

Definition/Description:

Leading causes of death were ranked by Potential Years of Life Lost (PYLL). The 10 leading causes of death were ranked based on the Diagnostic Classification Code using ICD-9CM for the data from 1990-1994 and 1995-1999. Causes of death were not determined for the data from 2000 to 2002 as the coding changed from ICD-9 to ICD-10 in the year 2000. The resulting classification categories for the ICD-10 codes are currently being developed. Therefore, the data from 1990-1999 are used to categorize the leading causes of death.

Method

International Classification of Diseases: Cause of death categories were based on ICD-9 methodology. A new cause-of-death classification system, International Classification of Diseases 10 (ICD-10), was introduced in the Province of Manitoba in 2000. Leading causes of death categories are yet to be restructured based on the new coding classification system. For this reason, the cause of death data were analysed for only 1990-1999 data. Causes of death have been categorized (or grouped) using the Clinical Diagnostic Grouper, which groups all ICD-9 codes into 119 categories (Manitoba Health, 2000).

Source:

The death data used in this report was obtained from Vital Statistics Agency, Consumer and Corporate Affairs, Manitoba Finance and Manitoba Bureau of Statistics, Government of Manitoba. All numerical values, tables, and figures (including spatial analyses) were generated by the Population Health and Health System Analysis Unit, Winnipeg Regional Health Authority.

For further information, a comprehensive Mortality Report, Winnipeg Regional Health Authority, 2004, can be found at

<http://www.wrha.mb.ca/howcare/decsup/files/population/WRHAMortalityReport2004.pdf>

Findings:

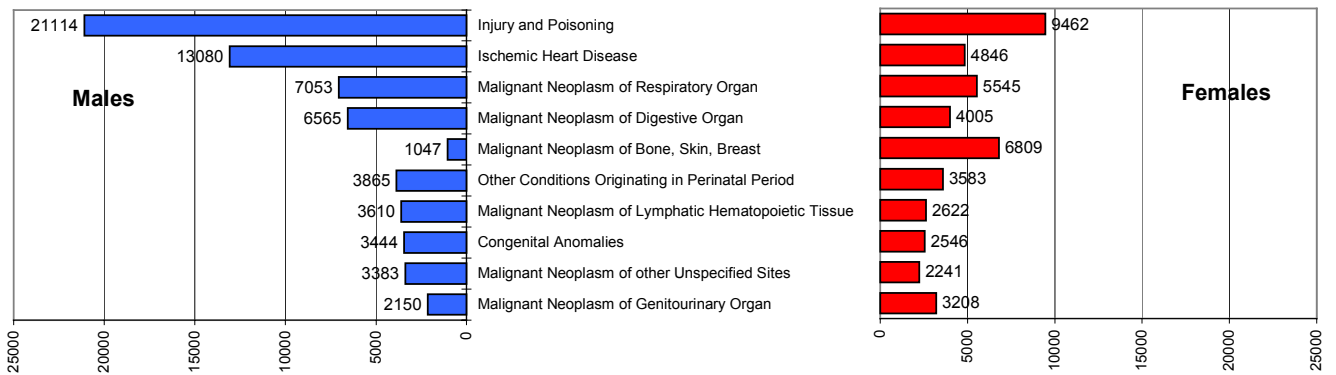
**Potential Years of Life Lost
Ten Leading Causes of Death by PYLL
Both Sexes; 1995-1999**

Diagnostic Classification Codes (ICD-9CM Codes)	Deaths	Rate per 1000	PYLL
Injury and Poisoning (E800-E999)	1321	0.413	30576
Ischemic Heart Disease (410-414)	5670	1.774	17925
Malignant Neoplasm of Respiratory Organ (160-165)	1859	0.582	12598
Malignant Neoplasm of Digestive Organ (150-159)	1875	0.587	10570
Malignant Neoplasm of Bone, Skin, Breast (170-175)	727	0.227	7856
Other conditions originating in Perinatal Period (764-779)	101	0.032	7448
Malignant Neoplasm of Lymphatic Hematopoietic Tissue (200-208)	710	0.222	6232
Congenital Anomalies (740-759)	127	0.040	5990
Malignant Neoplasm of other Unspecified Sites (190-199)	634	0.198	5624
Malignant Neoplasm of Genitourinary Organ (179-189)	1032	0.323	5358

**Potential Years of Life Lost
Ten Leading Causes of Death by PYLL
Both Sexes, 1990-1994**

Diagnostic Classification Codes (ICD-9CM Codes)	Deaths	Rate per 1000	PYLL
Injury and Poisoning (E800-E999)	1053	0.329	30076
Ischemic Heart Disease (410-414)	5267	1.645	17284
Malignant Neoplasm of Respiratory Organ (160-165)	1635	0.511	11042
Malignant Neoplasm of Digestive Organ (150-159)	1740	0.544	10596
ILL-Defined, Unknown Morbidity, Mortality (797-799)	680	0.212	9618
Other conditions originating in Perinatal Period (764-779)	101	0.032	7502
Congenital Anomalies (740-759)	125	0.039	7289
Malignant Neoplasm of Bone, Skin, Breast (170-175)	665	0.208	6503
Malignant Neoplasm of Genitourinary Organ (179-189)	1018	0.318	5244
Cerebrovascular Disease (430-438)	1900	0.593	5081.7

