

CANCER INCIDENCE AND MORTALITY IN DELAWARE, 2015-2019

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October 10, 2022



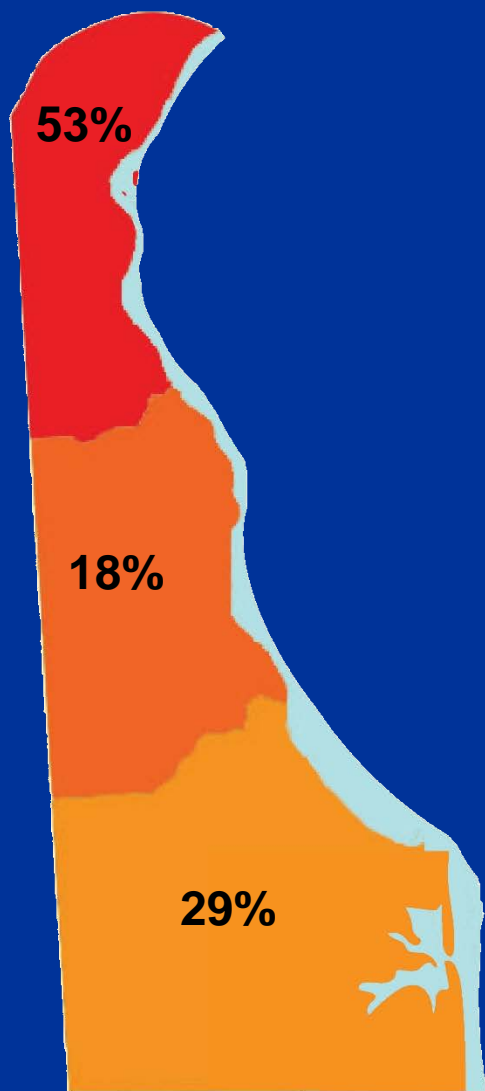
DELAWARE HEALTH AND SOCIAL SERVICES
Division of Public Health
Comprehensive Cancer Control Program

Overview

- I&M report 2015-2019
 - Similar to previous I&M reports in terms of reporting all-site cancer rates and information
 - Notable updates:
 - Summary site-specific tables
 - Trend analysis via **Joinpoint**
 - U.S. rates calculated using U.S. Cancer Statistics data instead of SEER data
- Census tract-level analysis compendium
 - Includes all-site cancer incidence rates and maps

ALL-SITE CANCER INCIDENCE

All-site Cancer Incidence, Delaware, 2015-2019



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- 29,671 cancer cases
 - average of 5,934 per year
- By sex
 - Male – 51%
 - Female – 49%
- By race/ethnicity
 - Non-Hispanic White – 77%
 - Non-Hispanic Black– 17%
 - Hispanic – 3%

All-Site Cancer Incidence, Delaware vs. U.S., 2015-2019

Delaware: 468.8 per 100,000

Statistically significantly higher than U.S. (449.2 per 100,000)

- *Improved* - 2015-2019 rank: 13th; 2014-2018 rank: 8th

Delaware males: 513.1 per 100,000

Statistically significantly higher than male U.S. (487.9 per 100,000)

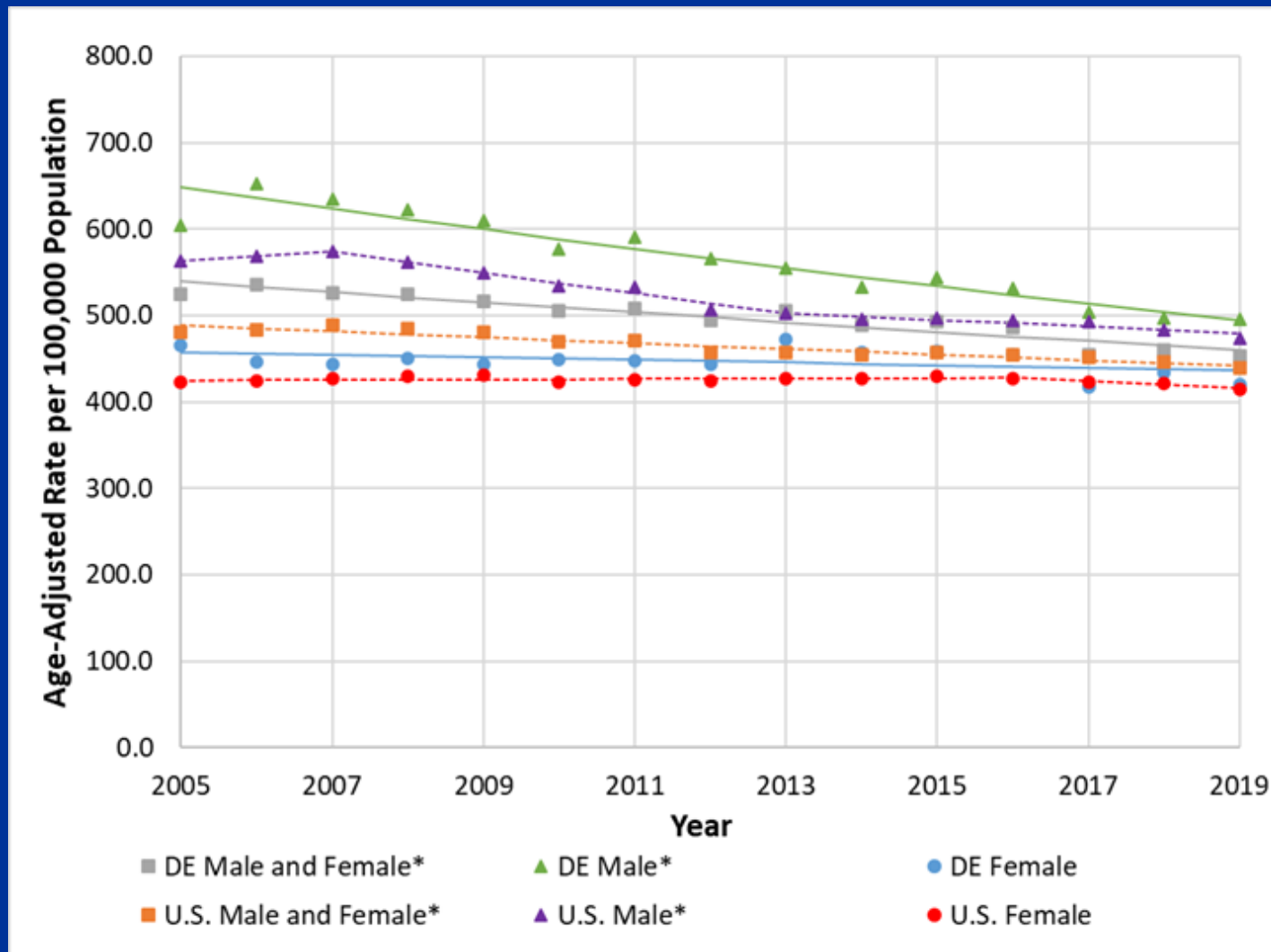
- *Improved* - 2015-2019 rank: 11th; 2014-2018 rank: 9th

Delaware females: 436.8 per 100,000

Statistically significantly higher than U.S. (423.2 per 100,000)

