わが国の複合死因データによる死因間の関連分析

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はじめに

現在、人口動態統計では、死亡票に記載されている複数の死因から、世界保健機関が勧告する「疾病及び関連保健問題の国際統計分類」に準拠し、直接に死亡を引き起こした一連の事象の起因となった疾病もしくは損傷等を表す単一の「原死因」を用いて死因統計の集計・分析を行っている。これは、一連の病的事象を起こす原因を防止するという公衆衛生的な観点に基づくものであるが、一方で、現在、わが国では生活習慣病が死因の上位を占めるに至り、一人が複数の疾患を抱えることも多くなってきていることから、原死因以外の死因に着目する必要性が高まっている。

このような問題意識の下、社会保障審議会統計分科会疾病、傷害及び死因分類部会は、 平成 26 年 11 月に出した報告(「疾病、傷害及び死因に関する分類に係る部会審議の際に 出された意見に基づく報告」)の中で、「中長期的には、基礎疾患の情報や介入の状況、合 併症、予後等、死亡診断書・死体検案書から得られる複合的な要因を把握できるような分 析がなされることが望ましい。」との方向性を打ち出している。しかしながら、人口動態 統計死亡票の原死因以外の複合死因情報については、近年、はじめて二次利用が可能と なったところであり、わが国ではこのような複合死因データを全人口ベースで取り扱った 経験が多いとはいえない状況にある。一方、諸外国においては、従来から複合死因のデー タの活用事例が存在しており、例えば人口学領域においては、原死因と複合死因の関係性 を記述するための人口学的指標の構築などの先行研究が行われているところである。

本研究は、国際的な複合死因に関する研究ネットワークである MultiCause Network に おいて用いられている複合死因データによる死因間の関連分析の方法論をわが国のデータ に適用し、わが国における死因間の関連状況について研究することを目的として行うものである。

1 データと方法

1.1 データ

本研究における分析には、厚生労働省『人口動態統計』における調査票の死亡個票データを用いている *1 。なお、死亡個票ではデータがコード化されておらず、死因名がそのま

^{*1} 厚生労働省『人口動態調査』における死亡票は、前述の死亡届および死亡診断書等をもとに作成される。この調査票情報(死亡個票)を厚生労働省へ報告するシステムは 2003 年以降、順次オンライン化が進められた。本研究では死亡票情報に加え、オンラインにより提出された死亡個票情報を二次利用している

ま記載されている。そこで本研究では記載された死因名を ICD-10 ベースに変換し、分析に用いた。死因のコード化についてより詳細には篠原 (2016)、篠原 (2017) を参照されたい。

特に、死亡診断書等における死因の記載欄は直接死因から間接死因まで全部で5欄あるが、実際のデータには、それぞれの死因欄に複数の死因が記載されていることもある。こうした記載数超過の死因についても死亡個票データには収録されており、コード化にあたってはこれらの情報についても対象としていることから、1診断書当たりの死因数は5を超えることもある点に留意されたい。

1.2 方法

次に複合死因データによる死因間の関連分析の方法論について述べる。複合死因の分析手法については様々なものが提案されていることから、石井[等] (2018) において、MultiCause Network が収集している先行研究を中心に包括的なレビューを行った。

本研究では、これらの先行研究の中から、一原死因あたりの死亡数や死因間の関係を示す指標として、年齢構成の違いを調整し、複数時点や異なる人口間での比較が可能な人口学的指標として MultiCause Network グループが提案している SRMU(Standardized Ratio of Multiple to Underlying Cause) と CDAI(Cause of Death Association Indicator) を用いて分析を行う。この手法を用いた研究としては、MultiCause Network グループの研究者らによる Désesquelles et al. (2012)、Désesquelles et al. (2010) などが挙げられるが、MultiCause Network グループはこれらの指標を含む標準的指標の作成方法に関するガイドラインをまとめている。そこで、本研究では、このガイドラインに沿って標準的指標を作成し、死因間の関連分析を行った。

1.2.1 データの準備

ガイドラインでは、最初に、基礎となる死因データについて、以下の条件に従って用意 することを求めている。

- 年齢範囲については制限をしない。
- 地理的範囲については特別な死亡パターンをもつ地域については対象外とすること もできる。
- 年次については 2009 年について全ての指標を計算する。ただし、2009 年が利用可能でない場合、最も近い年次を算出する。
- 死因について、星印 (*) のコードと Z コードを削除する(わが国の死因統計にはこ

⁽提供通知文書番号:平成30年9月19日付政統発0919第1号)。このオンライン提出の割合が近年ほど高くなっていることから、年次によって複合死因の分析が可能な件数が死亡数と大きく異なる年次がある。また、死亡個票情報の独自集計であるため、公表数値とは一致しない場合がある。

れらは使用されていない。)。

- 一つの死亡データの中に全く同じ ICD-10 コードがあった場合には一つのみを 残す。
- 関連死因が死因分類 (後述)66,67,68 に当たるものは、分類不能や死亡のメカニズムを表すコードであり、対象から除外する。

このデータに基づき、以下の手順に従って比較可能な指標の計算を行う。全ての計算 に際しては、表 2 に示す死因分類を用いる。これには 2 つのレベル (15 分類 (本稿では group と表記)、72 分類 (本稿では cause と表記) の分類が存在する。

1.2.2 1 死亡診断書あたりの平均複合死因数 (tbl 1.a, 1.b, 2)

先述の通り、1 死亡診断書の複合死因 (multinple cause) の中に全く同じ ICD-10 コードがあった場合には一つのみを残してから、全年齢について複合死因数の分布と平均値を算出する。この時、関連死因 (corresponding cause, 原死因 (underlying cause 以外の複合死因)) の死因分類が 66,67,68 であるものを除かない場合 (tab 1.a) と除く場合 (tab 1.b) を算出する。また、年齢 10 歳階級別に複合死因数の平均値を算出する (tab 2)。

1.2.3 SRMU (tbl 3, 4)

SRMU は、原死因死亡に対する複合死因死亡の比を表すもので、以下で定義される。

$$SRMU_u = \frac{\sum d_{u,x,s}^{[M]}}{\sum d_{u,x,s}^{[U]}}$$

 $d_{u.x.s}^{[M]}$: 年齢 x、性別 s の複合死因死亡数(原死因 u)

 $d_{u.x.s}^{[U]}$: 年齢 x、性別 s の原死因死亡数(原死因 u)

これらの死亡数は、以下により年齢調整を行う。

$$d_{u,x,s}^{\langle S \rangle} = d_{u,x,s} \frac{E_{x,s}^{\langle S \rangle}}{E_{x,s}}$$

ここで、

d_{u.x.s}: 年齢調整前の死亡数

 $d_{u,x,s}^{\langle S\rangle}$: 年齢調整した死亡数

 $E_{x,s}$: 対象とする人口の Exposure

 $E_x^{\langle S \rangle}$: 基準となる人口の Exposure

であり、 $E_{x,s}$ には日本版死亡データベースによる Exposure を、 $E_{x,s}^{< S>}$ には、ガイドラインに示されている 2013 European population を用いる。

また、1 つの死亡診断書について、複合死因の中で同一分類に属するものが複数出現する場合には、そのうちの一つのみを計算対象とする(以下の CDAI でも同様)。

1.2.4 CDAI (tbl 5, 6, 7, 8, 9, 10)

CDAI は、死因 c の標準化出現率 (SP_c) に対する、原死因 u に限定した場合の死因 c の標準化出現率 $(SP_{c/u})$ の比率であり、

$$CDAI_{u,c} = \frac{SP_{c/u}}{SP_c} = \frac{\sum_{x,s} \left(\frac{ud_{c,x,s}}{ud_{x,s}} \cdot \bar{d}_{x,s}\right) / \sum_{x,s} \bar{d}_{x,s}}{\sum_{x,s} \left(\frac{d_{c,x,s}}{d_{x,s}} \cdot \bar{d}_{x,s}\right) / \sum_{x,s} \bar{d}_{x,s}} \times 100 = \frac{\sum_{x,s} \frac{ud_{c,x,s}}{ud_{x,s}} \cdot \bar{d}_{x,s}}{\sum_{x,s} \frac{d_{c,x,s}}{\bar{d}_{x,s}} \cdot \bar{d}_{x,s}} \times 100$$

 $ud_{c,x,s}$: 原死因 u で、死因 c を含む x 歳, 性別 s の死亡数

 $ud_{x,s}$: 原死因 u の x 歳, 性別 s の死亡数

 $d_{c.x.s}$: 死因 c を含む x 歳, 性別 s の死亡数 (原死因によらない)

 $d_{x,s}:x$ 歳,性別sの死亡数(原死因によらない)

 $\bar{d}_{x,s}$: 基準時点における x 歳, 性別 s の標準的死亡数

ただし、 $\bar{d}_{x,s}$ については、ガイドラインに示す死亡分布 (2009 年の高所得国に関する WHO 生命表に基づく) を用いる。

これは、原死因を限定しない場合の死因 c の出現度合に対して、原死因を u に限定した場合どの程度出現度合が変化するかを 100 を基準として指数化したものであり、CDAI が 100 を上回るほど原死因 u との関連性が高いと考えることができる。

なお、ガイドラインでは CDAI の 95% 信頼区間を計算することが理想的であるとしているが、本稿においては省略した。

2 結果と考察

本研究では、 2003~2016年の死亡データについて、ガイドラインに従って標準的指標の算出を行った。最初に、死亡票のマッチング状況と分析対象件数について表1に示した。

当年発生の 複合死因全 2/1 6=2-5 6/1) による除外 1,625 506, 852 38, 410 74. 7% 16, 116 1. 141. 865 853, 412 837. 296 73. 39 1, 197, 012 955, 138 79.8 18,543 936, 595 83, 534 2011 (H23) 1, 253, 066 1, 069, 924 85. 49 23, 557 1, 046, 367 83. 59 100, 978 1, 114, 490 1, 256, 359 1, 134, 721 20, 231 110, 226 1, 167, 944 2013 (H25) 1, 268, 436 92.1% 20, 890 1, 147, 054 121, 306 90.4% (H26) 1, 273, 004 1, 195, 172 93.9% 20, 599 1, 174, 573 92.3% 128, 995 83 8% 2015 (H27) 1, 290, 444 1, 230, 299 95.3% 20, 476 1, 209, 823 93.8% 139, 833 1, 090, 466 84. 5% 2016 (H28) 1, 307, 748 1, 260, 995 96.4% 19, 959 1, 241, 036 94.9% 149, 016 1, 111, 979 85.0%

表1 死亡票のマッチング状況と分析対象件数

本研究では人口動態統計の報告書と同様、当年発生の日本における日本人を対象として

集計を行っている。ただし、通常の死亡票情報に、オンラインによる死亡個票情報をマッチングしているため、オンライン提出の割合が近年に向けて高くなっていることを受けて、マッチ件数の全体に対する割合は、2003年の8.6%から2016年の96.4%まで上昇している。

これらに対して、下記に述べる一部のデータについては分析対象から除外した。先述の通り、本研究で用いる死因データについては、原死因については通常の死亡票情報でコード化されたものを利用しているのに対して、それ以外を含む複合死因についてはオンラインによる死亡個票情報を独自にコード化しており、コード化が困難であった項目等が存在している。これらを不詳とした場合、複合死因が全て不詳となって原死因がコード化されていることと整合性を欠くケースが発生したことから、複合死因が全て不詳のケースは分析対象から除外した。また、さらに、この他に複合死因が不詳ではないが、完全にコード化できなかったケースがあること、また、ガイドラインに述べられている死因分類66,67,68 に相当する項目を除外するルールに従うことにより、複合死因が全て不詳または完全にコード化されていないケースが発生する。そこで、死因分類66,67,68 に相当する項目を除外する集計においては、これらのケースについても分析対象から除外することとした。

このように分析対象を絞った上で、MultiCause Network グループのガイドラインに基づく全ての集計表を 2003~2016 年について作成した。このうち、ガイドラインで示すこととされている 2009 年の結果表を、本稿の最後に、表 3 から表 13 として示した。ただし、tbl.8 を女性・男性に限定して算出する tbl. 9 と tbl.10 については紙幅の関係から省略し、それ以外の全ての表を掲載している。

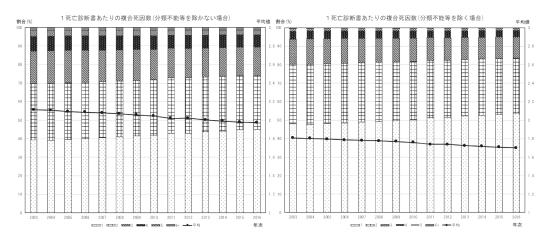


図 1 1 死亡診断書あたりの複合死因数 (分類不能等を除かない場合)

図 2 1 死亡診断書あたりの複合死因数 (分類不能等を除く場合)

図 1、2 は 1 死亡診断書あたりの複合死因数の分布と平均値について、tbl1.a に相当する 分類不能等を除かない場合、tbl1.a に相当する分類不能等を除く場合のそれぞれの 2003 ~2016 年の年次推移を示したものである。 1 死亡診断書あたりの複合死因数については 1 の割合が漸増していることから、分類不能等を除かない場合の平均値は 2.1 程度から 2.0 程度へ、分類不能等を除く場合の平均値は 1.8 程度から 1.7 程度へと漸減している。

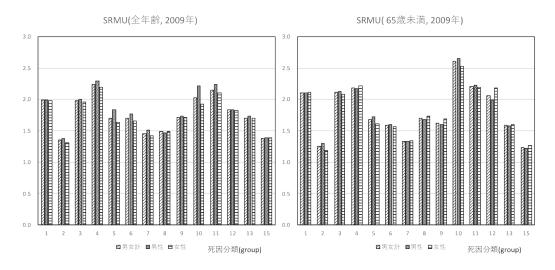


図 3 SRMU(全年齢, 2009年)

図 4 SRMU(65 歳未満, 2009 年)

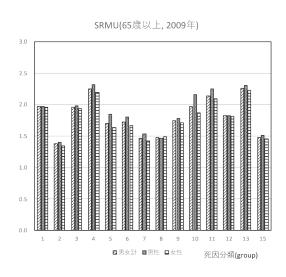


図 5 SRMU(65 歳以上, 2009 年)