Leading Causes of Death by PYLL, Both Sexes, 1995-1999



**Potential Years of Life Lost
Ten Leading Causes of Death by PYLL
Females, 1995-1999**

Diagnostic Classification Codes (ICD-9CM Codes)	Deaths	Rate per 1000	PYLL
Injury and Poisoning (E800-E999)	513	0.312	9462
Malignant Neoplasm of Bone, Skin, Breast (170-175)	650	0.395	6809
Malignant Neoplasm of Respiratory Organ (160-165)	779	0.473	5545
Ischemic Heart Disease (410-414)	2819	1.713	4846
Malignant Neoplasm of Digestive Organ (150-159)	880	0.535	4005
Other conditions originating in Perinatal Period (764-779)	49	0.030	3583
Malignant Neoplasm of Genitourinary Organ (179-189)	418	0.254	3208
Cerebrovascular Disease (430-438)	1281	0.778	2669
Malignant Neoplasm of Lymphatic Hematopoietic Tissue (200-208)	319	0.194	2622
Congenital Anomalies (740-759)	52	0.032	2546

**Potential Years of Life Lost
Ten Leading Causes of Death by PYLL
Females, 1990-1994**

Diagnostic Classification Codes (ICD-9CM Codes)	Deaths	Rate per 1000	PYLL
Injury and Poisoning (E800-E999)	352	0.214	8580
Malignant Neoplasm of Bone, Skin, Breast (170-175)	595	0.361	5441
Malignant Neoplasm of Digestive Organ (150-159)	806	0.489	4312
Ischemic Heart Disease (410-414)	2516	1.527	4291
Malignant Neoplasm of Respiratory Organ (160-165)	624	0.379	4279
Other conditions originating in Perinatal Period (764-779)	47	0.029	3524
ILL-Defined, Unknown Morbidity, Mort. (797-799)	354	0.215	3512
Malignant Neoplasm of Genitourinary Organ (179-189)	405	0.246	3139
Congenital Anomalies (740-759)	54	0.033	2704
Cerebrovascular Disease (430-438)	1131	0.687	2399

**Potential Years of Life Lost
Ten Leading Causes of Death by PYLL
Males, 1995-1999**

Diagnostic Classification Codes (ICD-9CM Codes)	Deaths	Rate per 1000	PYLL
Injury and Poisoning (E800-E999)	808	0.521	21114
Ischemic Heart Disease (410-414)	2851	1.839	13080
Malignant Neoplasm of Respiratory Organ (160-165)	1080	0.697	7053
Malignant Neoplasm of Digestive Organ (150-159)	995	0.642	6565
Other conditions originating in Perinatal Period (764-779)	52	0.034	3865
Malignant Neoplasm of Lymphatic Hematopoietic Tissue (200-208)	391	0.252	3610
ILL-Defined, Unknown Morbidity, Mortality (797-799)	123	0.079	3596
Congenital Anomalies (740-759)	75	0.048	3444
Malignant Neoplasm of other Unspecified Sites (190-199)	300	0.194	3383
Other Forms of Heart Disease (420-429)	622	0.401	3274

**Potential Years of Life Lost
Ten Leading Causes of Death by PYLL
Males, 1990-1994**

Diagnostic Classification Codes (ICD-9CM Codes)	Deaths	Rate per 1000	PYLL
Injury and Poisoning (E800-E999)	701	0.451	21496
Ischemic Heart Disease (410-414)	2751	1.770	12994
Malignant Neoplasm of Respiratory Organ (160-165)	1011	0.651	6763
Malignant Neoplasm of Digestive Organ (150-159)	934	0.601	6285
ILL-Defined, Unknown Morbidity, Mort. (797-799)	326	0.210	6106
Congenital Anomalies (740-759)	71	0.046	4585
Other conditions originating in Perinatal Period (764-779)	54	0.035	3979
Malignant Neoplasm of Lymphatic Hematopoietic Tissue (200-208)	332	0.214	2991
Other Forms of Heart Disease (420-429)	534	0.344	2757
Cerebrovascular Disease (430-438)	769	0.495	2683

Highlights:

- The 10 leading causes of death by PYLL for 1995-1999, in order of rank, were:
 - Injury and Poisonings,
 - Ischemic Heart Disease,
 - Malignant Neoplasm of the Respiratory Organs,
 - Malignant Neoplasm of the Digestive Organs,
 - Malignant Neoplasm of Bone, Skin, and Breast,
 - Other Conditions Originating in the Perinatal Period,
 - Malignant Neoplasm of Lymphatic Hematopoietic Tissue,
 - Congenital Anomalies,
 - Malignant Neoplasms of Other Unspecified Sites,
 - Malignant Neoplasm of Genitourinary Organs.
- The majority of the top causes of death by PYLL were similar to the prior five years.
- Very similar leading causes of death are found for males and females when sorted by PYLL, however, there are substantially more males dying at younger ages compared to females.