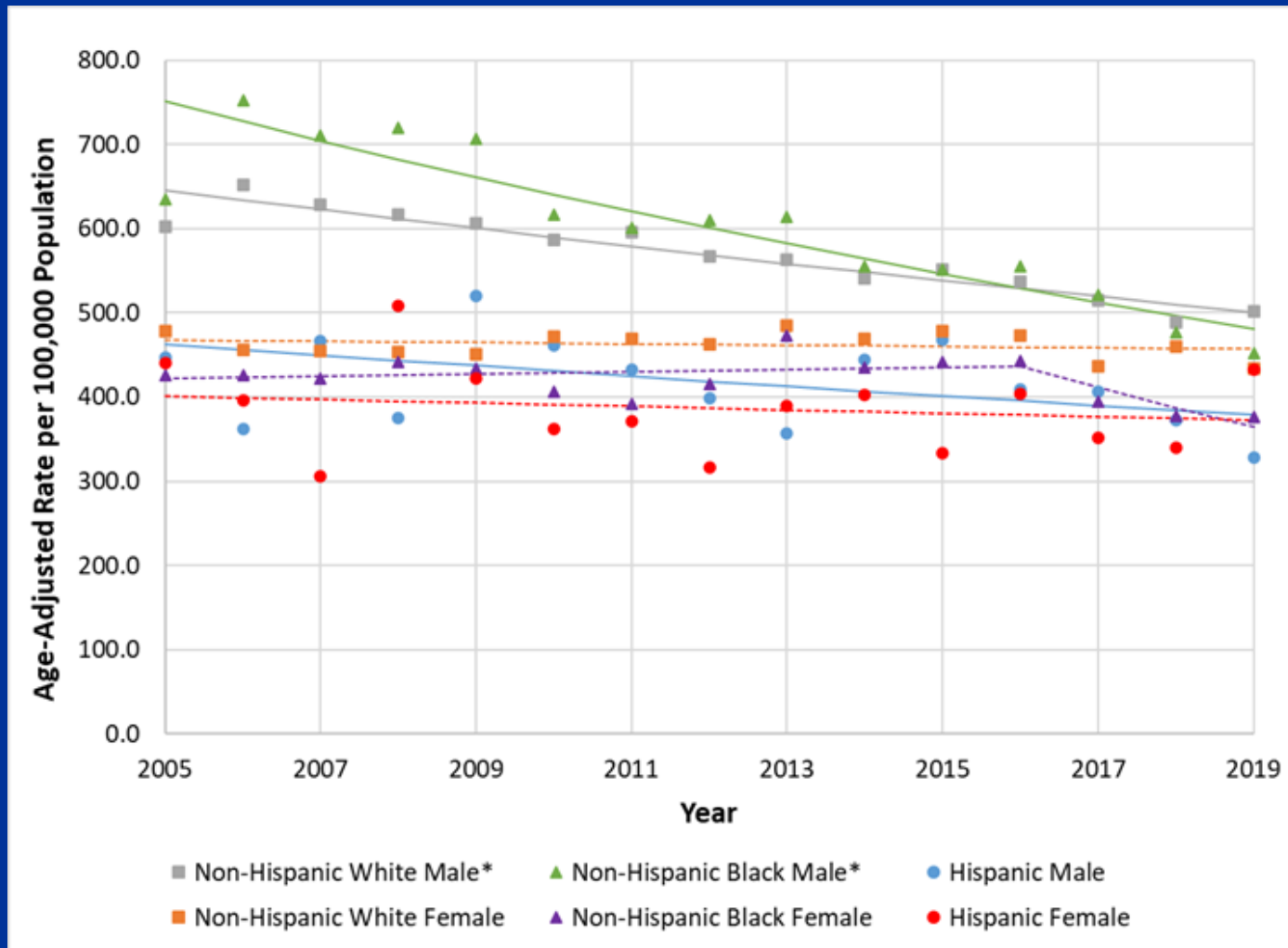
- *Improved* - 2015-2019 rank: 13th; 2014-2018 rank: 10th

Age-Adjusted All-Site Cancer Incidence Rate Trend by Sex; U.S. and Delaware, 2005-2019



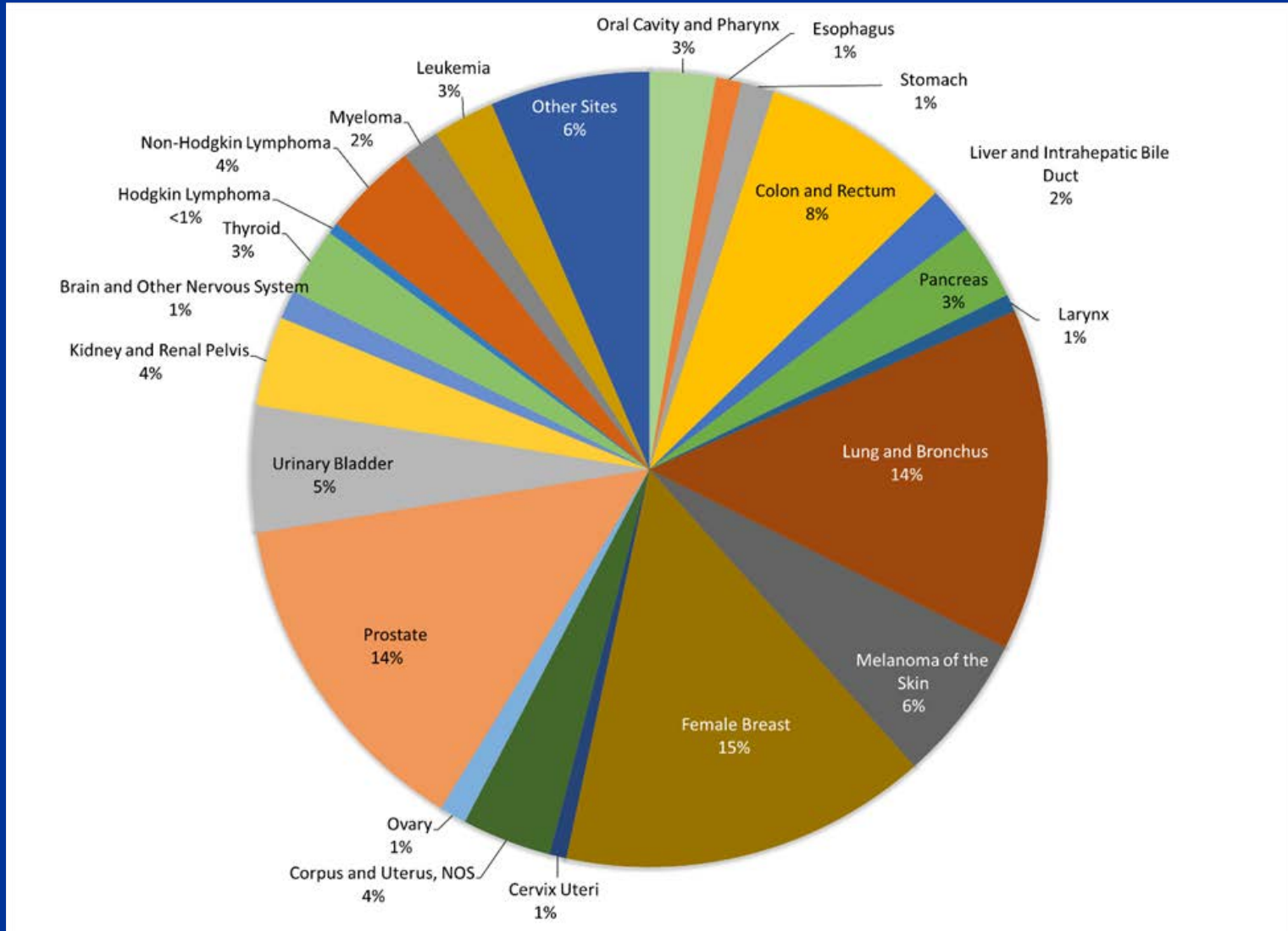
Source: *Cancer Incidence and Mortality in Delaware, 2015-2019*

Age-Adjusted All-Site Cancer Incidence Rate Trend by Sex and Race/Ethnicity; Delaware, 2005-2019