次に SRMU の結果について見てみよう。図 3~図 5 は、2009 年の 15 分類 (group) に基づく SRMU を男女計・男性・女性別に棒グラフで示したものである。図 3 が全年齢 (tbl 3.a)、図 4 が 65 歳未満 (tbl 3.b)、図 5 が 65 歳以上 (tbl 3.c) を示している。これを見ると、SRMU の大小の傾向は死因による特性が強く、性別、年齢階級別に見ても大きな違いは観察されない。例えば、どの図においても、死因 2(Neoplasms) は SRMU が低め、死因 4(Endocrine, nutritional and metabolic diseases) や死因 10(Diseases of the skin and subcutaneous tissue) は高めの傾向を示している。しかしながら詳細に観察すると、性別や年齢別の特性も見ることができる。死因 1(Infectious and parasitic diseases) は男女の差が小さい一方、死因 10(Diseases of the skin and subcutaneous tissue) は大きい。

また、この死因 10(Diseases of the skin and subcutaneous tissue) は、男女計で 65 歳未満では 2.5 を超えるのに対し、65 歳以上では 2.0 を下回っており、年齢階級による違いも大きいものとなっている。

| | | 関連死因 | | | | | | | | | | | | | |
|--------|----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 |
| | 1 | 3.17 | 0.59 | 2.43 | 2.11 | 1.76 | 1.92 | 1.71 | 1.74 | 2.38 | 2.87 | 2.25 | 2.14 | 2.00 | 1.64 |
| | 2 | 1.85 | 2.49 | 1.85 | 1.54 | 1.45 | 1.34 | 1.26 | 1.50 | 1.91 | 1.36 | 1.49 | 1.55 | 1.51 | 1.13 |
| | 3 | 2.11 | 1.43 | 3.72 | 2.09 | 1.82 | 1.87 | 1.86 | 1.72 | 2.07 | 2.43 | 2.40 | 2.13 | 1.99 | 1.70 |
| | 4 | 1.96 | 0.99 | 2.10 | 3.23 | 2.14 | 1.94 | 2.00 | 1.72 | 1.76 | 2.49 | 2.16 | 2.61 | 1.91 | 1.72 |
| | 5 | 1.55 | 0.89 | 1.93 | 2.22 | 3.39 | 2.42 | 1.63 | 1.95 | 1.47 | 2.20 | 1.97 | 1.53 | 1.45 | 1.72 |
| _ | 6 | 1.68 | 0.93 | 1.79 | 1.88 | 2.12 | 3.38 | 1.52 | 2.05 | 1.47 | 2.12 | 2.01 | 1.57 | 1.78 | 1.68 |
| 原 死 | 7 | 1.45 | 0.94 | 1.72 | 2.00 | 1.83 | 1.86 | 2.39 | 1.78 | 1.49 | 1.81 | 1.79 | 1.86 | 1.81 | 1.41 |
| 因 | 8 | 1.95 | 0.85 | 1.96 | 1.88 | 2.13 | 2.11 | 1.54 | 2.54 | 1.63 | 1.94 | 2.10 | 1.81 | 1.95 | 1.58 |
| | 9 | 2.23 | 1.14 | 2.29 | 1.97 | 1.97 | 1.75 | 1.71 | 1.59 | 3.05 | 1.86 | 2.00 | 2.01 | 1.95 | 1.62 |
| | 10 | 2.76 | 1.10 | 2.43 | 2.36 | 1.89 | 1.68 | 1.61 | 1.52 | 1.85 | 4.15 | 2.51 | 2.17 | 1.20 | 1.83 |
| | 11 | 2.36 | 1.08 | 2.41 | 2.09 | 2.04 | 1.84 | 1.72 | 1.99 | 2.00 | 2.66 | 3.85 | 2.31 | 2.12 | 1.95 |
| | 12 | 2.33 | 1.08 | 2.25 | 2.04 | 1.91 | 1.93 | 1.88 | 1.55 | 1.84 | 2.09 | 2.14 | 3.07 | 1.95 | 1.73 |
| | 13 | 2.01 | 1.15 | 2.18 | 1.61 | 1.88 | 1.84 | 2.17 | 1.59 | 2.04 | 2.29 | 1.75 | 2.52 | 4.07 | 1.73 |
| | 14 | 1.52 | 1.20 | 1.68 | 2.31 | 2.26 | 2.31 | 2.15 | 1.48 | 1.83 | 1.80 | 2.35 | 1.97 | 2.04 | 1.84 |
| | 15 | 1.61 | 0.96 | 1.77 | 1.72 | 2.31 | 2.27 | 1.72 | 1.76 | 1.59 | 1.87 | 1.84 | 1.57 | 1.66 | 3.18 |

図 6 CDAI(2009年)

最後に CDAI を観察しよう。図 6 は、tbl 5.a における 2009 年の 15 分類 (group) に基づく CDAI の底を 10 とした対数にして値が大きいほど色が濃くなるようにして視覚的に示したものである。CDAI は 100 以上の値の時結びつきが強くなることから、この図では 2 以上の値の時に関連性が強いことになる。同一分類である対角線上の値はどの死因についても高いものとなっているが、それ以外の部分については死因毎に違いが観察される。例えば、死因 2(Neoplasms) は関連死因としての他の原死因との関連性が低い一方、死因 10(Diseases of the skin and subcutaneous tissue) は他の原死因との関連性が高いことが見て取れる。このように、CDAI を観察することで、死亡診断書に現れる原死因と関連死因との間の関連性を分析することが可能となるのである。

おわりに

本研究では、国際的な複合死因に関する研究ネットワークである MultiCause Network において用いられている複合死因データによる死因間の関連分析の方法論をわが国のデータに適用し、わが国における死因間の関連状況について分析を行った。

本研究で用いたデータについては、特に時代が古いものについてはオンラインによるデータが少なく、分析可能な対象が全体をカバーする率が必ずしも高くない。また、コード化が困難な項目を不詳とするとともに、複合死因の全てが不詳になった場合には分析対象から除外しているなど、代表性に関して留意すべき点も存在することから、標準的指標についてもこのような制約があることについて注意しつつ観察することが必要である。

一方、本稿においては、主に 2009 年の 15 分類 (group) に基づく指標を中心に標準的指標の観察を行ったが、他の年次を含めた標準的指標の年次推移や、より詳細な 72 分類 (cause) などについても、さらなる分析を行うことが求められる。また、MultiCause Network との連携により、他の国の標準的指標との比較を通じて、わが国の複合死因に関する特性を分析することも必要である。これらについては今後の課題としたい。

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表 2 使用する死因分類

| Group | Cause | Disease or external cause | ICD-10 code |
|-------|-------|--|---|
| 1 | | Infectious and parasitic diseases | |
| | 1 | Tuberculosis | A15-A19, B90 |
| | 2 | AIDS (HIV-disease) | B20-B24 |
| | 3 | Viral hepatitis | B15-B19, B94. 2 |
| | 4 | Septicaemia | A40-A41 |
| | 5 | Intestinal infectious diseases | A00-A09 |
| | 6 | Other Infectious and parasitic diseases | (A00-B99) + U01-U49 + U80-U89 - Supra 'A' and 'B' codes |
| 2 | | Neop lasms | |
| | 7 | Malignant neoplasm of lip, oral cavity, pharynx | C00-C14 |
| | 8 | Malignant neoplasm of oesophagus | C15 |
| | 9 | Malignant neoplasm of stomach | C16 |
| | 10 | Malignant neoplasm of small intestine, colon, rectum and anus, and other/ill-defined digestive organs | C17, C18, C19, C20, C21, C26 |
| | 11 | Malignant neoplasm of liver, the intrahepatic bile ducts, gallbladder and other unspecified parts of biliary tract | G22, G23, G24 |
| | 12 | Malignant neoplasm of pancreas | C25 |
| | 13 | Malignant neoplasm of larynx and trachea/bronchus/lung | C32-C34 |
| | 14 | Malignant melanoma of skin | C43 |
| | 15 | Malignant neoplasm of skin | C44 |
| | 16 | Malignant neoplasm of breast | C50 |
| | 17 | Malignant neoplasm of cervix uteri and other parts of uterus | C53, C54, C55 |
| | 18 | Malignant neoplasm of ovary | C56 |
| | 19 | Malignant neoplasm of prostate | C61 |
| | 20 | Malignant neoplasm of kidney | C64 |
| | 21 | Malignant neoplasm of bladder | C67 |
| | 22 | Malignant neoplasm of lymph./haematopoietic | C81-C96 |
| | 23 | Malignant neoplasm of eye, brain and other parts of central nervous system | C69-C72 |
| | 24 | Secondary malignant neoplasm | C77-C79 |
| | 25 | Malignant neoplasm of ill-defined/unspecified/ independent (primary) multiple sites | C76, C80, C97 |
| | 26 | Other malignant neoplasms | (C00-C99) - Supra 'C' codes |
| | 27 | Benign neoplasms, In situ neoplasms and neoplasms of uncertain or unknown behaviour | D00-D48 |
| 3 | 28 | Diseases of the blood(-forming organs), immunol.disorders | D50-D89 |
| 4 | | Endocrine, nutritional and metabolic diseases | |
| | 29 | Diabetes mellitus | E10-E14 |
| | 30 | Malnutrition and other nutritional deficiencies | E40-E64 |
| | 31 | Obesity | E65-E68 |
| | 32 | Disorders of thyroid gland | E00-E07 |
| | 33 | Other Endocrine, nutritional and metabolic diseases | (E00-E90) - Supra 'E' codes |
| 5 | | Mental and behavioural disorders | |
| | 34 | Alcoholic psychosis/chronic alcohol abuse | F10. 1-F10. 9, G31. 2 |
| | 35 | Drug dependence, toxicomania | F11-F16 except F11. 0, F12. 0, F13. 0, F14. 0, F15. 0, F16. 0, F18- F19 except F18. 0, F19. 0 |
| | 36 | Dementias (excluding Alzheimer) | F01, F03, G31.0, G31.1, G31.8, G31.9 |
| | 37 | Other Mental and behavioural disorders | (F00-F99) except F10.0, F11.0, F12.0, F13.0, F14.0, F15.0, F16.0, F17.0, F18.0, F19.0 - Supra 'F' codes |
| | • | | |

| | - | T . | |
|--------|-----------|--|---|
| Group | Cause | Disease or external cause | ICD-10 code |
| 6 | | Diseases of the nervous system | |
| | 38 | Epilepsia | G40-G41 |
| | 39 | Alzheimer's disease | G30 |
| | 40 | Parkinson's disease | G20, G21 |
| | 41 | Other Diseases of the nervous system | (G00-G98) except (G31.0, G31.1, G31.2, G31.8, G31.9) - Supra 'G' codes |
| 7 | | Diseases of the circulatory system | |
| | 43 | Ischaemic heart diseases | 120-125 |
| | 44 | Other heart diseases | 100-109, 130-133, 139-145, 147-148, 149 except 149.0, 150-152 |
| | 45 | Cerebrovascular diseases | 160-169 |
| | 46 | Hypertensive diseases | I10-I15 |
| | 47 | Other Diseases of the circulatory system | (100-199) except (146, 149.0, 195.9, 199) - Supra 'I' codes |
| 8 | | Diseases of the respiratory system | |
| | 48 | Influenza | J10-J11 |
| | 49 | Pneumonia | J12-J18 |
| | 50 | Other acute lower respiratory diseases | J00-J09, J19-J22 |
| | 51 | Asthma | J45-J46 |
| | 52 | Other Chronic lower respiratory diseases | J40-J44 |
| | 53 | Lung diseases due to external agents | J60-J70 |
| | 54 | Other Diseases of the respiratory system | (J00-J99) except (J96.0, J96.9) - Supra 'J' codes |
| 9 | | Diseases of the digestive system | |
| | 55 | Ulcer of stomach, duodenum and jejunum | K25-K28 |
| | 56 | Chronic liver disease | K70, K73-K74 |
| | 57 | Other Diseases of the digestive system | (K00-K93) - Supra 'K' codes |
| 10 | 58 | Diseases of the skin and subcutaneous tissue | L00-L99 |
| 11 | | Diseases of the musculoskeletal system/connective tissue | |
| | 59 | Rheumatoid arthritis and osteoarthrosis | MO5-MO6, M15-M19 |
| | | Other Diseases of the musculoskeletal | (NOO NOO) C (N' |
| | 60 | system/connective tissue | (M00-M99) - Supra 'M' codes |
| 12 | | Diseases of the genitourinary system | |
| | 61 | Renal Failure | N17-N19 |
| | 62 | Other Diseases of kidney and ureter | N00-N16 |
| | 63 | Hyperplasia of prostate | N40 |
| | 64 | Other Diseases of the genitourinary system | (NOO-N99) - Supra 'N' codes |
| 13 | 65 | Other diseases | 000-099, (P00-P96) except P28.5, Q00-Q99, H00-H95, R95 |
| 14 | | Other Symptoms, signs, abnormal findings, ill- | |
| 14 | | defined causes | |
| | 66 | Senility | R54 |
| | 67 | Mechanisms of the death* | I46, I49.0, R09.2, R40.2, R57 |
| | 68 | Other Symptoms, signs, abnormal findings, ill- | (R00-R94), (R96-R99), I95.9, I99, J96.0, J96.9, P28.5, U00 - |
| | 00 | defined causes** | Supra "R" codes |
| 15 | | External cause | S, T, V, W, X, Y codes + F10.0, F11.0, F12.0, F13.0, F14.0, F15.0, F16.0, F17.0, F18.0, F19.0 |
| | 70 | Transport accidents | V01-V99, Y85 |
| | 71 | Accidental falls | W00-W19 |
| | 72 | Accidental poisoning | X40-X49 |
| | 73 | Suicide/intentional self-harm | X60-X84 |
| | | | S. T. V. W. X. Y codes + F10.0, F11.0, F12.0, F13.0. |
| | 74 | Other external causes | F14. 0, F15. 0, F16. 0, F17. 0, F18. 0, F19. 0 - Supra codes |
| Maaban | iomo of a | l leath: Cardiac arrest (146). Ventricular fibrillation (149.0) | |

^{**} Mechanisms of death: Cardiac arrest (146), Ventricular fibrillation (149.0), Respiratory arrest (R09.2), Coma (R40.2), Shock (R57)

**: Hypotension (195.9), Other unspecified disorders of circulatory system (199), Acute respiratory failure (J96.0), Respiratory failure unspecified (J96.9), Respiratory failure of newborn (P28.5)

表 3 tab 1.a と tab 1.b

tab 1.a

| certi | ficate (% | 6) - III <i>-</i> d | efined | s per de causes CLUDEI | and | Average number of multiple causes per death certificate |
|-------|-----------|---------------------|--------|------------------------------|-----|---|
| 1 | 2 | 3 | 4 | 5 | 6+ | |
| 41 | 30 | 17 | 7 | 3 | 2 | 2.1 |

tab 1.b

| certi | ficate (% | 6) - III-de | efined o | per dea causes a | and | Average number of multiple causes per death certificate (excluding ill-defined causes/mechanisms of death as |
|-------|-----------|-------------|----------|---------------------|-----|--|
| 1 | 2 | 3 | 4 | 5 | 6+ | contributing cause) |
| 50 | 32 | 13 | 4 | 1 | 0 | 1.8 |

