

Definition/Description:

Leading cause of death by age is presented in this report to show differences in cause of death across the life span. The same Disease Classification Categories were used to identify leading causes of death by age as were used for the top 10 leading causes of death. Six age groups were used to identify the leading causes of death by age (in years): <1, 1-9, 10-19, 20-44, 45-64 and 65 years and over.

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:

Leading Cause of Death by Age Group, 1995-1999

Age Group (Years)	Deaths	Percentage of Deaths
<1	261	1.0
1-9	77	0.3
10-19	110	0.4
20-44	1205	4.7
45-64	3499	13.5
65+	20735	80.1
Total	25887	100.0

Age Group <1	Deaths	Percentage of Deaths
Other Conditions Originating in Perinatal Period (764-779)	97	37.2
Congenital Anomalies (740-759)	55	21.1
ILL-Defined, Unknown Morbidity, Mortality (797-799)	34	13.0
Maternal causes of Perinatal Morbidity (760-763)	31	11.9
Homicide and Injury Purposely Inflicted By Other People (E960-E969)	6	2.3
Accidents Caused By Submersion, Suffocation and Foreign Bodies (E910-E915)	3	1.1
Hereditary and Degenerative Disease of Central Nervous System (330-337)	3	1.1
Pneumonia and Influenza (480-487)	3	1.1

Age Group '1-9	Deaths	Percentage of Deaths
Congenital Anomalies (740-759)	11	14.3
Motor Vehicle Traffic Accidents (E810-E819)	8	10.4
Accidents Caused By Fire and Flames (E890-E899)	7	9.1
Accidents Caused By Submersion, Suffocation and Foreign Bodies (E910-E915)	6	7.8
Malignant Neoplasm of other Unspecified Sites (190-199)	6	7.8
Pneumonia and Influenza(480-487)	5	6.5

Age Group 10-19	Deaths	Percentage of Deaths
Motor Vehicle Traffic Accidents (E810-E819)	20	18.2
Suicide And Self-Inflicted Injury (E950-E959)	14	12.7
Malignant Neoplasm of Bone, Skin, Breast (170-175)	10	9.1
Homicide And Injury Purposely Inflicted By Other People (E960-E969)	6	5.5
Other Disorders of Central Nervous System (340-349)	6	5.5
Accidental Falls (E880-E888)	4	3.6
Congenital Anomalies (740-759)	4	3.6
Malignant Neoplasm of Bone, Skin, Breast (170-175)	4	3.6

Age Group 20-44	Deaths	Percentage of Deaths
Suicide And Self-Inflicted Injury (E950-E959)	183	15.2
Ischemic Heart Disease (410-414)	73	6.1
Malignant Neoplasm of Bone, Skin, Breast (170-175)	61	5.1
Motor Vehicle Traffic Accidents (E810-E819)	53	4.4
Injury Undetermined Wheather Accidentally or Purposely (E980-E989)	52	4.3
Malignant Neoplasm of Lymphatic Hematopoietic Tissue (200-208)	46	3.8
Malignant Neoplasm of other Unspecified Sites (190-199)	46	3.8
Malignant Neoplasm of Digestive Organ (150-159)	42	3.5
Other Forms of Heart Disease (420-429)	42	3.5
Homicide And Injury Purposely Inflicted By Other People (E960-E969)	40	3.3

Age Group 45-64	Deaths	Percentage of Deaths
Ischemic Heart Disease(410-414)	627	17.9
Malignant Neoplasm of Respiratory Organ (160-165)	480	13.7
Malignant Neoplasm of Digestive Organ (150-159)	387	11.1
Malignant Neoplasm of Bone, Skin, Breast (170-175)	236	6.7
Malignant Neoplasm of Genitourinary Organ (179-189)	165	4.7
Malignant Neoplasm of Lymphatic Hematopoietic Tissue (200-208)	158	4.5
Malignant Neoplasm of other Unspecified Sites (190-199)	142	4.1
Cerebrovascular Disease (430-438)	140	4.0
Disease of other Endocrine Glands (250-259)	111	3.2
Other Disease of Digestive System (570-579)	110	3.1

Age Group 65+	Deaths	Percentage of Deaths
Ischemic Heart Disease(410-414)	4970	24.0
Cerebrovascular Disease (430-438)	1953	9.4
Malignant Neoplasm of Digestive Organ (150-159)	1446	7.0
Malignant Neoplasm of Respiratory Organ (160-165)	1343	6.5
Other Forms of Heart Disease (420-429)	1263	6.1
Chronic Obstructive Pulmonary Disease (490-496)	959	4.6
Pneumonia and Influenza (480-487)	945	4.6
Malignant Neoplasm of Genitourinary Organ (179-189)	833	4.0
Diseases of Arteries, Arterioles (440-448)	551	2.7
Disease of other Endocrine Glands (250-259)	531	2.6

Highlights:

- Over 50% of the deaths in infants (less than one year of age) were due to Conditions Originating in the Perinatal Period and Congenital Anomalies. While age groups 1-9 and 10-19 years had a wide range of causes of death, from Congenital Anomalies to Injuries, and the 20-44 year old age group clearly had Suicide and Self-inflicted Injury as the leading causes of death. The older age groups, 45-64 and 65 years and older had Ischemic Heart Disease and Cancers as the leading causes of death.
- Injury and Poisonings are more prevalent in the younger age groups while Cancers, Ischemic Heart Disease and Cerebrovascular Diseases are more prevalent in the older age groups.