Source: *Cancer Incidence and Mortality in Delaware, 2015-2019*

Percent Distribution of Cancer Cases by Cancer Site, Delaware, 2015-2019




Source: *Cancer Incidence and Mortality in Delaware, 2015-2019*

NOTABLE SITE-SPECIFIC CANCER DETAILS

Site-specific Age-adjusted Incidence Rates by Sex, Delaware, 2015-2019

New for I&M report: tables of rates by cancer site

 DELAWARE HEALTH AND SOCIAL SERVICES Division of Public Health Comprehensive Cancer Control Program					October 2022									
Delaware Cancer Incidence Rates per 100,000 population by site and gender, 2015-2019														
Male and Female					Male					Female				
Cancer Site	DE Rate (All races)	U.S. Rate (All races)	DE Cases (All Races, 2015-2019)	National Ranking (2015-2019)	Cancer Site	DE Rate (All races)	U.S. Rate (All races)	DE Cases (All Races, 2015-2019)	National Ranking (2015-2019)	Cancer Site	DE Rate (All races)	U.S. Rate (All races)	DE Cases (All Races, 2015-2019)	National Ranking (2015-2019)
All Sites	468.8	449.2	29,671	13th	All Sites	513.1	487.9	15,215	11th	All Sites	436.8	423.2	14,456	13th
Lung and Bronchus	61.7	56.3	4,127	17th	Prostate	125.9	109.8	4,057	10th	Female Breast	136.1	128.0	4,392	10th
Colon and Rectum	37.1	37.6	2,284	25th†	Lung and Bronchus	68.8	64.0	2,065	20th	Lung and Bronchus	56.2	50.3	2,062	15th
Melanoma of the Skin	28.9	22.9	1,788	8th†	Colon and Rectum	42.7	43.0	1,193	27th	Colon and Rectum	32.5	33.0	1,091	28th
Urinary Bladder	23.4	19.4	1,524	5th	Urinary Bladder	40.3	33.5	1,164	5th	Uterus	30.6	27.6	1,080	15th
Non-Hodgkin Lymphoma	18.5	19.0	1,153	25th†	Melanoma of the Skin	38.0	29.1	1,092	5th	Thyroid	23.5	20.3	613	12th
Kidney and Renal Pelvis	17.2	17.3	1,081	26th†	Kidney and Renal Pelvis	23.4	23.5	690	26th	Melanoma of the Skin	22.0	18.3	696	14th†
Thyroid	15.9	13.8	817	10th†	Non-Hodgkin Lymphoma	22.6	22.9	637	24th†	Non-Hodgkin Lymphoma	15.2	15.7	516	26th
Pancreas	14.1	13.2	922	6th†	Oral Cavity and Pharynx	19.7	18.2	586	13th†	Pancreas	12.5	11.6	446	6th†
Oral Cavity and Pharynx	12.5	12.0	795	18th†	Leukemia	16.7	17.9	462	32nd	Kidney and Renal Pelvis	11.8	12.0	391	26th†
Leukemia	12.3	14.1	743	40th†	Pancreas	16.1	15.1	476	8th†	Urinary Bladder	10.1	8.4	360	8th†
Liver/Intrahepatic Bile Duct	8.2	8.6	565	23rd	Liver/Intrahepatic Bile Duct	12.7	13.1	408	22nd	Ovary	9.7	10.4	325	35th†
Myeloma	7.0	7.0	455	17th†	Stomach	8.9	8.5	254	12th†	Leukemia	8.8	11.0	281	46th
Stomach	6.3	6.4	399	20th†	Esophagus	8.3	7.9	247	20th†	Cervix	7.7	7.7	203	21st†
Brain/Nervous System	6.1	6.4	347	38th†	Myeloma	8.0	8.6	237	34th†	Oral Cavity and Pharynx	6.3	6.5	209	37th
Esophagus	4.7	4.5	308	26th†	Thyroid	7.7	7.2	204	20th	Myeloma	6.1	5.7	218	13th
Larynx	3.2	3.1	210	22nd	Brain/Nervous System	7.2	7.6	190	37th	Brain/Nervous System	5.2	5.4	157	35th†
Hodgkin Lymphoma	2.8	2.6	133	11th†	Testis	5.2	5.7	116	39th†	Liver/Intrahepatic Bile Duct	4.4	4.8	157	24th†
					Larynx	4.9	5.3	149	20th†	Stomach	4.2	4.6	145	22nd†
					Hodgkin Lymphoma	3.2	2.9	75	10th†	Hodgkin Lymphoma	2.4	2.3	58	14th†
										Esophagus	1.8	1.8	61	22nd†
										Larynx	1.7	1.2	61	7th†

Technical Notes: Rates are per 100,000 population and are age-adjusted to the 2000 U.S. standard population (19 age groups – Census P25–1130) and exclude basal cell and squamous cell skin cancers. Incidence rates exclude in situ carcinomas except urinary bladder. Incidence data were coded using the International Classification of Disease for Oncology (ICD-O) coding system. Delaware cases include Delaware residents only at the time of diagnosis. Delaware rates are referenced as DE and U.S. references the United States.

† One or more states tied with Delaware for listed rank

Source: Delaware: Delaware Department of Health and Social Services, Division of Public Health, Delaware Cancer Registry, 2022.
 United States: National Program of Cancer Registries and Surveillance, Epidemiology, and End Results Program SEER*Stat Database: U.S. Cancer Statistics 2001–2019 Public Use Research Database, 2021 submission
 National rankings were accessed using Centers for Disease Control and Prevention, U.S. Cancer Statistics. Available at https://gis.cdc.gov/Cancer/USCS/?CDC_AA_refVal=https%3A%2F%2Fwww.cdc.gov%2Fcancer%2Fdata%2Findex.htm#/AtAGlance/

Suggested Citation: Delaware Cancer Registry. *Age-Adjusted Cancer Incidence Rates, 2015-2019*. Delaware Department of Health and Social Services, Division of Public Health, 2022

Site-specific Age-adjusted Incidence Rates by Race, Delaware, 2015-2019

New for I&M report: tables of rates by cancer site



DELAWARE HEALTH AND SOCIAL SERVICES
Division of Public Health
Comprehensive Cancer Control Program

October 2022

Delaware Cancer Incidence Rates per 100,000 population by site and race, 2015-2019

Non-Hispanic White				Non-Hispanic Black				Hispanic			
Cancer Site	DE Rate (Both Sexes)	U.S. Rate (Both Sexes)	DE Cases (2015-2019)	Cancer Site	DE Rate (Both Sexes)	U.S. Rate (Both Sexes)	DE Cases (2015-2019)	Cancer Site	DE Rate (Both Sexes)	U.S. Rate (Both Sexes)	DE Cases (2015-2019)
All Sites	481.3	466.5	22,772	All Sites	448.5	453.5	4,987	All Sites	378.8	352.2	942
Breast [♀]	138.2	133.6	3,273	Prostate [♂]	188.1	176	990	Breast [♀]	101.9	99.2	141
Prostate [♂]	107.3	103.5	2,694	Breast [♀]	139.6	127.8	876	Prostate [♂]	48.7	87.2	109
Lung and Bronchus	66.1	60.6	3,427	Lung and Bronchus	54.9	58.2	587	Colon and Rectum	38.5	33.7	92
Melanoma of the Skin	37.5	29.8	1,693	Colon and Rectum	39.7	43	425	Corpus and Uterus, NOS [♀]	30.6	25.5	39
Colon and Rectum	37.4	37.6	1,713	Corpus and Uterus, NOS [♀]	30.1	28.4	203	Lung and Bronchus	30	29.1	57
Corpus and Uterus, NOS [♀]	31.6	27.9	807	Kidney and Renal Pelvis	20.4	19.1	228	Non-Hodgkin Lymphoma	20.8	17.5	50
Urinary Bladder	25.5	21.9	1,302	Pancreas	17.5	16.2	183	Urinary Bladder	18.4	10.8	33
Non-Hodgkin Lymphoma	18.9	19.8	914	Non-Hodgkin Lymphoma	14.7	14.2	157	Thyroid	15.3	13.7	59
Kidney and Renal Pelvis	17.3	17.5	797	Urinary Bladder	14.6	11.5	151	Liver and Intrahepatic Bile Duct	14.6	13.8	32
Thyroid	17.3	14.7	592	Myeloma	12.8	14.3	144	Kidney and Renal Pelvis	14.5	17.5	35
Oral Cavity and Pharynx	14.1	13.3	661	Liver and Intrahepatic Bile Duct	11.3	10.7	139	Leukemia	14.2	11.3	45
Pancreas	13.6	13.2	695	Thyroid	10.1	8.5	109	Stomach	12.4	9.4	28
Leukemia	12.7	14.9	578	Leukemia	9.1	10.9	98	Pancreas	11.6	11.9	21
Ovary [♀]	10.7	10.7	264	Oral Cavity and Pharynx	8.1	8.7	87	Ovary [♀]	--	10	--
Cervix Uteri [♀]	8.2	7.2	142	Stomach	8	9.7	85	Oral Cavity and Pharynx	8.5	7.2	20
Liver and Intrahepatic Bile Duct	7.2	7.3	373	Cervix Uteri [♀]	7.2	8.8	40	Brain and Other Nervous System	7.9	5.2	27
Testis [♂]	7.1	7	96	Ovary [♀]	6.2	8.5	40	Myeloma	7.8	6.8	16
Brain and Other Nervous System	6.6	7.3	266	Brain and Other Nervous System	3.9	4.1	44	Cervix Uteri [♀]	--	9.7	--
Myeloma	5.7	6.1	288	Hodgkin Lymphoma	2.6	2.6	27	Melanoma of the Skin	--	4.7	--
Esophagus	5.6	5	277	Larynx	2.2	4	26	Larynx	--	2.2	--
Stomach	5.6	5.2	267	Esophagus	2	3.7	22	Hodgkin Lymphoma	--	2.3	--
Larynx	3.5	3.2	173	Melanoma of the Skin	--	1	--	Testis [♂]	--	5.4	--
Hodgkin Lymphoma	3	2.8	89	Testis [♂]	--	1.5	--	Esophagus	--	2.8	--

Technical Notes: Rates are per 100,000 population and are age-adjusted to the 2000 U.S. standard population (19 age groups – Census P25–1130) and exclude basal cell and squamous cell skin cancers. Incidence rates exclude in situ carcinomas except urinary bladder. Incidence data were coded using the International Classification of Disease for Oncology (ICD-O) coding system. Delaware cases include Delaware residents only at the time of diagnosis. Delaware rates are referenced as DE and U.S. references the United States.

