

**Economic Burden of Illness in Canada****2010 - Newfoundland and Labrador - 15 to 34 - All Costs**

|  | <b>Male</b> | <b>Female</b> | <b>Total</b> |
|--|-------------|---------------|--------------|
|  | <b>Cost</b> | <b>Cost</b>   | <b>Cost</b>  |

**Certain infectious and parasitic diseases**

|  |                  |                  |                  |
|--|------------------|------------------|------------------|
| Clostridium difficile  | 5,499            | 8,957            | 14,456           |
| Diarrhoea and gastroenteritis of presumed infectious origin        | 1,079,107        | 555,995          | 1,635,101        |
| Human immunodeficiency virus [HIV] disease                         | 26,270           | 18,840           | 45,111           |
| Intestinal infectious diseases except diarrhoea (and C. difficile) | 44,684           | 50,585           | 95,269           |
| Other infectious and parasitic diseases                            | 1,606,995        | 1,618,033        | 3,225,028        |
| Septicaemia  | 146,540          | 396,557          | 543,098          |
| Sexually Transmitted Diseases                                      | 153,805          | 236,750          | 390,556          |
| Tuberculosis   | 29,812           | 55,288           | 85,100           |
| <b>Totals for above Certain infectious and parasitic diseases</b>  | <b>3,092,712</b> | <b>2,941,005</b> | <b>6,033,717</b> |

**Neoplasms**

|  |         |         |         |
|--|---------|---------|---------|
| Benign neoplasm of colon, rectum and anus    | 59,695  | 49,501  | 109,196 |
| Carcinoma in situ                            | 9,377   | 472,593 | 481,970 |
| Hodgkin lymphoma                             | 26,965  | 157,736 | 184,700 |
| Leiomyoma of uterus                          | 69      | 118,025 | 118,094 |
| Leukaemia                                    | 152,956 | 80,254  | 233,210 |
| Malignant neoplasm of bladder                | 5,511   | 6,018   | 11,529  |
| Malignant neoplasm of brain                  | 44,186  | 77,722  | 121,908 |
| Malignant neoplasm of breast                 | 386     | 85,482  | 85,869  |
| Malignant neoplasm of colon, rectum and anus | 63,008  | 153,047 | 216,054 |
| Malignant neoplasm of esophagus              | 983     | 531     | 1,514   |
| Malignant neoplasm of kidney                 | 5,080   | 6,004   | 11,083  |
| Malignant neoplasm of larynx                 | 396     | 1,134   | 1,530   |
| Malignant neoplasm of liver                  | 3,244   | 3,874   | 7,118   |
| Malignant neoplasm of ovary                  | 34      | 8,960   | 8,994   |
| Malignant neoplasm of pancreas               | 1,478   | 2,089   | 3,568   |
| Malignant neoplasm of prostate               | 511     | 107     | 618     |
| Malignant neoplasm of stomach                | 46,433  | 1,128   | 47,561  |
| Malignant neoplasm of testis                 | 130,178 | 52      | 130,229 |

|  |                  |                  |                  |
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| Malignant neoplasm of thyroid  | 33,301           | 143,140          | 176,441          |
| Malignant neoplasm of uterus - Cervix uteri                            | 15               | 116,000          | 116,015          |
| Malignant neoplasm of uterus - Other                                   | 48               | 18,259           | 18,307           |
| Malignant neoplasms of lip, oral cavity and pharynx                    | 46,965           | 6,481            | 53,446           |
| Malignant neoplasms of skin - Melanoma                                 | 16,328           | 27,174           | 43,502           |
| Malignant neoplasms of skin - Other                                    | 10,831           | 23,761           | 34,592           |
| Malignant neoplasms of trachea, bronchus and lung                      | 7,550            | 4,033            | 11,584           |
| Multiple myeloma   | 1,123            | 84,228           | 85,352           |
| Non-Hodgkin lymphoma   | 32,601           | 36,075           | 68,676           |
| Other benign neoplasms and neoplasms of uncertain or unknown behaviour | 542,214          | 1,402,578        | 1,944,792        |
| Other malignant neoplasms  | 149,381          | 100,327          | 249,707          |
| <b>Totals for above Neoplasms</b>                                      | <b>1,390,846</b> | <b>3,186,313</b> | <b>4,577,160</b> |

