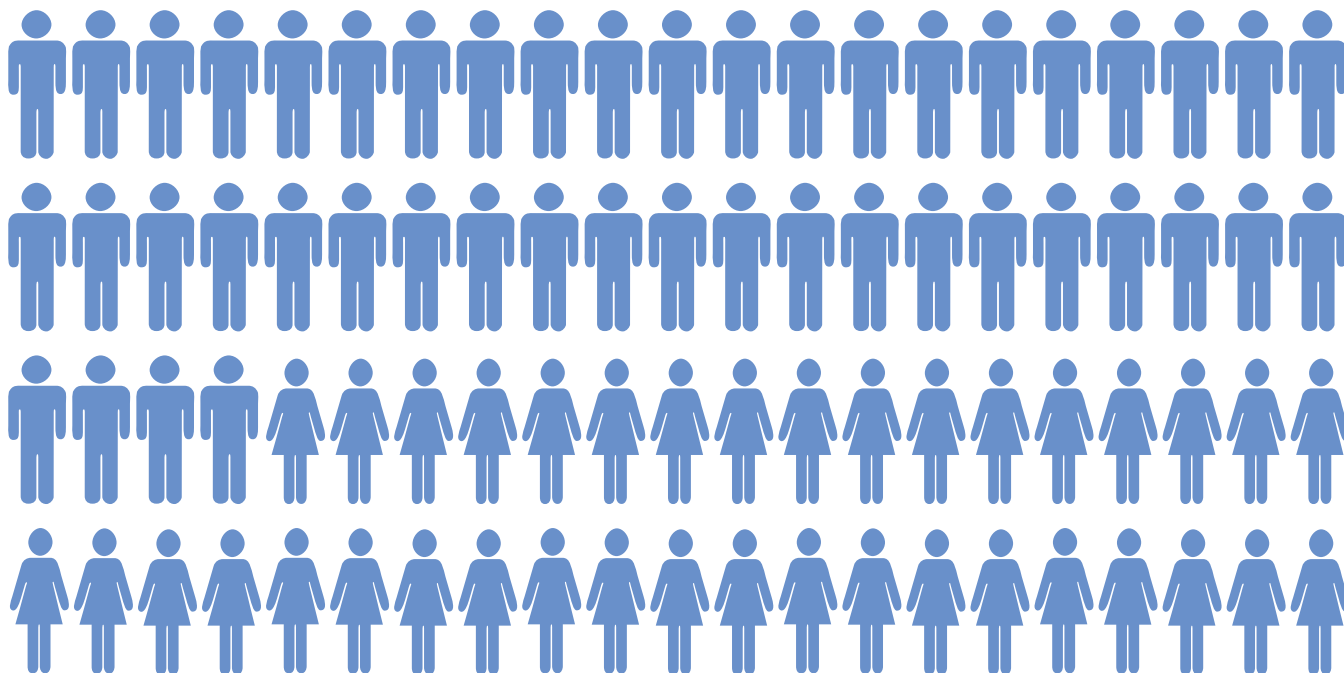


Facts & Figures

Cancer in Wisconsin



84 Number of Wisconsin residents who are diagnosed with cancer every day

285,687

Number of Wisconsin residents living with a cancer diagnosis*

32,970

Number of expected new invasive cancer cases in Wisconsin*

3,060

Number of expected lung cancer deaths in Wisconsin. Lung cancer causes more deaths in Wisconsin than prostate, breast, and colorectal cancers combined.*

4,730

Number of Wisconsin women expected to be diagnosed with invasive breast cancer – the most commonly diagnosed cancer among women after skin cancer*

2,520

Number of Wisconsin residents expected to be diagnosed with colorectal cancer – the third most commonly diagnosed cancer among men and women*

*Estimates for 2016

Cancer in Wisconsin

Overview

In Wisconsin from 2009 to 2013, an average of 30,674 residents were diagnosed with invasive cancers and more than 11,286 died of these diseases each year. Males have higher cancer incidence and mortality rates than females in the state, and cancer rates increase with age, most dramatically after age 50. Figure 1 displays the leading cancer sites by percentage of new invasive cases and cancer deaths among females and males, respectively. The overall cancer incidence and mortality rates in Wisconsin are higher than rates reported nationwide (Tables 1 and 2).