♂ Rate includes only males

♀ Rate includes only females

-- Rates and frequencies fewer than 16 are suppressed

Source: Delaware: Delaware Department of Health and Social Services, Division of Public Health, Delaware Cancer Registry, 2022.

United States: National Program of Cancer Registries and Surveillance, Epidemiology, and End Results Program SEER*Stat Database: U.S. Cancer Statistics 2001–2019 Public Use Research Database, 2021 submission

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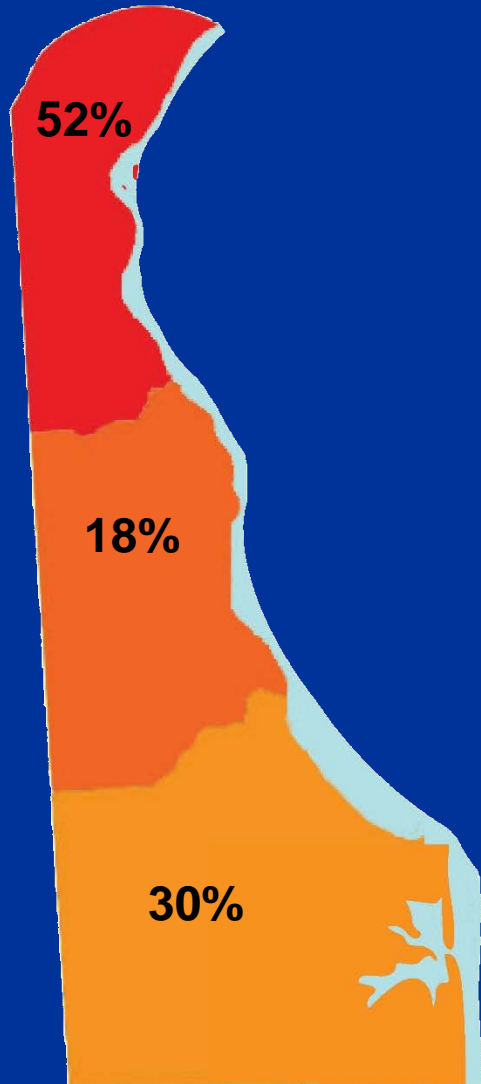
Delaware Cancers Sites with Statistically Significant Differences from the U.S., 2015-2019

Delaware Incidence Rate Statistically Significantly Different from U.S.	Higher or Lower		
	Males and Females	Males	Females
Lung and bronchus	Higher	Higher	Higher
Melanoma	Higher	Higher	Higher
Urinary bladder	Higher	Higher	*
Thyroid	Higher	*	Higher
Leukemia	Lower	*	Lower
Larynx	*	*	Higher
Prostate (male only)	--	Higher	*
Female breast cancer	--	*	Higher
Uterus	--	*	Higher

* *no statistically significant difference*

ALL-SITE CANCER MORTALITY

All-site Cancer Mortality, Delaware, 2015-2019



- 10,363 deaths from cancer
 - average of 2,073 per year
- By sex
 - Male – 53%
 - Female – 47%
- By race/ethnicity
 - Non-Hispanic White – 79%
 - Non-Hispanic Black – 17%
 - Hispanic – 2%

All-Site Cancer Mortality, Delaware vs. U.S., 2015-2019

Delaware: 160.8 per 100,000
Statistically significantly higher than U.S. (152.4 per 100,000)

- *Unchanged* - 2015-2019 rank: 15th; 2014-2018 rank: 15th

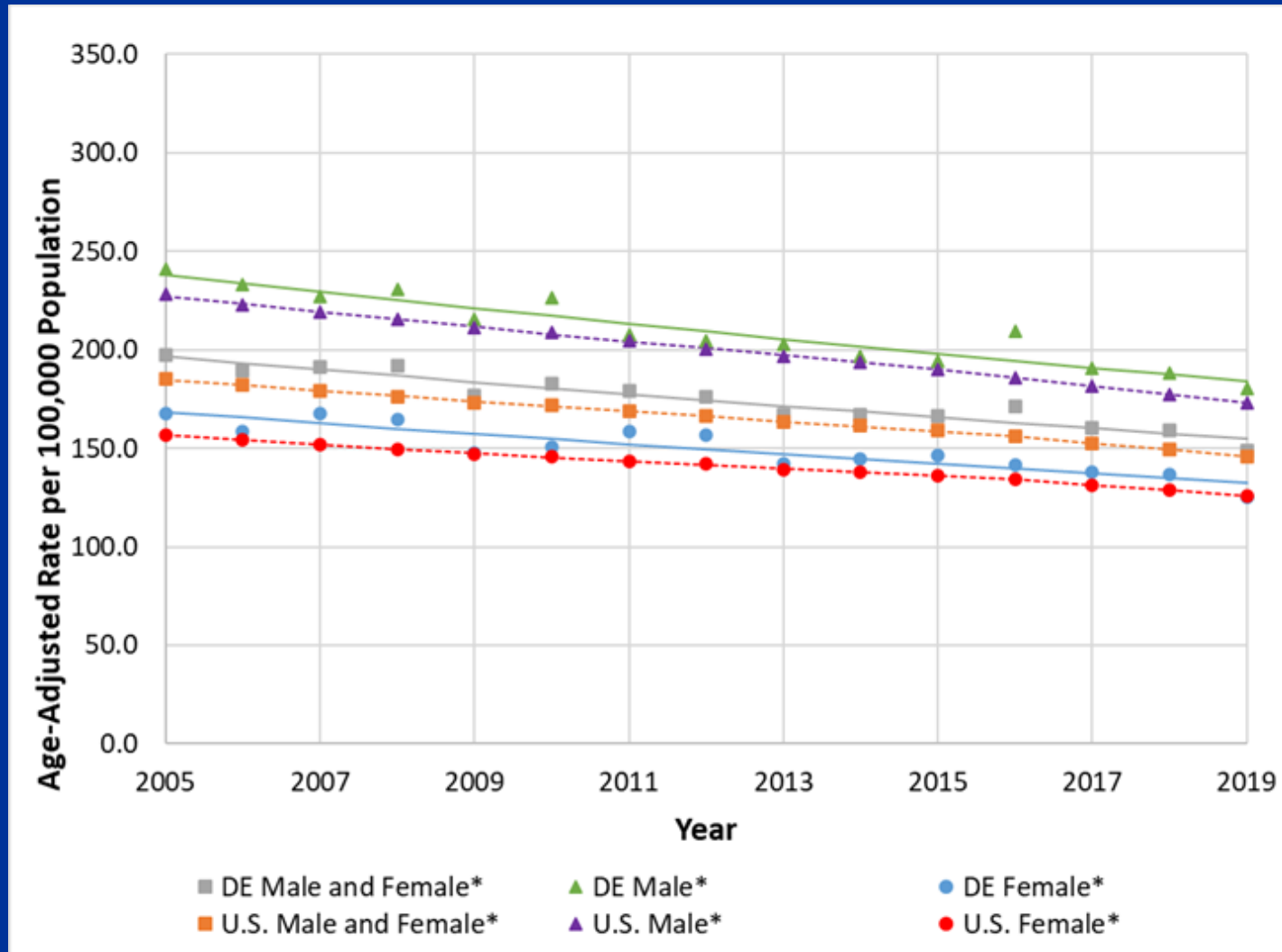
Delaware males: 192.1 per 100,000
Statistically significantly higher than male U.S. (181.4 per 100,000)

- *Worsened* - 2015-2019 rank: 14th; 2014-2018 rank: 18th

Delaware females: 137.4 per 100,000
Statistically significantly higher than U.S. (131.1 per 100,000)

