
Comparison of causes of death

between the International Classification of Diseases (ICD8)
and the Finnish Classification of Diseases 1987
and the Longitudinal Data of Causes of Death since 1971

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Preface

The classification of causes of death changed in 1987 with the adoption of the Finnish Classification of Diseases 1987 based on the Ninth Revision of the International Classification of Diseases. From 1969 until 1986 the previous revision of the International Classification, the Eighth Revision, was in use. This report will assess on the basis of the 1987 mortality records how the change in the classification affects mortality by cause, and describe the compilation of the longitudinal data of causes of death since 1971.

This report is meant for those users of mortality statistics who study trends in mortality by cause either by using statistics published by Statistics Finland or are interested in

mortality in their own follow-up studies. The report was compiled by Hilkka Ahonen, Senior Statistician, and Mauno Huohvanainen, Statistician. Terttu Turpeinen, Assistant Statistician, participated in the compilation of the tables and Kauko Rekonen, Chief Planner, was in charge of the data processing.

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1 Introduction

From 1969 until 1986 the Eighth Revision of the International Classification of Diseases (ICD8)¹ was used for classifying causes of death. The Finnish Classification of Diseases 1987² based on the Ninth Revision of the International Classification of Diseases³ was adopted in 1987. The structure of the International Classification remained the same. For instance, the codes for categories have three or four digits in both classifications. The Ninth Revision is somewhat more detailed than its predecessor and it has been brought up-to-date according to current medical knowledge.

The so-called main classification is more detailed in the Finnish Classification of Diseases than in the international version. Each category is classified with a 5-digit code, the fifth digit being a letter. The categories of the Finnish and the International Classification are completely identical at the 3-digit level and for the most part at the 4-digit level, too. Despite the unchanged structure of the classification, it has been possible to group individual diseases in a new way, categories are more detailed and/or more specified than in the previous system.

The Supplementary Classification of External Causes of Injury and Poisoning, the E code, is considerably rougher

in the Finnish Classification than in the International Classification. According to the rules for determining the underlying cause of death, external causes of injury and poisoning must be used in preference to the main classification in cause-of-death statistics. Thus, in this sense the change in the classification has not only affected the classification of diseases but it has also had an effect on mortality statistics by cause.

In addition to the content of the classification categories, the code number for a category with an unchanged content may have changed. The classification also includes the rules for the selection and modification of the underlying cause of death as well as other guidelines for the compilation of the statistics. These factors, as well as classification categories, influence cause-of-death statistics. As an example, the Ninth Revision included a totally new rule concerning errors and accidents in medical care. According to this rule, these errors can be selected as the underlying cause which was never possible under the Eighth Revision. Furthermore, changes in the supplementary rules of Statistics Finland also affect the results of the statistics.

1 Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death, the Eight Revision, World Health Organization, Geneva, 1967.
2 Tautiluokitus 1987, Lääkintöhallitus, Helsinki 1986.
3 Manual of the International Statistical Classification of Diseases, Injuries and Causes of Death, the Ninth Revision, World Health Organization, Geneva, 1977.

2 Aim of the comparison

Mortality statistics by cause cannot be compiled only as a cross-section describing the significance of different causes of death at a certain point of time. A description of trends in different causes of death over several years or even decades is also necessary. A change in classification reduces the accuracy of the statistics as the describer of chronological change. The extent of errors in chronological comparison naturally depends on the degree of the change. Structurally, the change in the classification of diseases was not great, but the chronological comparability of some individual cases may have suffered considerably.

The aim of this report is to provide the users of mortality statistics by cause with information on the extent of the error the change in the classification causes in mortality by each cause of death. The basic element of the report applied to most cases in this report is the three-digit level of the classification. The report was compiled with 1987 data in two stages:

- 1 First it was found out how ICD8 categories were divided between the different categories or parts of categories in the Finnish Classification. In other words, **transfers** from one category into another caused by the change in the classification were examined. If an ICD8 3-digit category was divided between several categories in the Finnish Classification, transfers were examined with ICD8 4-digit categories if there were any. On further consideration, also four or even five-digit categories in the Finnish Classification were examined.
- 2 Secondly, on the basis of the former, a conversion key was compiled. This made it possible to reclassify ICD8 data according to the Finnish Classification. Conversion error was examined in the 1987 data.

At a later date, Statistics Finland will publish statistics on mortality by cause since 1971 applying the conversion key. This report can be used in order to assess error in that statistical data as well as real trends in mortality.

3 Comparison data

Apparently, so far Finland is the only country in the world where a change in classification has been studied with one year's total data. The underlying cause of death in the 1987 mortality records has been classified in accordance with two classifications: ICD8 and the Finnish Classification of Diseases 1987.

Despite the fact that this report was compiled using the full data, the method has the following weaknesses:

- 1) In 1987 doctors reported causes of death according to the Finnish Classification, so the given basic information already reflects the accuracy of the new classification.
- 2) The codes of both ICD8 and the Finnish Classification were coded at the same time. The coding was not independent.
- 3) Even though the whole year's data were double coded, one year's data are, however, only a sample of all the data ICD8 has been applied to (1969–1986/7): rarer causes of death do not occur every year and diagnosing practice may have changed during this long period of time. Conclusions drawn on the basis of the last year of the period may not necessarily be correct when applied to data from the first years of the period.
- 4) The underlying causes of death include less coding errors in the comparison data than normal annual data. The underlying cause has been coded according to two classifications each of which controls the other. If a code in the Finnish Classification was illogical

according to ICD8 one of the codes was corrected. The results by cause of death according to the Finnish Classification in this comparison differ slightly from the previously published annual statistics.

- 5) The comparison data do not include stillbirths. Furthermore, the death certificate and concept of cause of death for stillbirths and infants dying between the ages 0–27 days changed in 1987. The concept of the underlying cause of death was abandoned and terminology according to ICD9 was adopted: the main disease or condition in the fetus or infant, two other conditions in the fetus or infant, the main maternal disease or condition affecting the fetus or infant and two other maternal conditions affecting the fetus or infant.

In order to be able to compare the classification of causes of death for the fetus or infant between the different classifications, it was necessary to make the terminology of the classifications compatible. As it was not possible to change the concept of "the underlying cause of death" as in ICD8 directly into "main condition in the fetus or infant" as in the Finnish Classification, the following change was made: the main condition in the fetus or infant and the main maternal condition together formed the underlying cause of death. In practice, this meant that instead of, e.g. asphyxia and prematurity conditions in the fetus or infant, the main maternal disease or condition affecting the fetus or infant was classified, if possible, as the underlying cause of death. After this, the comparison was carried out as in the other data.

4 Transfers between categories in the classifications

4.1 General

Reasons for transfers between categories due to a change in classification are:

- change in the content of a category when a category or a part of it has been transferred into another main chapter or positioned in a different context within the same main chapter
- the code for a category has been changed, in which case the category most often merely takes up a new position within the same main chapter and thus impedes the comparison of the more specific sections within this chapter.

- WHO rules and guidelines concerning the selection and modification of the underlying cause of death have changed
- supplementary guidelines by Statistics Finland have changed
- the concept of cause of death concerning stillbirths and infants dying at the age of 0-27 days has changed.

Change in classification causes transfers at different levels of the classification. In this report only changes between main chapters and some of the more important changes within main chapters are observed. Detailed information on changes within main chapters is presented in Table 3.

4.2 Transfers between main chapters

98.8 per cent of all cases were classified in the same chapter both according to ICD8 and Classification of Diseases. The importance of the change increases when looking at age-related mortality. Significant changes in

causes of death at chapter level include infections in infants, alcohol-related diseases in adults and Alzheimer disease in the elderly.

Table 1. Distribution of deaths into the main chapters according to ICD8 and the Finnish Classification of Diseases 1987 and gross and net transfers in the 1987 data

Chapter	ICD8		Transferred from chapter	Class.1987		Transferred into chapter	Net change	
	Number of deaths	Per cent		Number of deaths	Per cent		Number of deaths	Per cent
I	391	0.8	-21	383	0.8	+13	-8	2.0
II	9 729	20.3	-	9 740	20.3	+11	+11	+0.1
III	599	1.2	-16	586	1.2	+3	-13	-0.5
IV	51	0.1	-1	50	0.1	-	-1	-2.0
V	1 557	3.2	-325	1 233	2.6	+1	-324	-20.8
VI	590	1.2	-8	797	1.7	+215	+207	+35.1
VII	24 796	51.7	-166	24 698	51.5	+68	-98	-0.4
VIII	3 179	6.6	-7	3 174	6.6	+2	-5	-0.2
IX	1 416	3.0	-4	1 587	3.3	+175	+171	+12.1
X	572	1.2	-5	568	1.2	+1	-4	-0.7
XI	3	0	-	3	0	-	-	-
XII	23	0.0	-1	22	0.0	-	-1	-4.3
XIII	258	0.5	-5	255	0.5	+2	-3	-1.2
XIV	259	0.5	-3	258	0.5	+2	-1	-0.4
XV	147	0.3	-	167	0.3	+20	+20	+13.6
XVI	247	0.5	-18	229	0.5	-	-18	-7.3
XVII	4 171	8.7	-1	4 238	8.8	+68	+67	+1.6
Total	47 988	100.0	-581	47 988	100.0	+581	0	

The quantitative change at chapter level does not seem great when looking at the distribution of deaths in different classifications. The chapters that have gone through the greatest change are VI "Diseases of the Nervous System and Sense Organs" which increased in size by a third and V "Mental Disorders" which decreased in size by a fifth. However, this net change does not show the number of cases that were transferred from one category to another because cases that cause a decrease in one category cause an increase in another. Some transfers neutralize each other. There were 581 transfers between chapters.