表 4 tab 2

tab 2

| Age at death | Average number of multiple causes per death certificate | Average number of multiple causes per death certificate (excluding ill-defined causes/mechanisms of death as contributing cause) |
|--------------|---|---|
| <1year | 2.7 | 2.2 |
| 1-9 | 2.4 | 1.9 |
| 10-19 | 1.9 | 1.5 |
| 20-29 | 1.8 | 1.4 |
| 30-39 | 1.8 | 1.5 |
| 40-49 | 1.9 | 1.6 |
| 50-59 | 1.9 | 1.7 |
| 60-69 | 2.0 | 1.7 |
| 70-79 | 2.1 | 1.8 |
| 80-89 | 2.1 | 1.8 |
| 90+ | 2.0 | 1.7 |
| All deaths | 2.1 | 1.8 |

表 5 tab 3

tab 3.a : SRMU - ALL AGES

| | | MALES+F | EMALES | | | MALES | | FEMALES | | | |
|--------|---|---|--|---------------|---|--|---------------|--|--------------|---------------|--|
| group# | CAUSE OF DEATH | Underlying cause standardized rates per 100,000 (1) | Multiple cause standardized rates per 100,000 (2) | SRMU (2/1) | Underlying cause standardized rates per 100,000 (1) | Multiple cause standardized rates per 100,000 (2) | SRMU (2/1) | Underlying cause standardized rates per 100,000 (1) | standardized | SRMU (2/1) | |
| 1 | Infectious and parasitic diseases | 26 | 13 | 2.0 | 34 | 17 | 2.0 | 21 | 10 | 2.0 | |
| 2 | Neoplasms | 245 | 182 | 1.3 | 368 | 267 | 1.4 | 163 | 125 | 1.3 | |
| 3 | Diseases of the blood (-forming organs) & immunol.disorders | 4 | 2 | 2.0 | 5 | 2 | 2.0 | 4 | 2 | 2.0 | |
| 4 | Endocrine, nutritional and metabolic diseases | 24 | 11 | 2.2 | 31 | 14 | 2.3 | 18 | 8 | 2.2 | |
| 5 | Mental and behavioral disorders | 7 | 4 | 1.7 | 8 | 5 | 1.8 | 7 | 4 | 1.6 | |
| 6 | Diseases of the nervous system | 14 | 8 | 1.7 | 18 | 10 | 1.8 | 11 | 7 | 1.7 | |
| 7 | Diseases of the circulatory system | 240 | 165 | 1.5 | 319 | 212 | 1.5 | 186 | 131 | 1.4 | |
| 8 | Diseases of the respiratory system | 132 | 88 | 1.5 | 219 | 149 | 1.5 | 85 | 57 | 1.5 | |
| 9 | Diseases of the digestive system | 38 | 22 | 1.7 | 52 | 30 | 1.7 | 28 | 16 | 1.7 | |
| 10 | Diseases of the skin and subcutaneous tissue | 1 | 1 | 2.0 | 1 | 1 | 2.2 | 1 | 1 | 1.9 | |
| 11 | Diseases of the musculoskeletal system/connective tissue | 6 | 3 | 2.2 | 5 | 2 | 2.2 | 6 | 3 | 2.1 | |
| 12 | Diseases of the genitourinary system | 29 | 16 | 1.8 | 38 | 21 | 1.8 | 24 | 13 | 1.8 | |
| 13 | Other diseases | 3 | 2 | 1.7 | 3 | 2 | 1.7 | 3 | 2 | 1.7 | |
| | Symptoms, signs, abnormal findings, ill-defined causes and | | | | | | | | | | |
| 1-7 | Mechanisms of death | 3 | - | - | 4 | - | - | 2 | - | - | |
| 15 | External causes | 36 | 26 | 1.4 | 53 | 38 | 1.4 | 23 | 17 | 1.4 | |
| | Total | 808 | - | - | 1160 | - | - | 582 | - | - | |

tab3.b: SRMU - DEATHS UNDER THE AGE OF 65

| | | MALES+F | EMALES | | MALES | | FEMALES | | | |
|---------|---|---|--|---------------|---|--|---------------|--|--------------|---------------|
| group # | CAUSE OF DEATH | Underlying cause standardized rates per 100,000 (1) | Multiple cause standardized rates per 100,000 (2) | SRMU (2/1) | Underlying cause standardized rates per 100,000 (1) | Multiple cause standardized rates per 100,000 (2) | SRMU (2/1) | Underlying cause standardized rates per 100,000 (1) | standardized | SRMU (2/1) |
| 1 | Infectious and parasitic diseases | 5 | 2 | 2.1 | 7 | 3 | 2.1 | 3 | 1 | 2.1 |
| 2 | Neoplasms | 59 | 48 | 1.3 | 74 | 57 | 1.3 | 45 | 38 | 1.2 |
| 3 | Diseases of the blood (-forming organs) & immunol.disorders | 1 | 0 | 2.1 | 1 | 0 | 2.1 | 1 | 0 | 2.1 |
| 4 | Endocrine, nutritional and metabolic diseases | 5 | 2 | 2.2 | 7 | 3 | 2.2 | 2 | 1 | 2.2 |
| 5 | Mental and behavioral disorders | 1 | 1 | 1.7 | 1 | 1 | 1.7 | 1 | 0 | 1.6 |
| 6 | Diseases of the nervous system | 3 | 2 | 1.6 | 3 | 2 | 1.6 | 2 | 1 | 1.6 |
| 7 | Diseases of the circulatory system | 30 | 23 | 1.3 | 45 | 34 | 1.3 | 16 | 12 | 1.3 |
| 8 | Diseases of the respiratory system | 8 | 4 | 1.7 | 11 | 6 | 1.7 | 4 | 3 | 1.7 |
| 9 | Diseases of the digestive system | 9 | 6 | 1.6 | 15 | 9 | 1.6 | 4 | 2 | 1.7 |
| 10 | Diseases of the skin and subcutaneous tissue | 0 | 0 | 2.6 | 0 | 0 | 2.7 | 0 | 0 | 2.5 |
| 11 | Diseases of the musculoskeletal system/connective tissue | 1 | 1 | 2.2 | 1 | 1 | 2.2 | 1 | 1 | 2.2 |
| 12 | Diseases of the genitourinary system | 2 | 1 | 2.1 | 3 | 1 | 2.0 | 2 | 1 | 2.2 |
| 13 | Other diseases | 3 | 2 | 1.6 | 3 | 2 | 1.6 | 3 | 2 | 1.6 |
| | Symptoms, signs, abnormal findings, ill-defined causes and | | | | | | | | | |
| 14 | Mechanisms of death | 1 | - | - | 1 | - | - | 0 | - | - 1 |
| 15 | External causes | 18 | 14 | 1.2 | 25 | 21 | 1.2 | 10 | 8 | 1.3 |
| | Total | 145 | - | - | 196 | - | - | 95 | - | |

tab3.c: SRMU - DEATHS AT 65 AND OVER

| | | MALES+F | EMALES | | | MALES | | FEMALES | | |
|---------|---|---|--|---------------|---|--|---------------|--|--------------|---------------|
| group # | CAUSE OF DEATH | Underlying cause standardized rates per 100,000 (1) | Multiple cause standardized rates per 100,000 (2) | SRMU (2/1) | Underlying cause standardized rates per 100,000 (1) | Multiple cause standardized rates per 100,000 (2) | SRMU (2/1) | Underlying cause standardized rates per 100,000 (1) | standardized | SRMU (2/1) |
| 1 | Infectious and parasitic diseases | 113 | 57 | 2.0 | 145 | 74 | 2.0 | 94 | 48 | 2.0 |
| 2 | Neoplasms | 1013 | 736 | 1.4 | 1584 | 1132 | 1.4 | 650 | 483 | 1.3 |
| 3 | Diseases of the blood (-forming organs) & immunol.disorders | 18 | 9 | 2.0 | 21 | 11 | 2.0 | 16 | 8 | 1.9 |
| 4 | Endocrine, nutritional and metabolic diseases | 103 | 46 | 2.3 | 133 | 57 | 2.3 | 82 | 38 | 2.2 |
| 5 | Mental and behavioral disorders | 34 | 20 | 1.7 | 38 | 21 | 1.8 | 31 | 19 | 1.6 |
| 6 | Diseases of the nervous system | 60 | 35 | 1.7 | 80 | 45 | 1.8 | 48 | 29 | 1.7 |
| 7 | Diseases of the circulatory system | 1103 | 750 | 1.5 | 1451 | 947 | 1.5 | 888 | 624 | 1.4 |
| 8 | Diseases of the respiratory system | 644 | 435 | 1.5 | 1080 | 738 | 1.5 | 420 | 283 | 1.5 |
| 9 | Diseases of the digestive system | 159 | 91 | 1.7 | 206 | 116 | 1.8 | 126 | 74 | 1.7 |
| 10 | Diseases of the skin and subcutaneous tissue | 5 | 3 | 2.0 | 6 | 3 | 2.2 | 5 | 3 | 1.9 |
| 11 | Diseases of the musculoskeletal system/connective tissue | 24 | 11 | 2.1 | 23 | 10 | 2.2 | 24 | 12 | 2.1 |
| 12 | Diseases of the genitourinary system | 141 | 77 | 1.8 | 182 | 100 | 1.8 | 119 | 66 | 1.8 |
| 13 | Other diseases | 4 | 2 | 2.3 | 5 | 2 | 2.3 | 3 | 1 | 2.2 |
| | Symptoms, signs, abnormal findings, ill-defined causes and | | | | | | | | | |
| 14 | Mechanisms of death | 12 | - | - | 15 | - | - | 9 | - | - |
| 15 | External causes | 111 | 75 | 1.5 | 170 | 112 | 1.5 | 78 | 54 | 1.5 |
| | Total | 3542 | - | - | 5139 | | - | 2594 | - | - |