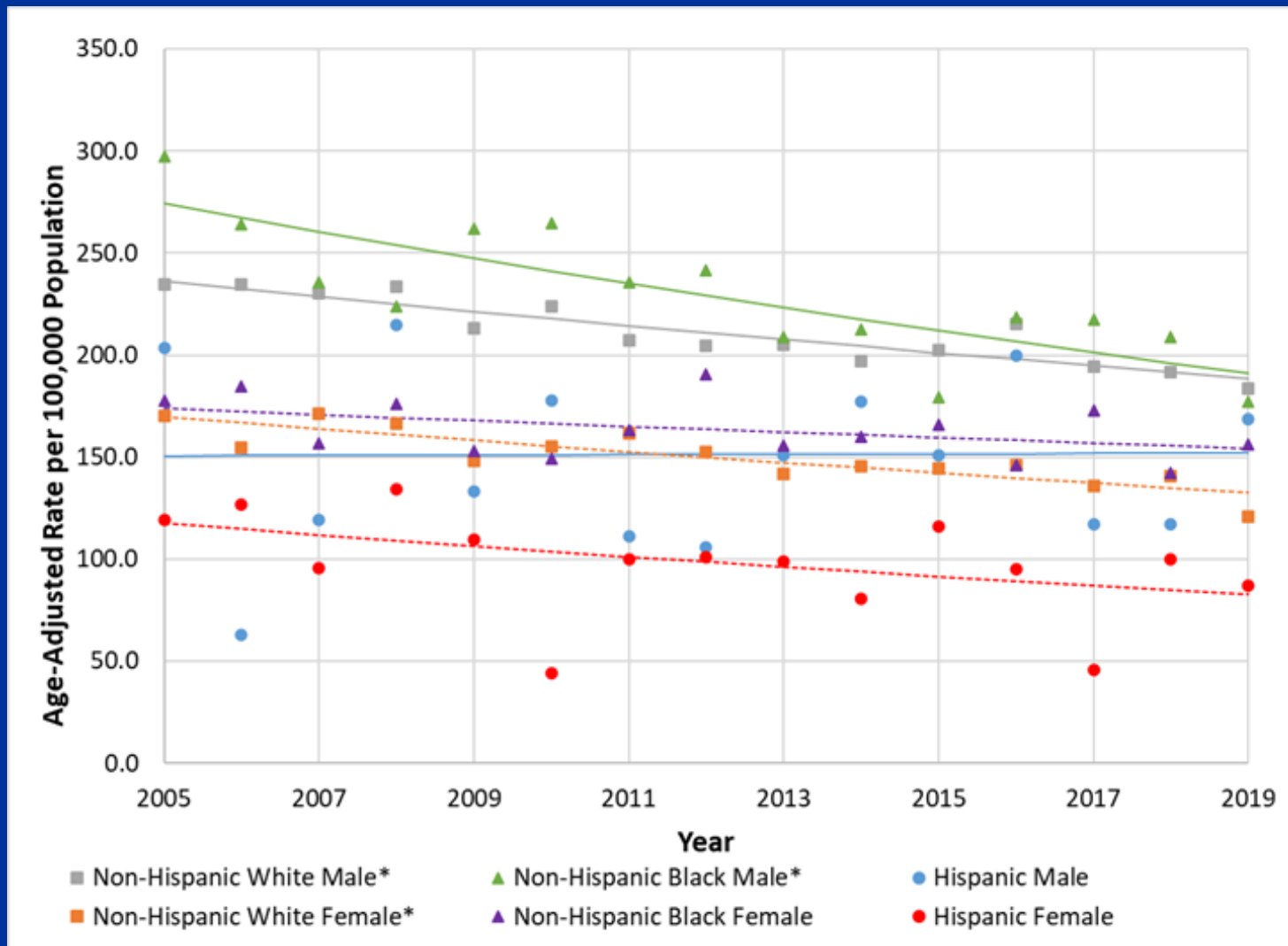
- *Improved* - 2015-2019 rank: 17th; 2014-2018 rank: 15th

Age-Adjusted All-Site Cancer Mortality Rate Trend by Sex; U.S. and Delaware, 2005-2019



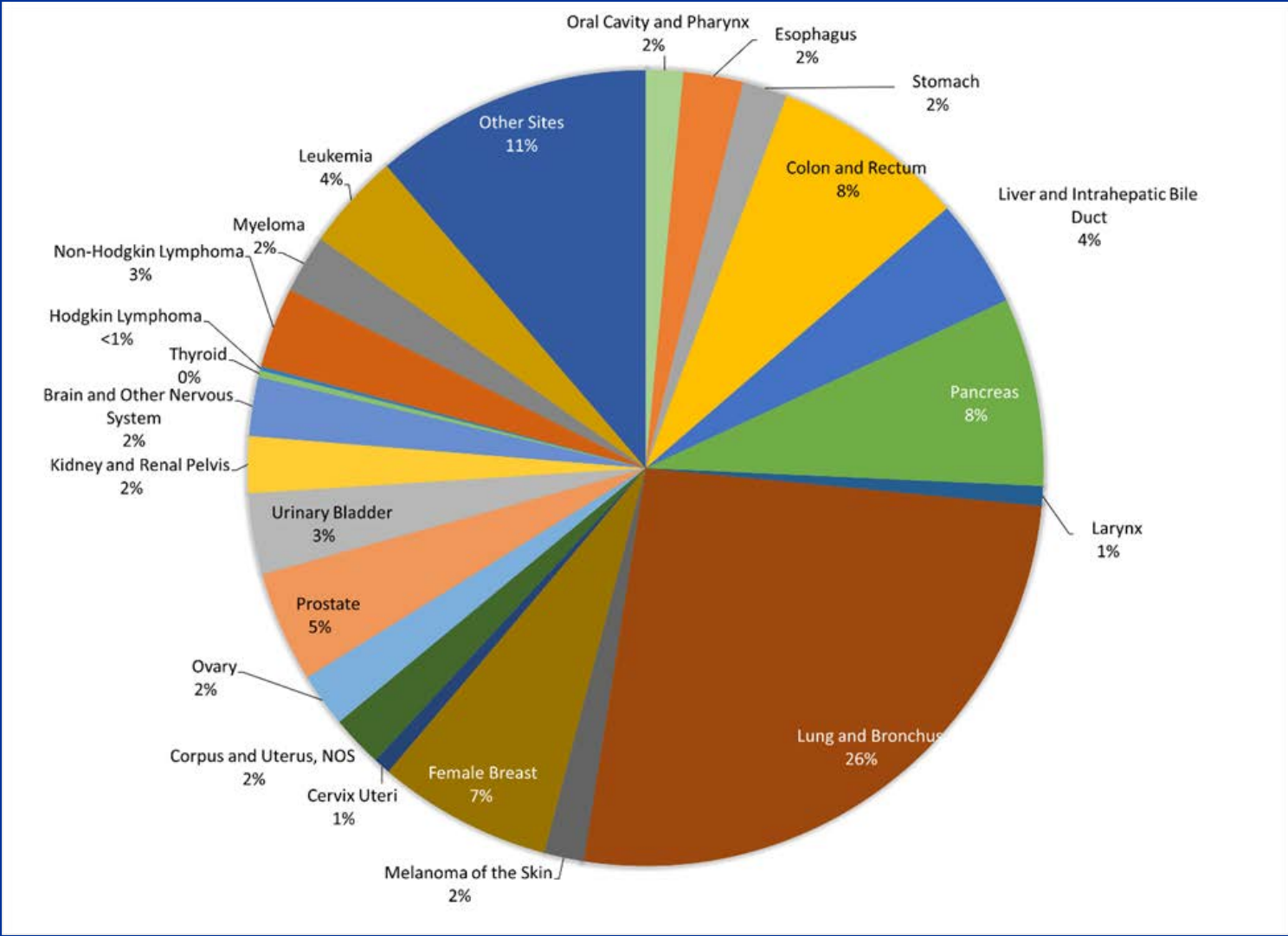
Source: *Cancer Incidence and Mortality in Delaware, 2015-2019*

Age-Adjusted All-Site Cancer Mortality Rate Trend by Sex and Race/Ethnicity; Delaware, 2005-2019



Source: *Cancer Incidence and Mortality in Delaware, 2015-2019*

Percent Distribution of Cancer Deaths by Cancer Site, Delaware, 2015-2019



Source: *Cancer Incidence and Mortality in Delaware, 2015-2019*

NOTABLE SITE-SPECIFIC CANCER DETAILS

Site-specific Age-adjusted Mortality Rates by Sex, Delaware, 2015-2019

New for I&M report: tables of rates by cancer site



DELAWARE HEALTH AND SOCIAL SERVICES
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Delaware Cancer Mortality Rates per 100,000 population by site and gender, 2015-2019