I Infectious and Parasitic Diseases: Some cases were transferred to chapter XV "Certain Conditions originating in the Perinatal Period" in which infections during the perinatal and neonatal period are classified. Another reason for the decrease in chapter I is the change in the rules for the selection of the underlying cause of death. According to the new rule, it is no longer absolutely necessary to select infectious diseases, which are often reported to be the direct cause, as the underlying cause. According to the Classification of Diseases and the new rule, the original cause of death reported by the doctor is selected as the underlying cause. On the other hand, some new cases were classified in chapter I including deaths from AIDS (5 cases) transferred from chapter III "Endocrine and Metabolic Diseases" and Jakob-Creutzfeldt disease and leucoencephalopathy from "Diseases of the Nervous System and Sense Organs" (8).

II Neoplasms: Changes in this chapter were minor. It may be mentioned that due to a change in the rules for the determination of the underlying cause of death three cases from chapter I and, due to the change in the classification five cases from chapter III were transferred to chapter II.

III Endocrine, Nutritional and Metabolic Diseases, and Immunity Disorders: Several small categories were transferred to other chapters: benign neoplasms of parathyroid glands from categories 252 and 253 to neoplasms (5 cases), coeliac disease and malabsorption from category 269 to diseases of the digestive system (5), AIDS from category 275 to infectious and parasitic diseases (5) and haemosiderosis from category 279 to diseases of the respiratory system (1).

V Mental disorders: There was a considerable decrease in this chapter:

- Deaths from Alzheimer disease (203 cases) are now classified in chapter IV "Diseases of the Nervous System and Sense Organs" which had the greatest growth of all chapters.
- Most deaths from alcoholism (65 cases) are now classified in chapter VII "Diseases of the Circulatory System" and those whose cause of death is accidental poisoning by alcohol are classified in chapter XVII "Accidents and Violence" (56 cases).

VI Diseases of the Nervous System and Sense Organs: The increase in this chapter results almost entirely from the transfer of Alzheimer disease from mental diseases.

There is an increase in "Diseases of the Circulatory System" (VII) because some deaths from alcoholism are now included in this chapter. On the other hand, there is also a decrease due to the transfer of vascular insufficiency of intestine to chapter IX "Diseases of the Digestive System" (159 cases).

Table 2.
Transfers between the main chapters ICD8 - Classification of Diseases 1987 in the 1987 data

ICD8	Finnish Classification of Diseases 1987																	
	Total	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XVI	XV	XVI	XVII
Total	47 988	383	9 740	586	50	1 233	797	24 698	3 174	1 587	568	3	22	255	258	167	229	4 238
I	391	370	3	-	-	-	-	1	1	2	-	-	-	1	2	11	-	-
II	9 729	-	9 729	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
III	599	5	5	583	-	-	-	-	1	5	-	-	-	-	-	-	-	-
IV	51	-	1	-	50	-	-	-	-	-	-	-	-	-	-	-	-	-
V	1 557	-	-	-	-	1 232	204	65	-	-	-	-	-	-	-	-	-	56
VI	590	8	-	-	-	-	582	-	-	-	-	-	-	-	-	-	-	-
VII	24 796	-	-	-	-	-	-	24 630	-	161	-	-	-	1	-	-	-	4
VIII	3 179	-	-	-	-	-	-	-	3 172	-	-	-	-	-	-	7	-	-
IX	1 416	-	-	-	-	-	-	-	-	1 412	-	-	-	-	-	2	-	2
X	572	-	-	-	-	-	-	-	-	-	567	-	-	-	-	-	-	5
XI	3	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
XII	23	-	1	-	-	-	-	-	-	-	-	-	22	-	-	-	-	-
XIII	258	-	-	-	-	-	5	-	-	-	-	-	-	253	-	-	-	-
XIV	259	-	1	-	-	-	-	2	-	-	-	-	-	-	256	-	-	-
XV	147	-	-	-	-	-	-	-	-	-	-	-	-	-	-	147	-	-
XVI	247	-	-	3	-	-	6	-	-	7	1	-	-	-	-	-	229	1
XVII	4 171	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	4 170

VIII Diseases of the Respiratory System: Congenital pneumonia was transferred to perinatal causes (7). In addition to the above mentioned vascular insufficiency of intestine (cat. 557), also gastrointestinal haemorrhage (7 cases), previously classified in chapter XVI, was transferred to chapter IX, diseases of the digestive system. The number of symptoms and insufficiently defined cases would have decreased in any case as, e.g. encephalopathy NOS was transferred to chapter VI.

XVII Accidents and Violence: In addition to the above mentioned poisoning by alcohol in alcoholics, this chapter now includes deaths resulting from adverse reaction to treatment of a trivial condition. New categories that have been added to this chapter are "Surgical and Medical Procedures as the Cause of Abnormal Reaction of Patient" (4) and "Drugs, Medicaments and Biological Substances Causing Adverse Effects in Therapeutic Use" (8) (total 12 cases).

4.3 Transfers within chapters

Transfers both within and between chapters are presented in Table 3. Only those categories into which cases from deaths in 1987 are classified are presented in the table. The table demonstrates chapter by chapter how ICD8 categories correspond to categories in the Classification of Diseases 1987. Part A of the table presents all the corresponding categories of the Classification of Diseases 1987 in accordance with ICD8. In part B of the table these same categories are organized according to the Finnish Classification of Diseases.

In the following some of the most important internal changes in the chapters are presented. Details can be found in the table.

I Infectious and Parasitic Diseases: The greatest internal change concerned late effects which in Classification of Diseases 1987 have been gathered at the end of chapter I in categories 137–139. In ICD8 late effects of tuberculosis is cat. 019 (total 61 cases), late effects of acute poliomyelitis is cat. 044 (total 3 cases). The late effects of other infectious and parasitic diseases (cat. 139, total 4 cases) are not separated in ICD8.

II Neoplasms: ICD8 categories 208 "polycythaemia vera" and 209 "myelofibrosis" have been transferred from malignant neoplasm of lymphatic and haematopoietic tissue to the end of the chapter into category 238 "neoplasm of uncertain behaviour". ICD8 categories 196–198 describing secondary neoplasms have been removed. Malignant neoplasm of liver, not specified as primary or secondary, has been included in conjunction with primary neoplasm of liver (1552X). In the classification of Statistics Finland it is, however, classified together with other malignant neoplasms at the end of the chapter (47 cases). There were several smallish transfers between categories within this chapter.

III Endocrine, Nutritional and Metabolic Diseases, and Immunity Disorders and

IV Diseases of the Blood and Blood-forming Organs:

There were some minor changes within these chapters.

V Mental Diseases: The code for categories 310–315 describing mental retardation changed and is now 317–319.

VI Diseases of the Nervous System and Sense Organs: Several 3-digit categories in this chapter have been divided among several other 3-digit categories and, thus, the internal comparability of this chapter is problematic. Furthermore, there were several code changes in the chapter.

VII Diseases of the Circulatory System: Since diseases of the circulatory system are the leading cause of death in Finland, this chapter receives more detailed comments than other chapters.

According to the rules for the determination of the underlying cause of death in Classification of Diseases 1987, cardiac dysrhythmia (427) which is reported with essential hypertension is no longer included in hypertensive diseases, nor is heart failure (428), or other heart disease (429) reported as contributing cause.

ICD8 category 412 "chronic ischaemic heart disease" has been divided among categories 412, 413 and 414 in the Finnish Classification, category 427 "symptomatic heart disease" has been divided among categories 426, 427 and 428. Cerebrovascular diseases from categories 430–434, 436 has been divided among acute conditions 430–434, 436 and late effects of these conditions 438. Furthermore, cerebral haemorrhage from category 431 has been divided between categories 431 and 432. The content of category 437 "generalized ischaemic cerebrovascular diseases" has changed as some cases from it now belong to categories

436, 437 or late effects 438. Category 438 "other unspecified cerebrovascular disease" has been divided among categories 436, 437 and 438. Category 453 "other venous embolism and thrombosis" from diseases of veins has been divided between categories 451 and 453.

VIII Diseases of the Respiratory System: "Aspiration pneumonia" and "acute interstitial pneumonia" previously belonged to pneumonias (484–486). According to Classification of Diseases 1987 they are now included in "other diseases of the respiratory system" (507, 516). The separation of aspiration pneumonia from other pneumonias naturally affects also at the 3-digit level. The code for bronchiectasis 518 changed and is now 494 (16 cases).

The grouping of asthma into 3-digit categories has changed along with a change in the rule for underlying cause of death. According to the Classification of Diseases, when asthma and bronchitis, acute or chronic, are separately reported on the same certificate of cause of death and asthma is reported as the underlying cause of death, it is also selected as such in the statistics, whereas earlier in these cases bronchitis, when it was reported as the contributing cause, was classified as the underlying cause.

IX Disease of the Digestive System: In this chapter, e.g. the grouping of hernia has changed depending on the possibility of a related gangrene or obstruction. A new entry in the chapter is the separation of pancreatitis into non-alcoholic and alcoholic.

Chapters X – XIV: The structure of categories describing diseases of kidney in chapter X has changed so that it is impossible to compare chronological change at the 3-digit level or at the level of the classification of Statistics Finland. Several transfers between 3-digit categories occurred in these chapters..