表 6 tab 4.a

tab 4.a: SRMU - ALL AGES

| | | MALES+FEMALES | | | | MALES | | FEMALES | | |
|----------------------------------|--|--|--|--|--|---|---------------------------------|--|--|--------------------------|
| group# | CAUSE OF DEATH | Underlying cause standardized rates per 100,000 (1) | Multiple cause standardized rates per 100,000 (2) | SRMU (2/1) | Underlying cause standardized rates per 100,000 (1) | Multiple cause standardized rates per 100,000 (2) | SRMU (2/1) | Underlying cause standardized rates per 100,000 (1) | Multiple cause standardized rates per 100,000 (2) | SRMU (2/1) |
| 1 | Tuberculosis | 3 | 2 | | 6 | 3 | 2.0 | 2 | 1 | 2.0 |
| 2 | AIDS (HIV-disease) | 0 7 | 0 | | 0 | 0 | | 0 | 0 | 4.5 |
| 3 4 | Viral hepatitis Septicaemia | 7 11 | 3 5 | | 8 14 | 7 | 2.5 | 6 9 | 3 4 | 2.4 |
| 5 | Intestinal infectious diseases | 3 | 1 | | 3 | 1 | 2.0 | 2 | 1 | 2.4 |
| 6 | Other infectious and parasitic diseases | 3 | 2 | | 5 | 2 | 2.0 | 3 | 1 | 1.9 |
| 7 | Malignant neoplasm of lip, oral cavity, pharynx | 5 | 3 | | 8 | 6 | 1.5 | 2 | 2 | 1.4 |
| 8 | Malignant neoplasm of oesophagus | 9 | 6 | | 17 | 11 | 1.5 | 2 | 2 | 1.4 |
| 9 | Malignant neoplasm of stomach | 40 | 26 | 1.6 | 66 | 41 | 1.6 | 23 | 15 | 1.5 |
| 10 | Malignant neoplasm of small intestine, colon, rectum and anus, and other/ill-defined digestive organs | 38 | 23 | 1.7 | 52 | 30 | 1.7 | 29 | 18 | 1.6 |
| | Malignant neoplasm of liver, the intrahepatic bile ducts, | | | | | | | | | |
| 11 | gallbladder and other unspecified parts of biliary tract | 48 | 26 | 1.9 | 71 | 38 | 1.9 | 30 | 17 | 1.8 |
| 12 | Malignant neoplasm of pancreas | 19 | 14 | | 25 | 17 | 1.4 | 15 | 11 | 1.4 |
| 13 14 | Malignant neoplasm of larynx and trachea/bronchus/lung Malignant melanoma of skin | 53 | 35 0 | 1.5 | 96 0 | 62 | 1.5 | 23 | 16 | 1.5 |
| 15 | Malignant neoplasm of skin | 1 | 0 | | 1 | 0 | 1.7 | 1 | 0 | 1.6 |
| 16 | Malignant neoplasm of breast | 10 | 6 | | 0 | 0 | 1.6 | 18 | 12 | 1.5 |
| 17 | Malignant neoplasm of cervix uteri and other parts of uterus | 4 | 3 | | 0 | | NA | 8 | 5 | 1.5 |
| 18 | Malignant neoplasm of ovary | 4 | 2 | | 0 | | NA | 7 | 4 | 1.5 |
| 19 | Malignant neoplasm of prostate | 8 | 5 | | 23 | 14 | 1.6 | 0 | | NA |
| 20 | Malignant neoplasm of kidney | 3 | 2 | | 6 | 3 | 1.7 | 2 | 1 | 1.6 |
| 21 | Malignant neoplasm of bladder | 5 | 3 | | 10 | 6 | 1.6 | 3 | 2 | 1.5 |
| 22 | Malignant neoplasm of lymph./haematopoietic tissue | 18 | 11 | 1.6 | 26 | 16 | 1.6 | 13 | 8 | 1.6 |
| 22 | Malignant neoplasm of eye, brain and other parts of central nervous system | 1 | 1 | 1.5 | 2 | | 1.5 | l , | 1 | 1.4 |
| 23 24 | Secondary malignant neoplasm | 2 | 1 | 1.5 | 3 | 1 2 | 1.5 | 2 | 1 | 1.4 |
| 24 | Malignant neoplasm of ill-defined/unspecified/ independent | | | 1.4 | ď | | 1.0 | | · | 1.44 |
| 25 | (primary) multiple sites | 5 | 3 | 1.8 | 6 | 3 | 1.9 | 4 | 2 | 1.8 |
| 26 | Other malignant neoplasms | 8 | 5 | | 10 | 7 | 1.5 | 6 | 4 | 1.5 |
| | Benign neoplasms, In situ neoplasms and neoplasms of | | | | | | | | | |
| 27 | uncertain or unknown behaviour | 8 | 5 | 1.6 | 12 | 7 | 1.7 | 6 | 4 | 1.6 |
| 28 | Diseases of the blood(-forming organs) & immunol.disorders | 4 | 2 | | 5 | 2 | 2.1 | 4 | 2 | 2.0 |
| 29 30 | Diabetes mellitus Malnutrition and other nutritional deficiencies | 19 | 7 | | 25 3 | 9 | 2.7 | 14 | 5 | 2.5 |
| 31 | Obesity | 0 | 0 | | 0 | 0 | 2.2 | 0 | 0 | 2.2 3.2 |
| 32 | Disorders of thyroid gland | 0 | 0 | | 0 | 0 | | 0 | 0 | 2.2 |
| 33 | Other endocrine, nutritional and metabolic diseases | 5 | | | 6 | 3 | | 4 | 2 | 2.1 |
| 34 | Alcoholic psychosis/chronic alcohol abuse | 0 | | | 1 | 0 | | 0 | 0 | 1.9 |
| 35 | Drug dependence, toxicomania | 0 | 0 | | 0 | 0 | | 0 | | NA |
| 36 | Dementias (excluding Alzheimer) | 6 | 4 | | 7 | 4 | 1.9 | 6 | 3 | 1.7 |
| 37 | Other mental and behavioural disorders | 1 | 1 | | 1 | 1 | 1.9 | 1 | 1 | 1.8 |
| 38 | Epilepsia | 1 | 0 | | 1 | 0 | 1.9 | 0 | 0 | 2.0 |
| 39 | Alzheimer's disease | 3 | 2 | | 4 | 2 | 2.0 | 3 | 2 | 1.8 |
| 40 | Parkinson's disease Other diseases of the nervous system | 5 | 2 4 | | 6 | 3 5 | 2.0 | 4 | 2 | 1.9 |
| 41 43 | Ischaemic heart diseases | 67 | 38 | | 8 96 | 54 | 1.7 | 47 | 3 26 | 1.8 |
| 43 | Other heart diseases | 72 | 45 | | 86 | 53 | 1.6 | 62 | 39 | 1.6 |
| 45 | Cerebrovascular diseases | 112 | 64 | | 155 | 84 | 1.8 | 85 | 51 | 1.7 |
| 46 | Hypertensive diseases | 8 | 3 | | 8 | 3 | 2.5 | 7 | 3 | 2.4 |
| 47 | Other diseases of the circulatory system | 27 | 15 | 1.9 | 32 | 18 | 1.8 | 23 | 12 | 1.9 |
| 48 | Influenza | 1 | 0 | 2.4 | 1 | 0 | 2.4 | 1 | 0 | 2.4 |
| 49 | Pneumonia | 91 | 58 | | 149 | 95 | 1.6 | 62 | 40 | 1.6 |
| 50 | Other acute lower respiratory diseases | 1 | 0 | | 1 | 1 | 2.0 | 1 | 0 | 2.1 |
| 51 | Asthma Other obrenie lewer respiratory diseases | 2 | 1 | | 3 | 1 | 2.0 | 2 | 1 | 1.9 |
| 52 53 | Other chronic lower respiratory diseases Lung diseases due to external agents | 16 16 | 8 10 | | 35 28 | 18 18 | 2.0 1.6 | 6 10 | 7 | 2.0 |
| 53 54 | Other diseases of the respiratory system | 17 | 10 | | 28 | 16 | 1.6 | 10 | 6 | 1.5 |
| 55 | Ulcer of stomach, duodenum and jejunum | 3 | 2 | | 5 | 2 | 2.1 | 2 | 1 | 2.1 |
| 56 | Chronic liver disease | 13 | 7 | | 20 | 10 | 2.0 | 7 | 4 | 1.9 |
| 57 | Other diseases of the digestive system | 26 | 14 | | 34 | 18 | 1.9 | 21 | 11 | 1.8 |
| 58 | Diseases of the skin and subcutaneous tissue | 1 | 1 | 2.1 | 1 | 1 | 2.3 | 1 | 1 | 1.9 |
| 59 | Rheumatoid arthritis and osteoarthrosis Other diseases of the musculoskeletal system/connective | 2 | 1 | 2.2 | 1 | 1 | 2.3 | 2 | 1 | 2.1 |
| 60 | tissue | 4 | 2 | 2.3 | 4 | 2 | 2.4 | 4 | 2 | 2.3 |
| 61 | Renal Failure | 21 | 12 | 1.8 | 29 | 16 | 1.8 | 16 | 9 | 1.7 |
| 62 | Other diseases of kidney and ureter Hyperplasia of prostate | 5 | 2 | | 5 | 2 | 2.5 | 5 | 2 | 2.5 |
| 63 | | 0 | 0 2 | | 0 | 0 2 | 2.6 | 0 | 2 | NA 2.E |
| 64 | Other diseases of the genitouringry eyetem | . 6 | | | 6 4 | 2 | 2.6 1.8 | 6 | 2 | 2.5 1.8 |
| 64 65 | Other diseases of the genitourinary system Other diseases | |) ? | | | | | | | |
| 64 65 66 | Other diseases of the genitourinary system Other diseases Seniity | 3 | 2 | | 1 | 1 | 1.0 | 1 | 1 | 1.0 |
| 65 | Other diseases | 3 | | 1.0 | 1 3 | 1 2 | 1.0 | 1 | 1 | 1.0 |
| 65 66 67 | Other diseases Senility | 3 1 2 | 1 | 1.0 | 3 | 2 | 1.4 | 1 | 1 | |
| 65 66 67 68 | Other diseases Senility Mechanisms of the death Other symptoms, signs, abnormal findings, ill-defined causes | 3 1 2 | 1 1 0 | 1.0 1.4 1.1 | 3 | 2 | 1.4 | 1 0 | 1 0 | 1.4 |
| 65 66 67 68 70 | Other diseases Seniity Mechanisms of the death Other symptoms, signs, abnormal findings, ill-defined causes Transport accidents | 3 1 2 0 5 | 1 1 0 4 | 1.0 1.4 1.1 1.3 | 0 8 | 0 6 | 1.4 1.0 1.3 | 0 3 | 0 2 | 1.4 1.1 1.3 |
| 65 66 67 68 70 71 | Other diseases Seniity Mechanisms of the death Other symptoms, signs, abnormal findings, ill-defined causes Transport accidents Accidental falls | 3 1 2 0 5 | 1 1 0 4 4 | 1.0 1.4 1.1 1.3 1.6 | 0 8 9 | 0 6 6 | 1.4 1.0 1.3 1.6 | 0 3 4 | 0 2 2 | 1.4 1.1 1.3 1.6 |
| 65 66 67 68 70 | Other diseases Seniity Mechanisms of the death Other symptoms, signs, abnormal findings, ill-defined causes Transport accidents | 3 1 2 0 5 | 1 1 0 4 | 1.0 1.4 1.1 1.3 1.6 1.4 | 0 8 | 0 6 | 1.4 1.0 1.3 1.6 1.4 | 0 3 | 0 2 | 1.4 1.1 1.3 |

表 7 tab 4.b

tab 4.b: SRMU - DEATHS UNDER THE AGE OF 65

| | | MALES+ | FEMALES | | | MALES | | FEMALES | | |
|----------|---|--|--|------------|--|---|---------------|--|--|---------------|
| group# | CAUSE OF DEATH | Underlying cause standardized rates per 100,000 (1) | Multiple cause standardized rates per 100,000 (2) | SRMU (2/1) | Underlying cause standardized rates per 100,000 (1) | Multiple cause standardized rates per 100,000 (2) | SRMU (2/1) | Underlying cause standardized rates per 100,000 (1) | Multiple cause standardized rates per 100,000 (2) | SRMU (2/1) |
| 1 | Tuberculosis | 0 | 0 | 1.8 | 0 | 0 | 1.8 | 0 | 0 | |
| 2 | AIDS (HIV-disease) | 0 | 0 | 2.0 | 0 | 0 | 2.1 | 0 | | NA |
| 3 4 | Viral hepatitis Septicaemia | 2 | 1 | 2.5 | 3 2 | 1 | 2.5 2.1 | 1 | 0 | 2.4 |
| 5 | Intestinal infectious diseases | 0 | 0 | 2.8 | 0 | 0 | 2.7 | 0 | 0 | |
| 6 | Other infectious and parasitic diseases | 1 | 0 | 2.0 | 1 | 0 | 2.0 | 1 | 0 | |
| 7 | Malignant neoplasm of lip, oral cavity, pharynx | 2 | 1 | 1.4 | 3 | 2 | 1.4 | 1 | 0 | |
| 8 | Malignant neoplasm of oesophagus | 3 | 2 | 1.4 | 5 | 3 | 1.4 | 1 | 1 | |
| 9 | Malignant neoplasm of stomach | 9 | 6 | 1.4 | 12 | 9 | 1.4 | 6 | 4 | 1.4 |
| | Malignant neoplasm of small intestine, colon, rectum and anus, | | | | | _ | | _ | _ | |
| 10 | and other/ill-defined digestive organs Malignant neoplasm of liver, the intrahepatic bile ducts, | 9 | 6 | 1.6 | 12 | 7 | 1.6 | 7 | 5 | 1.5 |
| 11 | gallbladder and other unspecified parts of biliary tract | 10 | 5 | 1.9 | 16 | 8 | 2.0 | 4 | 2 | 1.7 |
| 12 | Malignant neoplasm of pancreas | 5 | 4 | 1.4 | 6 | 5 | 1.4 | 3 | 2 | |
| 13 | Malignant neoplasm of larynx and trachea/bronchus/lung | 11 | 7 | 1.4 | 17 | 11 | 1.5 | 5 | 4 | |
| 14 | Malignant melanoma of skin | 0 | 0 | 1.3 | 0 | 0 | 1.3 | 0 | 0 | 1.2 |
| 15 | Malignant neoplasm of skin | 0 | 0 | 1.4 | 0 | 0 | 1.5 | 0 | 0 | |
| 16 | Malignant neoplasm of breast | 6 | 4 | 1.5 | 0 | | 1.7 | 12 | 8 | |
| 17 | Malignant neoplasm of cervix uteri and other parts of uterus Malignant neoplasm of ovary | 2 | 2 | 1.4 | 0 | | NA NA | 4 | 3 | |
| 18 19 | Malignant neoplasm of ovary Malignant neoplasm of prostate | 0 | 0 | 1.4 | 1 | 1 | NA 1.4 | 0 | | 1.4 NA |
| 20 | Malignant neoplasm of kidney | 1 | 1 | 1.5 | 1 | 1 | 1.5 | 0 | 0 | |
| 21 | Malignant neoplasm of bladder | 1 | 0 | 1.4 | 1 | 1 | 1.4 | 0 | 0 | |
| 22 | Malignant neoplasm of lymph./haematopoietic tissue | 5 | 3 | 1.6 | 7 | 4 | 1.6 | 3 | 2 | |
| | Malignant neoplasm of eye, brain and other parts of central | | | | | | | | | |
| 23 | nervous system | 1 | 1 | 1.4 | 1 | 1 | 1.5 | 1 | 1 | 1.4 |
| 24 | Secondary malignant neoplasm | 0 | 0 | 1.3 | 0 | 0 | 1.3 | 0 | 0 | 1.3 |
| | Malignant neoplasm of ill-defined/unspecified/ independent | | | | | | | | | |
| 25 | (primary) multiple sites | 1 2 | 1 2 | 1.7 | 1 | 1 | 1.7 | 1 | 1 | 1.8 |
| 26 | Other malignant neoplasms Benign neoplasms, In situ neoplasms and neoplasms of | | | 1.4 | 3 | 2 | 1.4 | 2 | 1 | 1.5 |
| 27 | uncertain or unknown behaviour | 2 | 1 | 1.5 | 2 | 1 | 1.5 | 1 | 1 | 1.4 |
| 28 | Diseases of the blood(-forming organs) & immunol.disorders | 1 | 0 | 2.2 | 1 | 0 | 2.2 | 1 | 0 | |
| 29 | Diabetes mellitus | 4 | 1 | 2.6 | 6 | | 2.6 | 2 | 1 | |
| 30 | Malnutrition and other nutritional deficiencies | 0 | 0 | 1.8 | 0 | 0 | 1.8 | 0 | 0 | |
| 31 | Obesity | 0 | 0 | 2.9 | 0 | 0 | 2.6 | 0 | 0 | |
| 32 | Disorders of thyroid gland | 0 | 0 | 2.0 | 0 | 0 | 1.9 | 0 | 0 | |
| 33 34 | Other endocrine, nutritional and metabolic diseases Alcoholic psychosis/chronic alcohol abuse | 0 | 0 | 2.0 | 1 0 | 0 | 2.0 | 0 | 0 | |
| 35 | Drug dependence, toxicomania | 0 | 0 | 2.0 | 0 | 0 | 2.0 | 0 | | NA 1.9 |
| 36 | Dementias (excluding Alzheimer) | 0 | 0 | 1.6 | 0 | 0 | 1.7 | 0 | 0 | |
| 37 | Other mental and behavioural disorders | 0 | 0 | 1.8 | 0 | 0 | 1.8 | 1 | 0 | |
| 38 | Epilepsia | 0 | 0 | 1.8 | 0 | 0 | 1.7 | 0 | 0 | |
| 39 | Alzheimer's disease | 0 | 0 | 1.9 | 0 | 0 | 1.8 | 0 | 0 | |
| 40 | Parkinson's disease | 0 | 0 | 1.7 | 0 | | 1.7 | 0 | 0 | |
| 41 43 | Other diseases of the nervous system Ischaemic heart diseases | 11 | 7 | 1.6 1.6 | 3 18 | 11 | 1.7 1.6 | 1 4 | 1 2 | |
| 44 | Other heart diseases | 7 | 5 | 1.5 | 10 | 7 | 1.5 | 4 | 2 | |
| 45 | Cerebrovascular diseases | 14 | 9 | 1.5 | 19 | 13 | 1.5 | 8 | 6 | |
| 46 | Hypertensive diseases | 1 | 0 | 2.2 | 1 | 0 | 2.1 | 0 | 0 | |
| 47 | Other diseases of the circulatory system | 3 | 2 | 1.7 | 4 | 3 | 1.6 | 2 | 1 | |
| 48 | Influenza | 0 | 0 | 2.3 | 0 | 0 | 2.2 | 0 | 0 | |
| 49 | Pneumonia Other acute lower respiratory diseases | 5 | 2 0 | 1.9 | 7 | 4 | 1.9 | 3 | 1 | |
| 50 51 | Asthma | 0 | 0 | 1.9 | 0 | 0 | 1.9 1.5 | 0 | 0 | |
| 52 | Other chronic lower respiratory diseases | 1 | 0 | 2.0 | 1 | 0 | 2.0 | 0 | 0 | |
| 53 | Lung diseases due to external agents | 1 | 0 | 1.8 | 1 | 0 | 1.8 | 0 | 0 | |
| 54 | Other diseases of the respiratory system | 2 | 1 | 1.7 | 3 | 1 | 1.7 | 1 | 1 | |
| 55 | Ulcer of stomach, duodenum and jejunum | 1 | 0 | 2.0 | 1 | 1 | 1.9 | 0 | 0 | 2.3 |
| 56 | Chronic liver disease | 7 | 4 | 2.0 | 12 | 6 | 2.0 | 2 | 1 | |
| 57 | Other diseases of the digestive system | 4 | 2 | 1.9 | 5 | 3 | 1.8 | 2 | 1 | |
| 58 59 | Diseases of the skin and subcutaneous tissue Rheumatoid arthritis and osteoarthrosis | 0 | 0 | 2.6 | 0 | 0 | 2.7 2.5 | 0 | 0 | |
| 35 | Other diseases of the musculoskeletal system/connective | | 0 | 2.4 | , , , , , , , , , , , , , , , , , , , | 0 | 2.0 | | 1 | 2.4 |
| 60 | tissue | 1 | 0 | 2.3 | 1 | 0 | 2.3 | 1 | 1 | 2.3 |
| 61 | Renal Failure | 2 | 1 | 2.0 | 2 | 1 | 2.0 | 1 | 0 | |
| 62 | Other diseases of kidney and ureter | 0 | 0 | 2.7 | 0 | | 2.7 | 0 | 0 | 2.8 |
| 63 | Hyperplasia of prostate | 0 | 0 | 3.0 | 0 | | 3.0 | 0 | | NA |
| 64 | Other diseases of the genitourinary system | 0 | 0 | 3.0 | 0 | | 3.1 | 0 | 0 | |
| 65 | Other diseases Senility | 3 | 2 | 1.6 | 3 | | 1.6 | 3 | | |
| 66 67 | Mechanisms of the death | 0 | 0 | NA 1.4 | 0 | | NA 1.4 | 0 | | NA 1.4 |
| 68 | Other symptoms, signs, abnormal findings, ill-defined causes | 0 | 0 | 1.4 | 0 | | 1.4 | 0 | 0 | |
| 70 | Transport accidents | 3 | 2 | 1.3 | 5 | 4 | 1.3 | 1 | 1 | |
| 71 | Accidental falls | 1 | 1 | 1.4 | 2 | | 1.4 | 1 | 0 | |
| 72 | Accidental poisoning | 1 | 0 | 1.4 | 1 | 1 | 1.3 | 0 | 0 | |
| 73 | Suicide/intentional self-harm | 8 | 7 | 1.2 | 12 | 10 | 1.1 | 5 | | |
| 74 | Other external causes | 4 | 3 | 1.3 | 6 | 5 | 1.4 | 3 | 2 | 1.3 |

