

## **Cancer in Minnesota, 2009: Preliminary Report**

### **Suggested citation**

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## **Cancer in Minnesota, 2009: Preliminary Report**

This brief report provides preliminary information on cancer incidence and mortality in Minnesota in 2009, the most recent year for which case-reporting to the Minnesota Cancer Surveillance System (MCSS) is judged to be at least 90% complete.

Incidence data are based on cases reported to MCSS as of November 2010. The number of newly diagnosed cancers will increase over the next year as final case-finding efforts are completed. The number of cancer deaths for 2009 are considered final. In addition, the incidence and mortality rates reported here may vary somewhat from those presented in future reports if population estimates for 2009 are revised.

Table 1 shows the number of new cancers diagnosed among Minnesota residents during 2009 by gender and anatomic site of the cancer and the corresponding age-adjusted rate per 100,000 persons per year. Table 2 shows the number of cancer deaths among Minnesota residents during 2009 by gender and anatomic site of the cancer and the corresponding age-adjusted rate per 100,000 persons per year.

The statistical methods and definitions used and limitations of the data presented in this preliminary report are the same as those detailed in "*Cancer in Minnesota, 1988-2006*," available on the MCSS web site (<http://www.health.state.mn.us/divs/hpcd/cdee/mcss/>).

For more information, please visit the MCSS web site, telephone the MCSS office at (651) 201-5900, or write to MCSS, P.O. Box 64882, St. Paul, MN 55164-0882.

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**Table 1: Preliminary Cancer Incidence by Site and Gender, Minnesota, 2009**

	Number of New Cases			Age-Adjusted Incidence Rate		
	Male	Female	Total	Male	Female	Total
All Sites Combined	12,328	11,323	23,651	475.0	382.2	420.6
Brain and Other						
Nervous System	194	131	325	7.3	4.7	5.9
Breast	27	3,513	3,540	1.0	118.1	62.3
Cervix Uteri	0	165	165	~	6.3	~
Colon and Rectum	1,110	1,081	2,191	43.6	35.3	39.0
Corpus Uteri	0	810	810	~	26.5	~
Esophagus	214	70	284	8.3	2.3	5.0
Hodgkin Lymphoma	88	69	157	3.4	2.6	3.0
Kaposi Sarcoma	8	3	11	0.3	0.1	0.2
Kidney and Renal						
Pelvis	461	274	735	17.3	9.4	13.1
Larynx	145	22	167	5.3	0.8	2.9
Leukemia	443	281	724	18.0	9.4	13.2
Liver and Bile Duct	180	67	247	6.4	2.2	4.2
Lung and Bronchus	1,409	1,292	2,701	56.3	43.6	48.7
Melanoma of the Skin	659	610	1,269	25.1	21.9	22.7
Mesothelioma (all sites)	34	12	46	1.5	0.4	0.9
Myeloma	158	122	280	6.2	4.1	5.1
Non-Hodgkin						
Lymphoma	646	520	1,166	25.6	17.2	21.0
Oral Cavity and						
Pharynx	440	209	649	16.3	7.0	11.3
Ovary	0	309	309	~	10.2	~
Pancreas	266	204	470	10.2	6.6	8.3
Prostate	3,807	0	3,807	141.3	~	~
Stomach	166	101	267	6.5	3.3	4.7
Testis	181	0	181	7.0	~	~
Thyroid	141	425	566	5.3	16.0	10.6
Urinary Bladder	850	284	1,134	35.1	9.2	20.4

Source: Minnesota Cancer Surveillance System (MCSS). All cases were microscopically confirmed or identified solely through death certificates, and were reported to MCSS as of November 2010. *In situ* cancers except those of the urinary bladder were excluded. Bridged-race population estimates were obtained from the National Cancer Institute's SEER Program (<http://seer.cancer.gov/popdata>), released on 1/21/2011. Rates are age-adjusted to the US 2000 standard population and are per 100,000 persons.

~ Sex-specific site

**Table 2: Cancer Mortality by Site and Gender, Minnesota, 2009**

	Number of New Cases			Age-Adjusted Incidence Rate		
	Male	Female	Total	Male	Female	Total
All Sites Combined	4,978	4,597	9,575	206.6	144.4	169.1
Brain and Other						
Nervous System	141	107	248	5.4	3.6	4.4
Breast	9	679	688	0.4	21.2	11.8
Cervix Uteri	0	40	40	~	1.4	~
Colon and Rectum	409	407	816	16.9	12.1	14.2
Corpus Uteri	0	128	128	~	4.1	~
Esophagus	207	53	260	8.3	1.6	4.6
Hodgkin Lymphoma	13	9	22	0.5	0.3	0.4
Kaposi Sarcoma	0	1	1	0.0	0.0	0.0
Kidney and Renal						
Pelvis	166	93	259	6.8	2.9	4.6
Larynx	34	8	42	1.4	0.2	0.8
Leukemia	251	182	433	10.7	5.7	7.8
Liver and Bile Duct	179	86	265	6.8	2.7	4.6
Lung and Bronchus	1,240	1,158	2,398	50.8	37.9	43.1
Melanoma of the Skin	94	53	147	3.8	1.7	2.6
Mesothelioma (all sites)	51	19	70	2.2	0.6	1.3
Myeloma	127	84	211	5.3	2.6	3.8
Non-Hodgkin						
Lymphoma	240	172	412	10.4	5.1	7.4
Oral Cavity and						
Pharynx	84	31	115	3.3	0.9	2.0
Ovary	0	253	253	~	7.9	~
Pancreas	319	285	604	12.9	8.8	10.6
Prostate	534	0	534	24.1	~	~
Stomach	98	71	169	4.0	2.2	3.0
Testis	4	0	4	0.1	~	~
Thyroid	17	17	34	0.6	0.6	0.6
Urinary Bladder	176	74	250	7.5	2.1	4.3

Source: Death certificate data were obtained from the Minnesota Center for Health Statistics and include all deaths with the specified cancer as the underlying cause of death during the year, regardless of year of diagnosis. Rates were calculated by the Minnesota Cancer Surveillance System. Bridged-race population estimates were obtained from the National Cancer Institute's SEER Program (<http://seer.cancer.gov/popdata>), released on 1/21/2011. Rates are age-adjusted to the US 2000 standard population and are per 100,000 persons.

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