

## **Cancer in Minnesota, 2004: Preliminary Report**

### **Suggested citation**

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## Cancer in Minnesota, 2004: Preliminary Report

This brief report provides preliminary information on the status of cancer in Minnesota in 2004, the most recent year for which case-reporting to the Minnesota Cancer Surveillance System (MCSS) is judged to be at least 95% complete. It contains cases reported as of January, 2006.

The incidence numbers do not yet include cancers found through death certificate follow-back, that is, persons who died in 2004 with cancer listed on their death certificate but were not previously reported to our database. These cancers usually increase the total number of diagnoses by no more than 1.5% per year. Sites that typically have more than 2.5% of cases based on death certificate information only are marked with an asterisk in the tables, and include lung, pancreas, multiple myeloma, leukemia, and liver cancer. Mortality data are complete for 2004.

Table 1 shows the number of new cancers diagnosed among Minnesota residents during the year and the corresponding age-adjusted rate. Table 2 shows the number of Minnesotans who died of cancer during the year and the corresponding age-adjusted rate.

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, 1988-2002*," available on the MCSS web site (<http://www.health.state.mn.us/divs/hpcd/cdee/mcss/>).

Incidence appears to be lower in 2004 than in recent years; however no conclusions should be drawn from that observation at this point because of the caveats described above. The most that can be said at this point is that there is no evidence that cancer incidence increased in 2004.

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: Cancer Incidence by Site and Gender, Minnesota, 2004**

	Number of New Cases			Age-Adjusted Incidence Rate		
	Male	Female	Total	Male	Female	Total
All Sites Combined	11,998	10,983	22,981	526.9	398.1	451.5
Brain and Other						
Nervous System	171	119	290	7.1	4.6	5.7
Breast	33	3,280	3,313	1.5	119.3	64.0
Cervix Uteri	0	168	168	~	6.4	~
Colon and Rectum	1,371	1,335	2,706	60.8	46.8	53.0
Corpus Uteri	0	788	788	~	28.7	~
Esophagus	195	59	254	8.3	2.1	4.9
Hodgkin's Lymphoma	75	71	146	3.0	2.7	2.9
Kidney and Renal						
Pelvis	417	252	669	17.6	9.2	13.1
Larynx	127	36	163	5.6	1.3	3.2
Leukemia	401*	270*	671*	17.6*	9.7*	13.2*
Liver and Bile Duct	111*	40*	151*	4.7*	1.4*	2.9*
Lung and Bronchus	1,383*	1,230*	2,613*	62.3*	45.4*	52.5*
Melanoma of the Skin	535	455	990	22.7	17.0	19.2
Mesothelioma (all sites)	44	14	58	2.1	0.5	1.2
Multiple Myeloma	124*	101*	225*	5.5*	3.7*	4.5*
Non-Hodgkin's						
Lymphoma	561	484	1,045	24.4	17.5	20.5
Oral Cavity and						
Pharynx	353	211	564	14.8	7.6	10.9
Ovary	0	312	312	~	11.3	~
Pancreas	209*	180*	389*	9.2*	6.4*	7.6*
Prostate	3,942	0	3,942	173.8	~	~
Stomach	163	105	268	7.4	3.6	5.2
Testis	164	0	164	6.3	~	~
Thyroid	99	331	430	3.9	12.6	8.3
Urinary Bladder	861	288	1,149	39.7	10.2	22.7

Source: Minnesota Cancer Surveillance System (MCSS). All cases were microscopically confirmed or identified solely through death certificates, and were reported to MCSS as of January 2006. Case reporting is incomplete, does not include cases identified through death certificate follow-back *In situ* cancers except those of the urinary bladder were excluded. Bridged-race population estimates were obtained from the National Center for Health Statistics (vintage 2004, available online at <http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>). Rates are age-adjusted to the US 2000 standard population and are per 100,000 persons.

~ Sex-specific site

\* Site typically has at least 2.5% of cancers identified solely through death certificates..

**Table 2: Cancer Mortality by Site and Gender, Minnesota, 2004**

	Number of Deaths			Age-Adjusted Mortality Rate		
	Male	Female	Total	Male	Female	Total
All Sites	4,644	4,447	9,091	214.0	152.2	176.3
Brain and Other						
Nervous System	129	98	227	5.5	3.6	4.4
Breast	1	655	656	0.1	22.4	12.4
Cervix Uteri	0	52	52	~	1.9	~
Colon and Rectum	371	425	796	17.0	13.7	15.1
Corpus Uteri	0	135	135	~	4.7	~
Esophagus	189	37	226	8.4	1.3	4.4
Hodgkin's Lymphoma	9	9	18	0.4	0.3	0.3
Kidney and Renal						
Pelvis	129	91	220	5.8	3.1	4.3
Larynx	37	7	44	1.6	0.2	0.9
Leukemia	232	168	400	10.7	5.8	7.8
Liver and Bile Duct	120	91	211	5.2	3.2	4.1
Lung and Bronchus	1,296	1,060	2,356	59.4	38.1	47.0
Melanoma of the Skin	72	60	132	3.2	2.2	2.6
Mesothelioma (all sites)	45	11	56	2.2	0.4	1.1
Multiple Myeloma	102	85	187	4.7	2.8	3.6
Non-Hodgkin's						
Lymphoma	218	185	403	10.1	6.2	7.8
Oral Cavity and						
Pharynx	70	42	112	3.1	1.4	2.2
Ovary	0	252	252	~	8.8	~
Pancreas	271	239	510	12.4	7.9	9.9
Prostate	558	0	558	27.4	~	~
Stomach	114	81	195	5.2	2.6	3.7
Testis	5	0	5	0.2	~	~
Thyroid	5	16	21	0.2	0.5	0.4
Urinary Bladder	155	61	216	7.5	2.0	4.2

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 Center for Health Statistics (vintage 2004, available online at <http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>). Rates are age-adjusted to the US 2000 standard population and are per 100,000 persons.

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