| <b>Diseases of the blood &amp; bloodforming organs &amp; certain disorders involving the immune mechanism</b>                  |                |                |                |
|--|----------------|----------------|----------------|
| Anaemias - Iron-deficiency anaemia   | 46,319         | 166,359        | 212,678        |
| Anaemias - Other   | 123,200        | 205,627        | 328,827        |
| Other diseases of blood & blood forming organs & certain disorders involving the immune mechanism                              | 187,316        | 202,775        | 390,090        |
| <b>Totals for above Diseases of the blood &amp; bloodforming organs &amp; certain disorders involving the immune mechanism</b> | <b>356,835</b> | <b>574,760</b> | <b>931,595</b> |

| <b>Endocrine, nutritional and metabolic diseases</b>                  |                  |                  |                  |
|---|------------------|------------------|------------------|
| Diabetes mellitus   | 1,400,132        | 2,085,069        | 3,485,202        |
| Other endocrine, nutritional and metabolic diseases                   | 398,267          | 594,999          | 993,266          |
| <b>Totals for above Endocrine, nutritional and metabolic diseases</b> | <b>1,798,399</b> | <b>2,680,068</b> | <b>4,478,468</b> |

| <b>Mental and behavioural disorders</b>                                  |           |           |           |
|--|-----------|-----------|-----------|
| Dementia   | 4,105     | 2,698     | 6,803     |
| Mental and behavioural disorders due to alcohol                          | 411,352   | 262,809   | 674,161   |
| Mental and behavioural disorders due to use of other psychoactive subst. | 1,874,971 | 1,028,037 | 2,903,008 |
| Mood [affective] disorders   | 3,385,121 | 6,286,151 | 9,671,272 |

|  |                   |                   |                   |
|--|-------------------|-------------------|-------------------|
| Other mental and behavioural disorders                   | 6,603,106         | 9,602,199         | 16,205,305        |
| Schizophrenia, schizotypal and delusional disorders      | 6,170,525         | 1,283,462         | 7,453,988         |
| <b>Totals for above Mental and behavioural disorders</b> | <b>18,449,180</b> | <b>18,465,356</b> | <b>36,914,537</b> |

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| <b>Diseases of the nervous system</b>                      |                  |                  |                  |
| Alzheimer's disease  | 2,166            | 1,910            | 4,076            |
| Bacterial meningitis                                       | 8,473            | 42,920           | 51,393           |
| Epilepsy   | 285,950          | 452,453          | 738,403          |
| Meningitis due to other organisms or of unspecified cause  | 15,564           | 27,184           | 42,748           |
| Migraine   | 87,706           | 386,953          | 474,659          |
| Multiple sclerosis   | 2,290,394        | 2,484,337        | 4,774,731        |
| Other diseases of the nervous system                       | 827,148          | 1,129,924        | 1,957,072        |
| Parkinson disease and secondary parkinsonism               | 1,842            | 1,800            | 3,642            |
| Transient cerebral ischaemic attacks and related syndromes | 7,318            | 7,710            | 15,028           |
| <b>Totals for above Diseases of the nervous system</b>     | <b>3,526,560</b> | <b>4,535,191</b> | <b>8,061,752</b> |

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| <b>Diseases of the eye and adnexa</b>                  |                  |                  |                  |
| Cataract   | 59,388           | 46,151           | 105,539          |
| Other diseases of the eye and adnexa                   | 952,910          | 1,169,120        | 2,122,029        |
| <b>Totals for above Diseases of the eye and adnexa</b> | <b>1,012,297</b> | <b>1,215,270</b> | <b>2,227,568</b> |

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|---|----------------|----------------|------------------|
| <b>Diseases of the ear and mastoid process</b>                  |                |                |                  |
| Hearing loss  | 56,547         | 107,913        | 164,460          |
| Other diseases of the ear and mastoid process                   | 343,242        | 428,411        | 771,653          |
| Otitis media  | 244,544        | 242,826        | 487,370          |
| <b>Totals for above Diseases of the ear and mastoid process</b> | <b>644,333</b> | <b>779,150</b> | <b>1,423,483</b> |