XV Perinatal conditions: In order to be able to compare the different classifications of perinatal conditions, the ICD9 terminology for causes of death had to be made comparable with the ICD8 concept of the underlying cause of death. This change concerns only certain cause-of-death categories: 772 "fetal and neonatal haemorrhage", 764–766 disorders of fetal growth and disorders relating to short or long gestation, 7701–9 asphyxia conditions in infant or unspecified conditions in newborn from category 7799X. If any of these was reported as the main cause of fetal or infant death, the main maternal condition was classified as the underlying cause of death in the comparison. "Other cause in fetus or infant" was selected as the underlying cause of death if haemorrhage from cat. 772 was reported as the main cause and the infant also had IRD-syndrome

from group 769. The conversion was made by applying ICD9/8 rules for the determination of the cause of death. An increase in the chapter resulted from the classification of neonatal infections in this chapter instead of in chapters I and VIII.

XVII Accidents and Violence: The supplementary classification of External Causes of Injury and Poisoning, the E code, is simpler in the Finnish Classification than in ICD8 (and ICD9). Thus, one category in the E code of the Finnish Classification consists of several ICD8 categories. An exception is the subcategory identifying the injured person in traffic accident which is more detailed in the Finnish Classification than in ICD8.

New entries in this chapter include adverse reactions to medical treatment and side-effects of medicinal agents which transferred cases from the main classification of diseases into this chapter. Similarly, the chapter grows because the rule for determining the underlying cause was changed in the case of alcoholics dying from accidental poisoning by alcohol. These cases which were earlier classified in mental diseases are now classified in accidental poisoning by alcohol (E851).

The E code applied in cause-of-death statistics is more detailed than the E code in the Classification of Diseases 1987 as regards accidental poisoning, late effects of accidents and suicide and self-inflicted poisoning. These definitions of the E code derive from the main chapter "Injuries and Poisoning" (XVII). Accidental poisonings by alcohol in combination with medicinal agents were classified in ICD8 according to the category identifying the medicinal agent. Since they now form their own category, categories describing accidental poisoning do not correspond to each other.

Some fractures, cause unspecified, are classified in accidental falls (E889) due to a change in the rule for determining the cause of death deviating from international practice, and some in unspecified accidents (E929D). The rule for determining the underlying cause concerning accidental or unspecified poisonings in users of dependence-producing drugs (304) has changed. These are always classified in dependency (304) instead of poisonings in cat. E841–E849, E970 according to the rules of the Classification of Diseases, if the poisoning has been caused by a dependence-producing drug.

Some accidents caused by machinery (E927) in ICD8 are classified in transport and traffic accidents (E830) and some in accidents caused by machinery (E922).

3.

Transfer tables of the 1987 mortality records:

A. Distribution of ICD8 categories according to the Finnish Classification of Diseases 1987

B. Compilation of the Finnish Classification of Diseases categories from ICD8 categories

Table A: Symbols preceding ICD8 codes: 1= category has been transferred into another main chapter due to change in classification structure, 2= category has been transferred into another main chapter due to change in the rule for the determination of the underlying cause of death, x= category has been transferred into another category in the Statistics Finland classification,

*= category (3/4-digits) has been transferred within the chapter

A. ICD8 — CLASSIFICATION OF DISEASES 1987

B. CLASSIFICATION OF DISEASES 1987 — ICD8

I INFECTIOUS AND PARASITIC DISEASES

From the chapter total -21
 1 change in classification structure -10
 2 change in rule for underlying cause of death -11

Into the chapter total +13

ICD8	Class. 1987	Number of deaths	Class. 1987	ICD8	Number of deaths
Total		391	Total		383
* 001	139	1	002	002	1
002	002	1	003	003	5
003	003	5	008	008	10
008	008	10	009	009	15
009	009	15	010	0120	1
2	440	1	011	010	2
* 010	011	2		011	81
011	011	81	012	0121	4
*	018	3		0129	3
* 0120	010	1	013	013	4
0121	012	4		018	16
0129	012	3	027	027	6
013	013	4	031	031	5
*	018	2	035	035	7
016	016	3	036	036	2
018	018	16	038	038	87
x 019	137	61	040	039	2
027	027	6	0461	3339	5
1	771	1	0463	3331	3
031	031	5	049	046	1
035	035	7		065	2
2	714	1		079	1
036	036	2	052	052	2
038	038	87	053	053	8
1	771	9	054	054	4
* 039	040	2	055	055	1
x 044	138	3	070	070	3
* 046	049	1	078	0795	2
052	052	2	0788B	2759	1
053	053	8	0788C	2759	4
054	054	4	079	0799	1
* 055	139	2	093	093	2
* 065	049	2	097	097	1
070	070	3	101	101	1
* 079	049	1	112	112	1
* 0795	078	2	117	117	4
0799	079	1	135	135	5
093	093	2	136	136	4
097	097	1	137	019	61
*	139	1	138	044	3
101	101	1	139	001	1
112	112	1		054	2
2	204	1		097	1
2	540	1			
2	571	1			
2	756	1			
2	759	1			
2	768	1			
117	117	4			
2	204	1			
2	205	1			
2	515	1			
135	135	5			
136	136	4			

II NEOPLASMS

From the chapter total 0

Into the chapter total +11

ICD8	Class. 1987	Number of deaths	Class. 1987	ICD8	Number of deaths
Total		9729	Total		9740
140	140	7	140	140	7
141	141	22	141	141	22
142	142	9		146	1
143	143	4	142	142	9
144	144	4	143	143	4
145	145	10	144	144	4
* 146	141	1	145	145	10
	146	14	146	146	14
147	147	11	147	147	11
148	148	16	148	148	16
149	149	4	149	149	4
			150	150	187

3. Transfer tables of the 1987 mortality records:

Table A			Table B		
ICD8	Class. 1987	Number of deaths	Class. 1987	ICD8	Number of deaths
	150	187	151	151	920
	151	920	152	152	43
	152	43	153	153	510
	153	510	154	154	375
x	159	6	155	155	229
	154	375	1552x	1978	47
	155	229	156	156	258
	156	258	157	157	676
	157	676	158	158	26
	158	26		1924	1
	159	57	159	153	6
	160	12		159	57
	161	48	160	160	12
	162	1970	161	161	48
	1630	55	162	162	1970
*	1631	13	163	1630	55
	170	25	164	1631	13
*	171	2		171	2
	171	59	170	170	25
	172	120	171	171	59
	173	26		1924	1
	174	729	172	172	120
*	175	2	173	173	26
	180	80	174	174	729
	1820	126	175	174	2
*	1829	14	179	1829	14
	183	301	180	180	80
	184	49	182	1820	126
	185	539	183	183	301
	186	10	184	184	49
	187	4	185	185	539
	188	183	186	186	10
	189	289	187	187	4
	190	23	188	188	183
	191	225	189	189	289
x	237	1	190	190	23
	192	16	191	191	225
*	1924	1	192	192	16
*	171	1	193	193	51
*	1925	1	194	1925	1
	193	51		194	17
	194	17	195	195	85
	195	85	197	197	2
*	197	2		198	1
*	1978	47		199	180
*	198	1	200	200	90
	199	180		2022	201
	200	90	201	201	49
	201	49	202	202	9
	202	9		695	1
*	2022	201	203	203	212
	203	212	2031	2079	1
	204	119	204	112	1
	205	147		117	1
	206	6		204	119
*	2070	10	205	117	1
*	2071	1		205	147
	2072	1	206	206	6
*	2079	1	2070	2072	1
*	2089	2	2080	2070	10
x	2384	14	2081	2071	1
x	2387A	58	2089	2079	2
	211	3	211	211	3
	212	1	212	212	1
	213	1	213	213	1
	214	1	214	214	1
	215	1	215	215	1
	2250	5	225	2259	2
	2252	23	2250	2250	5
*	228	1	2252	2252	23
	2253	1	2253	2253	1
	2254	1	2254	2254	1
	2259	2	227	2539	3
*	2260	2	2270	2260	2
*	2262	4	2271	2520	1
*	2370	2	2273	2262	4
				2530	1
*	2268	1	228	2252	1
*	230	21	237	191	1
*	231	16		2268	1
*	234	1		2389	1
*	235	1	2370	2262	2
*	236	3	2377	7434	1
*	237	3	2384	208	14
*	238	9	2387	287	1
*	2389	1	2387A	209	58
	239	9	239	230	21
				231	16
				234	1
				235	1
				236	3
				237	3
				238	9
				239	9

3. Transfer tables of the 1987 mortality records:

Table A

III ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, IMMUNITY DISORDERS

From the chapter total -16
1 change in classification structure -16

ICD8	Class. 1987	Number of deaths
Total		599
240	240	1
241	241	1
242	242	4
244	244	1
250	250	514
1 2520	2271	1
1 2530	2273	1
2531	253	2
1 2539	227	3
255	255	3
* 262	2652	1
* 263	266	1
* 2639	265	3
* 265	268	1
* 268	261	1
1 2690	5790	3
1 2691	5799	2
270	270	2
272	272	6
* 273	277	6
* 2732	275	1
274	274	1
* 2751	279	2
* 2755	2733	7
1 2759	0788B	1
1	0788C	4
*	273	1
*	279	1
* 276	2773	19
* 277	278	3
* 279	2778	1
1	5161	1

Table B

Into the chapter total

+3

Class. 1987	ICD8	Number of deaths
Total		586
240	240	1
241	241	1
242	242	4
244	244	1
250	250	514
253	2531	2
255	255	3
261	268	1
265	2639	3
2652	262	1
266	263	1
268	265	1
270	270	2
272	272	6
273	2759	1
2733	2755	7
274	274	1
275	2732	1
276	7880	3
277	273	6
2773	276	19
2778	279	1
278	277	3
279	2751	2
	2759	1