表 8 tab 4.c

tab 4.c: SRMU - DEATHS AT 65 AND OVER

| | | | FEMALES | | | MALES | | | FEMALES | |
|----------------------------|--|---|--|-------------------|---|--|---------------|---|--|---------------|
| roup# | CAUSE OF DEATH | Underlying cause standardized rates per 100,000 | Multiple cause standardized rates per 100,000 (2) | SRMU (2/1) | Underlying cause standardized rates per 100,000 | Multiple cause standardized rates per 100,000 | SRMU (2/1) | Underlying cause standardized rates per 100,000 | Multiple cause standardized rates per 100,000 (2) | SRMU (2/1) |
| | | (1) | 100,000 (2) | | (1) | (2) | | (1) | 100,000 (2) | |
| 1 | Tuberculosis | 17 | 8 | 2.0 | 29 | 15 | 2.0 | 11 | 5 | 2.0 |
| 2 | AIDS (HIV-disease) | 0 | 0 | 2.6 | 0 | 0 | 2.0 | 0 | | |
| 3 | Viral hepatitis | 29 | 12 | 2.5 | 30 | 12 | 2.5 | 28 | | 2.4 |
| 4 | Septicaemia | 48 | 24 | 2.0 | 62 | 31 | 2.0 | 40 | | 2.0 |
| 5 | Intestinal infectious diseases | 13 | 5 | 2.5 | 16 | 6 | 2.5 | 11 | 5 | |
| 6 7 | Other infectious and parasitic diseases Malignant neoplasm of lip, oral cavity, pharynx | 15 18 | 12 | 2.0 1.5 | 21 32 | 10 21 | 2.0 | 12 | 6 | |
| 8 | Malignant neoplasm of oesophagus | 33 | 22 | 1.5 | 67 | 44 | 1.5 | 8 | | |
| 9 | Malignant neoplasm of stomach | 168 | 106 | 1.6 | 287 | 177 | 1.6 | 92 | | 1.5 |
| | Malignant neoplasm of small intestine, colon, rectum and anus, | 100 | 100 | 1.0 | 201 | | 1.0 | 02 | | T |
| 10 | and other/ill-defined digestive organs | 159 | 93 | 1.7 | 220 | 126 | 1.8 | 118 | 71 | 1. |
| 11 | Malignant neoplasm of liver, the intrahepatic bile ducts, gallbladder and other unspecified parts of biliary tract | 204 | 111 | 1.8 | 297 | 159 | 1.9 | 139 | 78 | 1. |
| 12 | Malignant neoplasm of pancreas | 79 | 55 | 1.4 | 100 | 68 | 1.5 | 64 | 46 | 1. |
| 13 | Malignant neoplasm of larynx and trachea/bronchus/lung | 225 | 147 | 1.5 | 423 | 273 | 1.6 | 98 | 67 | 1. |
| 14 | Malignant melanoma of skin | 1 | 1 | 1.4 | 2 | 1 | 1.4 | 1 | | |
| 15 | Malignant neoplasm of skin | 3 | 2 | 1.7 | 4 | 2 | 1.8 | 2 | 1 | 1.0 |
| 16 | Malignant neoplasm of breast | 25 | 16 | 1.6 | 1 | 1 | 1.6 | 42 | 26 | 1.0 |
| 17 | Malignant neoplasm of cervix uteri and other parts of uterus | 14 | 9 | 1.6 | 0 | | NA | 23 | 14 | 1. |
| 18 | Malignant neoplasm of ovary | 10 | 7 | 1.5 | 0 | | NA | 17 | | 1. |
| 19 | Malignant neoplasm of prostate | 40 | 25 | 1.6 | 117 | 71 | 1.6 | 0 | | NA |
| 20 | Malignant neoplasm of kidney | 14 | 8 | 1.7 | 23 | 14 | 1.7 | 7 | | |
| 21 | Malignant neoplasm of bladder | 25 | 16 | 1.6 | 48 | 30 | 1.6 | 13 | 8 | |
| 22 | Malignant neoplasm of lymph./haematopoietic tissue Malignant neoplasm of eye, brain and other parts of central | 72 | 45 | 1.6 | 104 | 63 | 1.6 | 52 | 33 | 1. |
| 23 24 | nervous system Secondary malignant neoplasm | 9 | 7 | 1.5 | 5 13 | 3 9 | 1.6 1.5 | 3 8 | 5 | 1. |
| | Malignant neoplasm of ill-defined/unspecified/ independent | | | | | | | | | |
| 25 | (primary) multiple sites | 19 | 10 | 1.9 | 27 | 14 | 1.9 | 15 | 8 | 1. |
| 26 | Other malignant neoplasms | 30 | 20 | 1.5 | 40 | 26 | 1.5 | 23 | 16 | 1. |
| | Benign neoplasms, In situ neoplasms and neoplasms of uncertain or unknown behaviour | | | | | | | | | |
| 27 | | 36 | 22 | 1.7 | 52 | 30 | 1.7 | 26 | | 1. |
| 28 | Diseases of the blood(-forming organs) & immunol.disorders Diabetes mellitus | 18 | 9 | 2.0 | 22 | 11 | 2.1 | 16 | 8 | 2. |
| 29 30 | Malnutrition and other nutritional deficiencies | 80 | 31 | 2.6 | 104 12 | 39 5 | 2.7 | 63 | | |
| 31 | Obesity | 0 | 0 | 2.6 | 0 | 0 | 2.2 | 0 | | |
| 32 | Disorders of thyroid gland | 2 | 1 | 2.2 | 1 | 1 | 2.3 | 2 | | |
| 33 | Other endocrine, nutritional and metabolic diseases | 21 | 10 | 2.1 | 27 | 12 | 2.2 | 18 | 9 | |
| 34 | Alcoholic psychosis/chronic alcohol abuse | 1 | 0 | 2.3 | 2 | 1 | 2.3 | 0 | | |
| 35 | Drug dependence, toxicomania | 0 | 0 | NA | 0 | 0 | NA | 0 | 0 | NA |
| 36 | Dementias (excluding Alzheimer) | 32 | 18 | 1.8 | 35 | 18 | 1.9 | 29 | | |
| 37 | Other mental and behavioural disorders | 4 | 2 | 1.9 | 4 | 2 | 1.9 | 3 | | 1. |
| 38 | Epilepsia | 2 | 1 | 2.1 | 2 | 1 | 2.1 | 1 | 1 | |
| 39 | Alzheimer's disease | 17 | 9 | 1.8 | 20 | 10 | 2.0 | 15 | | |
| 40 41 | Parkinson's disease Other diseases of the nervous system | 23 21 | 12 | 1.9 | 30 31 | 15 18 | 2.0 | 19 15 | | 1. |
| 43 | Ischaemic heart diseases | 298 | 165 | 1.8 | 418 | 230 | 1.8 | 224 | 125 | 1. |
| 44 | Other heart diseases | 341 | 212 | 1.6 | 399 | 244 | 1.6 | 305 | 192 | 1.0 |
| 45 | Cerebrovascular diseases | 519 | 289 | 1.8 | 713 | 376 | 1.9 | 403 | 236 | 1. |
| 46 | Hypertensive diseases | 37 | 15 | 2.4 | 39 | 15 | 2.5 | 35 | 15 | 2. |
| 47 | Other diseases of the circulatory system | 126 | 67 | 1.9 | 149 | 81 | 1.8 | 109 | 58 | 1. |
| 48 | Influenza | 3 | 1 | 2.4 | 4 | 2 | 2.4 | 3 | | 2. |
| 49 | Pneumonia | 448 | 288 | 1.6 | 735 | 474 | 1.6 | 305 | | 1. |
| 50 | Other acute lower respiratory diseases | 5 | 2 | 2.1 | 6 | 3 | 2.0 | 4 | | 2. |
| 51 | Asthma Other chronic lower respiratory diseases | 10 | 5 | 2.0 | 12 | 6 | 2.1 | 9 | | 2. |
| 52 53 | Other chronic lower respiratory diseases Lung diseases due to external agents | 80 81 | 40 51 | 2.0 1.6 | 178 142 | 89 88 | 2.0 1.6 | 28 51 | 14 | 1. |
| 53 54 | Other diseases of the respiratory system | 81 | 48 | 1.6 | 134 | 77 | 1.5 | 50 | | |
| 55 | Ulcer of stomach, duodenum and jejunum | 14 | 7 | 2.1 | 134 | 9 | 2.1 | 11 | 5 | |
| 56 | Chronic liver disease | 39 | 20 | 2.0 | 55 | 27 | 2.0 | 26 | 14 | 1. |
| 57 | Other diseases of the digestive system | 121 | 64 | 1.9 | 152 | 79 | 1.9 | 101 | 55 | 1. |
| 58 | Diseases of the skin and subcutaneous tissue | 6 | 3 | 2.0 | 6 | 3 | 2.2 | 5 | | |
| 59 | Rheumatoid arthritis and osteoarthrosis Other diseases of the musculoskeletal system/connective | 8 | 4 | 2.1 | 6 | 3 | 2.3 | 10 | 5 | 2 |
| 60 | tissue | 17 | 7 | 2.3 | 18 | 8 | 2.4 | 16 | | 2 |
| 61 | Renal Failure | 99 | 57 | 1.7 | 139 | 78 | 1.8 | 77 | 45 | 1 |
| 62 | Other diseases of kidney and ureter | 23 | 9 | 2.5 | 24 | 10 | 2.5 | 23 | | |
| 63 | Hyperplasia of prostate | 1 | 0 | 2.7 | 2 | 1 | 2.6 | 0 | | NA |
| 54 | Other diseases of the genitourinary system | 29 | 11 | 2.5 | 30 | 12 | 2.6 | 28 | | |
| | Other diseases | 4 | 2 | 2.4 | 5 | 2 | 2.4 | 3 | | |
| | Senility | 4 | 6 | 1.0 | 4 | | 1.0 | 4 | | |
| 66 | Manhaniana of the death | | . 6 | 1.4 | 12 | 8 | 1.4 | 5 | 4 | |
| 66 67 | Mechanisms of the death | 8 | | | | | 4.0 | | | |
| 66 67 68 | Other symptoms, signs, abnormal findings, ill-defined causes | 0 | 0 | 1.0 | 0 | 0 | 1.0 | 0 | 0 | |
| 65 66 67 68 70 | Other symptoms, signs, abnormal findings, ill-defined causes Transport accidents | 0 14 | 0 10 | 1.0 1.3 | 0 20 | 0 15 | 1.4 | 9 | 7 | 1. |
| 66 67 68 70 71 | Other symptoms, signs, abnormal findings, ill-defined causes Transport accidents Accidental falls | 0 14 26 | 0 10 16 | 1.0 1.3 1.6 | 0 20 39 | 0 15 24 | 1.4 1.6 | 9 18 | 0 7 11 | 1. |
| 66 67 68 70 | Other symptoms, signs, abnormal findings, ill-defined causes Transport accidents | 0 14 | 0 10 | 1.0 1.3 | 0 20 | 0 15 | 1.4 | 9 | 0 7 11 0 | 1. 1. |

