Percentages for cancer staging may not total 100% due to rounding

Baltimore County



2016 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

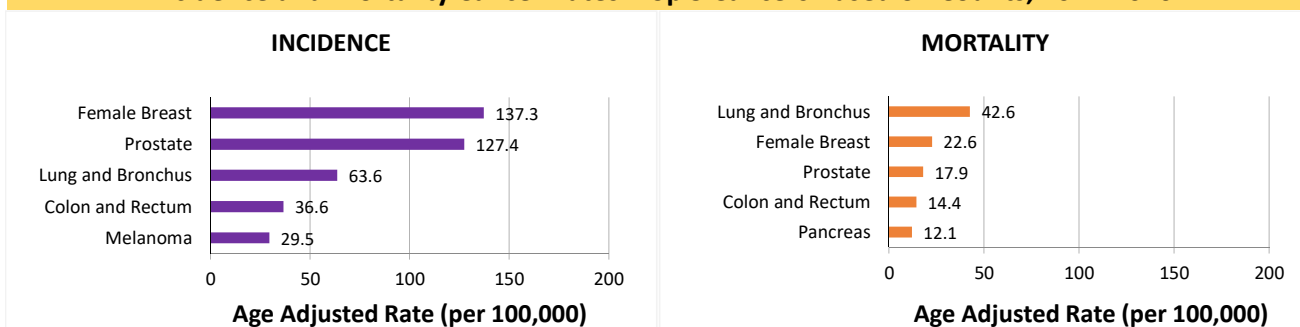
According to the Maryland Cancer Registry, a total of 31,079 Maryland residents were diagnosed with cancer in 2016. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2016, the number of incidence and mortality cases in Baltimore County were:

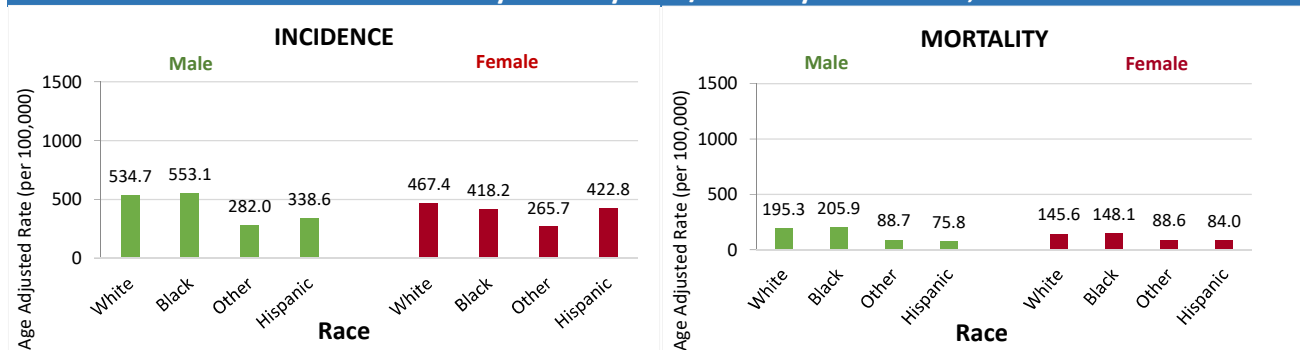
Incidence: 4,866 new cases of all cancer cases

Mortality: 1,862 deaths from cancer

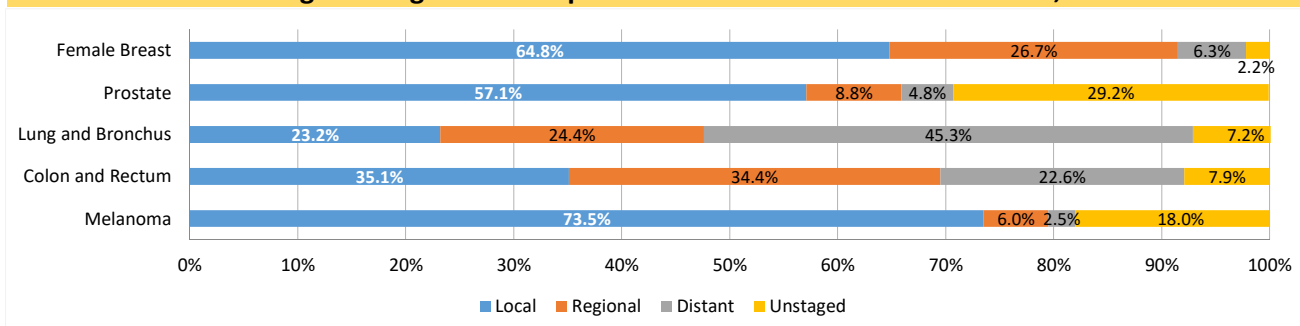
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2012-2016



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2012-2016



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2012-2016**



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 cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

**Percentages for cancer staging may not total 100% due to rounding



2016 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

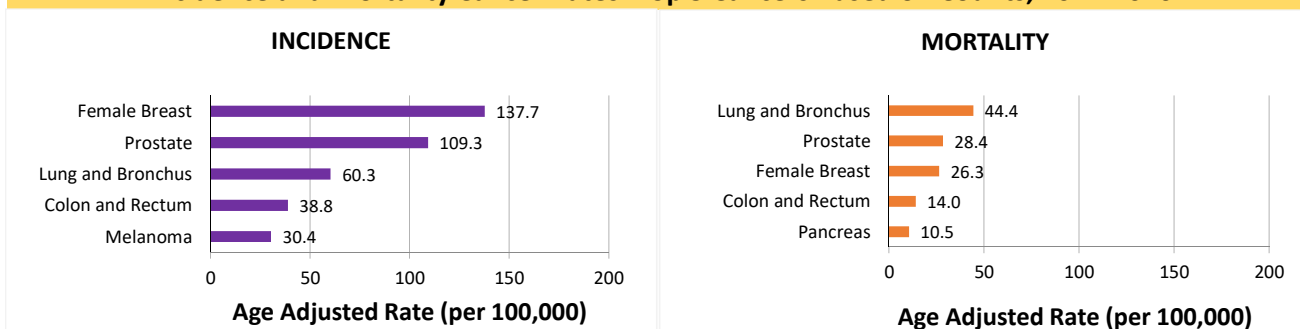
According to the Maryland Cancer Registry, a total of 31,079 Maryland residents were diagnosed with cancer in 2016. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2016, the number of incidence and mortality cases in Calvert County were:

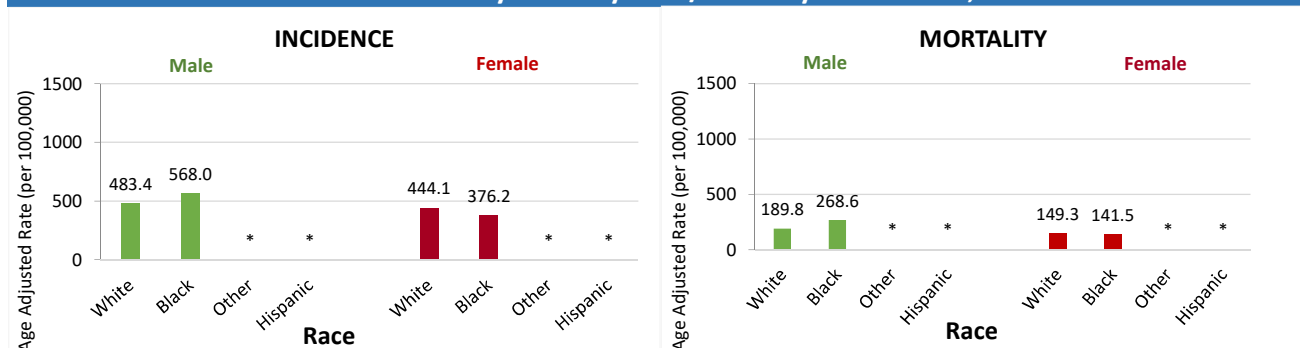
Incidence: 467 new cases of all cancer cases

Mortality: 184 deaths from cancer

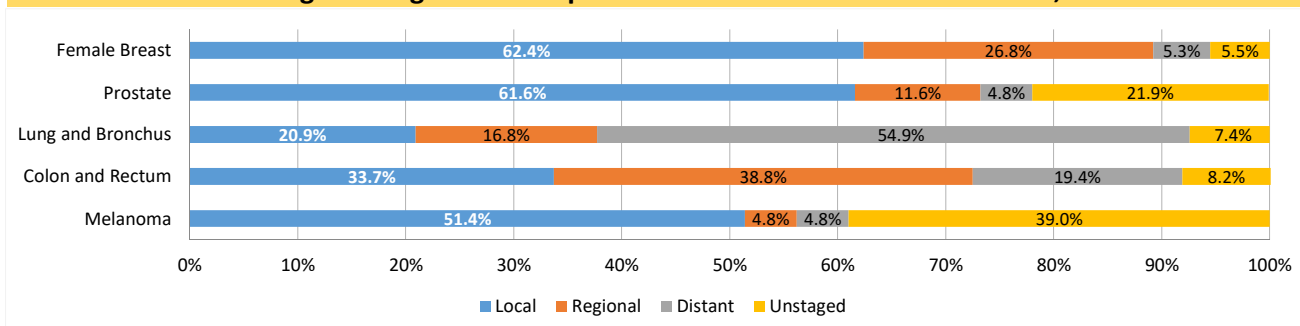
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2012-2016



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2012-2016



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2012-2016**



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 cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

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

**Percentages for cancer staging may not total 100% due to rounding

Caroline County



2016 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

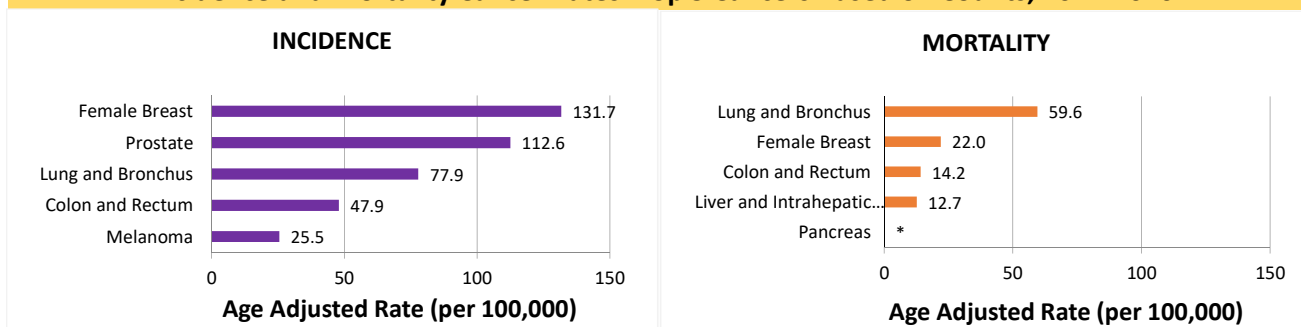
According to the Maryland Cancer Registry, a total of 31,079 Maryland residents were diagnosed with cancer in 2016. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2016, the number of incidence and mortality cases in Caroline County were:

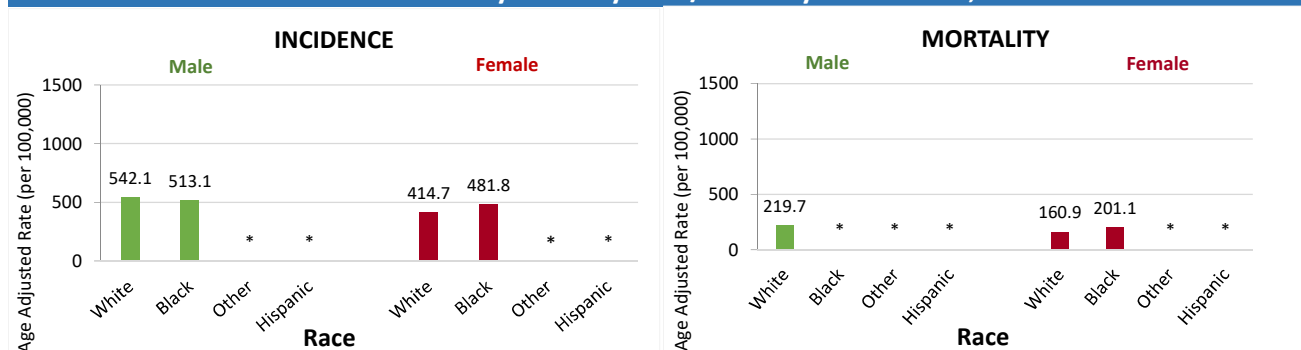
Incidence: 184 new cases of all cancer cases