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| <b>Diseases of the circulatory system</b>    |         |         |         |
| Acute but ill-defined stroke                 | 28,101  | 23,269  | 51,370  |
| Acute myocardial infarction                  | 227,668 | 25,256  | 252,924 |
| Angina pectoris                              | 25,953  | 6,675   | 32,628  |
| Atherosclerosis                              | 11,262  | 45,126  | 56,388  |
| Cerebral infarction                          | 14,436  | 19,606  | 34,042  |
| Conduction disorders and cardiac arrhythmias | 417,273 | 514,686 | 931,959 |
| Essential hypertension                       | 108,675 | 102,685 | 211,361 |
| Heart failure                                | 67,058  | 53,198  | 120,256 |
| Intracerebral haemorrhage                    | 124,110 | 28,526  | 152,636 |

|   |                  |                  |                  |
|---|------------------|------------------|------------------|
| Other cerebrovascular diseases                              | 19,313           | 11,775           | 31,087           |
| Other diseases of the circulatory system                    | 541,366          | 526,544          | 1,067,910        |
| Other hypertensive diseases                                 | 20,305           | 14,791           | 35,096           |
| Other ischaemic heart diseases                              | 78,486           | 341,647          | 420,133          |
| Pulmonary heart disease & diseases of pulmonary circulation | 65,893           | 140,238          | 206,131          |
| Subarachnoid haemorrhage                                    | 8,911            | 25,499           | 34,410           |
| Varicose veins of lower extremities                         | 634,602          | 1,972,159        | 2,606,761        |
| <b>Totals for above Diseases of the circulatory system</b>  | <b>2,393,411</b> | <b>3,851,681</b> | <b>6,245,092</b> |

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| <b>Diseases of the respiratory system</b>                  |                  |                  |                   |
| Asthma   | 1,511,980        | 2,414,907        | 3,926,886         |
| Bronchiectasis   | 194,713          | 240,648          | 435,361           |
| Chronic diseases of tonsils and adenoids                   | 310,560          | 717,827          | 1,028,387         |
| Chronic obstructive pulmonary disease                      | 62,434           | 85,080           | 147,514           |
| Influenza  | 41,460           | 56,527           | 97,987            |
| Other acute lower respiratory infections                   | 257,619          | 205,641          | 463,260           |
| Other acute upper respiratory infections                   | 765,063          | 1,521,965        | 2,287,028         |
| Other diseases of the respiratory system                   | 409,802          | 247,519          | 657,322           |
| Other diseases of upper respiratory tract                  | 1,792,623        | 1,617,298        | 3,409,921         |
| Pneumonia  | 547,678          | 812,121          | 1,359,799         |
| <b>Totals for above Diseases of the respiratory system</b> | <b>5,893,933</b> | <b>7,919,533</b> | <b>13,813,466</b> |

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| <b>Diseases of the digestive system</b>              |           |           |           |
| Alcoholic liver disease                              | 13,556    | 12,171    | 25,727    |
| Cholelithiasis                                       | 83,335    | 381,836   | 465,171   |
| Crohn's disease and ulcerative colitis               | 640,739   | 814,909   | 1,455,649 |
| Diseases of anus and rectum                          | 496,977   | 418,524   | 915,501   |
| Diseases of appendix                                 | 753,363   | 655,858   | 1,409,221 |
| Diseases of oesophagus                               | 339,222   | 300,495   | 639,717   |
| Diseases of pancreas                                 | 1,747,486 | 2,672,698 | 4,420,184 |
| Diseases of the teeth and supporting structures      | 824,156   | 941,967   | 1,766,123 |
| Diverticular disease of intestine                    | 74,989    | 31,444    | 106,433   |
| Dyspepsia and other diseases of stomach and duodenum | 608,498   | 774,472   | 1,382,970 |
| Fibrosis and cirrhosis of liver                      | 82,457    | 55,251    | 137,708   |