表 9 tab 5

tab 5.a : CDAI - All ages- Males&Females

| | | | | | | | CONTR | IBUTING (| CAUSE OF | DEATH | | | | | |
|--------|---|--|---------------|---|----------|--|---|-----------|----------------------------------|-------|--|--|---|-------------------|--------------------|
| group# | UNDERLYING CAUSE OF DEATH | Infectious and parasitic diseases | Neoplas ms | Diseases of the blood (- forming organs) & immunol. disorders | diseases | Mental and behaviora I disorders | Diseases of the nervous system | | of the respirator y system | | Diseases of the skin and subcutan eous tissue | Diseases of the musculos keletal system/c onnective tissue | Diseases of the genitourin ary system | Other diseases | External causes |
| 1 | Infectious and parasitic diseases | 1468 | 4 | 271 | 130 | | 83 | 51 | 54 | 240 | 734 | | | 100 | 43 |
| 2 | Neoplasms | 71 | 308 | 71 | 34 | 28 | 22 | 18 | | 81 | 23 | | 36 | 33 | 14 |
| 3 | Diseases of the blood (-forming organs) & immunol.disorders | 130 | 27 | 5290 | 123 | 65 | 74 | | | 118 | 270 | | 134 | 97 | 50 |
| 4 | Endocrine, nutritional and metabolic diseases | 91 | 10 | 127 | 1692 | 137 | 87 | 100 | | 58 | 312 | 146 | 410 | 81 | 53 |
| 5 | Mental and behavioral disorders | 35 | 8 | 85 | 166 | 2471 | 266 | 42 | 90 | 30 | 160 | 94 | 34 | 28 | 52 |
| 6 | Diseases of the nervous system | 48 | 9 | 62 | 76 | | 2421 | 33 | | 30 | 133 | | 37 | 60 | 48 |
| 7 | Diseases of the circulatory system | 28 | 9 | 53 | 99 | 67 | 73 | | | 31 | 64 | 62 | 72 | 65 | 26 |
| 8 | Diseases of the respiratory system | 89 | 7 | 90 | 76 | 135 | 129 | 35 | | 43 | 87 | 127 | 65 | 90 | 38 |
| 9 | Diseases of the digestive system | 171 | 14 | 194 | 92 | 93 | 57 | 52 | 39 | 1129 | 72 | 99 | 102 | 89 | 42 |
| 10 | Diseases of the skin and subcutaneous tissue | 574 | 13 | 269 | 228 | 78 | 48 | 41 | 33 | 71 | 14279 | | 149 | 16 | 67 |
| 11 | Diseases of the musculoskeletal system/connective tissue | 231 | 12 | 260 | 124 | 108 | 70 | 52 | 97 | 99 | 456 | 7133 | 202 | 130 | 89 |
| 12 | Diseases of the genitourinary system | 216 | 12 | 180 | 111 | 82 | 85 | 75 | | 68 | 122 | 137 | 1183 | 88 | 53 |
| 13 | Other diseases | 102 | 14 | 151 | 41 | 76 | 70 | | | 110 | 194 | 56 | 332 | 11715 | 54 |
| 14 | Symptoms, signs, abnormal findings, ill-defined causes and Mechanisms of death | 33 | 16 | 48 | 204 | 180 | 206 | 142 | 30 | 67 | 63 | 221 | 93 | 110 | 70 |
| 15 | External causes | 41 | 9 | 58 | 53 | 205 | 185 | 52 | 58 | 39 | 74 | 69 | 37 | 45 | 1499 |

tab 5.b : CDAI - Deaths under the age of 65 - Males&Females

| | | | | | | | CONTR | IBLITING (| CAUSE OF | DEATH | | | | | |
|--------|---|--|---------------|---|---|--|----------|----------------------------------|--|-------|--|--------------------|---|-------------------|-----------------|
| group# | UNDERLYING CAUSE OF DEATH | Infectious and parasitic diseases | Neoplas ms | Diseases of the blood (- forming organs) & immunol. disorders | Endocrin e, nutritional and metabolic diseases | Mental and behaviora I disorders | Diseases | Diseases of the circulator | Diseases of the respirator y system | | Diseases of the skin and subcutan eous tissue | of the musculos | Diseases of the genitourin ary system | Other diseases | External causes |
| 1 | Infectious and parasitic diseases | 1478 | 4 | 396 | 179 | 42 | 137 | 61 | 102 | 329 | 745 | 231 | 248 | 101 | 12 |
| 2 | Neoplasms | 77 | 227 | 83 | 24 | 10 | 18 | 12 | 44 | 58 | 34 | 29 | 39 | 31 | 5 |
| 3 | Diseases of the blood (-forming organs) & immunol.disorders | 197 | 31 | 5503 | 119 | 47 | 152 | 101 | 169 | 110 | 0 | 573 | 219 | 66 | 24 |
| 4 | Endocrine, nutritional and metabolic diseases | 116 | 6 | 158 | 1747 | 133 | 111 | 139 | 109 | 78 | 419 | 151 | 595 | 67 | 15 |
| 5 | Mental and behavioral disorders | 53 | 4 | 136 | 280 | 2007 | 492 | 53 | 170 | 25 | 42 | 117 | 50 | 3 | 23 |
| 6 | Diseases of the nervous system | 74 | 5 | 73 | 85 | 85 | 2057 | 40 | 213 | 29 | 259 | 152 | 73 | | 28 |
| 7 | Diseases of the circulatory system | 25 | 4 | 51 | 126 | 57 | 77 | 369 | 56 | 32 | 61 | 61 | 105 | 60 | 5 |
| 8 | Diseases of the respiratory system | 159 | 8 | 119 | 126 | 195 | 226 | 37 | 1067 | 52 | 156 | 199 | 123 | 98 | 17 |
| 9 | Diseases of the digestive system | 148 | 8 | 192 | 133 | 124 | 63 | 66 | 55 | 900 | 132 | 85 | 163 | 79 | 18 |
| 10 | Diseases of the skin and subcutaneous tissue | 906 | 13 | 315 | 488 | 0 | 47 | 36 | 146 | 96 | 27130 | 346 | 424 | 0 | 34 |
| 11 | Diseases of the musculoskeletal system/connective tissue | 274 | 11 | 406 | 146 | 35 | 156 | | 323 | 97 | 602 | 7421 | 375 | 104 | 10 |
| 12 | Diseases of the genitourinary system | 257 | 9 | 182 | 221 | 93 | 177 | 114 | 92 | 92 | 235 | 245 | 1972 | 93 | 27 |
| 13 | Other diseases | 86 | 9 | 174 | 35 | 46 | 178 | | | 107 | 331 | 18 | 394 | 2021 | 25 |
| 14 | Symptoms, signs, abnormal findings, ill-defined causes and Mechanisms of death | 41 | 12 | 126 | 375 | 412 | 316 | 110 | 83 | 133 | 147 | 170 | 202 | 77 | 37 |
| 15 | External causes | 22 | 4 | 30 | 44 | 317 | 149 | 24 | 62 | 32 | 33 | 34 | 22 | 22 | 598 |

tab 5.c : CDAI - Deaths at 65 and over - Males&Females

| | | · | | | | | CONTE | RIBUTING (| VALUE OF | DEATH | | | | | |
|--------|---|--|---------------|---|---|--|-------|----------------------------------|----------|-------|--|--|---|-------------------|-----------------|
| group# | UNDERLYING CAUSE OF DEATH | Infectious and parasitic diseases | Neoplas ms | Diseases of the blood (- forming organs) & immunol. disorders | Endocrin e, nutritional and metabolic diseases | Mental and behaviora I disorders | | Diseases of the circulator | | | Diseases of the skin and subcutan eous tissue | Diseases of the musculos keletal system/c onnective tissue | Diseases of the genitourin ary system | Other diseases | External causes |
| 1 | Infectious and parasitic diseases | 1467 | 4 | 253 | 122 | 60 | 73 | 50 | 52 | 222 | 733 | 168 | 129 | 98 | 61 |
| 2 | Neoplasms | 70 | 326 | 69 | 36 | 32 | 23 | 19 | 31 | 86 | 22 | 31 | 35 | 38 | 19 |
| 3 | Diseases of the blood (-forming organs) & immunol.disorders | 119 | 26 | 5259 | 123 | 69 | 59 | | 47 | 119 | 290 | 204 | 126 | 210 | 66 |
| 4 | Endocrine, nutritional and metabolic diseases | 87 | 11 | 122 | 1683 | 138 | 82 | 96 | 50 | 54 | 304 | 145 | 394 | 134 | 74 |
| 5 | Mental and behavioral disorders | 32 | 9 | 78 | 149 | 2555 | 223 | 41 | 86 | 31 | 168 | 90 | 32 | 118 | 69 |
| 6 | Diseases of the nervous system | 44 | 9 | 60 | 75 | 142 | 2489 | 32 | 107 | 30 | 124 | 94 | 34 | 145 | 59 |
| 7 | Diseases of the circulatory system | 28 | 10 | 53 | 95 | 69 | 72 | 233 | 60 | 31 | 64 | 62 | 69 | 84 | 38 |
| 8 | Diseases of the respiratory system | 78 | 7 | 86 | 69 | 124 | 111 | 34 | 315 | 41 | 82 | 117 | 60 | 59 | 50 |
| 9 | Diseases of the digestive system | 174 | 15 | 194 | 86 | 87 | 55 | 50 | 38 | 1176 | 68 | 101 | 97 | 125 | 56 |
| 10 | Diseases of the skin and subcutaneous tissue | 523 | 13 | 262 | 190 | 93 | 49 | 41 | 28 | 65 | 13335 | 321 | 125 | 74 | 86 |
| 11 | Diseases of the musculoskeletal system/connective tissue | 224 | 12 | 238 | 120 | 122 | 54 | | 87 | 100 | 445 | 7091 | 187 | 227 | 135 |
| 12 | Diseases of the genitourinary system | 210 | 13 | 179 | 94 | 80 | 68 | 71 | 33 | 64 | 114 | 121 | 1113 | 71 | 69 |
| 13 | Other diseases | 105 | 15 | 148 | 42 | 81 | 50 | 145 | 34 | 111 | 184 | 61 | 327 | 47014 | 71 |
| 14 | Symptoms, signs, abnormal findings, ill-defined causes and Mechanisms of death | 32 | 17 | 36 | 178 | 138 | 186 | 145 | 28 | 54 | 57 | 229 | 83 | 230 | 89 |
| 15 | External causes | 44 | 10 | 62 | 54 | 184 | 192 | 55 | 58 | 41 | 77 | 75 | 39 | 129 | 2014 |

表 10 tab 6

tab 6.a : CDAI - All ages- Females

| group# | UNDERLYING CAUSE OF DEATH | Infectious and parasitic diseases | Neoplas | Diseases of the blood (- forming organs) & immunol. disorders | | Mental and behaviora I disorders | Diseases | | | | Diseases of the skin and subcutan eous tissue | Diseases of the musculos keletal system/c onnective tissue | Diseases of the genitourin ary system | Other diseases | External causes |
|--------|---|--|---------|---|------|--|----------|-----|-----|------|--|--|---|-------------------|-----------------|
| 1 | Infectious and parasitic diseases | 1438 | 4 | 251 | 128 | 53 | 79 | | 54 | 260 | 685 | 174 | 142 | 100 | 46 |
| 2 | Neoplasms | 67 | 314 | 68 | 33 | 29 | 22 | | 24 | 84 | 22 | | 32 | 29 | 17 |
| 3 | Diseases of the blood (-forming organs) & immunol.disorders | 128 | 19 | 4836 | 127 | 64 | 61 | 72 | 56 | 117 | 246 | 250 | 117 | 61 | 52 |
| 4 | Endocrine, nutritional and metabolic diseases | 94 | 8 | 128 | 1652 | 129 | 81 | 97 | 53 | 53 | 278 | 129 | 395 | 82 | 55 |
| 5 | Mental and behavioral disorders | 35 | 5 | 101 | 155 | 2200 | 261 | 38 | 86 | 24 | 162 | 74 | 29 | 35 | 62 |
| 6 | Diseases of the nervous system | 36 | 7 | 59 | 80 | 128 | 2249 | | 112 | 26 | 126 | 80 | 34 | 64 | 54 |
| 7 | Diseases of the circulatory system | 25 | 7 | 52 | 95 | 66 | 73 | 236 | 57 | 29 | 58 | 64 | 67 | 65 | 28 |
| 8 | Diseases of the respiratory system | 86 | 5 | 92 | 75 | 133 | 136 | 34 | 417 | 41 | 85 | 159 | 62 | 102 | 39 |
| 9 | Diseases of the digestive system | 176 | 12 | 183 | 88 | 84 | 55 | | 39 | 1128 | 72 | 112 | 104 | 88 | 50 |
| 10 | Diseases of the skin and subcutaneous tissue | 537 | 9 | 302 | 185 | 69 | 52 | | 27 | 64 | 12861 | 279 | 142 | 0 | 71 |
| 11 | Diseases of the musculoskeletal system/connective tissue | 178 | 9 | 263 | 119 | 101 | 44 | 53 | 112 | 88 | 426 | 4811 | 172 | 36 | 102 |
| 12 | Diseases of the genitourinary system | 254 | 12 | 189 | 110 | 87 | 81 | 69 | 36 | 65 | 122 | 142 | 1179 | 89 | 57 |
| 13 | Other diseases | 74 | 8 | 79 | 43 | 87 | 47 | 150 | 41 | 113 | 243 | 45 | 289 | 10999 | 63 |
| 14 | Symptoms, signs, abnormal findings, ill-defined causes and Mechanisms of death | 38 | 14 | 49 | 190 | 181 | 179 | 139 | 25 | 53 | 41 | 204 | 85 | 113 | 72 |
| 15 | External causes | 39 | 8 | 58 | 50 | 239 | 182 | 49 | 54 | 34 | 74 | 61 | 32 | 42 | 1607 |