Mortality: 73 deaths from cancer

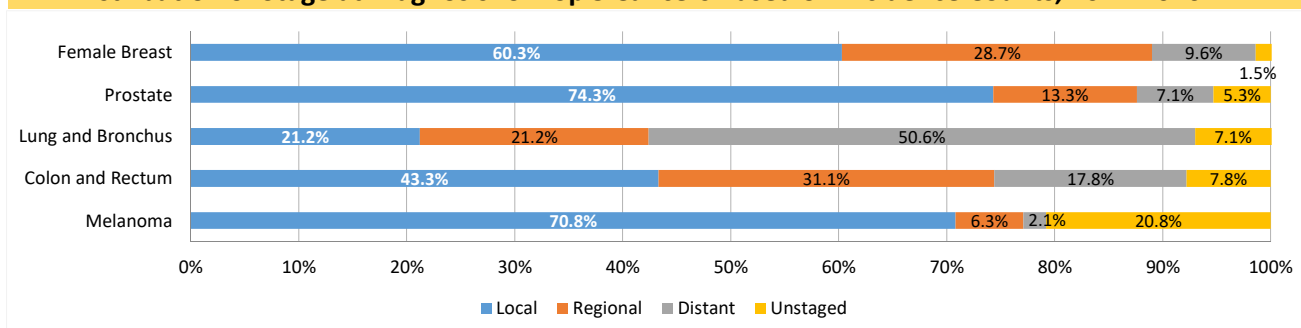
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2012-2016



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2012-2016



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2012-2016**



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 cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

**Percentages for cancer staging may not total 100% due to rounding

Carroll County



2016 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

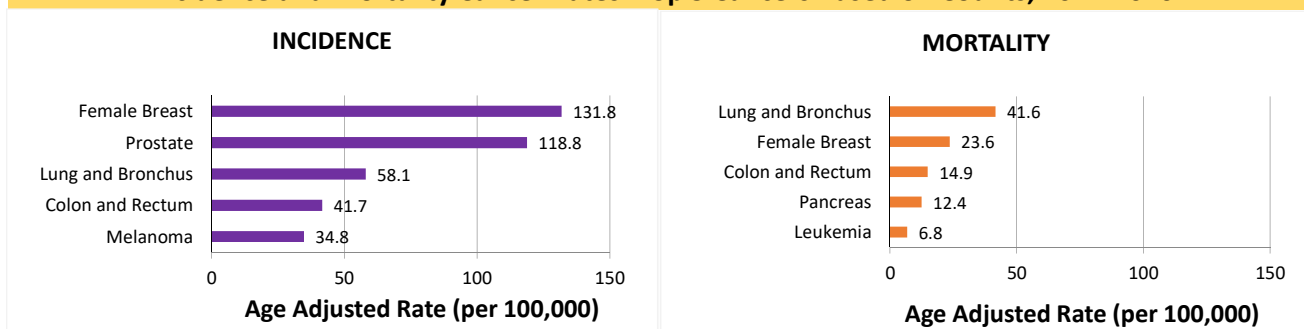
According to the Maryland Cancer Registry, a total of 31,079 Maryland residents were diagnosed with cancer in 2016. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2016, the number of incidence and mortality cases in Carroll County were:

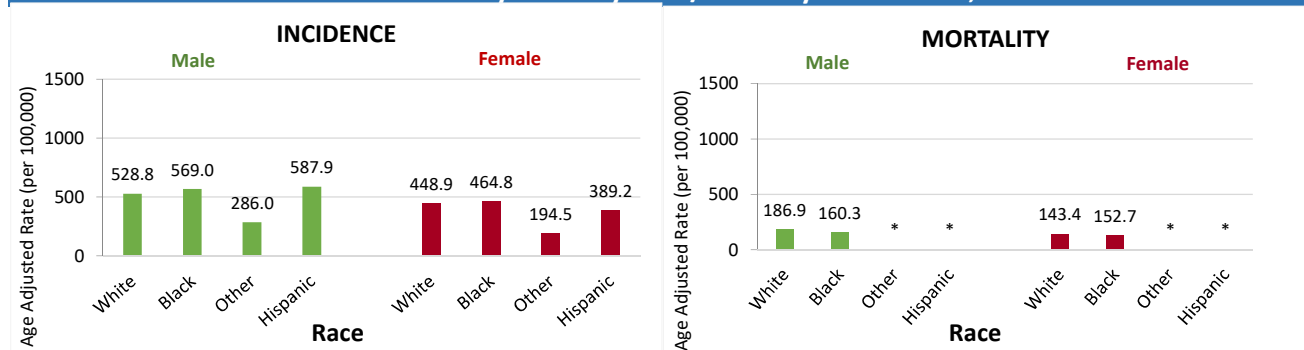
Incidence: 1,027 new cases of all cancer cases

Mortality: 341 deaths from cancer

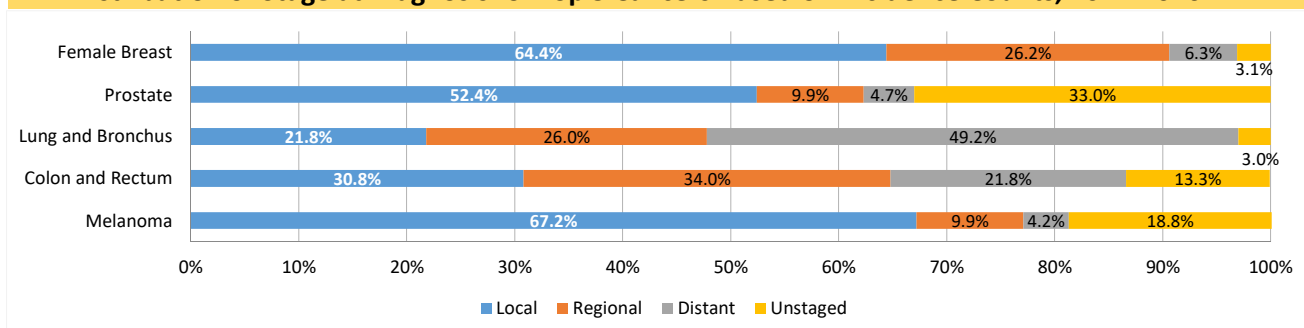
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2012-2016



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2012-2016



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2012-2016**



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 cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

**Percentages for cancer staging may not total 100% due to rounding



2016 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

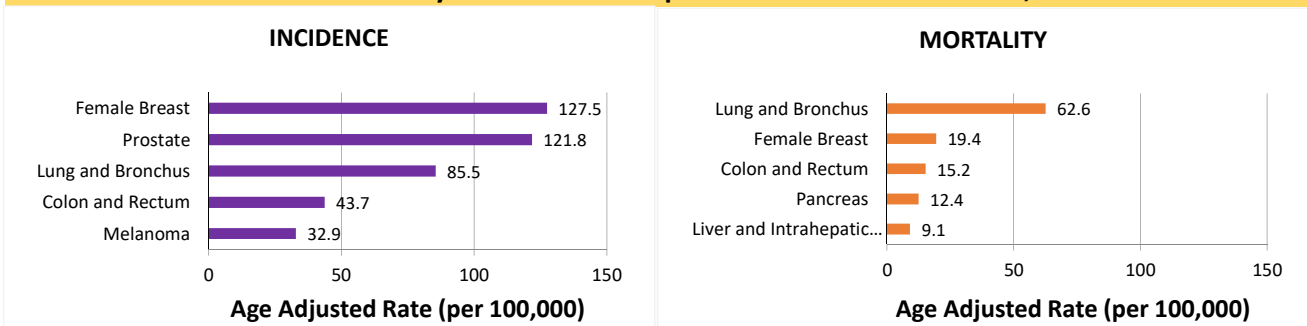
According to the Maryland Cancer Registry, a total of 31,079 Maryland residents were diagnosed with cancer in 2016. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2016, the number of incidence and mortality cases in Cecil County were:

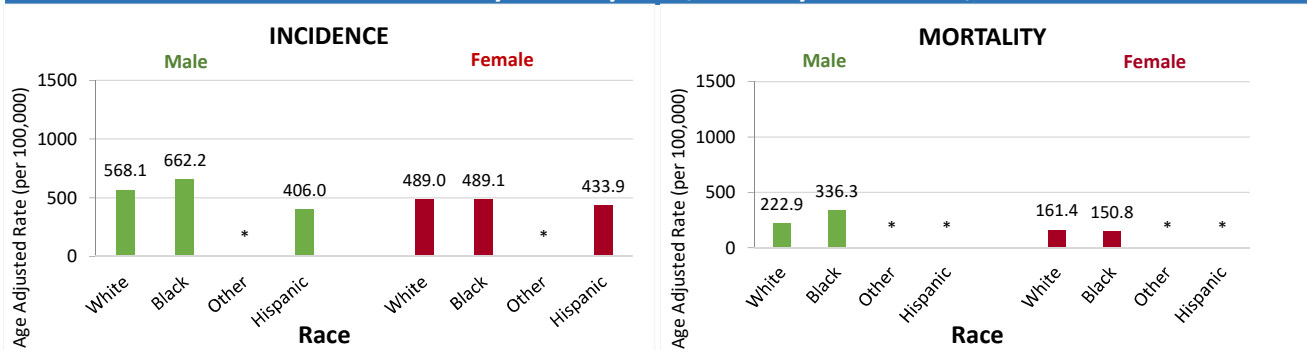
Incidence: 638 new cases of all cancer cases

Mortality: 228 deaths from cancer

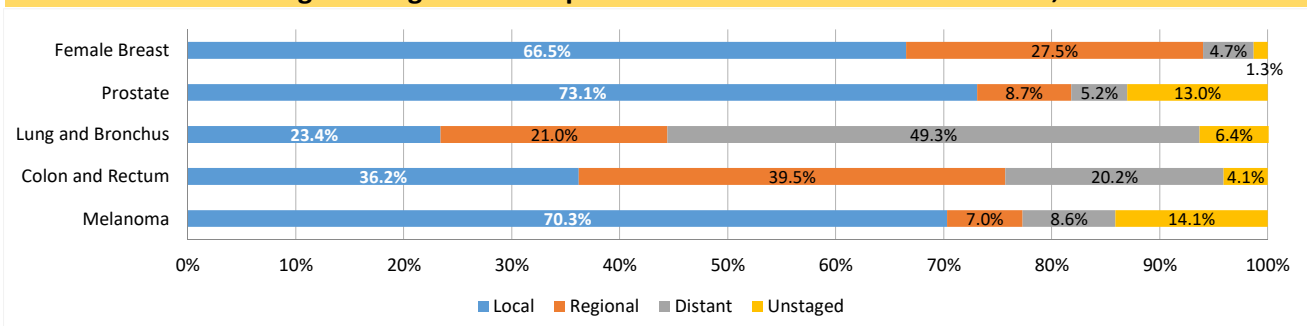
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2012-2016



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2012-2016



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2012-2016**



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 cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

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

**Percentages for cancer staging may not total 100% due to rounding

Charles County



2016 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

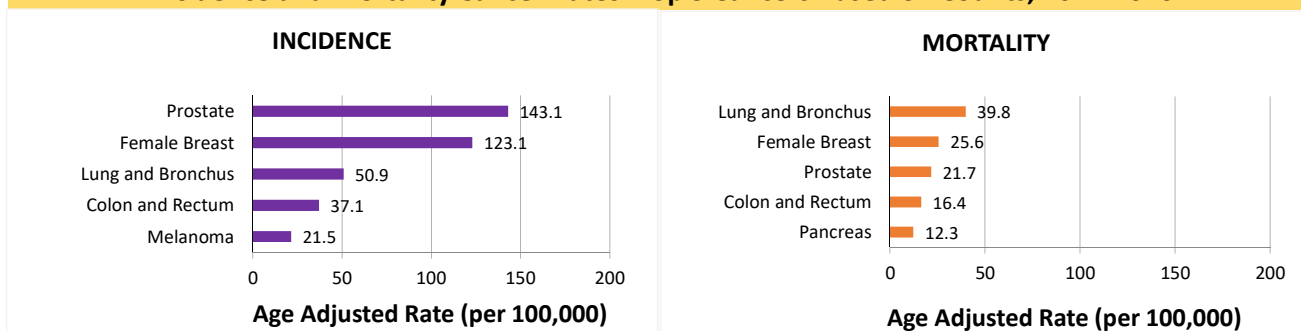
According to the Maryland Cancer Registry, a total of 31,079 Maryland residents were diagnosed with cancer in 2016. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2016, the number of incidence and mortality cases in Charles County were:

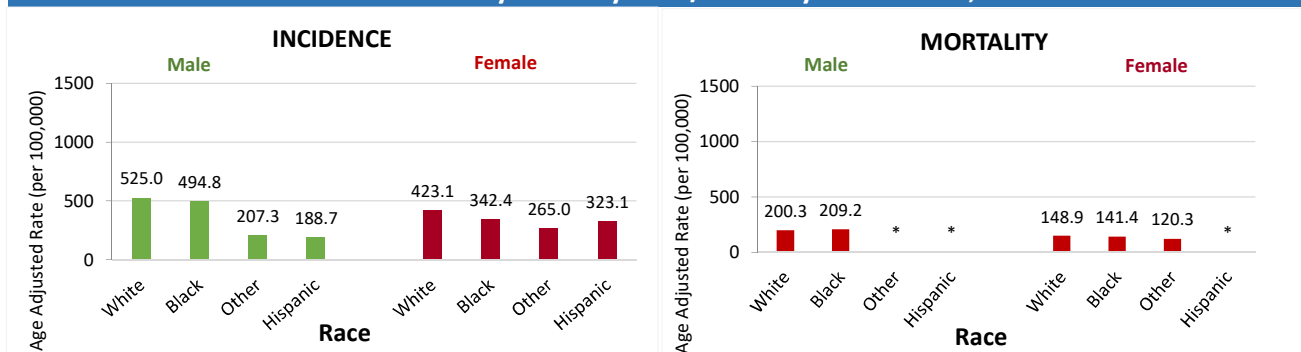
Incidence: 756 new cases of all cancer cases

Mortality: 252 deaths from cancer

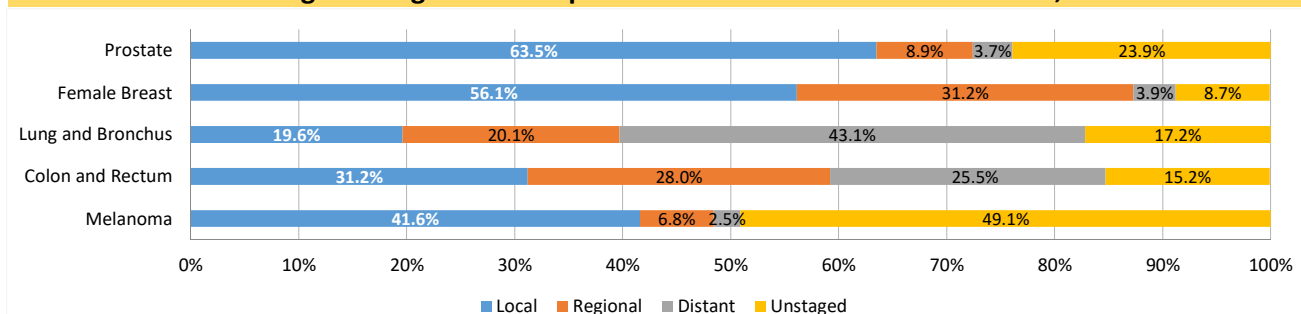
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2012-2016



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2012-2016



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2012-2016**



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 cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

**Percentages for cancer staging may not total 100% due to rounding

Dorchester County



2016 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

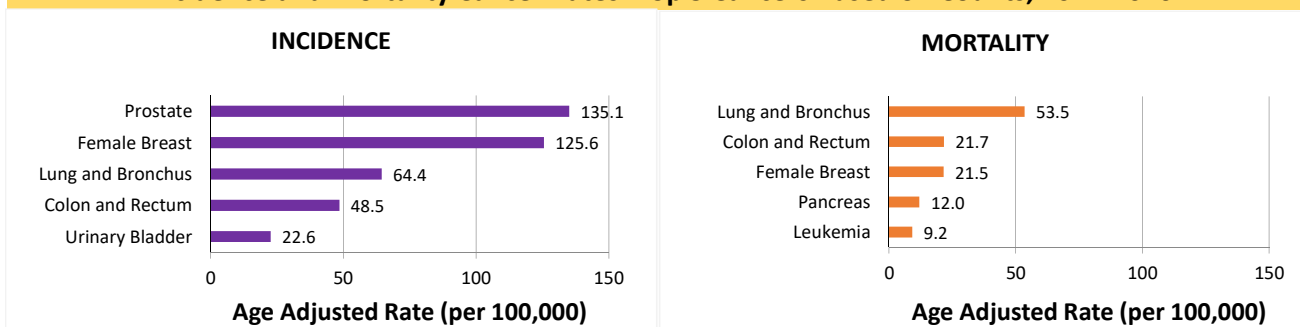
According to the Maryland Cancer Registry, a total of 31,079 Maryland residents were diagnosed with cancer in 2016. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2016, the number of incidence and mortality cases in Dorchester County were:

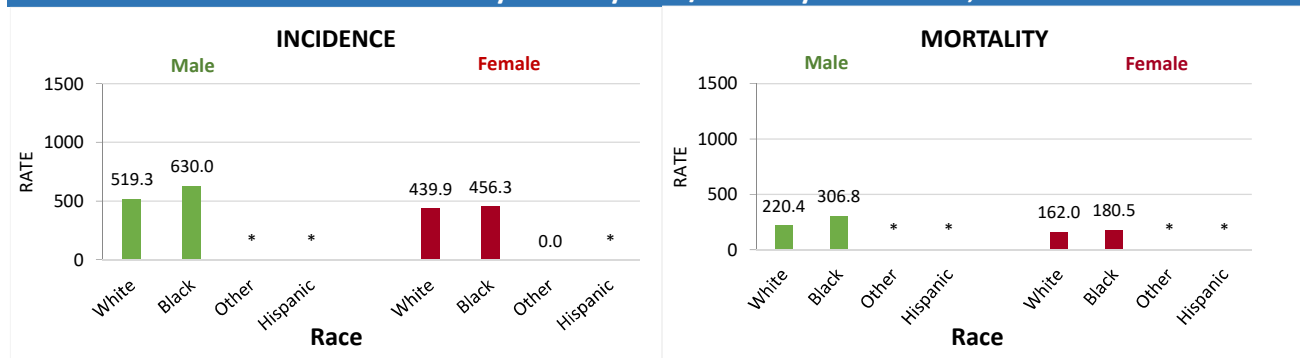
Incidence: 228 new cases of all cancer cases

Mortality: 93 deaths from cancer

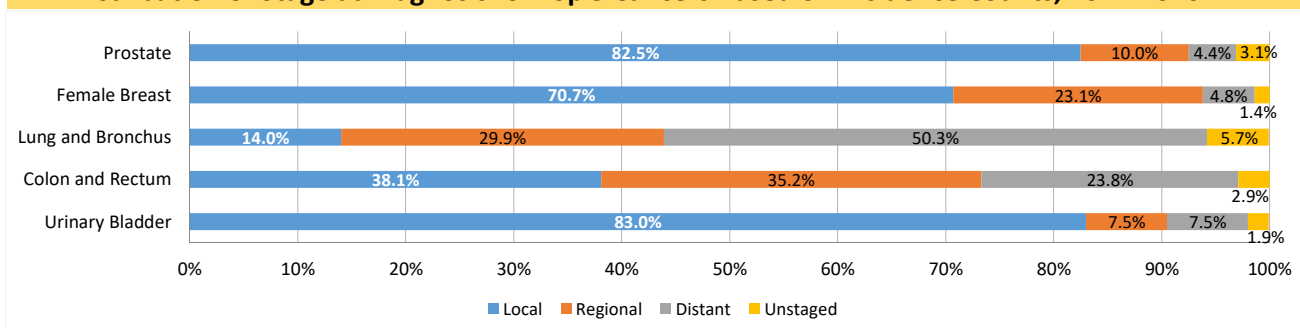
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2012-2016



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2012-2016



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2012-2016**



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 cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

**Percentages for cancer staging may not total 100% due to rounding

Frederick County



2016 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

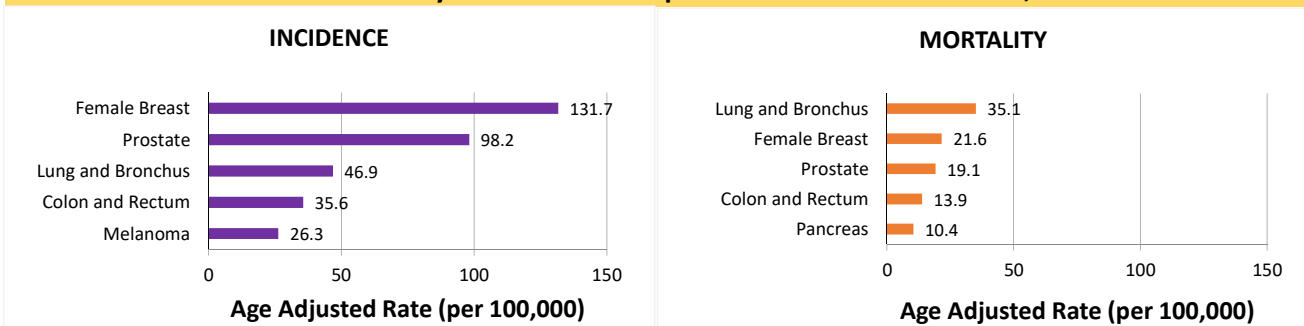
According to the Maryland Cancer Registry, a total of 31,079 Maryland residents were diagnosed with cancer in 2016. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2016, the number of incidence and mortality cases in Frederick County were:

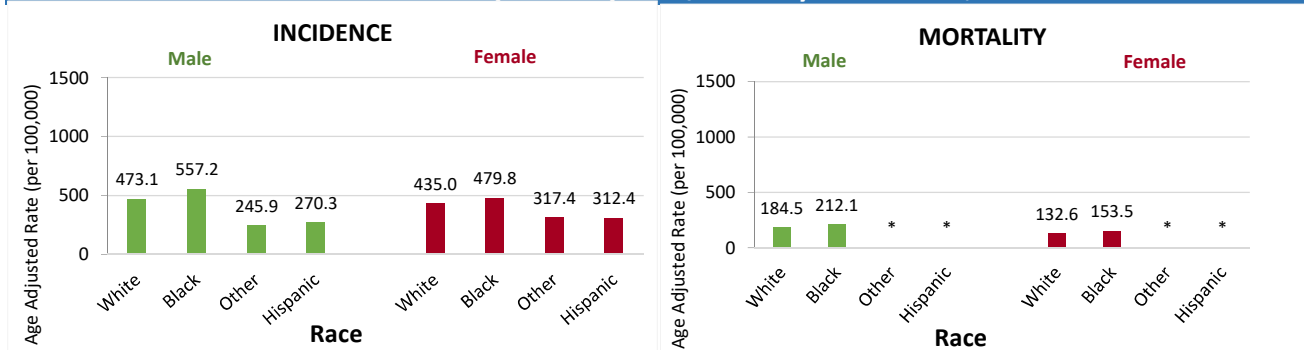
Incidence: 1,284 new cases of all cancer cases

Mortality: 418 deaths from cancer

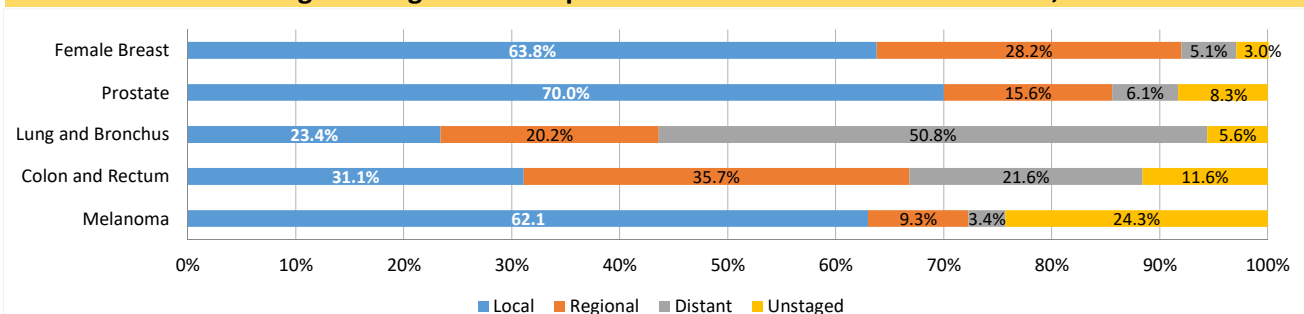
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2012-2016