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|---|------------------|-------------------|-------------------|
| Inguinal hernia   | 706,042          | 54,728            | 760,770           |
| Other abdominal hernia                                    | 301,369          | 312,188           | 613,557           |
| Other diseases of gall bladder and biliary tract          | 110,693          | 279,919           | 390,612           |
| Other diseases of intestine                               | 222,564          | 444,152           | 666,716           |
| Other diseases of liver                                   | 360,852          | 2,403,749         | 2,764,601         |
| Other diseases of oral cavity, salivary glands and jaws   | 128,430          | 143,443           | 271,873           |
| Other diseases of the digestive system                    | 11,756           | 0                 | 11,756            |
| Other noninfective gastroenteritis and colitis            | 87,510           | 169,103           | 256,614           |
| Paralytic ileus and intestinal obstruction without hernia | 136,791          | 311,517           | 448,308           |
| Peptic ulcer  | 82,330           | 54,044            | 136,375           |
| <b>Totals for above Diseases of the digestive system</b>  | <b>7,813,114</b> | <b>11,232,469</b> | <b>19,045,584</b> |

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| <b>Diseases of the skin and subcutaneous tissue</b>                  |                  |                  |                  |
| Dermatitis, eczema and papulosquamous disorders                      | 2,861,042        | 586,683          | 3,447,725        |
| Infections of the skin and subcutaneous tissue                       | 1,115,796        | 667,700          | 1,783,496        |
| Other diseases of the skin and subcutaneous tissue                   | 1,641,948        | 3,042,877        | 4,684,825        |
| <b>Totals for above Diseases of the skin and subcutaneous tissue</b> | <b>5,618,786</b> | <b>4,297,260</b> | <b>9,916,045</b> |

|   |           |           |           |
|---|-----------|-----------|-----------|
| <b>Diseases of the musculoskeletal system and connective tissue</b> |           |           |           |
| Coxarthrosis [arthrosis of hip]                                     | 24,326    | 14,062    | 38,388    |
| Deforming dorsopathies and spondylopathies                          | 2,180,669 | 311,445   | 2,492,114 |
| Dorsalgia   | 356,649   | 943,568   | 1,300,217 |
| Gonarthrosis [arthrosis of knee]                                    | 19,273    | 46,661    | 65,934    |
| Gout  | 9,510     | 1,519     | 11,029    |
| Internal derangement of knee  | 1,169,631 | 604,477   | 1,774,108 |
| Intervertebral disc disorders                                       | 287,970   | 153,448   | 441,418   |
| Osteoporosis  | 10,327    | 308,155   | 318,482   |
| Other arthropathies   | 1,105,607 | 2,585,928 | 3,691,534 |
| Other arthrosis   | 59,866    | 45,527    | 105,393   |
| Other disorders of the musculoskeletal system and connective tissue | 683,868   | 501,039   | 1,184,907 |
| Rheumatoid arthritis  | 14,496    | 66,217    | 80,713    |
| Soft tissue disorders   | 637,880   | 707,732   | 1,345,612 |
| Systemic connective tissue disorders                                | 15,309    | 127,259   | 142,568   |

|  |                  |                  |                   |
|--|------------------|------------------|-------------------|
| <b>Totals for above Diseases of the musculoskeletal system and connective tissue</b> | <b>6,575,382</b> | <b>6,417,036</b> | <b>12,992,418</b> |
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| <b>Diseases of the genitourinary system</b>                  |                  |                   |                   |
| Acute renal failure  | 40,650           | 33,205            | 73,854            |
| Chronic renal failure  | 219,837          | 157,762           | 377,599           |
| Disorders of breast  | 197,204          | 1,089,235         | 1,286,440         |
| Glomerular and renal tubulo-interstitial diseases            | 151,659          | 446,546           | 598,205           |
| Hyperplasia of prostate                                      | 6,501            | 366               | 6,867             |
| Inflammatory diseases of female pelvic organs                | 1,057            | 1,385,023         | 1,386,080         |
| Menstrual, menopausal and other female genital conditions    | 1,403            | 2,468,443         | 2,469,846         |
| Other diseases of male genital organs                        | 675,120          | 1,830             | 676,950           |
| Other diseases of the urinary system                         | 422,358          | 2,037,077         | 2,459,435         |
| Other disorders of the genitourinary system                  | 70,844           | 4,351,990         | 4,422,834         |
| Unspecified renal failure                                    | 24,070           | 24,323            | 48,393            |
| Urolithiasis   | 420,463          | 641,276           | 1,061,739         |
| <b>Totals for above Diseases of the genitourinary system</b> | <b>2,231,166</b> | <b>12,637,076</b> | <b>14,868,242</b> |