IV DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS

From the chapter total -1
1 change in classification structure -1

Into the chapter total

0

ICD8	Class. 1987	Number of deaths
Total		51
280	280	3
281	281	5
283	283	2
284	284	10
285	285	8
286	286	7
1 287	2387	1
	287	7
288	288	4
289	289	3
* 2899	288	1

Class. 1987	ICD8	Number of deaths
Total		50
280	280	3
281	281	5
283	283	2
284	284	10
285	285	8
286	286	7
287	287	7
288	288	4
	2899	1
289	289	3

V MENTAL DISORDERS

From the chapter total -325
1 change in classification structure -269
2 change in rule for underlying cause of death -56

Into the chapter total

+1

ICD8	Class. 1987	Number of deaths
Total		1557
2900	290	1108
2901	290	7
1 291	331	203
291	291	14
295	295	8
296	296	5
297	297	1
* 299	298	4
*	309	1
* 303	291	8
	303	68
1	345	1
1	425	65
2	E851	56
304	304	2
* 306	307	1
* 313	318	1
* 314	318	1
* 315	319	3

Class. 1987	ICD8	Number of deaths
Total		1233
290	2900	1108
	2901	7
291	291	14
	303	8
295	295	8
296	296	5
297	297	1
298	299	4
303	303	68
304	304	2
	E980	1
307	306	1
309	299	1
318	313	1
	314	1
319	315	3

3. Transfer tables of the 1987 mortality records:

Table A

VI DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS
From the chapter total -8
1 change in classification structure -8

ICD8	Class. 1987	Number of deaths
Total		590
320	320	21
*	322	2
*	323	2
323	323	3
* 324	326	11
* 3301	3350	7
* 3303	3591	9
* 3309	359	7
* 331	333	4
* 332	334	1
* 3330	330	10
1 3331	0463	3
*	330	3
1 3339	0461	5
*	330	3
340	340	45
341	341	4
* 342	332	141
*	333	1
343	343	16
* 344	3330	3
*	3352	1
*	342	24
	344	5
345	345	52
* 3479	331	75
*	3339	4
*	3343	1
*	348	3
*	3498	1
* 348	335	104
* 349	336	2
* 354	3564	3
*	357	6
* 357	335	1
*	3562	1
*	357	3
*	358	1
* 381	382	1
383	383	1

Table B

Into the chapter total +215

Class. 1987	ICD8	Number of deaths
Total		797
320	320	21
322	320	2
323	320	2
	323	3
326	324	11
330	3330	10
	3331	3
	3339	3
331	2901	203
	3479	75
332	342	141
333	331	4
	342	1
3330	344	3
3339	3479	4
334	332	1
3343	3479	1
335	348	104
	357	1
3350	3301	7
3352	344	1
336	349	2
340	340	45
341	341	4
342	344	24
343	343	16
344	344	5
345	303	1
345	345	52
348	3479	3
	781	6
3498	3479	1
3534	7289	2
3562	357	1
3564	354	3
357	354	6
	357	3
358	357	1
3580	7330	2
359	3309	7
	7339	1
3591	3303	9
382	381	1
383	383	1

VII DISEASES OF THE CIRCULATORY SYSTEM

From the chapter total -166
1 change in classification structure -166

ICD8	Class. 1987	Number of deaths
Total		24796
391	391	2
393	393	1
3940	394	63
3950	395	53
3960	396	19
397	397	1
398	398	4
401	401	11
* 402	401	1
	402	375
x	427	12
x	428	9
x	429	3
403	403	13
404	404	47
410	410	10179
1 412	E870	2
*	412	948
	414	3007
413	413	52
420	420	5
421	421	19
422	422	20
423	423	6
424	424	340
425	425	183
* 426	416	8
1	737	1
* 4270	428	831
* 4271	428	22
* 4272	426	15
	427	12
* 4279	426	2
	427	2

Into the chapter total +68

Class. 1987	ICD8	Number of deaths
Total		24698
391	391	2
393	393	1
394	3940	63
395	3950	53
396	3960	19
397	397	1
398	398	4
401	401	11
402	402	1
402	402	375
403	403	13
404	404	47
410	410	10179
412	412	948
413	413	52
414	412	3007
415	450	303
416	426	8
420	420	5
421	421	19
422	422	20
423	423	6
424	424	340
425	303	65
	425	183
4253	7467	2
426	4272	15
	4279	2
427	402	12
	4272	12
	4279	427
428	402	9
	4270	831
	4271	22

3. Transfer tables of the 1987 mortality records:

Table A			Table B		
ICD8	Class. 1987	Number of deaths	Class. 1987	ICD8	Number of deaths
* 428	429	237	429	402	3
429	429	83		428	237
430	430	539		429	83
* 431	438	12	430	430	539
* 431	431	771	431	431	771
* 432	432	22	432	431	22
* 432	438	30	433	432	153
* 432	433	153	434	433	2876
* 433	438	1		434	123
* 433	434	2876	436	436	374
* 434	438	313		437	18
* 434	434	123		438	4
* 436	438	14	437	437	664
* 436	436	374		438	11
* 437	438	3	4373	442	2
* 437	436	18	438	430	12
* 438	437	664		431	30
* 438	438	10		432	1
* 438	436	4		433	313
* 438	437	11		434	14
	438	55		436	3
440	440	415		437	10
1 441	557	2		438	55
x 442	441	417	440	009	1
	4373	2		440	415
	442	4	4402	4450	205
444	444	92	441	441	417
1 4442	557	159	442	442	4
* 4450	4402	205	444	444	92
446	446	13	446	446	13
447	447	4	447	447	4
448	448	2	448	448	2
* 450	415	303	451	451	6
1 451	E932	1		453	133
* 451	451	6	453	453	15
* 453	451	133	454	454	8
	453	15	456	456	7
1	E870	1	459	4589	1
454	454	8			
456	456	7			
* 4589	459	1			

VIII DISEASES OF THE RESPIRATORY SYSTEM

From the chapter total

1 change in classification structure

-7
-7

Into the chapter total

+2

ICD8	Class. 1987	Number of deaths	Class. 1987	ICD8	Number of deaths
Total		3179	Total		3174
464	464	2	464	464	2
465	465	10	465	465	10
466	466	32	466	466	32
* 470	487	12	480	480	21
* 471	487	33	481	481	61
* 472	487	10	482	482	32
480	480	21	483	483	3
481	481	61	485	481	20
* 482	485	20		485	149
1 482	482	32		486	1608
	770	1	487	470	12
483	483	3		471	33
x 484	516	5		472	10
1	770	1	490	490	16
485	485	149	491	491	762
x 486	507	2	492	492	76
* 486	485	1608	493	490	4
x	507	25		491	13
1	770	5		492	2
490	490	16		493	144
	493	4	494	518	16
491	491	762	495	5161	3
* 492	493	13	501	5152	4
* 492	492	76	502	5150	6
* 493	493	2	507	485	2
493	493	144		486	25
510	510	10		5192	1
511	511	9	510	510	10
512	512	1	511	511	9
513	513	9	512	512	1
* 5150	502	6	513	513	9
* 5152	501	4	515	117	1
* 5161	495	3		517	45
* 517	515	45	516	484	5
* 518	5163	16	5161	279	1
* 518	5168	3	5163	517	16
* 518	494	16	5168	517	3
* 5190	518	1	518	5190	1
* 5192	507	1		5192	4
* 5199	518	4	519	5199	2
	519	2			

3. Transfer tables of the 1987 mortality records:

Table A

IX DISEASES OF THE DIGESTIVE SYSTEM
From the chapter total
1 change in classification structure

ICD8	Class. 1987	Number of deaths
Total		1416
527	527	2
530	530	20
531	531	160
1 532	E947	1
534	532	96
x 535	534	1
x 535	531	6
	532	1
	535	8
536	536	2
537	537	1
540	540	19
550	550	3
* 551	530	1
* 551	553	2
* 552	550	16
* 553	551	11
* 553	552	11
x 560	557	1
x 561	560	145
* 561	557	2
* 561	558	9
1 562	777	1
* 562	562	61
* 5630	555	5
* 5631	556	10
* 5639	558	1
564	564	3
566	566	1
567	567	12
568	568	1
* 569	5564	2
x 569	557	6
* 569	5647	1
	569	20
	578	32
1 570	777	1
1 570	E935	1
5710	570	10
	5710	20
	5711	9
	5712	289
	5713	7
5719	5714	9
	5715	61
	5716	31
	5719	7
572	572	4
573	573	6
574	574	133
575	575	26
x 576	576	4
* 576	575	1
	576	7
577	577	116

-4
-4

Table B

Into the chapter total

+175

Class. 1987	ICD8	Number of deaths 1987
Total		1587
527	527	2
530	530	20
	551	1
531	531	160
	535	6
532	532	96
	535	1
534	534	1
535	535	8
536	536	2
537	537	1
540	112	1
	540	19
550	550	3
	552	16
551	553	11
552	553	11
553	551	2
555	5630	5
556	5631	10
5564	569	2
557	440	2
	4442	159
	560	1
	561	2
	569	6
	561	9
558	5639	1
	560	145
560	560	61
562	562	3
564	564	1
5647	569	1
566	566	1
567	567	12
568	568	1
569	569	20
570	570	10
571	112	1
5710	5710	20
5711	5710	9
5712	5710	289
5713	5710	7
5714	5719	9
5715	5719	61
5716	5719	31
5719	5719	7
572	572	4
573	573	6
574	574	133
575	575	26
	576	1
576	575	4
	576	7
577	577	116
578	569	32
	7845	3
	7857	4
5790	2690	3
5799	2691	2

X DISEASES OF THE GENITOURINARY SYSTEM
From the chapter total
1 change in classification structure