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2012-2016



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2012-2016**



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 cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

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

**Percentages for cancer staging may not total 100% due to rounding

Garrett County



2016 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

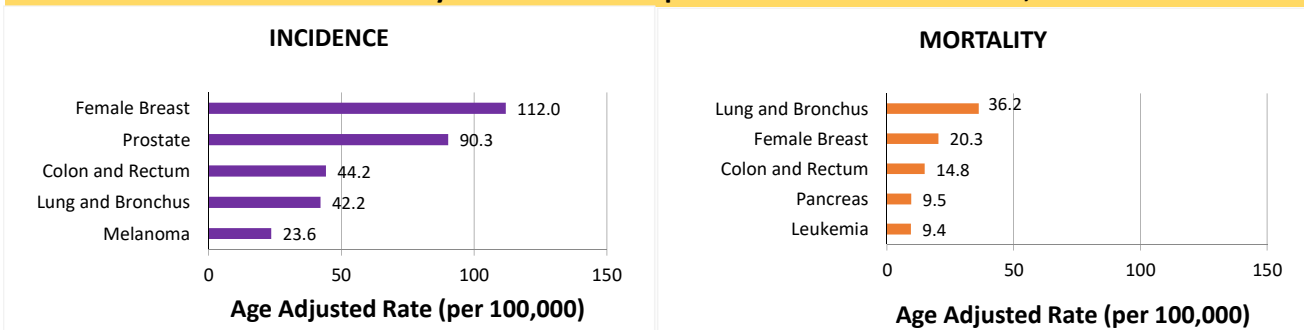
According to the Maryland Cancer Registry, a total of 31,079 Maryland residents were diagnosed with cancer in 2016. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2016, the number of incidence and mortality cases in Garrett County were:

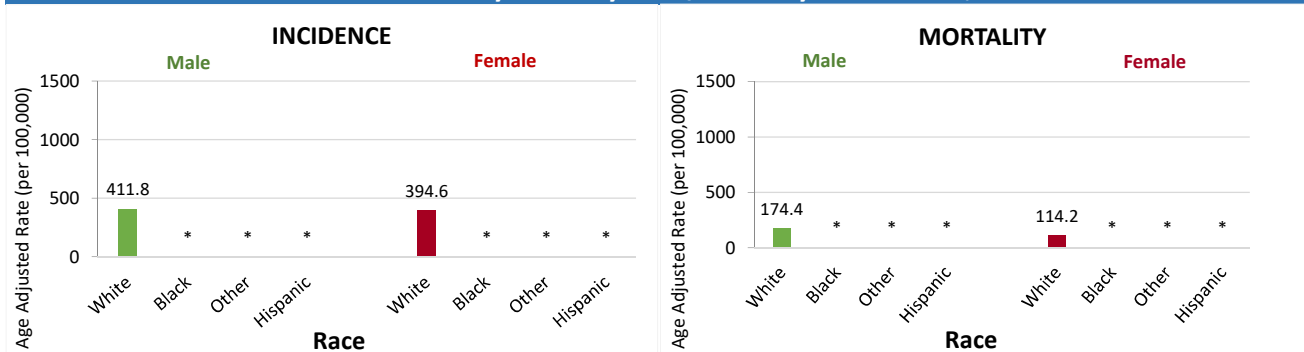
Incidence: 186 new cases of all cancer cases

Mortality: 64 deaths from cancer

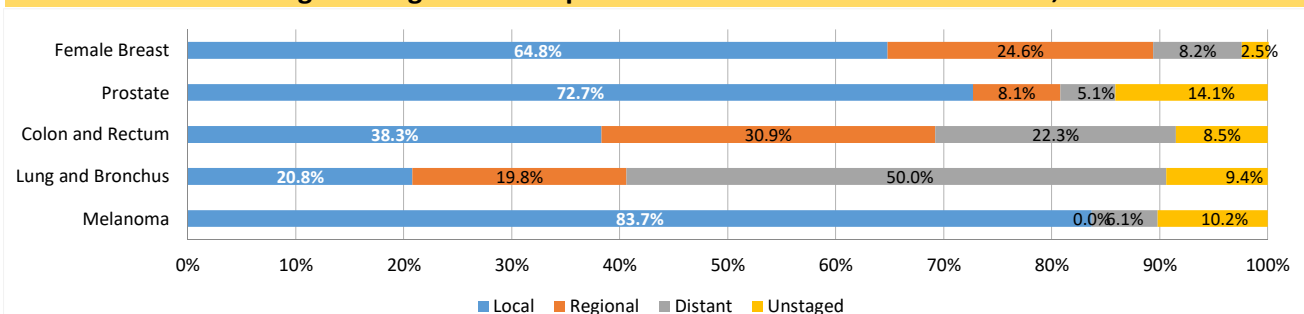
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2012-2016



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2012-2016



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2012-2016**



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 cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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Harford County



2016 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

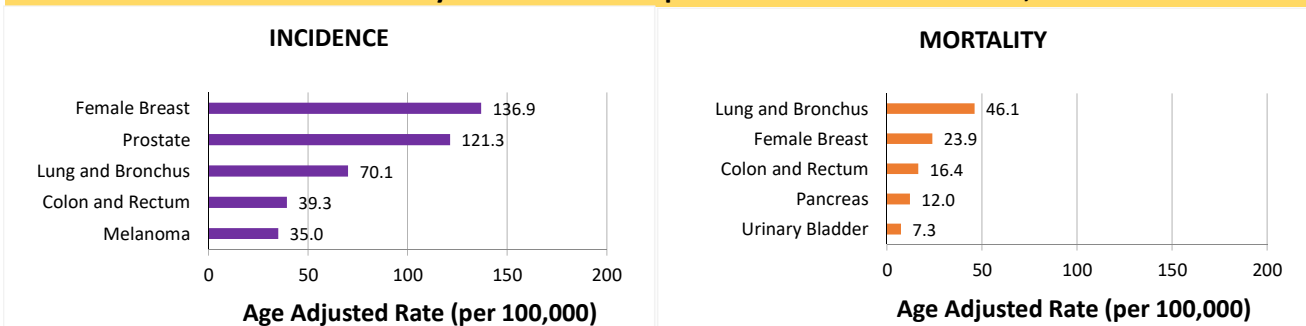
According to the Maryland Cancer Registry, a total of 31,079 Maryland residents were diagnosed with cancer in 2016. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2016, the number of incidence and mortality cases in Harford County were:

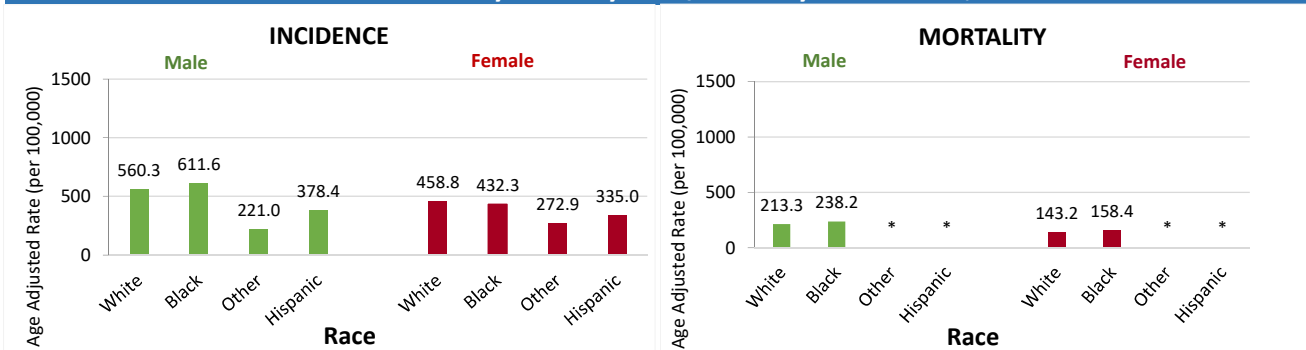
Incidence: 1,554 new cases of all cancer cases

Mortality: 527 deaths from cancer

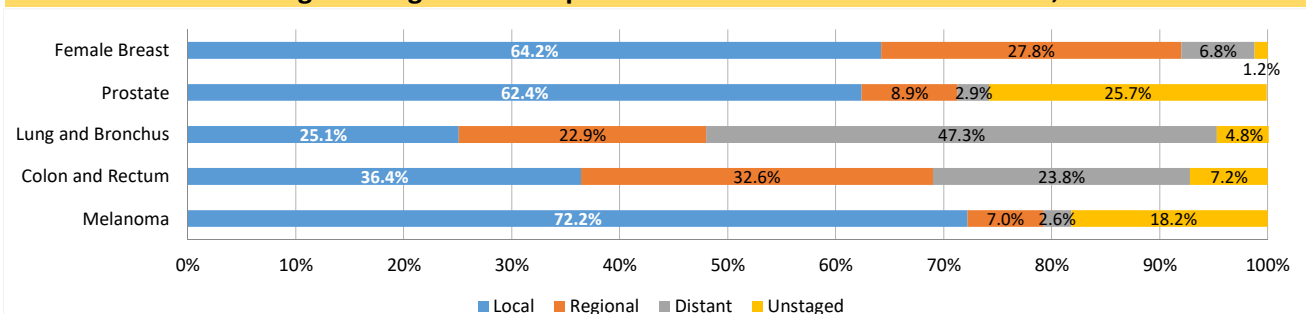
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2012-2016



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2012-2016



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2012-2016**



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 cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

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

**Percentages for cancer staging may not total 100% due to rounding



2016 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

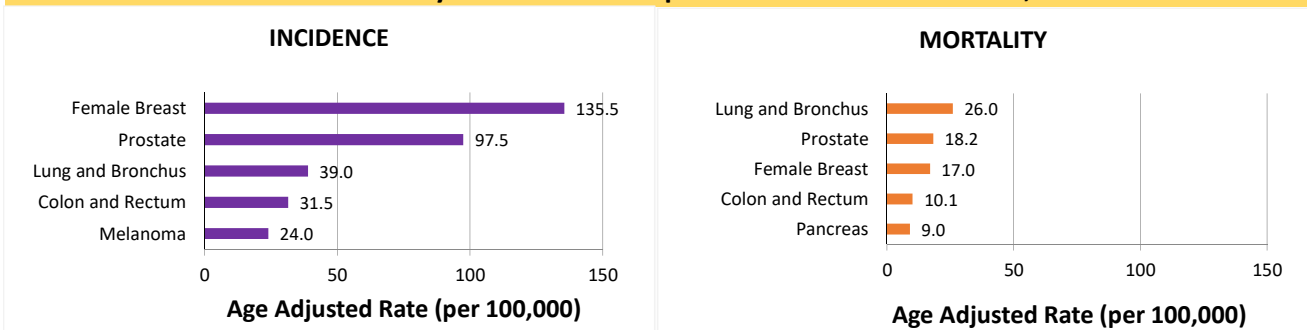
According to the Maryland Cancer Registry, a total of 31,079 Maryland residents were diagnosed with cancer in 2016. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2016, the number of incidence and mortality cases in Howard County were:

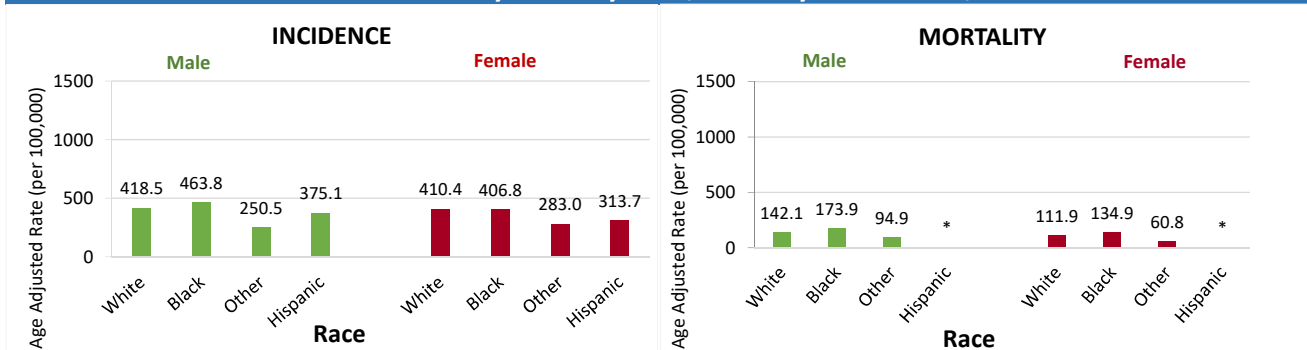
Incidence: 1,288 new cases of all cancer cases