Cancer Incidence

Table 1 shows the 2009-2013 average annual new cases and age-adjusted incidence rates for 23 common cancers by sex in Wisconsin, along with national comparisons. For all cancer sites combined, the state incidence rate (468.2 per 100,000) was higher than the national rate (455.5 per 100,000). Among the four most common cancers,

colorectal, breast, and prostate cancer incidence rates were lower, but lung cancer incidence was higher in Wisconsin compared to the national rates. The lung cancer incidence rate was 61.1 per 100,000 for the state, higher than the national lung cancer incidence rate of 56.3 per 100,000.

Prostate cancer is the most frequently diagnosed cancer among Wisconsin males, representing 25% of all newly diagnosed cancers. Breast cancer remains the most frequently diagnosed cancer in Wisconsin women, representing 29% of all female cancer diagnoses. Overall, lung cancer continues to be the most frequently diagnosed cancer in the state for both men and women combined.

Cancer Mortality

Cancer is currently the leading cause of death in Wisconsin, with a 2013 mortality rate of 164.6. Heart disease is the second-leading cause of death, with a mortality rate of 158.1 that same year. While mortality rates for both diseases are declining, heart disease mortality has dropped more quickly than cancer mortality in recent years.

Table 1. Average Annual Number of Cancer Cases and Age-adjusted Rates by Sex, Wisconsin and US, 2009-2013

	Total WI Cases	Total WI Rate	Total US Rate	Male WI Cases	Male WI Rate	Male US Rate	Female WI Cases	Female WI Rate	Female US Rate
All Sites	30,674	468.2	455.5	15,721	517.9	508.1	14,953	433.5	419.1
Brain and other nervous system	461	7.4	6.6	253	8.5	7.7	208	6.4	5.6
Cervix uteri							179	6.0	6.7
Colon and rectum	2,570	39.1	39.9	1,328	44.6	45.5	1,241	34.3	35.2
Corpus and uterus							1,030	28.8	27.3
Esophagus	352	5.2	4.4	279	9.1	7.6	73	2.0	1.8
Female breast							4,312	127.2	129.6
Hodgkin lymphoma	885	3.0	2.8	95	3.3	3.1	82	2.8	2.4
Kidney and renal pelvis	1,131	17.2	15.3	717	23.3	21.2	414	12.0	10.3
Larynx	234	3.4	3.0	189	5.9	5.4	45	1.3	1.0
Leukemia	1,092	17.0	14.0	645	22.1	18.0	447	13.0	10.9
Liver and intrahepatic bile duct	428	6.3	8.4	297	9.3	12.9	131	3.6	4.4
Lung and bronchus	4,026	61.1	56.3	2,097	70.3	65.6	1,929	54.5	49.5
Melanoma of the skin	1,367	21.5	23.4	763	25.4	29.8	604	18.9	18.8
Myeloma	453	6.9	6.7	252	8.5	8.5	201	5.6	5.4
Non-Hodgkin lymphoma	1,347	20.8	20.3	737	25.0	24.9	610	17.3	16.6
Oral cavity and pharynx	790	11.8	11.1	547	17.1	16.5	243	7.0	6.4
Ovary							422	12.3	12.3
Pancreas	860	12.9	12.8	442	14.7	14.5	418	11.4	11.4
Prostate				3,929	122.0	132.9			
Stomach	412	6.3	7.1	272	9.1	9.7	140	4.0	5.0
Testis				185	6.8	6.0			
Thyroid	762	12.8	14.6	194	6.5	7.4	568	19.1	21.7
Urinary bladder	1,524	23.1	20.6	1,158	40.0	36.2	366	10.0	8.8

Rates are per 100,000 and age-adjusted to the 2000 US standard population.

Source: Wisconsin Cancer Reporting System, Office of Health Informatics, Division of Public Health, Department of Health Services and SEER*Stat Database Incidence (9 regs.) Research Data.

Table 2. Average Annual Number of Cancer Deaths and Age-adjusted Rates by Sex., Wisconsin and US, 2009-2013