ICD8	Class. 1987	Number of deaths
Total		572
580	580	8
* 581	584	11
582	581	5
* 582	582	47
	585	24
1 583	E935	4
1 583	583	9
* 584	E935	1
590	587	4
591	590	290
592	591	8
	592	5
* 5931	594	1
x 5932	584	2
x 5932	585	27
	593	1
595	595	16
* 596	596	1
	599	19

-5
-5

Into the chapter total

+1

Class. 1987	ICD8	Number of deaths
Total		568
580	580	8
581	581	5
582	582	47
583	583	9
584	580	11
	5931	2
585	582	24
	5932	27
	792	1
587	584	4
590	590	290
591	591	8
592	592	5
593	5932	1
594	592	1
595	595	16
596	596	1
598	598	1
599	596	19

3. Transfer tables of the 1987 mortality records:

Table A

ICD8	Class. 1987	Number of deaths
598	598	1
599	599	39
600	600	42
601	601	1
604	604	2
* 6220	615	3
* 6221	616	1

XI COMPLICATIONS OF PREGNANCY AND THE PUERPERIUM

From the chapter total 0

ICD8	Class. 1987	Number of deaths
Total		3
* 651	641	1
* 661	6486	1
671	671	1

XII DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE

From the chapter total -1
1 change in classification structure -1

ICD8	Class. 1987	Number of deaths
Total		23
680	680	5
682	682	4
684	684	1
686	686	3
694	694	3
1 695	202	1
	695	2
707	707	4

XIII DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE

From the chapter total -5
1 change in classification structure -5

ICD8	Class. 1987	Number of deaths
Total		258
* 710	711	7
* 712	714	176
* 7124	720	2
* 7130	715	15
* 7131	720	1
* 7132	721	2
* 7132	720	1
* 716	710	2
* 717	725	2
* 720	7260	1
* 720	730	6
* 721	731	1
* 7230	7330	7
* 725	722	1
* 728	723	2
1 7289	3534	2
* 732	728	1
* 729	729	1
1 7330	3580	2
* 7331	728	1
1 7339	359	1
* 728	728	1
* 734	710	22
* 735	737	1

Table B

Class. 1987	ICD8	Number of deaths
	599	39
600	600	42
601	601	1
604	604	2
615	6220	3
616	6221	1

Into the chapter total 0

Class. 1987	ICD8	Number of deaths
Total		3
641	651	1
648	661	1
671	671	1

Into the chapter total 0

Class. 1987	ICD8	Number of deaths
Total		22
680	680	5
682	682	4
684	684	1
686	686	3
694	694	3
695	695	2
707	707	4

Into the chapter total +2

Class. 1987	ICD8	Number of deaths
Total		255
710	716	2
	734	22
711	710	7
714	035	1
	712	176
715	7130	15
720	7124	2
	7131	1
	7132	1
721	7131	2
722	725	1
723	728	2
725	717	2
7260	717	1
728	732	1
	7331	1
	7339	1
729	732	1
730	720	6
731	721	1
7330	7230	7
737	426	1
	735	1

3. Transfer tables of the 1987 mortality records:

Table A

XIV CONGENITAL ANOMALIES
From the chapter total
1 change in classification structure

ICD8	Class. 1987	Number of deaths
Total		259
740	740	3
741	741	2
742	742	7
* 743	742	15
1 7434	2377	1
* 746	745	57
7466	746	33
1 7467	4253	2
	746	2
7468	746	8
7469	746	2
747	747	15
748	748	8
750	750	2
* 751	7506	1
	751	12
753	753	29
755	755	3
* 756	754	1
	756	10
757	757	1
759	759	24
* 7593	758	6
* 7594	758	14
* 7595	758	1

XV CERTAIN CONDITIONS ORIGINATING IN THE PERINAL PERIOD
From the chapter total
0

ICD8	Class. 1987	Number of deaths
Total		147
* 761	760	8
* 762	760	9
* 7631	760	2
* 7639	762	4
* 765	763	1
* 769	761	14
* 770	762	10
* 771	762	1
* 776	770	11
* 7761	763	1
	769	49
* 7763	768	2
* 7769	768	6
* 777	765	11
* 7780	762	1
* 7782	760	1
	770	2
	772	11
	776	1
7789	778	1
779	779	1

XVI SYMPTOMS, SIGNS AND ILL-DEFINED CONDITIONS
From the chapter total
1 change in classification structure

ICD8	Class. 1987	Number of deaths
Total		247
780	780	1
1 781	348	6
* 7830	784	1
1	E879	1
* 7840	783	1
1 7845	578	3
1 7857	578	4
1 7880	276	3
1 792	585	1
* 794	797	87
* 795	798	61
* 7962	798	57
* 7969	799	21

Table B

Into the chapter total +2

Class. 1987	ICD8	Number of deaths
Total		258
740	740	3
741	741	2
742	742	7
	743	15
745	746	57
746	7466	33
	7467	2
	7468	8
	7469	2
747	747	15
748	748	8
750	750	2
7506	751	1
751	751	12
753	753	29
754	756	1
755	755	3
756	112	1
	756	10
757	757	1
758	7593	6
	7594	14
	7595	1
759	112	1
	759	24

Into the chapter total +20

Class. 1987	ICD8	Number of deaths
Total		167
760	761	8
	762	9
	7631	2
	7782	1
761	769	14
762	7639	4
	770	10
	771	1
	7780	1
763	765	1
	7761	1
765	777	11
768	112	1
	7763	2
	7769	6
769	7761	49
770	482	1
	484	1
	486	5
	776	11
	7782	2
771	027	1
	038	9
772	7782	11
776	7782	1
777	561	1
	569	1
778	7789	1
779	779	1

Into the chapter total 0

Class. 1987	ICD8	Number of deaths
Total		229
780	780	1
783	7840	1
784	7830	1
797	794	87
798	795	61
	7962	57
799	7969	21

3. Transfer tables of the 1987 mortality records:

Table A

XVII ACCIDENTS AND VIOLENCE

From the chapter total
 1 change in classification structure
 2 change in rule for underlying cause of death

-1
 0
 -1

ICD8	Class. 1987	Number of deaths
Total		4171
E8012	E800F	1
E8013	E800E	1
E8041	E800B	3
E8050	E800A	2
E8052	E800F	6
E8053	E800E	1
E8058	E800X	2
E8100	E801A	11
E8101	E801B	3
E8102	E801C	1
	E801D	4
E8120	E801A	104
E8121	E801B	85
E8122	E801C	12
	E801D	18
E8123	E801C	1
	E801D	1
E8136	E801E	73
E8146	E801E	1
E8147	E801F	117
E8150	E801A	3
E8151	E801B	4
E8152	E801C	3
E8160	E801A	52
E8161	E801B	29
E8162	E801C	5
	E801D	2
E8163	E801C	2
E8169	E801X	2
E8171	E801B	1
E8180	E801A	1
E8181	E801B	1
E8190	E801A	1
E8191	E801B	3
E8198	E801X	2
E8199	E801X	3
E8200	E802A	2
E8207	E802F	4
E8230	E802A	13
	E830	5
E8231	E802B	3
E8238	E830	1
E8239	E830	1
E8250	E803F	2
E8252	E803B	1
E8261	E803E	16
E8278	E804X	1
E830	E810	43
E831	E819	4
E832	E810	52
E838	E819	1
E841	E820	1
E842	E821	3
	E829	1
E844	E829	1
E852	E847	2
E8530	E841	1
	E848	1
E8539	E841	3
	E849	5
E854	E843	5
	E848	2
	E849	8
E8550	E849	1
E8551	E844	2
	E849	57
E8552	E844	1
	E849	3
E8559	E849	2
E8560	E849	1
E857	E846	5
E859	E847	1
	E849	1
E860	E851	317
E864	E852	11
E871	E853	12
E873	E853	4
E874	E853	22
E875	E853	1
E876	E853	3
E880	E880	80
E881	E882	4
E882	E882	6
E883	E882	1
E884	E881	54
	E882	14
E885	E883	425

Table B

Into the chapter total

+68

Class. 1987	ICD8	Number of deaths
Total		4238
E800A	E8050	2
E800B	E8041	3
E800E	E8013	1
	E8053	1
E800F	E8012	1
	E8052	6
E800X	E8058	2
E801A	E8100	11
	E8120	104
	E8150	3
	E8160	52
	E8180	1
	E8190	1
E801B	E8101	3
	E8121	85
	E8151	4
	E8161	29
	E8171	1
	E8181	1
	E8191	3
E801C	E8102	1
	E8122	12
	E8123	1
	E8152	3
	E8162	5
	E8163	2
E801D	E8102	4
	E8122	18
	E8123	1
	E8162	2
E801X	E8169	2
	E8198	2
	E8199	3
E802A	E8200	2
	E8230	13
E802B	E8231	3
E802F	E8207	4
E803B	E8252	1
E803E	E8261	16
E803F	E8250	2
E804X	E8278	1
E810	E830	43
	E832	52
E819	E831	4
	E838	1
E820	E841	1
E821	E842	3
E829	E842	1
	E844	1
E830	E8230	5
	E8238	1
	E8239	1
	E927	6
E841	E8530	1
	E8539	3
E843	E854	5
E844	E8551	2
	E8552	1
E846	E857	5
E847	E852	2
	E859	1
E848	E8530	1
	E854	2
E849	E8539	5
	E854	8
	E8550	1
	E8551	57
	E8552	3
	E8559	2
	E8560	1
	E859	1
E851	303	56
	E860	317
E852	E864	11
E853	E871	12
	E873	4
	E874	22
	E875	1
	E876	3
E860	E930	14
	E932	5
E862	E930	3
E869	E930	2
	E931	1
E870	410	2
	453	1
E879	783	1