Male and Female

Cancer Site	Male and Female		DE Cases (All Races, 2015-2019)	National Ranking (2015-2019)
	DE Rate (All races)	U.S. Rate (All races)		
All Sites	160.8	152.4	10,362	15th
Lung and Bronchus	40.9	36.7	2,691	15th
Colon and Rectum	13.0	13.4	820	29th†
Pancreas	12.1	11.1	793	5th†
Liver/Intraheptic Bile Duct	6.7	6.6	455	15th†
Leukemia	6.5	6.1	409	11th†
Urinary Bladder	5.4	4.2	341	1st
Non-Hodgkin Lymphoma	5.4	5.3	340	20th†
Brain/Nervous System	4.0	4.4	248	46th
Esophagus	3.9	3.9	252	29th†
Myeloma	3.9	3.2	246	2nd
Kidney and Renal Pelvis	3.6	3.6	238	29th†
Stomach	3.0	2.9	188	15th†
Melanoma of the Skin	2.7	2.2	168	5th†
Oral Cavity and Pharynx	2.4	2.5	157	33rd†
Larynx	1.2	0.9	83	5th†
Thyroid	0.4	0.5	28	37th†
Hodgkin Lymphoma	0.3	0.3	17	7th†

Male

Cancer Site	Male		DE Cases (All Races, 2015-2019)	National Ranking (2015-2019)
	DE Rate (All races)	U.S. Rate (All races)		
All Sites	192.1	181.4	5,498	14th
Lung and Bronchus	49.1	44.5	1,433	17th†
Prostate	17.0	18.9	467	47th
Colon and Rectum	15.5	16.0	439	31st
Pancreas	14.3	12.7	421	4th
Liver/Intraheptic Bile Duct	10.1	9.7	318	12th†
Leukemia	9.6	8.1	263	3rd
Urinary Bladder	9.6	7.3	259	1st
Non-Hodgkin Lymphoma	7.3	6.9	202	15th†
Esophagus	7.0	6.8	206	28th†
Brain/Nervous System	5.4	5.4	151	31st†
Kidney and Renal Pelvis	5.0	5.2	144	32nd†
Myeloma	4.5	4.0	126	9th†
Stomach	4.2	3.9	115	12th
Oral Cavity and Pharynx	4.0	3.9	119	20th†
Melanoma of the Skin	3.9	3.2	110	7th†
Larynx	2.0	1.6	60	8th†
Hodgkin Lymphoma	--	0.4	--	--
Thyroid	--	0.5	--	--
Testis	--	0.3	--	--

Female

Cancer Site	Female		DE Cases (All Races, 2015-2019)	National Ranking (2015-2019)
	DE Rate (All races)	U.S. Rate (All races)		
All Sites	137.4	131.1	4,864	17th
Lung and Bronchus	34.5	30.7	1,258	15th
Female Breast	21.2	19.9	723	10th†
Colon and Rectum	11.0	11.3	381	31st†
Pancreas	10.4	9.6	372	6th†
Ovary	6.4	6.5	228	27th†
Uterus	5.9	5.0	219	2nd†
Leukemia	4.2	4.6	146	45th†
Non-Hodgkin Lymphoma	3.9	4.0	138	23rd†
Liver/Intraheptic Bile Duct	3.8	4.1	137	25th†
Myeloma	3.4	2.5	120	1st
Brain/Nervous System	2.8	3.6	97	49th
Kidney and Renal Pelvis	2.4	2.2	94	21st†
Urinary Bladder	2.3	2.1	82	11th†
Cervix	2.3	2.2	71	18th†
Stomach	2.1	2.1	73	18th†
Melanoma of the Skin	1.7	1.4	58	5th†
Esophagus	1.3	1.4	46	39th†
Oral Cavity and Pharynx	1.1	1.4	38	44th†
Larynx	0.6	0.4	23	3rd
Thyroid	0.5	0.5	19	8th†
Hodgkin Lymphoma	--	0.2	--	--

Technical Notes: Rates are per 100,000 population and are age-adjusted to the 2000 U.S. standard population (19 age groups – Census P25–1130) and exclude basal cell and squamous cell skin cancers. Mortality data were coded using the International Classification of Disease Tenth Revision (ICD-10) coding system. Delaware deaths include Delaware residents only at the time of death. Delaware rates are referenced as DE and U.S. references the United States.

-- Rates based on fewer than 16 deaths are not individually calculated
† One or more states tied with Delaware for listed rank

Source: Delaware: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center, 2022.

United States: Surveillance, Epidemiology, and End Results (SEER) Program, SEER*Stat Database: Mortality - All COD, Aggregated With State, Total U.S. (1990-2020)

National rankings were accessed using Centers for Disease Control and Prevention, U.S. Cancer Statistics. Available at https://gis.cdc.gov/Cancer/USCS/?CDC_AA_refVal=https%3A%2F%2Fwww.cdc.gov%2Fcdcancer%2Fdataviz%2Findex.htm#/AtAGlance/

Suggested Citation: Delaware Cancer Registry. *Age-Adjusted Cancer Mortality Rates, 2015-2019*. Delaware Department of Health and Social Services, Division of Public Health, 2022.

Site-specific Age-adjusted Mortality Rates by Race, Delaware, 2015-2019

New for I&M report: tables of rates by cancer site



DELAWARE HEALTH AND SOCIAL SERVICES
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Delaware Cancer Mortality Rates per 100,000 population by site and race, 2015-2019

Non-Hispanic White

Cancer Site	DE Rate (Both Sexes)	U.S. Rate (Both Sexes)	DE Cases (2015-2019)
All Sites	163.5	157.1	8,195
Lung and Bronchus	43.0	39.8	2,216
Breast [♀]	20.5	19.9	540
Prostate [♂]	14.9	17.8	328
Colon and Rectum	13.2	13.3	638
Pancreas	11.8	11.2	606
Ovary [♀]	6.9	6.9	186
Leukemia	6.7	6.5	338
Liver and Intrahepatic Bile Duct	6.1	5.9	311
Urinary Bladder	5.8	4.7	295
Non-Hodgkin Lymphoma	5.7	5.5	281
Corpus and Uterus, NOS [♀]	5.1	4.6	147
Brain and Other Nervous System	4.7	5.1	213
Esophagus	4.5	4.4	222
Kidney and Renal Pelvis	3.9	3.7	198
Melanoma of the Skin	3.3	2.8	160
Myeloma	3.3	2.9	167
Stomach	2.5	2.2	121
Cervix Uteri [♀]	2.5	2.0	51
Oral Cavity and Pharynx	2.4	2.7	119
Larynx	1.2	0.9	60
Thyroid	0.5	0.5	25
Hodgkin Lymphoma	--	0.3	--
Testis [♂]	--	0.3	--

Non-Hispanic Black

Cancer Site	DE Rate (Both Sexes)	U.S. Rate (Both Sexes)	DE Cases (2015-2019)
All Sites	172.6	178.5	1,775
Lung and Bronchus	39.8	39.2	408
Prostate [♂]	32.5	37.9	120
Breast [♀]	27.5	28.0	163
Pancreas	15.2	13.7	156
Colon and Rectum	14.9	18.1	151
Corpus and Uterus, NOS [♀]	10.3	9.0	65
Liver and Intrahepatic Bile Duct	9.9	8.5	113
Myeloma	6.0	6.0	61
Ovary [♀]	5.9	5.9	37
Leukemia	5.1	5.3	51
Stomach	4.3	5.1	44
Urinary Bladder	4.2	3.4	39
Non-Hodgkin Lymphoma	3.5	4.0	37
Kidney and Renal Pelvis	3.2	3.5	34
Cervix Uteri [♀]	3.1	3.4	18
Brain and Other Nervous System	2.3	2.7	27
Oral Cavity and Pharynx	2.1	2.6	23
Esophagus	2.1	3.0	23
Larynx	1.6	1.5	18
Thyroid	--	0.5	--
Melanoma of the Skin	--	0.3	--
Testis [♂]	--	0.1	--
Hodgkin Lymphoma	--	0.2	--

Hispanic

Cancer Site	DE Rate (Both Sexes)	U.S. Rate (Both Sexes)	DE Cases (2015-2019)
All Sites	116.6	110.0	243
Lung and Bronchus	18.8	16.2	37
Prostate [♂]	--	15.7	--
Breast [♀]	--	13.8	--
Colon and Rectum	10.8	10.9	23
Liver and Intrahepatic Bile Duct	10	9.3	22
Non-Hodgkin Lymphoma	--	4.5	--
Pancreas	--	8.7	--
Stomach	6.7	4.9	16
Myeloma	--	2.7	--
Leukemia	--	4.4	--
Corpus and Uterus, NOS [♀]	--	4.2	--
Oral Cavity and Pharynx	--	1.5	--
Urinary Bladder	--	2.4	--
Brain and Other Nervous System	--	3.1	--
Kidney and Renal Pelvis	--	3.4	--
Larynx	--	0.6	--
Esophagus	--	2.0	--
Melanoma of the Skin	--	0.7	--
Cervix Uteri [♀]	--	2.5	--
Ovary [♀]	--	5.0	--
Hodgkin Lymphoma	--	0.3	--
Testis [♂]	--	0.3	--
Thyroid	--	0.7	--

Technical Notes: Rates are per 100,000 population and are age-adjusted to the 2000 U.S. standard population (19 age groups – Census P25–1130) and exclude basal cell and squamous cell skin cancers. Mortality data were coded using the International Classification of Diseases Tenth Revision (ICD-10) coding system. Delaware deaths include Delaware residents only at the time of death. Delaware rates are referenced as DE and U.S. references the United States.