tab 6.b : CDAI - Deaths under the age of 65 - Females

| | | | | | | | CONTR | RIBUTING (| AUSE OF | DEATH | | | | | |
|--------|---|--|---------------|---|---|--|---|--|----------------------|-----------------|--|--|---|-------------------|-----------------|
| group# | UNDERLYING CAUSE OF DEATH | Infectious and parasitic diseases | Neoplas ms | Diseases of the blood (- forming organs) & immunol. disorders | Endocrin e, nutritional and metabolic diseases | Mental and behaviora I disorders | Diseases of the nervous system | Diseases of the circulator y system | of the respirator | Diseases of the | Diseases of the skin and subcutan eous tissue | Diseases of the musculos keletal system/c onnective tissue | Diseases of the genitourin ary system | Other diseases | External causes |
| 1 | Infectious and parasitic diseases | 1751 | 5 | 392 | 244 | 52 | 139 | 64 | 132 | 392 | 823 | 267 | 318 | 101 | 15 |
| 2 | Neoplasms | 55 | 186 | 86 | 18 | 9 | 18 | | 36 | 63 | 38 | | 40 | 25 | 6 |
| 3 | Diseases of the blood (-forming organs) & immunol.disorders | 245 | 25 | 4474 | 187 | 53 | 99 | 121 | 191 | 99 | 0 | 563 | 202 | 6 | 24 |
| 4 | Endocrine, nutritional and metabolic diseases | 170 | 5 | 206 | 2298 | 149 | 125 | 159 | 125 | 82 | 473 | 143 | 656 | 72 | 18 |
| 5 | Mental and behavioral disorders | 90 | 2 | 257 | 365 | 1813 | 572 | 48 | 127 | 24 | 0 | 38 | 22 | 10 | 27 |
| 6 | Diseases of the nervous system | 68 | 6 | 74 | 119 | 70 | 1920 | 43 | 228 | 32 | 197 | 108 | 89 | 45 | 35 |
| 7 | Diseases of the circulatory system | 28 | 4 | 57 | 146 | 62 | 92 | 457 | 59 | 33 | 60 | 78 | 116 | 61 | 6 |
| 8 | Diseases of the respiratory system | 189 | 5 | 122 | 147 | 178 | 225 | 50 | 1248 | 62 | 76 | 248 | 138 | 114 | 18 |
| 9 | Diseases of the digestive system | 224 | 10 | 167 | 157 | 105 | 77 | 67 | 63 | 1257 | 159 | 142 | 226 | 81 | 32 |
| 10 | Diseases of the skin and subcutaneous tissue | 1149 | 0 | 566 | 641 | 0 | 0 | 34 | 55 | 71 | 25269 | 402 | 430 | 0 | 0 |
| 11 | Diseases of the musculoskeletal system/connective tissue | 245 | 6 | 443 | 175 | 32 | 41 | 114 | 397 | 109 | 630 | 4486 | 309 | 0 | 17 |
| 12 | Diseases of the genitourinary system | 425 | 10 | 230 | 261 | 131 | 182 | 127 | 135 | 118 | 281 | 239 | 2030 | 89 | 37 |
| 13 | Other diseases | 72 | 8 | 128 | 45 | 57 | 147 | 207 | 164 | 190 | 0 | 1 | 366 | 1995 | 42 |
| | Symptoms, signs, abnormal findings, ill-defined causes and | 81 | 10 | 139 | 345 | 466 | 320 | 113 | 87 | 121 | 0 | 83 | 208 | 82 | 39 |
| 14 | Mechanisms of death | | | | | | | | | | | | | | |
| 15 | External causes | 25 | 4 | 26 | 38 | 452 | 175 | 24 | 62 | 31 | 30 | 28 | 18 | 22 | 732 |

tab 6.c : CDAI - Deaths at 65 and over - Females

| | | | | | | | CONTE | RIBUTING (| CAUSE OF | DEATH | | | | | |
|--------|---|--|---------------|---|---|--|-------|----------------------------------|----------|-------|--|--------------------|---|-------------------|-----------------|
| group# | UNDERLYING CAUSE OF DEATH | Infectious and parasitic diseases | Neoplas ms | Diseases of the blood (- forming organs) & immunol. disorders | Endocrin e, nutritional and metabolic diseases | Mental and behaviora I disorders | | Diseases of the circulator | | | Diseases of the skin and subcutan eous tissue | of the musculos | Diseases of the genitourin ary system | Other diseases | External causes |
| 1 | Infectious and parasitic diseases | 1399 | 3 | 229 | 116 | 53 | 67 | 46 | 50 | 242 | 677 | 159 | 127 | 98 | 59 |
| 2 | Neoplasms | 68 | 351 | 66 | 34 | 33 | 23 | | 23 | 87 | 21 | | 31 | 39 | 22 |
| 3 | Diseases of the blood (-forming organs) & immunol.disorders | 114 | 18 | 4892 | 121 | 66 | 54 | 68 | 50 | 120 | 262 | 199 | 110 | 251 | 65 |
| 4 | Endocrine, nutritional and metabolic diseases | 84 | 9 | 116 | 1582 | 125 | 73 | | 50 | 49 | 266 | 127 | 373 | 117 | 71 |
| 5 | Mental and behavioral disorders | 28 | 6 | 77 | 132 | 2268 | 203 | 37 | 84 | 24 | 172 | 80 | 30 | 124 | 77 |
| 6 | Diseases of the nervous system | 32 | 8 | 56 | 76 | 139 | 2310 | 32 | 107 | 25 | 121 | 75 | 29 | 131 | 62 |
| 7 | Diseases of the circulatory system | 25 | 8 | 51 | 90 | 67 | 69 | 219 | | 28 | 58 | 62 | 63 | 79 | 38 |
| 8 | Diseases of the respiratory system | 73 | 5 | 88 | 67 | 125 | 119 | 33 | 378 | 39 | 86 | 144 | 55 | 58 | 48 |
| 9 | Diseases of the digestive system | 170 | 13 | 185 | 80 | 80 | 51 | 46 | 38 | 1110 | 67 | 107 | 94 | 113 | 58 |
| 10 | Diseases of the skin and subcutaneous tissue | 462 | 12 | 261 | 136 | 81 | 62 | 35 | 25 | 63 | 12088 | 258 | 118 | 0 | 101 |
| 11 | Diseases of the musculoskeletal system/connective tissue | 170 | 9 | 235 | 113 | 113 | 44 | 48 | 99 | 85 | 413 | 4865 | 161 | 159 | 139 |
| 12 | Diseases of the genitourinary system | 233 | 12 | 183 | 93 | 79 | 62 | 65 | 32 | 58 | 112 | 126 | 1107 | 90 | 66 |
| 13 | Other diseases | 74 | 9 | 72 | 42 | 92 | 28 | 145 | | 102 | 258 | 52 | 283 | 42055 | 72 |
| | Symptoms, signs, abnormal findings, ill-defined causes and | 33 | 15 | 35 | 173 | 130 | 152 | 141 | 23 | 43 | 43 | 224 | 75 | 219 | 87 |
| 14 | Mechanisms of death | | | | | | | | | | | | | | |
| 15 | External causes | 40 | 9 | 63 | 51 | 201 | 184 | 50 | 54 | 34 | 77 | 67 | 33 | 109 | 1989 |

表 11 tab 7

tab 7.a : CDAI - All ages- Males

| | | 1 | | | | | CONTE | RIBUTING (| ALISE OF | DEATH | | | | | |
|--------|--|--|---------|---|------|-----------|----------|----------------------------------|----------|---------------------------------|--|-------------------------------|---|-------------------|-----------------|
| group# | UNDERLYING CAUSE OF DEATH | Infectious and parasitic diseases | Neoplas | Diseases of the blood (- forming organs) & immunol. disorders | | behaviora | Diseases | Diseases of the circulator | | Diseases of the digestive | Diseases of the skin and subcutan eous tissue | of the musculos keletal | Diseases of the genitourin ary system | Other diseases | External causes |
| 1 | Infectious and parasitic diseases | 1473 | 4 | 289 | 132 | 64 | 87 | 57 | 58 | 219 | 823 | 174 | 138 | 92 | 42 |
| 2 | Neoplasms | 74 | 294 | 72 | 36 | 27 | 21 | 19 | | | 25 | 36 | 40 | 38 | 10 |
| 3 | Diseases of the blood (-forming organs) & immunol.disorders | 134 | 34 | 5641 | 111 | 59 | 82 | 75 | 50 | 121 | 307 | 173 | 159 | 73 | 56 |
| 4 | Endocrine, nutritional and metabolic diseases | 93 | 12 | 156 | 1795 | 144 | 92 | 106 | 53 | 61 | 380 | 151 | 436 | 74 | 45 |
| 5 | Mental and behavioral disorders | 42 | 11 | 83 | 184 | 2963 | 287 | 48 | 103 | 40 | 162 | 92 | 42 | 31 | 39 |
| 6 | Diseases of the nervous system | 61 | 10 | 55 | 71 | 138 | 2604 | 34 | 119 | 34 | 141 | 116 | 46 | 53 | 46 |
| 7 | Diseases of the circulatory system | 30 | 11 | 54 | 103 | 68 | 74 | 265 | 64 | 32 | 72 | 58 | 79 | 66 | 24 |
| 8 | Diseases of the respiratory system | 92 | 8 | 94 | 79 | 147 | 128 | 36 | 292 | 45 | 91 | 122 | 67 | 88 | 37 |
| 9 | Diseases of the digestive system | 171 | 16 | 208 | 95 | 94 | 63 | 56 | 40 | 1178 | 67 | 89 | 110 | 94 | 37 |
| 10 | Diseases of the skin and subcutaneous tissue | 653 | 16 | 297 | 277 | 75 | 34 | 49 | 37 | 84 | 16438 | 377 | 153 | 24 | 50 |
| 11 | Diseases of the musculoskeletal system/connective tissue | 358 | 17 | 217 | 139 | 90 | 97 | 48 | 87 | 128 | 465 | 10789 | 259 | 149 | 56 |
| 12 | Diseases of the genitourinary system | 180 | 12 | 162 | 116 | 82 | 88 | 84 | 37 | 73 | 136 | 126 | 1165 | 76 | 51 |
| 13 | Other diseases | 120 | 18 | 266 | 35 | 54 | 103 | 149 | 42 | 93 | 113 | 56 | 403 | 12020 | 51 |
| 14 | Symptoms, signs, abnormal findings, ill-defined causes and Machanisms of death | 29 | 18 | 40 | 220 | | | 146 | | | | | 105 | 133 | 63 |
| 15 | External causes | 41 | 11 | 60 | 55 | 197 | 191 | 58 | 60 | 46 | 71 | 75 | 42 | 47 | 1435 |

tab 7.b : CDAI - Deaths under the age of 65 - Males

| | | | | | | | CONTE | IDITING (| CAUSE OF | DEATH | | | | | |
|--------|--|--|---------|---|------|------------------|----------|----------------------------------|--|---------------------------------|--|--|---|-------------------|-----------------|
| group# | UNDERLYING CAUSE OF DEATH | Infectious and parasitic diseases | Neoplas | Diseases of the blood (- forming organs) & immunol. disorders | | and behaviora | Diseases | Diseases of the circulator | Diseases of the respirator y system | Diseases of the digestive | Diseases of the skin and subcutan eous tissue | Diseases of the musculos keletal system/c onnective tissue | Diseases of the genitourin ary system | Other diseases | External causes |
| 1 | Infectious and parasitic diseases | 1368 | 4 | 415 | 157 | 42 | 133 | 59 | 90 | 304 | 728 | 209 | 225 | 98 | 11 |
| 2 | Neoplasms | 92 | 256 | 74 | 31 | 10 | 19 | 13 | 51 | 57 | 33 | 38 | 35 | 39 | 4 |
| 3 | Diseases of the blood (-forming organs) & immunol.disorders | 209 | 32 | 6029 | 77 | 25 | 188 | 98 | 161 | 109 | 0 | 294 | 205 | 71 | 27 |
| 4 | Endocrine, nutritional and metabolic diseases | 98 | 7 | 143 | 1544 | 130 | 106 | 132 | 106 | 69 | 441 | 189 | 580 | 58 | 14 |
| 5 | Mental and behavioral disorders | 40 | 5 | 61 | 227 | 2114 | 439 | 53 | 215 | 35 | 62 | 182 | 64 | 0 | 20 |
| 6 | Diseases of the nervous system | 77 | 5 | 65 | 74 | 96 | 2135 | 39 | 210 | 29 | 299 | 200 | 65 | 29 | 27 |
| 7 | Diseases of the circulatory system | 25 | 4 | 49 | 117 | 55 | 70 | 337 | 55 | 30 | 61 | 54 | 100 | 61 | 5 |
| 8 | Diseases of the respiratory system | 149 | 10 | 125 | 118 | 202 | 230 | 31 | 1000 | 49 | 182 | 156 | 118 | 95 | 16 |
| 9 | Diseases of the digestive system | 127 | 8 | 206 | 123 | 134 | 56 | 64 | 52 | 785 | 81 | 70 | 140 | 79 | 12 |
| 10 | Diseases of the skin and subcutaneous tissue | 800 | 18 | 115 | 397 | 0 | 77 | 33 | 140 | 104 | 25766 | 217 | 401 | 0 | 38 |
| 11 | Diseases of the musculoskeletal system/connective tissue | 323 | 16 | 303 | 151 | 34 | 195 | 49 | 292 | 105 | 514 | 10487 | 357 | 112 | 3 |
| 12 | Diseases of the genitourinary system | 194 | 9 | 149 | 221 | 77 | 170 | 107 | 73 | 85 | 205 | 251 | 1904 | 82 | 21 |
| 13 | Other diseases | 104 | 11 | 195 | 20 | 16 | 186 | 171 | 135 | 64 | 546 | 51 | 410 | 1938 | 18 |
| 14 | Symptoms, signs, abnormal findings, ill-defined causes and Mechanisms of death | 26 | 14 | 74 | 381 | 382 | 281 | 113 | 76 | 127 | 209 | 433 | 199 | 111 | 29 |
| 15 | External causes | 21 | 4 | 33 | 45 | 266 | 141 | 24 | 61 | 30 | 34 | 44 | 23 | 23 | 540 |

tab 7.c : CDAI - Deaths at 65 and over - Males

| | | | | | | | CONTR | BUTING (| AUSE OF | DEATH | | | | | |
|--------|---|--|---------------|---|------------------------------|-----------|-----------------------------|----------------------------------|--|-------------------------------|----------------|---------------------------------|---|-------------------|-----------------|
| group# | UNDERLYING CAUSE OF DEATH | Infectious and parasitic diseases | Neoplas ms | Diseases of the blood (- forming organs) & immunol. disorders | and metabolic diseases | disorders | of the nervous system | of the circulator y system | Diseases of the respirator y system | of the digestive system | eous tissue | system/c onnective tissue | Diseases of the genitourin ary system | Other diseases | External causes |
| 1 | Infectious and parasitic diseases | 1491 | 4 | 270 | 128 | | 78 | | 56 | 198 | 832 | | 130 | | 63 |
| 2 | Neoplasms | 71 | 301 | 72 | 37 | 30 | 22 | 20 | 35 | 84 | 25 | 36 | 40 | | 14 |
| 3 | Diseases of the blood (-forming organs) & immunol.disorders | 121 | 35 | 5584 | 117 | 67 | 62 | 73 | 46 | 125 | 335 | | 155 | | 75 |
| 4 | Endocrine, nutritional and metabolic diseases | 93 | 13 | 158 | 1840 | | 90 | 103 | 51 | 59 | 375 | | 423 | | 66 |
| 5 | Mental and behavioral disorders | 43 | 12 | 86 | 176 | | 257 | 48 | 98 | 41 | 170 | 77 | 41 | 153 | 51 |
| 6 | Diseases of the nervous system | 58 | 11 | 54 | 71 | 147 | 2696 | 34 | 115 | 36 | 126 | 102 | 44 | | 59 |
| 7 | Diseases of the circulatory system | 31 | 12 | 55 | 101 | 71 | 75 | 257 | 64 | 33 | 73 | 58 | 77 | 85 | 36 |
| 8 | Diseases of the respiratory system | 82 | 8 | 90 | 72 | 135 | 108 | 37 | 264 | 44 | 83 | 116 | 63 | | 50 |
| 9 | Diseases of the digestive system | 179 | 17 | 208 | 90 | 85 | 64 | 56 | 40 | 1278 | 66 | 92 | 107 | 152 | 54 |
| 10 | Diseases of the skin and subcutaneous tissue | 628 | 16 | 323 | 255 | 91 | 26 | 51 | 33 | 79 | 15598 | 403 | 131 | 117 | 59 |
| 11 | Diseases of the musculoskeletal system/connective tissue | 364 | 18 | 205 | 136 | 102 | 78 | 48 | 78 | 134 | 461 | 10838 | 250 | 291 | 91 |
| 12 | Diseases of the genitourinary system | 177 | 13 | 164 | 97 | 83 | 72 | 81 | 35 | 70 | 130 | 105 | 1099 | 53 | 71 |
| 13 | Other diseases | 123 | 19 | 276 | 37 | 62 | 87 | 146 | 38 | 101 | 74 | 56 | 403 | 51105 | 74 |
| 14 | Symptoms, signs, abnormal findings, ill-defined causes and Mechanisms of death | 30 | 18 | 35 | 191 | 167 | 221 | 150 | 34 | 60 | 54 | 266 | 96 | 220 | 86 |
| 15 | External causes | 45 | 12 | 64 | 57 | 183 | 200 | 62 | 60 | 50 | 74 | 80 | 44 | 142 | 2020 |