3. Transfer tables of the 1987 mortality records:

Table A			Table B		
ICD8	Class. 1987	Number of deaths	Class. 1987	ICD8	Number of deaths
E886	E920X	1	E880	E880	80
E887	E889	159	E881	E884	54
	E929D	8	E882	E881	4
E890	E890	83		E882	6
	E891	2		E883	1
E891	E891	1		E884	14
E892	E891	3	E883	E885	425
E893	E892	4	E889	E887	159
E898	E892	5	E890	E890	83
	E899	1	E891	E890	2
E900	E900	30		E891	1
E901	E901	57		E892	3
E906	E905	1	E892	E893	4
E910	E910	124		E898	5
E911	E911A	75	E899	E898	1
E912	E911X	3	E900	E900	30
E913	E912	6	E901	E901	57
E915	E914	3	E905	E906	1
E916	E920A	14	E910	E910	124
E917	E920X	2	E911A	E911	75
E918	E921	10	E911X	E912	3
E920	E923	2	E912	E913	6
E921	E924	1	E914	E915	3
E922	E925	6	E920A	E916	14
E923	E924	2	E920X	E886	1
E924	E927	4		E917	2
E925	E926	4	E921	E918	10
E927	E830	6	E922	E927	1
	E922	1		E928	10
E928	E922	10	E923	E920	2
E929	E929D	7	E924	E921	1
E930	E860	14		E923	2
	E862	3	E925	E922	6
	E869	2	E926	E925	4
E931	E869	1	E927	E924	4
E932	E860	5	E929D	E887	8
E940	E929E	14		E929	7
	E929F	1	E929E	E940	14
E941	E929F	2	E929F	E940	1
E942	E929G	1		E941	2
E943	E929H	28	E929G	E942	1
E945	E929I	1	E929H	E943	28
E946	E929I	11	E929I	E945	1
E950	E950	260		E946	11
E951	E951	3	E932	450	1
E952	E952	121	E935	569	1
E953	E953	440		582	4
E954	E954	93		583	1
E955	E955	299	E947	531	1
E956	E956	27	E950	E950	260
E957	E957	33	E951	E951	3
E958	E959A	52	E952	E952	121
	E959B	4	E953	E953	440
	E959C	30	E954	E954	93
E959	E959X	4	E955	E955	299
E960	E960	15	E956	E956	27
E962	E961	1	E957	E957	33
E963	E962	15	E959A	E958	52
E965	E964	32	E959B	E958	4
E966	E965	51	E959C	E958	30
E968	E966	10	E959X	E959	4
	E969	9	E960	E960	15
E975	E980	1	E961	E962	1
2 E980	304	1	E962	E963	15
	E970	58	E964	E965	32
E982	E971	9	E965	E966	51
E983	E972	6	E966	E968	10
E984	E973	26	E969	E968	9
E985	E974	6	E970	E980	58
E986	E975	1	E971	E982	9
E987	E976	7	E972	E983	6
E988	E979	63	E973	E984	26
E989	E979	2	E974	E985	6
E999	E990	3	E975	E986	1
			E976	E987	7
			E979	E988	63
				E989	2
			E980	E975	1
			E990	E990	3

5 Conversion of cause-of-death data from ICD8 into the Finnish Classification of Diseases 1987

In order to convert ICD8 data from 1971–1986 into categories according to the Finnish Classification of Diseases 1987, a conversion key was compiled on the basis of the transfer tables. The key was compiled by selecting the category in the new classification that best corresponds to the category in the old classification. The selection criteria were:

- category corresponding to the majority of cases in an ICD8 category and if one does not exist
- "probable" category in accordance with WHO key or
- closest 3-digit category or closest main chapter or

- if a suitable 3-digit category did not exist a new, nominal 3-digit category was compiled into which several actual 3-digit categories were gathered.

The conversion key was tested on the 1987 data and the results are presented in Table 4. Also the conversion error is presented together with each group. The conversion error has been obtained from Table 3, describing transfers. Since not all cases belonging to the 1971–1986 mortality records occur in the 1987 data the complete conversion key of all ICD8 categories is presented in appendix 1.

5.1 Suitability of the conversion key in the main chapters of the Finnish Classification of Diseases

I Infectious and Parasitic Diseases: The conversion key cannot take into account the change in the rule for determining the underlying cause of death concerning infectious and parasitic diseases which no longer have to be selected as the underlying cause when the doctor has reported them as the direct cause. Due to this, the conversion caused an increase of 11 extra cases in the chapter in the 1987 data which are now superfluous in the other chapters.

Within the chapter, the conversion was not able to compile the category 139 "late effects of other infectious and parasitic diseases" which previously did not exist.

Due to the conversion, the category for AIDS and HIV infection gains extra cases from the Finnish Classification categories 273 (1) and 2759 (1). This conversion is only valid from 1984 onwards. Before that, cases belonging to the ICD8 category 2759 were classified in category 273.

Categories 046 and 139 could not be compiled at all.

II Neoplasms: This chapter could be compiled fairly "correctly" with the conversion key as could most 3-digit categories. The 3-digit categories, 200 and 202, "Non-Hodgkin's lymphoma and other malignant neoplasms of lymphatic tissue" have been **combined**.

V Mental Disorders: The most serious conversion error in this chapter concerns alcoholism (303) from which it is impossible to separate cases belonging to other chapters. Two thirds of cases in category 198 still belong incorrectly to the category after conversion.

VI Diseases of the Nervous System and Sense Organs: As a whole this chapter can be compiled almost perfectly but within the chapter the following categories had to be **combined**: 320–323 meningitis, encephalitis, myelitis and encephalomyelitis, 342 and 344 hemiplegia and other paralytic syndromes and 330–337 hereditary and degenerative diseases of the central nervous system.

The following categories could not be compiled at all: 349, 356 and 359.

VII Diseases of the Circulatory System: After conversion, this chapter did not include alcoholic cardiomyopathy (4255) which could not be separated from alcoholism (303). Within the chapter, the following categories had to be combined: 411–414 "other ischaemic heart diseases", 430–438 "cerebrovascular diseases" and 451 and 453 "embolism and thrombosis of veins other than the portal vein".

After conversion, category 402 "hypertensive heart diseases" gains six per cent more cases, which, in turn, are missing from categories 427 "cardiac dysrhythmia" and 428 "cardiac insufficiency".

VIII Diseases of the Respiratory System: A change in the rule for determining the underlying cause of death concerning the classification of asthma cannot be taken into account in the conversion. Thus, category 493 describing asthma lacks 12% of the cases which, in turn, are superfluous in the categories for bronchitis (490–492).

Pneumonias, cat. 480–485 and other diseases of the respiratory system 515–519 had to be combined into one 3-digit category. Furthermore, pneumonias incorrectly include a good one per cent of the cases actually belonging to category 507 "pneumonitis due to solids and liquids" which cannot be compiled at all in the conversion. On the other hand, interstitial pneumonia (ICD8 cat. 484) included in pneumonias is excluded from the category and now included in other diseases of the respiratory system. Some cases belonging to infectious diseases are missing from the chapter.

IX Diseases of the Digestive System: The greatest conversion errors are in categories 535 "gastritis and duodenitis" (+47%) and 578 "unspecified gastrointestinal haemorrhage" (+48%). Category 569 could not be compiled at all. Categories (550–553) describing hernia of abdominal cavity had to be combined.

X Diseases of the Genitourinary System: Categories 580–593 of diseases of kidney and ureter had to be combined and category 596 "other diseases of bladder" could not be compiled at all.

XI Complications of Pregnancy, Childbirth and Puerperium: Only the whole chapter was compiled in the conversion.

XIII Diseases of the Musculoskeletal System and Connective Tissue: Most three-digit categories in this main chapter are rare causes of death and categories could not be compiled accurately in the conversion.

XV Certain Conditions originating in the Perinatal Period: The three-digit categories belonging to this main chapter could not be compiled accurately.

XVII Accidents and Violence: In general, the 3-digit categories could be compiled accurately.

Exceptions are:

- E851 "accidental poisoning by alcohol" which loses 15 % of cases after the conversion,
- E929D "other unspecified accidents" (-53 %)
- E870–E879 "adverse effects of medical care" and E930–E949 "adverse effects of drugs and medicaments" could not be compiled. The following categories of the chapter had to be combined: E841–E849 "accidental poisonings by medicinal agents", E860–E869 "misadventures during surgical or medical care", E881–E882 "fall", E968–E969 "homicide or assault by other or unspecified means". Furthermore, motorcyclists, mopedists and passengers from categories E801–802 were combined.