	Total WI Deaths	Total WI Rate	Total US Rate	Male WI Deaths	Male WI Rate	Male US Rate	Female WI Deaths	Female WI Rate	Female US Rate
All Sites	11,286	169.7	168.5	5,932	205.2	204.0	5,354	144.7	143.4
Brain and other nervous system	315	4.9	4.3	175	5.8	5.3	140	4.1	3.5
Cervix uteri							48	1.4	2.3
Colon and rectum	950	14.2	15.1	483	16.8	18.1	467	12.1	12.7
Corpus and uterus	171	2.5	2.5				171	4.6	4.5
Esophagus	321	4.7	4.1	255	8.4	7.4	66	1.7	1.5
Female breast							767	20.9	21.5
Hodgkin lymphoma	24	0.4	0.4	14	0.5	0.5	10	0.3	0.3
Kidney and renal pelvis	289	4.3	3.9	188	6.3	5.7	101	2.7	2.5
Larynx	55	0.8	1.1	44	1.5	1.9	11	0.3	0.4
Leukemia	519	8.0	6.9	304	10.9	9.3	215	5.8	5.2
Liver and intrahepatic bile duct	355	5.3	6.1	231	7.5	9.1	124	3.4	3.6
Lung and bronchus	2,967	44.9	46.0	1,612	54.9	57.8	1,355	37.5	37.0
Melanoma of the skin	175	2.7	2.7	120	4.1	4.1	55	1.5	1.7
Myeloma	239	3.6	3.3	134	4.7	4.2	105	2.7	2.7
Non-Hodgkin lymphoma	430	6.5	6.0	234	8.4	7.7	196	5.1	4.7
Oral cavity and pharynx	164	2.4	2.4	112	3.6	3.8	52	1.4	1.3
Ovary							281	7.7	7.5
Pancreas	765	11.4	10.9	389	13.1	12.5	376	10.0	9.5
Prostate				601	22.4	20.7			
Stomach	187	2.8	3.3	113	3.9	4.5	74	2.0	2.4
Testis				6	0.2	0.3			
Thyroid	36	0.5	0.5	15	0.5	0.5	21	0.6	0.5
Urinary bladder	317	4.7	4.4	232	8.4	7.7	85	2.2	2.2

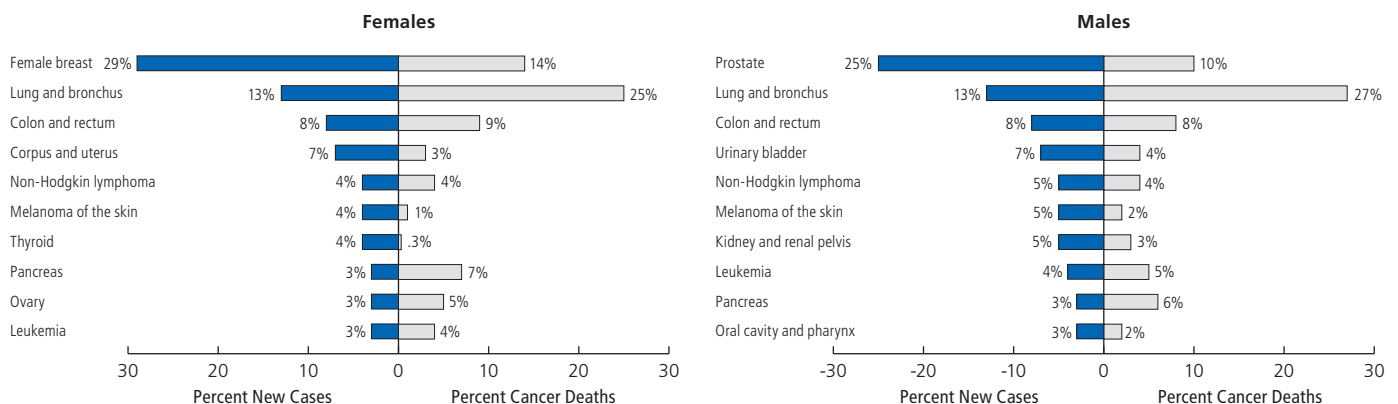
Rates are per 100,000 and age-adjusted to the 2000 US standard population.

Source: SEER *Stat Database: Mortality - COD (1990-2013). Underlying data provided by the National Center for Health Statistics.

The 2009-2013 cancer mortality rate in Wisconsin for all sites was similar to the national rate (169.7 compared to 168.5). Lung cancer remains the leading cause of cancer deaths among both males and females in the state, with an annual average of 1,612 men and 1,355 women dying from the disease (Table 2).

The positive side, however, is that from 1995 to 2013 overall cancer mortality rates for both males and females in Wisconsin declined approximately 23% and 14%, respectively. This decline in mortality is attributed to the increase in early detection, better treatments, and increased awareness of risk reduction behaviors.

Figure 1. Leading Cancer Sites: Percentage of New Cases and Deaths among Females and Males in Wisconsin, 2009-2013



Source: Wisconsin Cancer Reporting System and National Center for Health Statistics.



Wisconsin Department of Health Services

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