Mortality: 359 deaths from cancer

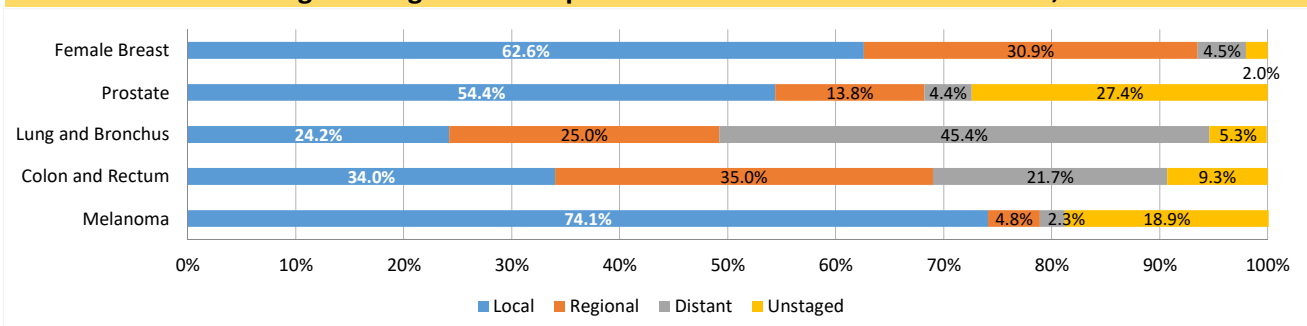
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2012-2016



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2012-2016



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2012-2016**



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 cancer diagnosed and/or treated in Maryland.

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

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

**Percentages for cancer staging may not total 100% due to rounding

2016 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

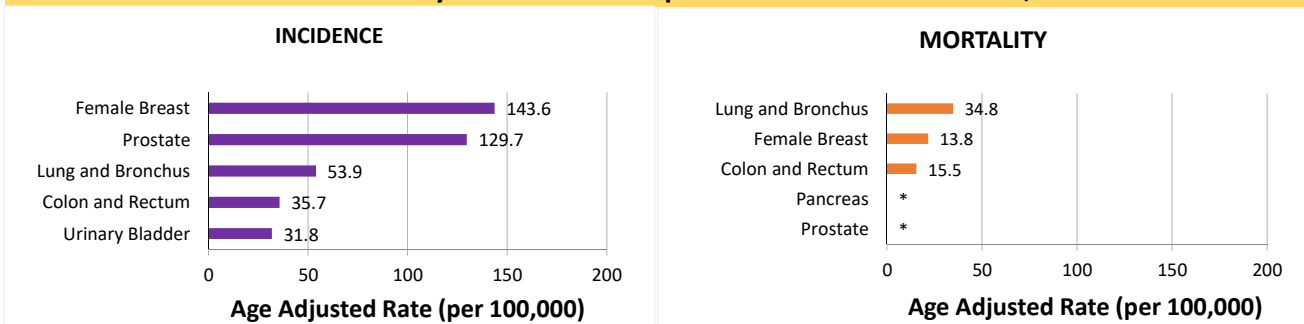
According to the Maryland Cancer Registry, a total of 31,079 Maryland residents were diagnosed with cancer in 2016. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2016, the number of incidence and mortality cases in Kent County were:

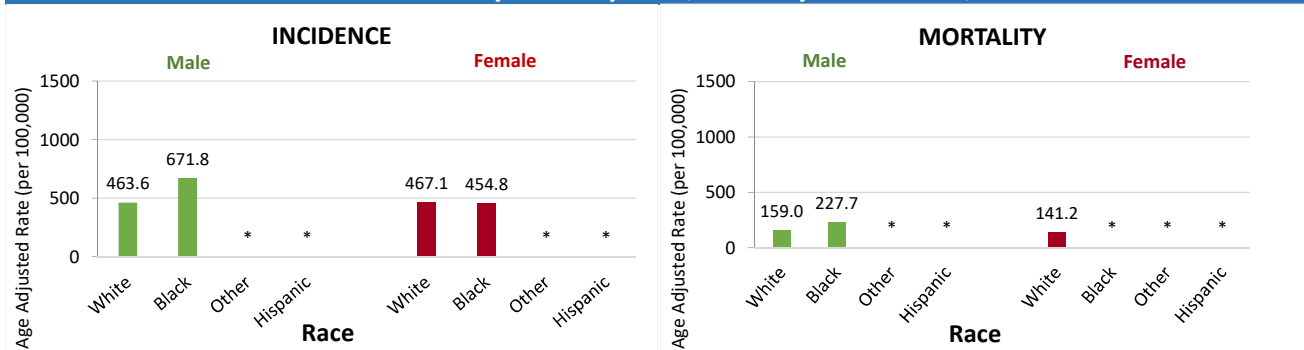
Incidence: 168 new cases of all cancer cases

Mortality: 54 deaths from cancer

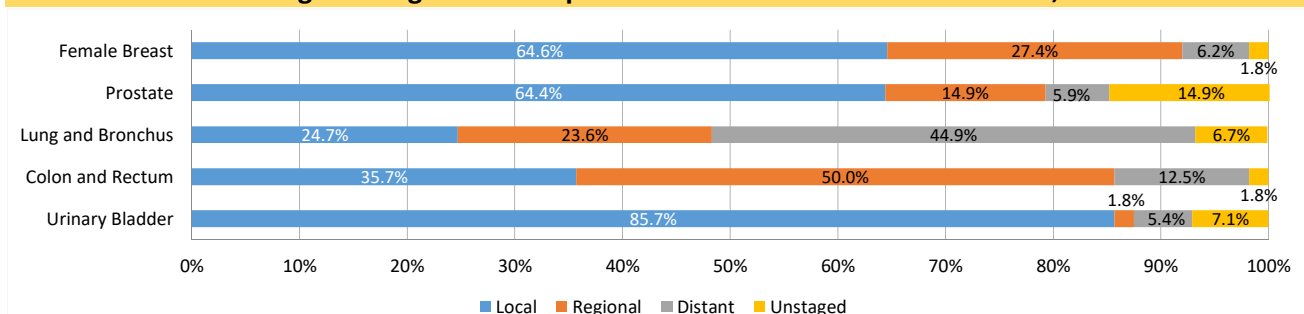
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2012-2016



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2012-2016



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2012-2016**



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 cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

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

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Montgomery County



2016 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

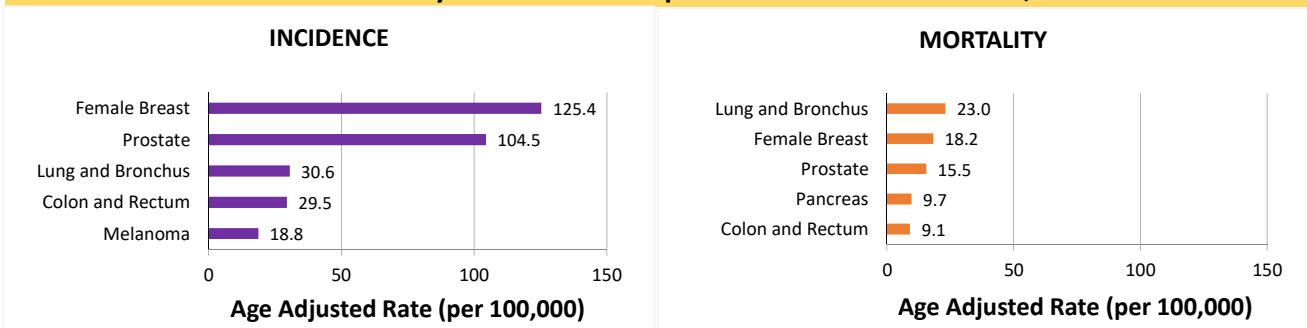
According to the Maryland Cancer Registry, a total of 31,079 Maryland residents were diagnosed with cancer in 2016. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2016, the number of incidence and mortality cases in Montgomery County were:

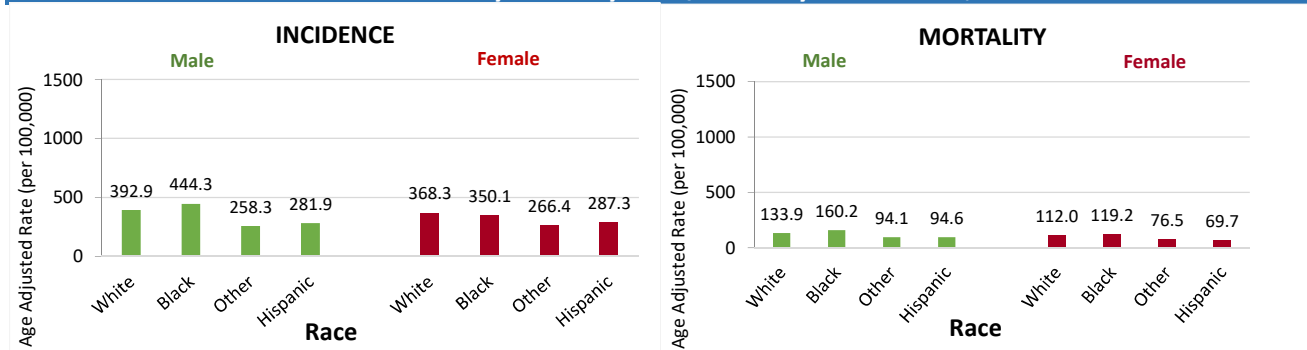
Incidence: 4,447 new cases of all cancer cases

Mortality: 1,403 deaths from cancer

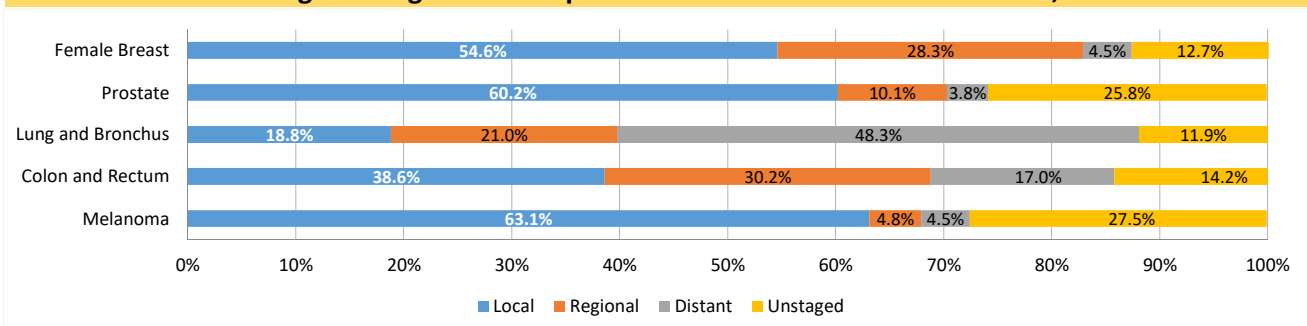
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2012-2016



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2012-2016



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2012-2016**



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 cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

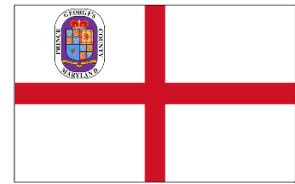
Incidence Rates based on death counts of 1-15 are suppressed per MDH / MCR Data Use Policy and Procedures