4. Conversion table. Number of deaths in 1987 according to the Finnish Classification of Diseases 1987 converted on the basis of ICD8 and conversion error

Converted underlying cause of death (Classification of diseases 1987)	ICD8 code	Number of death	Conversion error	
			Num ber	Correct position in Class. 1987
KUOLLEITA YHTEENSÄ - TOTAL DEATHS		47983		
TAUTEIHIN KUOLLEITA - ALL DISEASES		43817		
I TARTUNTA- JA LOISTAUDIT - MORBI INFECTIOSI ET PARASITARI		388		
002 Lavantauti ja pikkulavantauti - Febris typhoides et paratyphoides	001 002	1 1	+1	1<--139
003 Muut salmonellataudit - Salmonellosis alia	003	5		
008 Muun tietyn elion aiheuttama suolistotulehdus - Enteritis per organismum aliud specificatum	008	10		
009 Muut suolistoinfektiot - Infectio intestinalis alia	009	16	+1	1<--440
010 Primaarituberkuloosi - Tuberculosis primaria	0120	1		
011 Keuhkotuberkuloosi - Tuberculosis pulmonum	010 011	2 84	+3	3<--018
012 Muiden hengityselinten tuberkuloosi - Tuberculosis alia organorum respirationis	012	7		
013 Aivokalvo- ja keskushermostotuberkuloosi - Tuberculosis meningum et systematis nervorum centralis	013	6	+2	2<--018
016 Virtsa- ja sukuelinten tuberkuloosi - Tuberculosis systematis urogenitalis	016	3		
018 Yleistuberkuloosi - Tuberculosis disseminata (miliaris)	018	16	-5	3-->011,2-->013
027 Muut elainten tartuttamat taudit - Zoonoses aliae	027	6		
031 Muut mykobakteeritaudit - Morbi mycobacterici alii	031	5		
035 Ruusu - Erysipelas	035	8	+1	1<--714
036 Meningokokki-infektio - Infectio meningococcica	036	2		
038 Verenmyrkytys - Septicaemia	038	87		
040 Muut bakteeritaudit - Bacterioses aliae	039	2		
046 Hitaat keskushermoston virusinfektiot - Infectio virosa lenta systematis nervorum centralis	..	-	-8	8-->333->337
049 Muut keskushermoston virustaudit - Viroses aliae systematis nervorum centralis	046 065	1 2		
052 Vesirokko - Varicella	052	2		
053 Vybruuusu - Herpes zoster	053	8		
054 Yskänrokkovirus - Herpes simplex	054	6	+2	2<--139
055 Tuhkarokko - Morbilli	055	1		
070 Virushepatiitti - Hepatitis virosa	070	3		
078 Muut virustaudit - Viroses aliae	079	2		
0788C HIV-infektio, AIDS	2759	7	+2	1<--273,1<--279
079 Virusinfektion aiheuttamat tilat, jotka on luokiteltu muualla - Infectio virosa alterius generis	0799	2		
093 Sydänverisuonikuppa - Syphilis cardiovascularis	093	2		
097 Muu tai tarkemmin määrittelemätön kuppa - Syphilis alia sive NUD	097	2	+1	1<--139
101 Vincentin angiina - Tonsillitis Vincenti	101	1		
112 Hiivavasieni-infektio - Candidiasis	112	7	+6	1<--204,1<--540,1<--571 1<--756,1<--759,1<--768
117 Muut sienitaudit - Mycoses aliae	117	7	+3	1<--204,1<--205,1<--519
135 Sarkoidoosi - Sarcoidosis	135	5		
136 Muut tartunta- ja loistaudit - Morbi infectiosi et parasitarii alii	136	4		
137 Tuberkuloosin jälkitila - Sequelae tuberculosis	019	61		
138 Pöllön jälkitila - Sequelae poliomyelitidis	044	3		
139 Muiden infektio- ja loistautien jälkitilat - Sequelae morbi infectiosi et parasitarii alii	..	-	-4	1-->002,2-->054,1-->097
II KASVAIMET - NEOPLASMATA		9735		
140 Huulisyöpä - Neoplasma malignum labii	140	7		
141 Kielisyöpä - Neoplasma malignum linguae	141	22	+1	1<--146
142 Sykirauhaseen ja -tiehyen syöpä - Neoplasma malignum glandulae et ductus salivaris	142	9		
143 Ikenen syöpä - Neoplasma malignum gingivae	143	4		
144 Suunpohjan syöpä - Neoplasma malignum baseos oris	144	4		
145 Muu tai tarkemmin määrittelemätön suusyöpä - Neoplasma malignum partium alierum oris sive NUD	145	10		
146 Suunielun syöpä - Neoplasma malignum oropharyngis	146	15	-1	1-->141
147 Nenänielun syöpä - Neoplasma malignum nasopharyngis	147	11		
148 Alanielun syöpä - Neoplasma malignum hypopharyngis	148	16		
149 Huulten, suuontelon ja nielun muu määritelty tai tarkemmin määrittelemätön syöpä - Neoplasma malignum aliud definitum et NUD labii, cavi oris et pharyngis	149	4		
150 Ruokatorven syöpä - Neoplasma malignum oesophagi	150	187		
151 Mahasyöpä - Neoplasma malignum ventriculi	151	920		
152 Ohutsuolen syöpä (sisältää pohjukaissuolen syöväen) - Neoplasma malignum intestini tenuis, duodeno inclusio	152	43		
153 Paksusuolen syöpä - Neoplasma malignum coli	153	516	+6	6<--159
154 Peräsuolen syöpä - Neoplasma malignum recti	154	375		
155 Maksasyöpä ja maksansisäisten sappiteiden syöpä - Neoplasma malignum hepatis et viarum biliferarum intrahepaticorum	155	229		

4. Conversion table. Number of deaths in 1987 according to the Finnish Classification of Diseases 1987 converted on the basis of ICD8 and conversion error

Converted underlying cause of death (Classification of diseases 1987)	ICD8 code	Number of death	Conversion error	
			Num ber	Correct position in Class. 1987
1552X Maksasyöpä, epäselvää onko primaari vai sekundaari Hepatis, non definitum primarium seu secundarium	1978	47		
156 Sappirakon ja maksan ulkopuolisten sappiteiden syöpä - Neoplasma malignum vesicae felleae et viarum biliferarum extrahepaticorum	156	258		
157 Haimasyöpä - Neoplasma malignum pancreatis	157	676		
158 Vatsakalvon ja sen takaisen kudoksen syöpä - Neoplasma malignum spatii retroperitonealis et peritonei	158	26	-1	1-->171
159 Ruoansulatuselinten muu tai tarkemmin määrittelemätön syöpä sekä pernan syöpä - Neoplasma malignum organorum digestionis aliud seu NUD et lienis	159	57	-6	6-->153
160 Nenäsyöpä, nenäonteloiden, välikorvan ja nenän sivuonteloi- den syöpä - Neoplasma malignum nasi, cavitatum nasi, auris mediae et sinuum accessiorum	160	12		
161 Kurkunpään syöpä - Neoplasma malignum laryngis	161	48		
162 Henkitorven syöpä, keuhkoputkien syöpä ja keuhkosyöpä - Neoplasma malignum tracheae, bronchi et pulmonis	162	1970		
163 Keuhkopussin syöpä - Neoplasma malignum pleurae	1630	55		
164 Kateenkorvan ja välikarsinan syöpä, sydänsyöpä - Neoplasma malignum thymi, cordis et mediastini	1631	13	-2	2-->171
170 Luusyöpä ja nivelruston syöpä - Neoplasma malignum ossis et cartilaginum articularum	170	25		
171 Sidekudoksen ja muun pehmeän kudoksen syöpä - Neoplasma malignum telae conjunctivae et telae mollis alterius	171 1924	61 2	+2 +1	2<--164 1<--158
172 Ihon pahanlaatuisen melanooma - Melanoma malignum cutis	172	120		
173 Muu ihosyöpä - Neoplasma malignum cutis aliud	173	26		
174 Naisen rintasyöpä - Neoplasma malignum mammae mulieris	174	729		
175 Miehen rintasyöpä - Neoplasma malignum mammae virilis	175	2		
179 Kohtusyöpä, paikka tarkemmin määrittelemätön - Neoplasma malignum uteri, loco non definito	1829	14		
180 Kohdunkaulan syöpä - Neoplasma malignum cervicis uteri	180	80		
182 Kohdunrunгон syöpä - Neoplasma malignum corporis uteri	1820	126		
183 Munasarjan ja kohdun sivuelinten syöpä - Neoplasma malignum ovarii et adnexae	183	301		
184 Muualla sijaitseva tai tarkemmin määrittelemätön naisen sukupuolinten syöpä - Neoplasma malignum genitalium mulieris loco alio sive NUD	184	49		
185 Eturauhasen syöpä - Neoplasma malignum prostatatae	185	539		
186 Kivessyöpä - Neoplasma malignum testis	186	10		
187 Siitinsyöpä ja miehen muiden sukupuolinten syöpä - Neoplasma malignum penis seu genitalium viri loco alio	187	4		
188 Virtsarakon syöpä - Neoplasma malignum vesicae urinariae	188	183		
189 Munuaissyöpä ja muu tai tarkemmin määrittelemätön virtsa- elinten syöpä - Neoplasma malignum renis et organorum urinariorum aliorum et NUD	189	289		
190 Silmäsyöpä - Neoplasma malignum oculi	190	23		
191 Aivosyöpä - Neoplasma malignum cerebri	191	226	+1	1<--237
192 Muualla sijaitseva hermoston pahanlaatuisen kasvain - Neoplasma malignum systematis nervorum loco alio	192	16		
193 Kilpirauhasen syöpä - Neoplasma malignum thyreoideae	193	51		
194 Muiden umpirauhasien ja niihin verrattavien elinten syöpä - Neoplasma malignum glandularum endocrinarum aliarum et organorum similibus	1925 194	1 17		
195 Pahanlaatuisen kasvain, jonka lähtökohta on tarkemmin määrittelemätön - Neoplasma malignum loco male definito	195	85		
199 Pahanlaatuisen kasvain, jonka lähtökohta on tuntematon - Neoplasma malignum loco primario non indicato	197 198 199	2 1 180		
201 Hodgkinin tauti - Morbus Hodgkin	201	49		
202 Non-Hodgkin lymfoomat, muut imukudoksen syövät - Lymphoma malignum (non-Hodgkin), neoplasmatia alia telae lymphaticae (200,202) 1)	200 202	90 210	-1	1-->695
203 Multippeli myelooma ja pahanlaatuisen immunoproliferatiiv- vainen sairaus - Myeloma multiplex et neoplasma systematis immunoproliferativi	203	212		
204 Lymfaattinen leukemia - Leuchaemia lymphatica	204	119	-2	1-->112,1-->117
205 Myeloinen leukemia - Leuchaemia myeloides	205	147	-1	1-->117
206 Monosyyttileukemia - Leuchaemia monocytica	206	6		
207 Muu leukemia - Leuchaemia alia	2072	1	0	1<--203,1-->208
208 Tarkemmin luokittelematon leukemia - Leuchaemia non classificata	207	14	+1	1<--207
211 Ruoansulatuselinten muiden osien hyvänlaatuinen kasvain - Neoplasma benignum partium aliarum organorum digestionis	211	3		
212 Hengityselinten ja rintaontelon elinten hyvänlaatuinen kasvain - Neoplasma benignum systematis respirationis et organorum intrathoracalium	212	1		
213 Luun ja nivelruston hyvänlaatuinen kasvain - Neoplasma benignum ossium et cartilaginum articularum	213	1		
214 Rasvakasvain - Lipoma	214	1		
215 Sidekudoksen ja muun pehmeän kudoksen hyvänlaatuinen kasvain Neoplasma benignum telae conjunctivae et mollis alterius	215	1		