|  |     |            |            |
|--|-----|------------|------------|
| <b>Pregnancy, childbirth and the puerperium</b>  |     |            |            |
| Maternal Sepsis  | 40  | 81,558     | 81,598     |
| Medical abortion   | 14  | 192,081    | 192,095    |
| Obstructed labour (Dystocia)   | 32  | 1,422,809  | 1,422,841  |
| Oedema, proteinuria and hypertensive disorders in pregnancy, childbirth and the puerperium | 32  | 2,313,652  | 2,313,684  |
| Other complications of pregnancy predominantly during labour and delivery                  | 331 | 5,309,875  | 5,310,206  |
| Other complications of pregnancy predominantly in the antenatal period                     | 908 | 12,971,488 | 12,972,395 |
| Other complications predominantly related to the puerperium                                | 536 | 609,020    | 609,556    |
| Other delivery   | 0   | 139,719    | 139,719    |
| Other obstetric conditions   | 973 | 3,612,063  | 3,613,037  |
| Other pregnancy with abortive outcome  | 509 | 1,915,589  | 1,916,097  |
| Single spontaneous delivery  | 180 | 2,906,046  | 2,906,226  |

|  |              |                   |                   |
|--|--------------|-------------------|-------------------|
| <b>Totals for above<br/>Pregnancy, childbirth and<br/>the puerperium</b> | <b>3,555</b> | <b>31,473,901</b> | <b>31,477,456</b> |
|--|--------------|-------------------|-------------------|

|  |              |                |                |
|--|--------------|----------------|----------------|
| <b>Certain conditions originating in the perinatal period</b>                  |              |                |                |
| Birth asphyxia and birth trauma  | 5,393        | 11,317         | 16,710         |
| Disorders related to short gestation and low birth weight                      | 502          | 6,514          | 7,016          |
| Other conditions originating in the perinatal period                           | 2,344        | 97,590         | 99,934         |
| Slow fetal growth and fetal malnutrition                                       | 66           | 1,743          | 1,809          |
| <b>Totals for above Certain conditions originating in the perinatal period</b> | <b>8,305</b> | <b>117,163</b> | <b>125,468</b> |

|  |                |                |                |
|--|----------------|----------------|----------------|
| <b>Congenital malformations, deformations and chromosomal abnormalities</b>                  |                |                |                |
| Congenital heart anomalies   | 139,769        | 174,640        | 314,409        |
| Other congenital malformations, deformations and chromosomal abnormalities                   | 222,779        | 437,678        | 660,456        |
| <b>Totals for above Congenital malformations, deformations and chromosomal abnormalities</b> | <b>362,548</b> | <b>612,318</b> | <b>974,865</b> |

|   |                  |                   |                   |
|---|------------------|-------------------|-------------------|
| <b>Symptoms, signs &amp; abnormal clinical &amp; laboratory findings, not elsewhere classified</b>                  |                  |                   |                   |
| Abdominal and pelvic pain   | 1,315,469        | 3,772,710         | 5,088,178         |
| Other symptoms, signs and abnormal clinical and laboratory findings   | 3,913,623        | 6,720,174         | 10,633,797        |
| Pain in throat and chest  | 442,208          | 407,914           | 850,122           |
| Unknown and unspecified causes of morbidity (incl. those without a diagnosis)                                       | 96,971           | 313,305           | 410,276           |
| <b>Totals for above Symptoms, signs &amp; abnormal clinical &amp; laboratory findings, not elsewhere classified</b> | <b>5,768,271</b> | <b>11,214,102</b> | <b>16,982,373</b> |

|   |         |           |           |
|---|---------|-----------|-----------|
| <b>Injury, poisoning &amp; certain other consequences of external causes (injury coding type 1)</b> |         |           |           |
| Burns and corrosions  | 646,519 | 32,672    | 679,191   |
| Complications of surgical and medical care, not elsewhere classified                                | 640,994 | 916,784   | 1,557,779 |
| Fracture of femur   | 974,364 | 1,371,389 | 2,345,754 |
| Fracture of forearm   | 327,758 | 196,881   | 524,639   |