♂ Rate includes only males

♀ Rate includes only females

-- Rates based on fewer than 16 deaths are not individually calculated

Source: Delaware: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center, 2022.

United States: Surveillance, Epidemiology, and End Results (SEER) Program, SEER*Stat Database: Mortality - All COD, Aggregated With State, Total U.S. (1990-2020)

National rankings were accessed using Centers for Disease Control and Prevention, U.S. Cancer Statistics. Available at https://gis.cdc.gov/Cancer/USCS/?CDC_AA_refVal=https%3A%2F%2Fwww.cdc.gov%2Fcancer%2Fdataviz%2Findex.htm#/AtAGlance

Suggested Citation: Delaware Cancer Registry. *Age-Adjusted Cancer Mortality Rates, 2015-2019*. Delaware Department of Health and Social Services, Division of Public Health, 2022

Delaware Cancers Sites with Statistically Significant Differences from the U.S., Males and Females, 2015-2019

Delaware Mortality Rate Statistically Significantly Different from U.S.	Higher or Lower		
	Males and Females	Males	Females
Lung and bronchus	Higher	Higher	Higher
Pancreas	Higher	*	*
Urinary bladder	Higher	Higher	*
Myeloma	Higher	*	Higher
Melanoma	Higher	*	*
Larynx	Higher	*	Higher
Prostate (male only)	--	Lower	*
Uterus (female only)	--	*	Higher
Leukemia	*	Higher	*

* *no statistically significant difference*

Cancer Screening

- The Behavioral Risk Factor Survey (BRFS) collects information on cancer screening (data from 2020)
- **Breast cancer** – Delaware ranks 17th nationally for mammography.
 - 73% of Delaware females 40 and older were screened for breast cancer in the previous 2 years compared to 72% nationally
- **Colorectal cancer** – Delaware ranks 10th nationally for meeting USPSTF colorectal cancer screening.
 - 77% of Delawareans met the USPSTF recommendations compared to 74% nationally
- **Prostate cancer** – Delaware ranks 15th for PSA tests.
 - 33% of Delaware males 40 and older has a PSA test in the past 2 years compared to 32% nationally
- **Lung cancer** – No rank information since only five states participate in module
 - Of Delaware adults eligible for lung cancer screening, only 14.6% reported having a CT scan to screen for lung cancer

Cancer Prevention

- The Behavioral Risk Factor Survey (BRFS) collects information on cancer screening (data from 2020)
- **Tobacco use is the leading risk factor.**
 - In 2020, 15% of Delawareans were current smokers, almost the same as nationally (16%).
 - Contributes to many cancers including lung, esophagus, kidney, urinary bladder, stomach, and pancreas
- **Overweight/Obesity**
 - In 2020, 69% of Delawareans 18 years of age and older were overweight or obese, compared to 67% nationally.
- **Physical Activity**
 - In 2019, 37% of adults 18 years of age and older did not meet aerobic or strengthening guidelines, same as nationally
- **Dietary Fruits and Vegetables**
 - In 2019, 14% of adults consumed five or more servings of fruits and/or vegetables a day, almost the same as nationally (13%)

Notable Demographic Disparities/Inequities

- **Breast cancer**
 - **Non-Hispanic black women** (27.5 deaths per 100,000 population) have a higher mortality rate for breast cancer compared to non-Hispanic white women (20.5 per 100,000).
- **Prostate cancer**
 - **Non-Hispanic black men** (32.5 deaths per 100,000 population) have a higher mortality rate for prostate cancer compared to non-Hispanic white men (14.9 per 100,000).
- **Colorectal cancer**
 - **Delaware males** (15.5 deaths per 100,000 population) have a higher age-adjusted mortality rate for colorectal cancer compared to Delaware females (11.0 deaths per 100,000 population).
 - **Non-Hispanic black** (14.9 deaths per 100,000 population) have a higher mortality rate for colorectal cancer compared to non-Hispanic white (13.2 per 100,000) and Hispanic (10.8 per 100,000) Delawareans.
- **Lung cancer**
 - **Delaware males** (49.1 deaths per 100,000 population) have a higher age-adjusted mortality rate for lung and bronchus cancer compared to Delaware females (vs 34.5 deaths per 100,000 population).
 - **Non-Hispanic white** (43.0 deaths per 100,000 population) have a higher mortality rate for lung cancer compared to non-Hispanic black (39.8 deaths per 100,000) and Hispanic (18.8 deaths per 100,000) Delawareans.

All DPH cancer reports can be found at:

[http://dhss.delaware.gov/
dph/dpc/cancer.html](http://dhss.delaware.gov/dph/dpc/cancer.html)

For more information on cancer statistics from other states and the United States, visit CDC's data visualization tool:

<https://gis.cdc.gov/Cancer/USCS/#/AtAGlance/>



DELAWARE HEALTH AND SOCIAL SERVICES
Division of Public Health
Comprehensive Cancer Control Program

Discussion/Wrap Up

Helen Arthur, MHA
Section Chief, Health Promotion and Disease Prevention
Division of Public Health

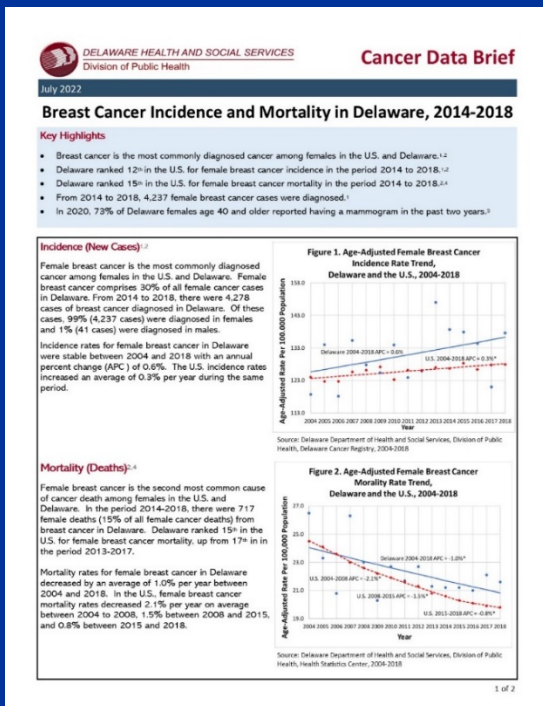


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Today's Discussion

- Cancer I&M Reporting: Structure Change
- Cancer I&M Reporting: Partnerships in Data Research
- Screening For Life/Data Enhancement Project
- Strengthening Survivorship Expanding into Mental Health Clinics
- Future - Request for Proposal (RFP) for Cancer Prevention and Control: Screening, Quality Improvement and Facilitation

Cancer I&M Reporting: Structure Changes

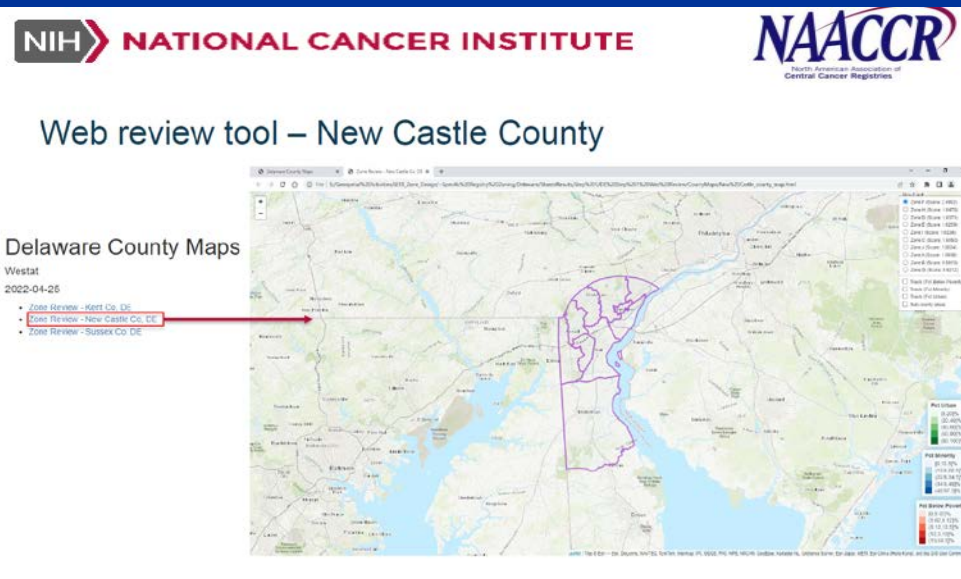


I&M Report Changes

- Data briefs (2-3 pages) are planned following National Cancer Awareness month schedule
- Next release in October on prostate cancer (a month late), but a lung cancer data brief will be released in November
- Annual reporting will continue as presented today