tab 8.a : CDAI - All ages- Males&Females

| denotes and paramètic. (ib, coal) consophagus stormech diseases cavely. | 27 28 24.2 0 2 5 123 31917 0 0 0 0 124 3187 0 0 0 0 134 3287 0 0 0 0 141 1289 15942 124 13 15 17 141 201 23 15 17 441 201 201 15 17 441 201 201 15 17 441 201 201 15 17 441 201 201 15 17 441 201 201 15 17 441 201 201 15 17 141 201 201 | 14 (1) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4 | | 29 11 4 29 317 135 47 10 4 85 8 16 175 11 24 | | No. No. |
|--|---|--|--|--|---|---|
| | 0 | 2166 4 0 0 0 14 13 1 15 15 16 16 17 17 17 17 17 17 17 17 17 17 17 17 17 | 2 | 53 13 5 48 30 33 10 3 14 3 2 7 12 4 7 | | |
| dan besaud construction construction and dense particular construction and | | 2 2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | 0 | 130 73 227 285 177 178 179 | | 1 |
| Particular Par | 1 | 278 191 191 291 291 291 291 291 291 291 291 | 10 17 10 14 15 15 15 15 15 15 15 | 24 23 864 272 448 277 448 277 448 277 448 277 448 277 448 277 448 277 448 277 448 277 448 277 477 477 477 477 477 477 477 477 477 | | 1 |
| 1 | 18 184 0 0 0 0 0 0 0 0 0 | 6.6 6.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7 | | 21 10 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1 | 10 10 10 10 10 10 10 10 |

tab 8.a : CDAI - All ages- Males&Females

| | | | | | | | | | | | | | | | | | | | | | - |
|---|--|----------|--|--|---|---|---|---|--|--|--|---|---|--|---|-------|--------|------------------|-------|---|------|
| causes | 35 0 0 43 44 44 7 7 | 14 | 44 32 23 | 2 2 2 2 2 2 3 | 8 01 | 51 8 | 82 05 | 0 85 | 52 342 28 48 | 31 169 48 39 | 23 | 32 34 | 51 40 34 57 | 26 50 49 67 | 43 | 52 | 21 | 78 | 1835 | 1791 | 1314 |
| ional self- harm | 2222222 | 5 × × | 2 2 2 2 | 22222 | A A | 22 | 5 5 | § § § § | 8 8 8 8 | N N N N | 8 8 8 8 | 8 8 8 8 | <u> </u> | 2222 | AN AN | N N | § § | ≨ ≨ ≨ | N AN | × × × | ž Ž |
| poisoning | 2 2 2 2 2 2 2 2 2 2 | ž ž ž | ž ž ž ž | 2 2 2 2 2 2 | N N | ≨ ≨ | ž ž: | 2 2 2 2 | 2 2 2 2 | 2 2 2 2 2 | 2 2 2 | ž ž ž ž | ž ž ž ž | 2 2 2 2 2 | ¥ 2 | žž | žž | ž ž ž | 2 2 | 2 2 2 | 2 2 |
| rails fails | 2 2 2 2 2 2 2 2 2 2 | NA NA | A A A A | * * * * * * | NA NA | N N | W 1 | 2 2 2 2 | AN AN AN | NA NA NA | N N N | 8 8 8 8 | N N N | 2 2 2 2 2 2 2 3 3 4 5 5 | NA NA | NA NA | NA NA | 8 8 8 | N N | 8 8 8 | 5 8 |
| accidents | 2 2 2 2 2 2 2 2 2 2 | ž ž ž | 2 2 2 2 | 222222 | 2 2 | ≨ ≨ ∶ | ≨ ≨ : | 2 2 2 2 | 2 2 2 2 | 22222 | 2 2 2 2 | 2 2 2 2 | 2 2 2 2 | 2 2 2 2 2 | A Z | žž | 2 2 | \$ \$ \$ | 2 Z | 2 2 2 | ž ž |
| diseases | 13 0 0 0 0 118 137 74 3 3 3 15 | 2 8 0 | 136 | 12 26 7 14 15 | 9 9 | 129 | 8 6 | 5002 | 13 0 0 20 | 25 27 | 19 24 29 | 46 113 80 | 118 70 116 72 | 134 26 73 102 16 | 64 125 | 107 | 161 | 79 | 0 2 | 20 0 20 | 53 |
| diseases of the genitourinary system | 36 64 64 64 64 64 64 64 64 64 64 64 64 64 | 9 9 9 | 11 0 0 61 | 277 50 83 37 144 | 30 | 4 80 | 3 2 2 | 6 0 1 2 8 | 0 0 8 | 59 8 57 70 | 50 60 45 | 742 61 52 | 113 66 54 | 50 61 64 151 | 02 19 | 106 | 2754 | 127 | 21 | E 9 E | - 44 |
| of prostate | 62 0 53 76 0 0 0 0 77 74 | 38 | 0 | 0 0 178 265 28 70 | 0 82 | 86 0 | 123 | 0 0 183 | 20 0 0 20 | 0 0 355 150 | 132 78 84 | 008 | 184 239 272 47 | 28 0 0 0 0 0 | 0 5 | 153 | 164928 | 645 | 0 54 | 34 | 976 |
| Other diseases of Midney and uneter | 20 2841 42 132 132 141 135 4 4 | 5 = 0 | 31 0 0 15 | 280 97 71 304 364 | 0 45 | 64 15 | 119 | 238 | 0 | 19 36 28 52 | 28 28 | 39 130 49 | 0 2 2 5 | 443 | 02 803 | 15099 | 2096 | 308 53 229 | 00 | 47 | 28 |
| onal Tank | 258 258 30 30 204 236 104 17 17 | 32 | 23 29 22 | 58 31 77 107 119 | 9 20 | 48 | 131 | 24 74 88 | 263 10 0 25 | 23 26 26 | 46 46 | 570 108 69 78 | 36 32 66 | 44 94 86 126 149 | 001 | 1410 | 234 | 117 | 0 1 | 22 49 | 42 |
| diseases of the musculoskele tall tall control country system/connective tissue | 107 825 65 198 167 242 29 27 20 | 22 10 | 42 102 124 114 | 28 20 20 57 | 10 44 | 103 | 8 65 | 142 324 52 | 131 | 195 82 64 135 | 57 67 45 | 149 80 121 95 | 98 65 85 | 127 128 67 124 350 | 11684 | 8 8 | 264 | 263 | 33 | 2 | 69 |
| arthrife and teoarthrosis | 132 2919 41 41 289 232 312 21 21 20 | 13 | 31 26 26 | 29 30 14 6 43 | 36 | 39 | 318 | 2 6 6 5 | 27.1 0 0 7.2 | 76 0 81 46 | 5 6 7 | 165 314 162 | 190 27 201 | 297 180 24 127 299 | 17264 | 138 | 300 | 180 | 2 0 | 98 0 28 | 99 |
| Useases of the skin and subcutineou o s tissue | 75 0 0 65 1498 105 357 13 12 | 12 77 | 16 0 119 22 | 10 24 40 40 40 40 40 40 40 40 40 40 40 40 40 | 19 | 13 | 270 | 250 0 0 225 | 0 0 151 | 176 33 135 147 | 28 54 78 | 97 | 150 37 87 | 85 68 8 91 14279 | 371 | 129 | 258 | 184 | 30 | 104 | 2 40 |
| Uned diseases of the the disease of the system | 30 248 738 77 163 71 22 37 37 | 201 | 12 21 38 38 38 | 52 22 25 25 25 25 25 25 25 25 25 25 25 2 | 95 | 3 80 | 125 | 4 2 8 4 | 33 0 0 30 | 22 17 | 23 88 23 | 7 4 2 6 | 19 40 30 52 | 31 509 592 1464 71 | 09 55 | 09 02 | 92 | 111 | 0 98 | 43 33 | 40 |
| disease disease th | 64 244 1931 70 89 40 8 24 16 | 457 | 7 7 7 0 | 0 8 2 8 2 8 | 0 6 | 21 8 | 5 45 | 0 13 0 8 | 2 0 0 0 0 | 2 0 0 12 | 28 | 47 131 44 | 13 29 29 29 | 42 4070 55 61 | \$ 25 | 29 | 58 | 88 0 0 | 0 22 | 13 | 29 |
| utoer of stormach, duodenum and jejunum | 143 0 123 773 444 103 11 11 | 27 48 52 | 37 0 25 | 28 22 23 24 22 | 9 00 | 31 5 | 8 11 | 19 0 10 | 100 224 0 40 | 0 25 25 25 | 22 22 82 | 2 2 0 2 | 2 2 2 4 | 47 17857 95 78 | 258 | 77 | 202 | 132 | 0 40 | 200 | 43 0 |
| diseases of the spirate of the spirate of system | 583 40 40 86 57 275 31 49 | 2 2 2 | 9 9 41 | 15 40 27 40 40 | 39 | 38 | 2 2 8 | 170 | 134 | 20 20 56 | 38 23 88 | 52 172 87 | 184 207 410 | 2177 40 48 51 64 | 546 | 8 8 | 28 | 98 | 215 | 283 | 127 |
| diseases due of the same diseases due sagents | 25 17 17 18 185 60 60 38 70 32 | 15 41 | 26 7 31 29 | 5 0 12 8 27 27 | 27 | 23 | 8 8 | 2 8 8 8 | 41 265 0 294 | 168 589 527 533 | 24 175 | 24.44 | 25 14 56 2305 | 22 99 17 107 | 27 | 38 | 26 | 0 72 | 0 22 | 2 42 2 | 76 |
| lower (nspiratory diseases | 176 0 15 15 47 47 45 45 25 | 2 7 2 | 20 22 6 | 8 5 24 24 21 | 19 | 13 | 8 8 | 155 39 | 0 0 34 | 31 31 32 32 32 32 32 32 32 32 32 32 32 32 32 | 33 34 | 179 | 748 360 3668 109 | 98 9 9 9 9 9 | 30 | 39 | 31 | 28 20 0 | 0 6 | 28 23 | 40 |
| Astrino | 118 0 42 42 56 30 110 114 9 27 | 20 20 | 28 0 28 20 20 20 20 20 20 20 20 20 20 20 20 20 | 8 20 8 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0 16 | 13 22 | 21 23 | 1 9 0 0 | 2008 | 0 77 73 85 35 35 | 92 87 | 170 689 104 | 467 19334 294 71 | 29 29 0 | 85 | 41 | 344 | 222 | 32 | 299 | 47 |
| Other acute bower mapimabary diseases | 65 0 226 40 62 155 10 9 | 9 40 | 0000 | 0 0 52 0 0 22 | 171 | 00 3 | 119 | 188 | ± 0 0 ½ | 16 49 104 | 45 85 85 | 57 645 57 | 48108 592 424 40 | 50 0 0 0 | 0 6 | 0 0 | 0 42 | -00 | 0 0 | 20 0 | 100 |
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| thyroid gland | 0 157 434 0 580 21 13 | 0 0 | 42 0 0 | 222 0 0 38 0 | 00 | 50 | 0 81 | 62759 561 | 0 | 0 0 0 5 | 125 176 30 | 9668 160 0 212 | 820 477 0 295 | 123 194 32 | 0 0 | 211 | 269 | 283 | 587 | 0 0 | 0 0 | 0 0 | 0 |
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| # dnough | - 4 6 4 6 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | | 2 2 2 5 5 <u>N</u> | | | 28 28 27 28 29 20 20 20 20 20 20 20 20 20 20 20 20 20 | | | * * * * * * : | | | | | | | | | | 181 | | 88 2 | | |
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tab 8.b : CDAI - Deaths under the age of 65 - Males&Females

Other external 225 275 55 114 62 107 8 Ulcer of stomach, duodenum and jejunum Other diseases of the respiratory system Lung diseases due to external agents her chronic lower espiratory diseases Other acute lower respiratory diseases UNDERL' # dnoub

tab 8.c : CDAI - Deaths at 65 and over - Males&Females

0 8 43 106 24 74 Other Endocrine, nutritional and metabolic diseases Mahutrition and other nutritional eficiencies 126 0 76 119 193 162 Diabetes melitus 90 1185 102 361 335 Secondary malignant neoplasm Maignant neoplasm of eye, brain and other parts of central nervous system Malignant neoplasm of kidney Malignant eoplasm of ovary 31 38448 - 208 0 80 2653 0 42 32 17 0 0 0 22 38 242 14 53 31 14 10 Malignant sopksom of breast Malignant soplasm of skin 00000 Malignant nelsanoma of skin 0 4 4 0 0 Malignant neoplasm of stomach 254 0 3711 0 38 0 317 0 230 0 Masgnant neoplasm of lip, oral cavity, pharmx 32 30 22 613 0 37 22 15 3 2877 91 3 741 25665 2 222 88 12 Intestinal Infectious diseases UNDERLYING CAUSE OF DEATH # dnosb

: CDAI - Deaths at 65 and over - Males&Females

coldental

Other

Other external uioide/intent ional self-harm Other diseases of the digestive system 45 27 346 291 757 60 711 68 176 7 23 Other beases of the aspiratory avalem Lung diseases due to external agents Other chronic lower respiratory diseases Other acute lower respiratory diseases Other seases of circulatory system schaomic heart diseases UNDERLYING CAUSE OF DEATH g dnost