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

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

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Prince George's County



2016 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

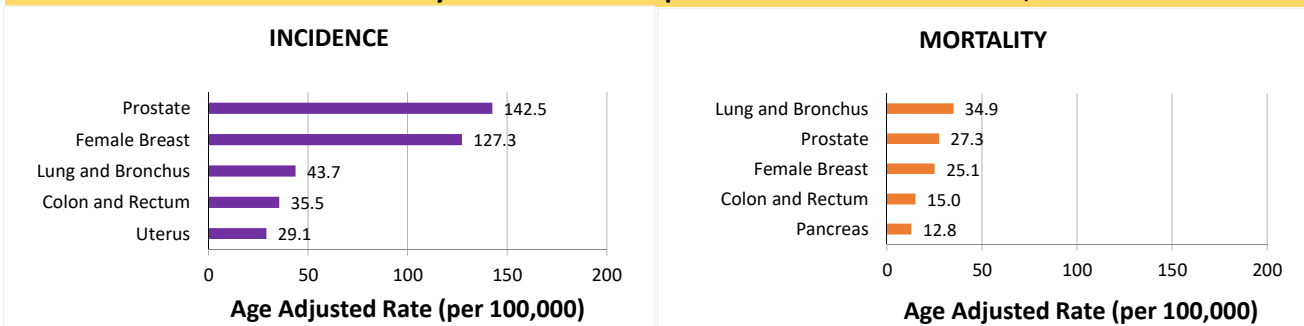
According to the Maryland Cancer Registry, a total of 31,079 Maryland residents were diagnosed with cancer in 2016. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2016, the number of incidence and mortality cases in Prince George's County were:

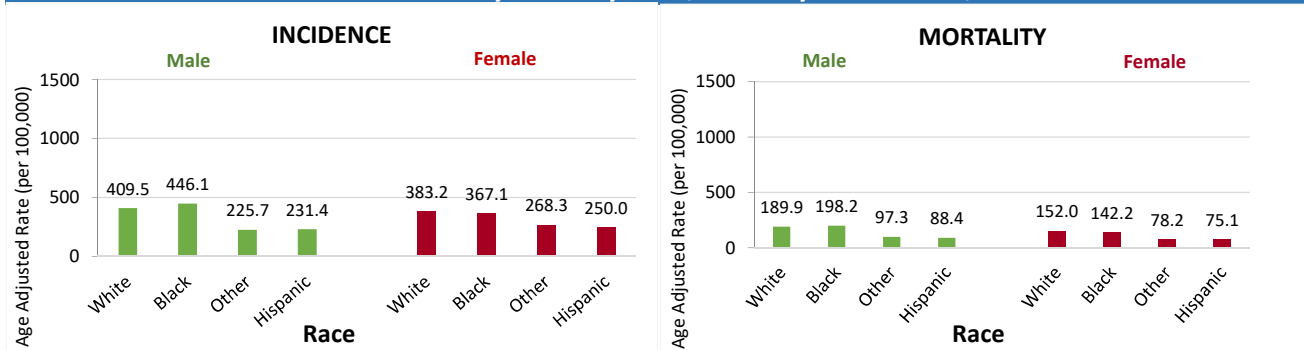
Incidence: 3,834 new cases of all cancer cases

Mortality: 1,408 deaths from cancer

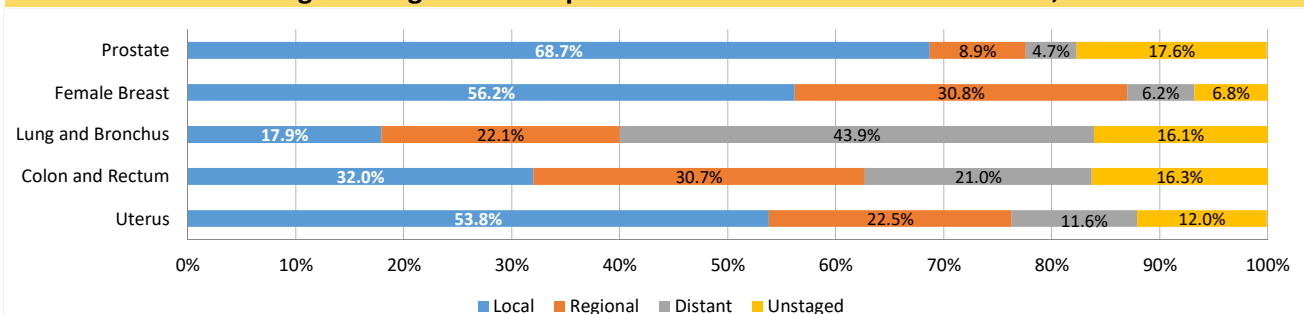
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2012-2016



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2012-2016



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2012-2016**



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 cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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**Percentages for cancer staging may not total 100% due to rounding

Queen Anne's County



2016 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

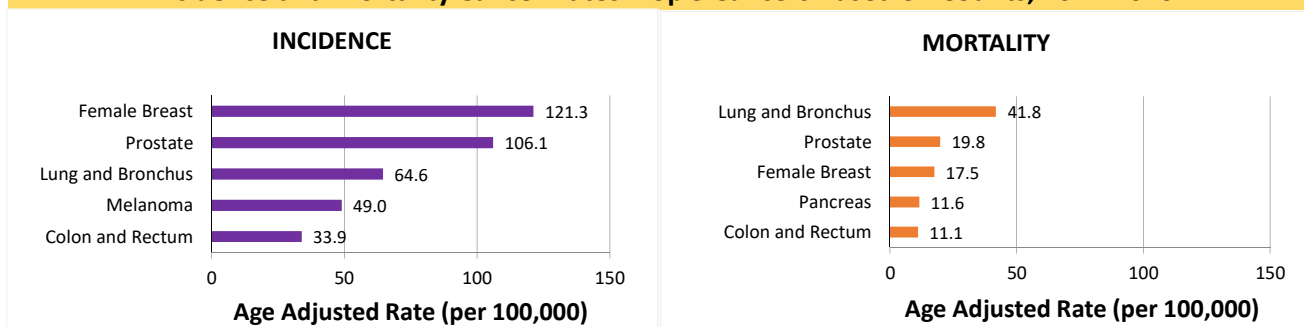
According to the Maryland Cancer Registry, a total of 31,079 Maryland residents were diagnosed with cancer in 2016. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2016, the number of incidence and mortality cases in Queen Anne's County were:

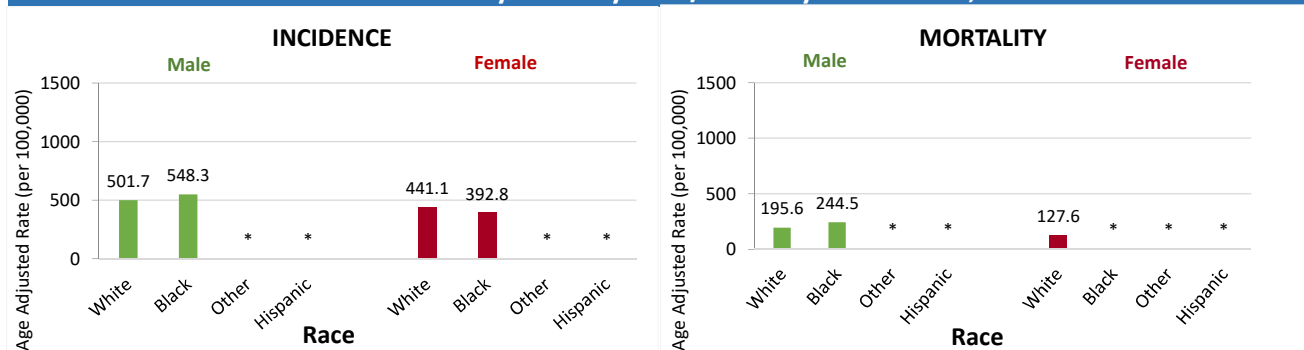
Incidence: 333 new cases of all cancer cases

Mortality: 92 deaths from cancer

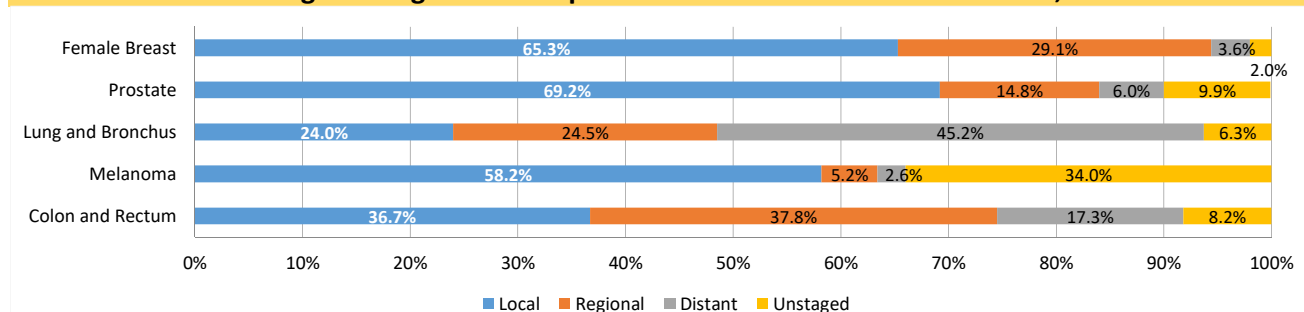
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2012-2016



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2012-2016



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2012-2016**



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 cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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**Percentages for cancer staging may not total 100% due to rounding

St. Mary's County



2016 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

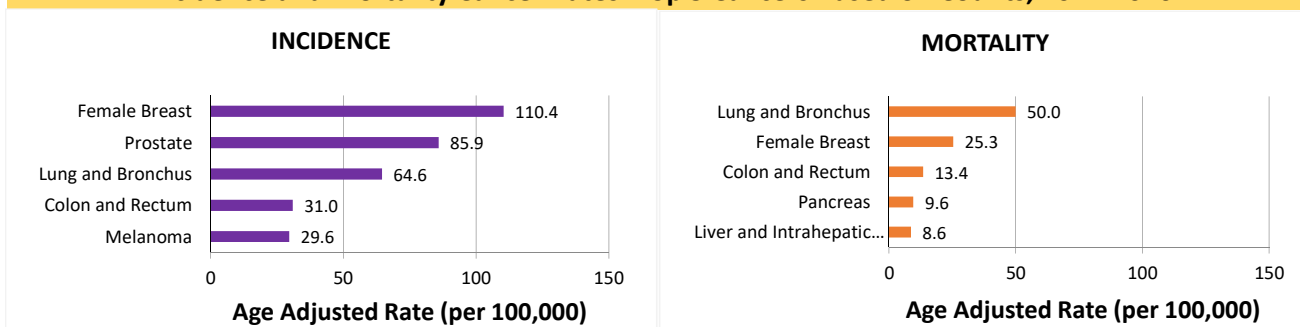
According to the Maryland Cancer Registry, a total of 31,079 Maryland residents were diagnosed with cancer in 2016. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2016, the number of incidence and mortality cases in St. Mary's County were:

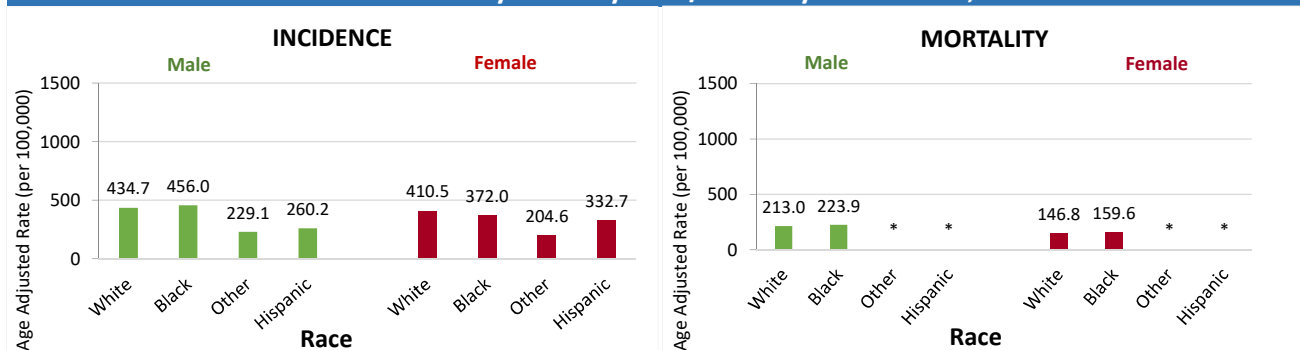
Incidence: 463 new cases of all cancer cases