NCI/NAACCR Project

- Goal:** Create sub-county zones (aggregated census-tracts), for sound reporting and yield more meaningful information on focus areas
- Progress:** Currently reviewing zone possibilities with input from **Epi Working Group** (includes Epis across Division of Public Health)



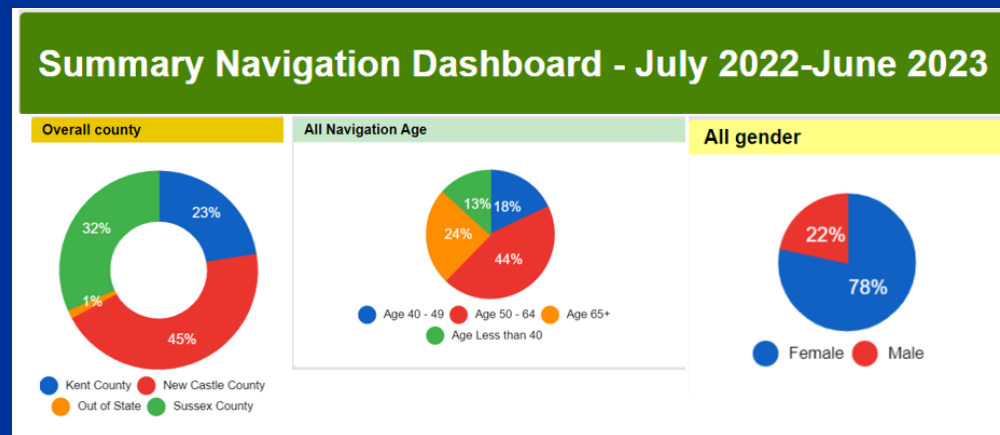
Cancer I&M Reporting: Partnerships in Data Research

- Cancer Prevention and Control Integrations:**
 - Increased collaboration among cancer program managers with increased data sharing
 - Delaware Cancer Registry data shared will be enhanced to help improve program planning and policy
 - Five-year state cancer plan
 - Build partnerships in the community for cancer research



Screening For Life/Data Enhancement Project

- **Centralized location for cancer program data**
 - Using Smartsheets for integration
 - Collecting data on:
 - Patient Navigation/ Screening for Life
 - Health Promotion Advocates/Health Care Connection
 - Delaware Cancer Treatment Program
 - Standardized data reporting
- **Creating data dashboard for each program**
 - Holistic view of program data that can be easily shared



Source: Cancer Prevention and Control, Patient Navigation, Smartsheets, October 2022

Strengthening Survivorship by Expanding into Mental Health Clinics

CANCER SURVIVORSHIP IN DELAWARE

In 2019, more than 16.9 million cancer survivors lived in the U.S.
By 2030, that number is projected to reach more than 22.1 million.

- American Cancer Society



ANXIETY AND DISTRESS

In long term cancer survivors, anxiety and distress are more common than in their peers who have never had cancer.

APPROACHES for Coping with Anxiety and Distress:

- Acceptance and Commitment Therapy (for fear of recurrence)
- Storytelling (help survivors and caregivers cope)
- Exercising together
- Telehealth (for rural areas)
- Resources
- Finding a silver lining

For more information on these approaches speak to your healthcare professional or visit: https://www.cancer.gov/news-events/cancer-currents-blog/2020/cancer-survivors-managing-anxiety-distress?cid=eb_govdel

There are a variety of programs available to cancer survivors in Delaware through Cancer Support Community Delaware.

The Cancer Support Community provides assistance in addressing the unique post-treatment needs of survivors including support groups, health coaching, educational workshops and mind-body stress reduction.

You can find contact information and more program details on the Cancer Support Community Delaware website here: <https://cancersupportdelaware.org/>, or by calling the location closest to you:

New Castle County
Wilmington: 302-995-2850



REMEMBER TO ASK YOUR DOCTOR IF YOU ARE UP-TO-DATE ON CANCER SCREENINGS!

- **Breast** - all women age 50 - 74
- **Cervical** - all women age 21 to 65
- **Colorectal** - men and women age 50 to 75
- **Lung** - men and women age 55 to 80, who meet certain criteria
- **Prostate** - men age 50 and older, African-American men age 40 and older

CANCER RELATED FATIGUE

The most common side effect of cancer and cancer treatment is fatigue. **What can you do?**

- Talk with your healthcare provider
- Rest, but not too much
- Physical activity/exercise
- Get enough sleep
- Plan/Prioritize activities
- Follow a healthy diet
- Stay socially active
- Manage anxiety and depression/emotional support

For more information speak to your healthcare professional or visit: <https://www.cancer.org/treatment/treatments-and-side-effects/physical-side-effects/fatigue/managing-cancer-related-fatigue.html>

CANCER THRIVING AND SURVIVING SELF-MANAGEMENT PROGRAM

Free 6 week sessions for persons dealing with life after cancer. The program provides tools for living a healthier life.

- Small groups
- 2.5 hours per session
- 1 Session per week for 6 weeks

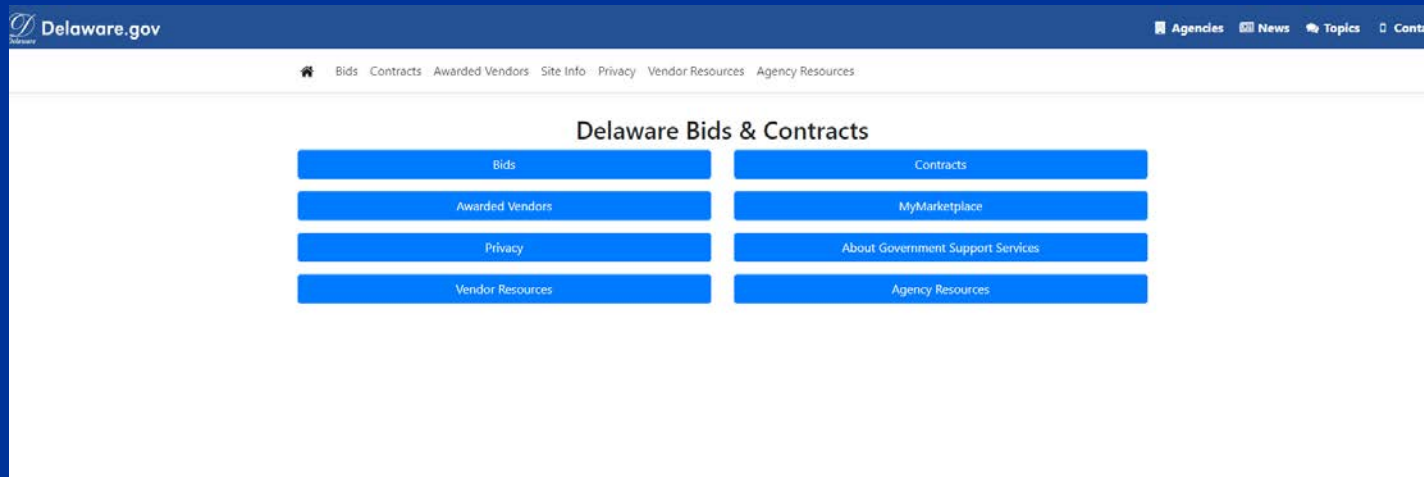
Goal: To provide individualized mental health counseling to cancer survivors and caregivers

Service: Six individualized therapy sessions per person, plan to serve 45 people in first year

Selection: Include providers who speak Spanish and or Haitian Creole, sensitive to LGBTQIA+, and offer telehealth and in-person therapy sessions

Future - **Request for Proposal (RFP)** for Cancer Prevention and Control: Screening, Quality Improvement and Facilitation

- Information will be available soon
- General information about any related RFP information will be shared with all CPC Bureau partners



Delaware Bids and Contracts: <https://mmp.delaware.gov/>

THANK YOU!



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