|  |                   |                   |                   |
|--|-------------------|-------------------|-------------------|
| Fracture of lower leg, including ankle   | 7,312,295         | 16,084,297        | 23,396,592        |
| Intracranial injury  | 753,304           | 134,587           | 887,890           |
| Other and unspecified effects of external causes   | 195,843           | 121,636           | 317,479           |
| Other injuries   | 4,203,668         | 1,601,617         | 5,805,286         |
| Other injuries to the head   | 1,081,127         | 276,193           | 1,357,320         |
| Poisonings by drugs, medicaments & biological substances & toxic effects of substances chiefly ...                   | 266,116           | 361,715           | 627,831           |
| Sequelae of injuries, of poisoning and of other consequences of external causes                                      | 0                 | 0                 | 0                 |
| <b>Totals for above Injury, poisoning &amp; certain other consequences of external causes (injury coding type 1)</b> | <b>16,401,989</b> | <b>21,097,770</b> | <b>37,499,760</b> |

|   |                |               |                |
|---|----------------|---------------|----------------|
| <b>External causes of morbidity and mortality (injury coding type 2)</b>                  |                |               |                |
| Drowning  | 5,072          | 0             | 5,072          |
| Falls   | 1              | 1             | 3              |
| Fires   | 1,046          | 3,886         | 4,932          |
| Injuries of undetermined intent   | 0              | 7,869         | 7,869          |
| Other intentional injuries  | 0              | 0             | 0              |
| Other unintentional injuries  | 14,904         | 8,933         | 23,837         |
| Poisonings  | 6,118          | 3,895         | 10,013         |
| Road traffic accidents  | 55,234         | 5,870         | 61,104         |
| Self-inflicted injuries   | 105,252        | 8,861         | 114,113        |
| Violence  | 24,060         | 7,869         | 31,929         |
| <b>Totals for above External causes of morbidity and mortality (injury coding type 2)</b> | <b>211,687</b> | <b>47,185</b> | <b>258,872</b> |

|   |            |            |            |
|---|------------|------------|------------|
| <b>Factors influencing health status and contact with health services</b> |            |            |            |
| Contraceptive management  | 626,376    | 1,154,231  | 1,780,607  |
| Live born infants according to place of birth (healthy newborn babies)    | 0          | 0          | 0          |
| Medical observation and evaluation for suspected diseases and conditions  | 648,642    | 9,696,157  | 10,344,799 |
| Other factors influencing health status and contact with health services  | 16,750,777 | 25,861,266 | 42,612,042 |
| Other medical care (including radiotherapy and chemotherapy sessions)     | 2,968,440  | 4,113,244  | 7,081,684  |



|  |                   |                   |                   |
|--|-------------------|-------------------|-------------------|
| <b>Totals for above Factors influencing health status and contact with health services</b> | <b>20,994,234</b> | <b>40,824,898</b> | <b>61,819,132</b> |
|--|-------------------|-------------------|-------------------|

|               |                    |                    |                    |
|---------------|--------------------|--------------------|--------------------|
| <b>Totals</b> | <b>104,547,545</b> | <b>186,119,506</b> | <b>290,667,052</b> |
|---------------|--------------------|--------------------|--------------------|

#### Notes:

|    |   |
|----|---|
| 1. | Please read the appropriate Economic Burden of Illness in Canada 2010 Report in order to understand the limitations of the data.  |
| 2. | Data are grouped by ICD-10 Chapter and diagnostic categories which are based on the International Short List of Hospital Morbidity Tabulation (ISHMT). Please see the EBIC 2010 Report for the diagnostic categories and associated ICD-10 codes.   |
| 3. | ICD Chapter XIX, Injury, poisoning and certain other consequences of external causes (Injury coding type 1) and Chapter XX, External causes of morbidity and mortality (Injury coding type 2) have been combined. Note that Mortality data was originally classified according to Chapter XX only, while the other data were classified by Chapter XIX. |
| 4. | Drug costs for the territories are not available.   |