Mortality: 186 deaths from cancer

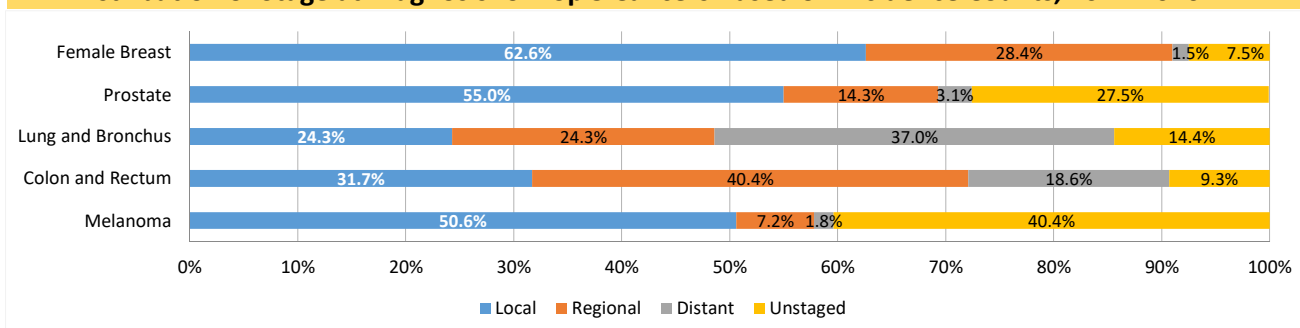
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2012-2016



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2012-2016



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2012-2016**



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 cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

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

**Percentages for cancer staging may not total 100% due to rounding



2016 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

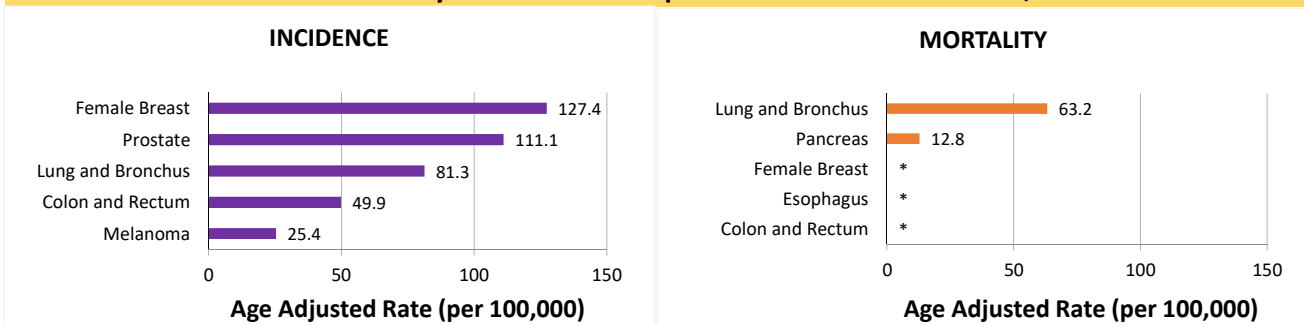
According to the Maryland Cancer Registry, a total of 31,079 Maryland residents were diagnosed with cancer in 2016. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2016, the number of incidence and mortality cases in Somerset County were:

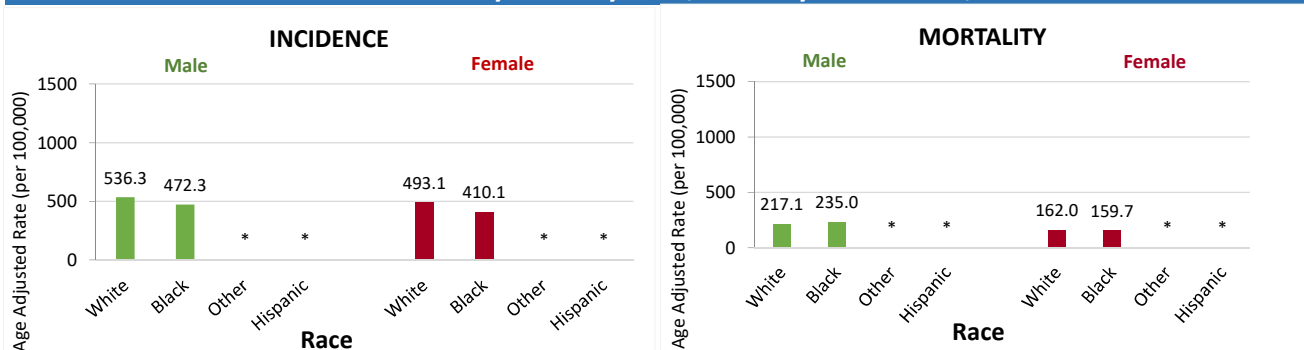
Incidence: 165 new cases of all cancer cases

Mortality: 50 deaths from cancer

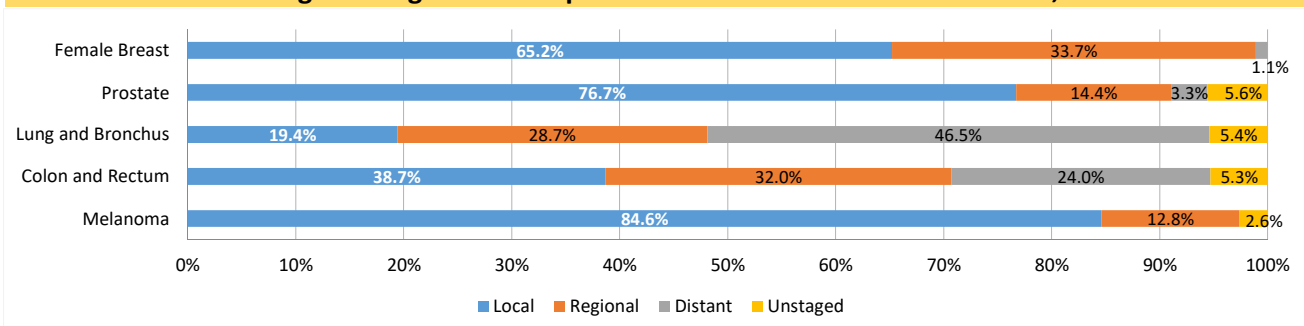
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2012-2016



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2012-2016



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2012-2016**



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 cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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Talbot County



2016 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

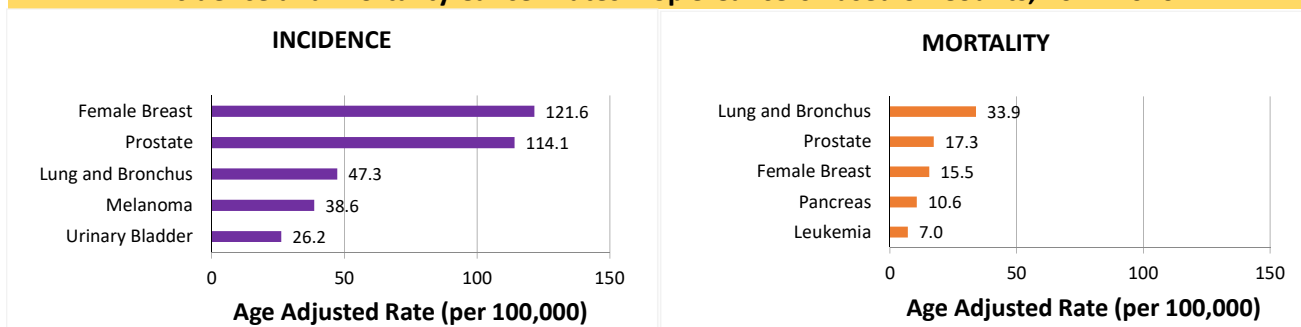
According to the Maryland Cancer Registry, a total of 31,079 Maryland residents were diagnosed with cancer in 2016. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2016, the number of incidence and mortality cases in Talbot County were:

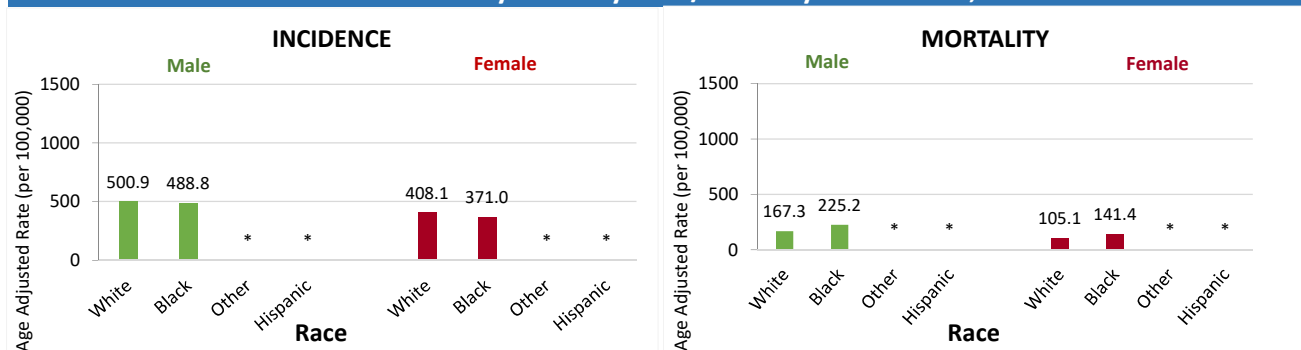
Incidence: 305 new cases of all cancer cases

Mortality: 79 deaths from cancer

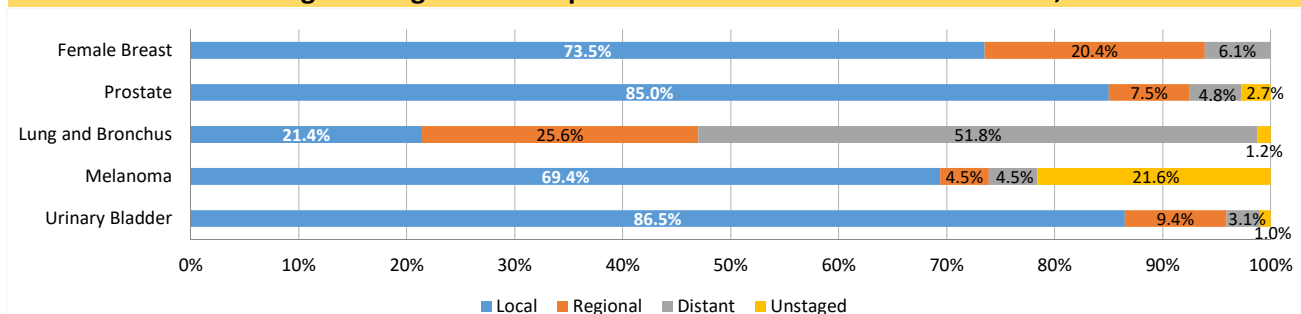
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2012-2016



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2012-2016



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2012-2016**



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 cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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**Percentages for cancer staging may not total 100% due to rounding

Washington County



2016 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

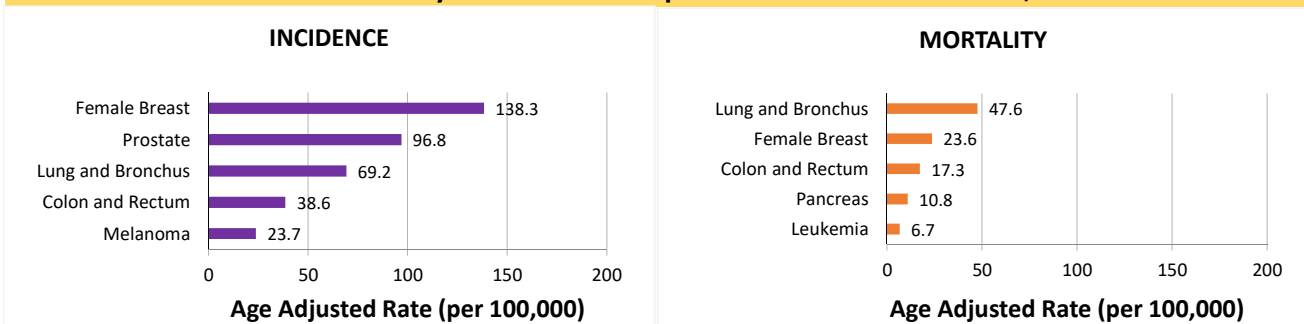
According to the Maryland Cancer Registry, a total of 31,079 Maryland residents were diagnosed with cancer in 2016. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2016, the number of incidence and mortality cases in Washington County were:

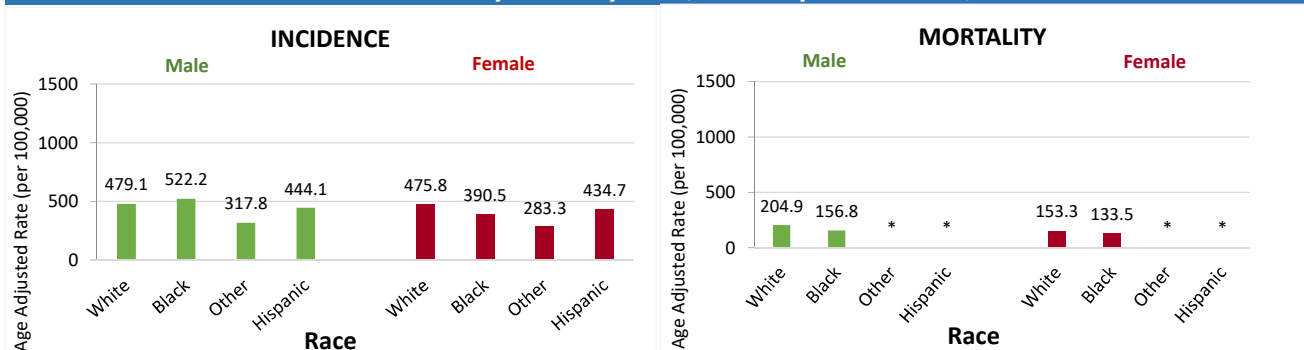
Incidence: 933 new cases of all cancer cases

Mortality: 314 deaths from cancer

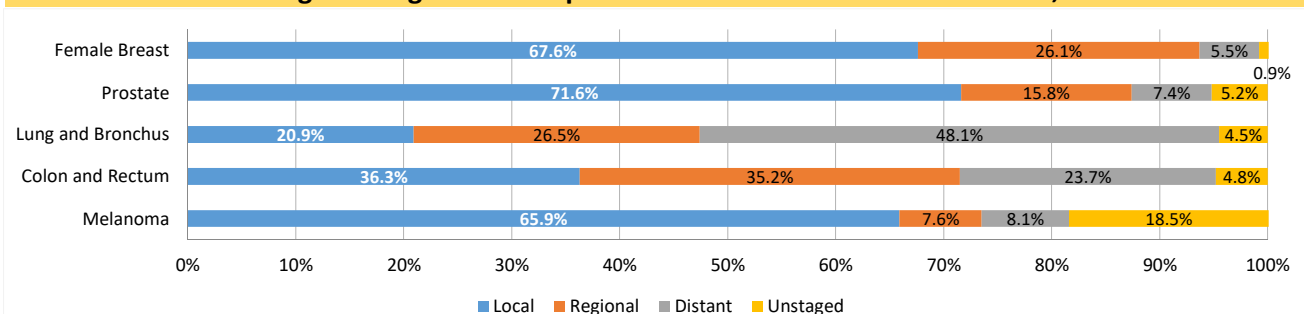
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2012-2016



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2012-2016



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2012-2016**



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 cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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Wicomico County



2016 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

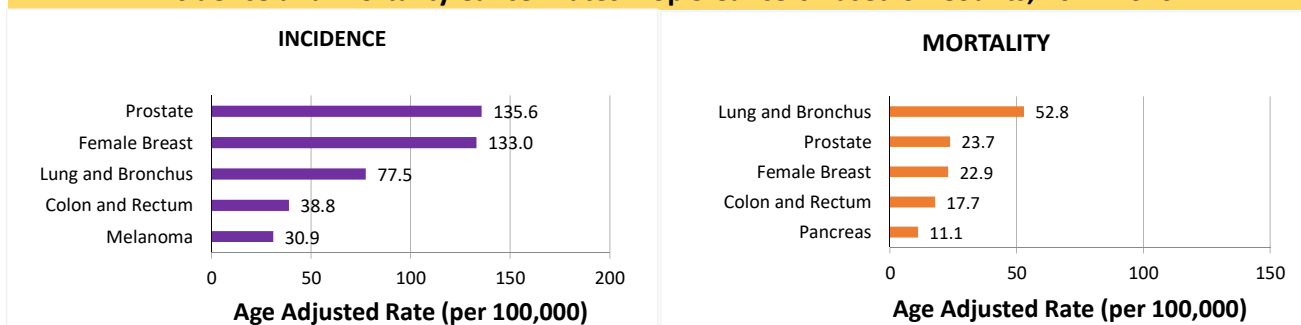
According to the Maryland Cancer Registry, a total of 31,079 Maryland residents were diagnosed with cancer in 2016. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2016, the number of incidence and mortality cases in Wicomico County were:

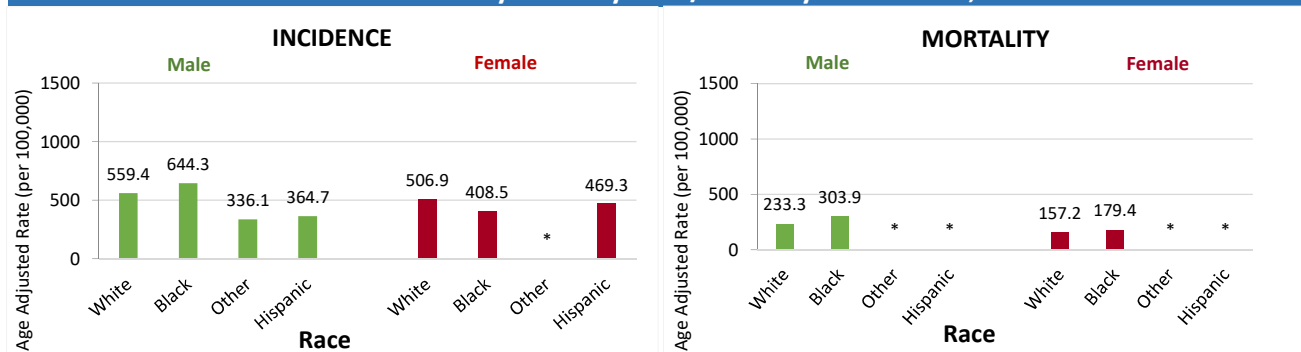
Incidence: 576 new cases of all cancer cases

Mortality: 237 deaths from cancer

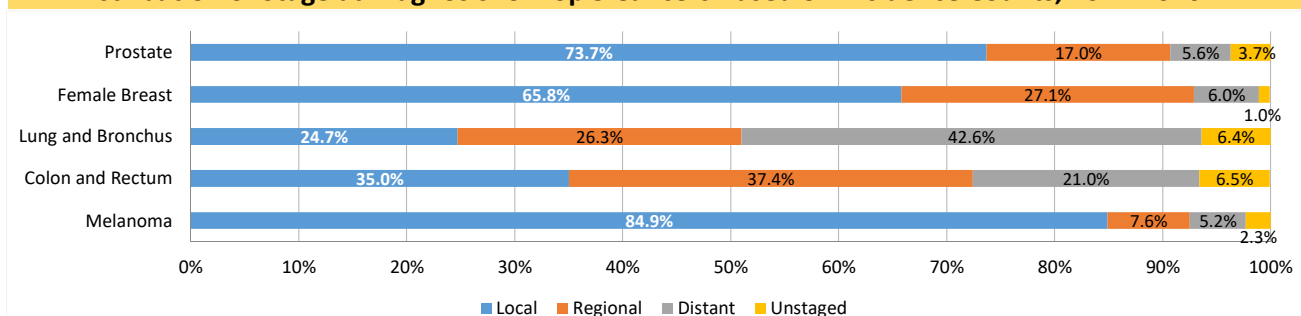
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2012-2016



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2012-2016



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2012-2016**



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 cancer diagnosed and/or treated in Maryland.

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**Percentages for cancer staging may not total 100% due to rounding

Worcester County



2016 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

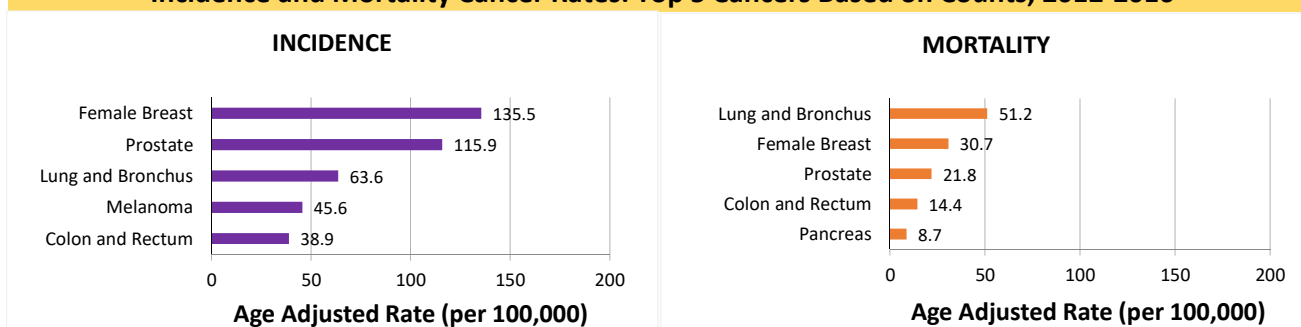
According to the Maryland Cancer Registry, a total of 31,079 Maryland residents were diagnosed with cancer in 2016. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2016, the number of incidence and mortality cases in Worcester County were:

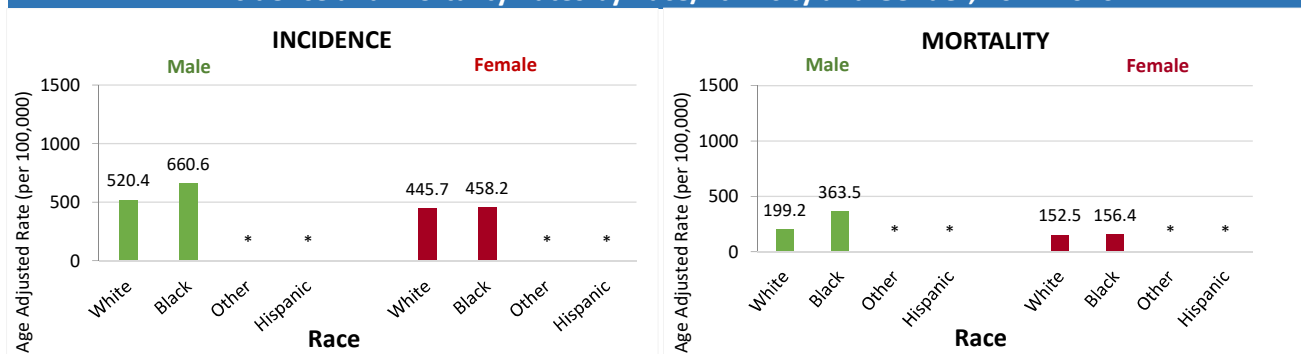
Incidence: 407 new cases of all cancer cases

Mortality: 156 deaths from cancer

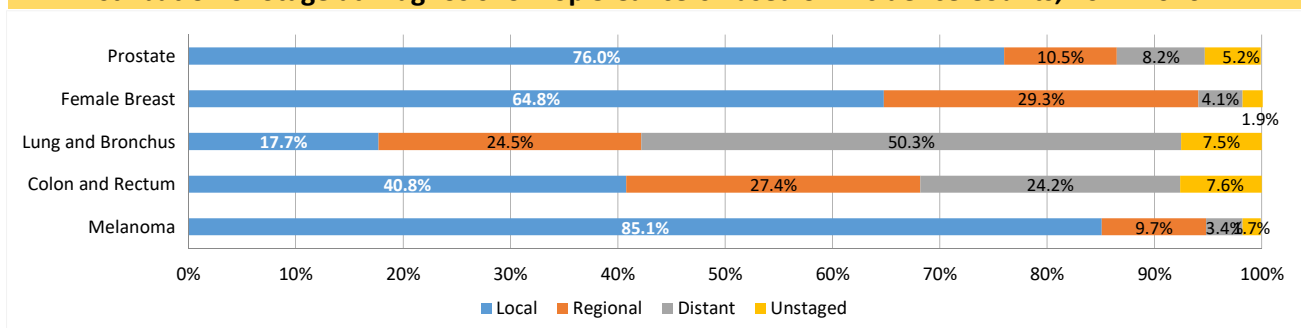
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2012-2016



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2012-2016



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2012-2016**



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 cancer diagnosed and/or treated in Maryland.

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

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

**Percentages for cancer staging may not total 100% due to rounding

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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 01 year	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 2016. Cancer incidence data are also presented in aggregated form, as the average annual incidence for the 5-year period from 2012 through 2016.
- **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 2016. Cancer mortality data are also presented in an aggregated form, as the average annual mortality for the 5-year period from 2012 through 2016.
- **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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