1) Category consists of several 3-digit categories

4. Conversion table. Number of deaths in 1987 according to the Finnish Classification of Diseases 1987 converted on the basis of ICD8 and conversion error

Converted underlying cause of death (Classification of diseases 1987)	ICD8 code	Number of death	Conversion error	
			Num ber	Correct position in Class. 1987
225 Aivojen ja hermoston muiden osien hyvänlaatuinen kasvain - Neoplasma benignum cerebri et partium aliarum systematis nervorum	225	33	+1	1<--228
227 Muiden umpirauhasten ja niihin verrattavien elinten hyvän- laatuinen kasvain - Neoplasma benignum glandularum endocrinarum aliarum	226 2520 253	8 1 4	+2	2<--2370
237 Muu määriteltä umpirauhasen ja hermoston kasvain - Neoplasma definitum aliud glandularum endocrinii et systematis nervorum	191 2268 226 2389 7434	- 1 - 1 1	-1	1-->191 -2 2-->227
238 Luonnolliselta kulultaan epäselvät muiden ja määrittelemät- tömien alueiden kasvaimet - Neoplasma non definitum loco alii seu NUD	208 209	14 58	-1	1-->287
239 Tarkemmin määrittelemätön kasvain - Neoplasma typo non definito	230 231 234 235 236 237 238 239	21 16 1 1 3 3 9 9		
III UMPIERITYS- JA AINEENVAIHDUNTASAIRAUDET SEKÄ RAVITSEMUS- JA IMMUNIJÄRJESTELMÄN HÄIRIÖT - MORBI SYSTEMATIS ENDOC- RINI, NUTRITIONIS ET METABOLICI, DYSFUNCTIO IMMUNOSYSTE- MATIS				585
240 Yksinkertainen ja tarkemmin määrittelemätön struuma - Struma simplex et NUD	240	1		
241 Myrkytön kyhmystruuma - Struma nodosa atoxica	241	1		
242 Kilpirauhasmyrkytys, johon liittyy struuma tai johon ei liity struuma - Thyreotoxicosis cum sive sine struma	242	4		
244 Kilpirauhasen vajaatoiminta (hankittu) - Hypothyreosis	244	1		
250 Sokeritauti - Diabetes mellitus	250	514		
253 Aivoisäkkeen ja sen hypotalaamisen säätelyn sairaudet - Morbi hypophyseos et hypothalami	2531	2		
255 Lisämunuaisen taudit - Morbi glandulae suprarenalis	255	3		
261 Aliravitsemuksesta aiheutuva näivetytys - Marasmus e malnutritione	260	1		
265 Tiamiinin puute - Deficientia thiamini	262 2639	1 3		
266 Muu B-vitamiinin puute - Hypovitaminosis B alia	2638	1		
268 D-vitamiinin puute - Hypovitaminosis D	265	1		
270 Aminohappojen kuljetuksen ja aineenvaihdunnan häiriöt - Morbi congeniti metabolici aminocidi	270	2		
272 Rasva-aineenvaihdunnan synnynäiset häiriöt - Morbi congeniti metabolici lipidici	272	6		
273 Plasmaproteiinien aineenvaihdintahäiriöt - Defectio metabolici proteini plasmatis	275	7	-1	1-->0788C
274 Kihti - Diathesis urica	274	1		
275 Mineraalien ja elektrolyyttien aineenvaihdintahäiriöt - Defectiones metabolicae mineralium et electrolyticae	2732	1		
276 Neste-, elektrolyytti- ja happoemästatapainon häiriöt - Morbi aequilibrii aquae et electrolysis	7800	3		
277 Muut ja tarkemmin määrittelemättömät aineenvaihdintahäiriöt Morbi metabolici alii seu NUD	273 276 279	6 19 2		
278 Lihavuus ja hyperalimentatio - Obesitas et hyperalimentatio	277	3	+1	1<-519<--516
279 Immunijärjestelmän sairaudet - Morbi immunosystematis	2751	2	-1	1-->0788C
IV VERTAMUODOSTAVIEN ELINTEN JA VEREN SAIRAUDET - MORBI SYSTEMATIS HAEMATOPOETICI ET SANGUINIS				51
280 Raudanpuuteanemia - Aneemia sideropenica	280	3		
281 Muut puutosanemiat - Anaemiae e deficientia alia	281	5		
283 Hankittu punasoluhajoanemia - Anaemia haemolytica acquisita	283	2		
284 Verenehdyntästäuti - Anaemia aplastica	284	10		
285 Muut ja tarkemmin määrittelemättömät anemiat - Anaemiae aliae definitae et non definitae	285	8		
286 Hyytymistäudit - Defectus coagulationis	286	7		
287 Punatäplätauti sekä muut tilat, joissa esiintyy verenvuoto- taipumusta - Purpura et alii status haemorrhagici	287	8	+1	1<--238
288 Valkosolujen taudit - Leucocytopathia	288 2899	4 2	+1	1<--289
289 Muut veren ja vertamuodostavien elinten taudit - Morbi systematis haematopoetici et sanguinis alii	289	2	-1	1-->288

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Converted underlying cause of death (Classification of diseases 1987)	ICD8 code	Number of death	Conversion error	
			Num ber	Correct position in Class. 1987
V MIELENTERVEYDEN HÄIRIÖT - PERTURBATIONES MENTIS		1347		
290 Seniili ja preseniili dementia - Dementia senilis et praesenilis	2900	1108	-7	7-->331->337
291 Alkoholin aiheuttamat elimelliset aivo-oireyhtymät - Syndromata psychoorganica ex usu alcoholica	291	14	-8	8-->303
295 Skitsofreeniset häiriöt - Schizophrenia	295	8		
296 Vakavat mielialahäiriöt - Perturbationes mentis affectivae graves	296	5		
297 Harhaluuloisuushäiriöt - Psychoses delusionales	297	1		
298 Muut psykoottiset häiriöt - Psychoses alia	299	5	+1	1<--309
303 Alkoholiriippuvuus - Alcoholismus	303	198	+130	8<--291, 1<--345, 65<--425, 56<--E851
304 Lääke- ja päihderiippuvuus - Addictio medicamentorum seu narcomania	304	2	-1	1-->E970
307 Muualla luokittelemattomat oireyhtymät - Syndromata psychogenica alia	306	1		
309 Sopautumishäiriöt - Perturbationes accomodationis psychogenis	..	-	-1	1-->298
318 Älyllinen kehitysvammaisuus - Retardatio mentalis	313	1		
	314	1		
319 Tarkemmin määrittelemätön älyllinen kehitysvammaisuus - Retardatio mentalis NUD	315	3		
VI HERMOSTON JA AISTIMIEN SAIRAUDET - MORBI SYSTEMATIS NERVORUM ET ORGANORUM SENSUUM		812		
323 Bakteeriperäinen tai tarkemmin määrittelemätön aivokalvontu- lehdus, aivotulehdus, selkäytimen tulehdus ja aivoselkäyti- men tulehdus - Meningitis bacterica seu NUD, encephalitis, myelitis et encephalomyelitis (320-323) 1)	320 323	25 3		
326 Kallon- ja selkäydinkanavansisäisten märkpesäkkeiden ja infektioiden myöhäisvaikutukset - Sequelae abscessus et infectionis pyogenicae intracranialis et intraspinalis	324	11		
337 Keskushermoston perinnölliset ja degeneratiiviset sairaudet - Morbi hederatii et degenerationis systematis nervorum centralis (330-337) 1)	2901 330 331 332 333 342 344 3479 348 349 340	210 23 4 1 24 142 - 84 104 2 45	+7 +16 +8 - +4	7<--290 16<--359 8<--046 3<--348, 1<--349
340 MS-tauti - Sclerosis multiplex (disseminata)	340	45		
341 Muut demyelinisoivat keskushermoston sairaudet - Alia morbi demyelinantes systematis nervorum centralis	341	4		
343 Lapsuusiän aivohalvaus (CP) - Paresis cerebri infansilis	343	16		
344 Toispuolinen halvaus, muut aivoperäiset halvausoireet - Hemiplegia, paralysis cerebri alia (342,344) 1)	344	33	+4	3<--337<--333, 1<--337<--335
345 Epilepsia	345	52	-1	1-->303
348 Muut aivojen sairaudet - Alia morbi cerebri	781	6	-3	3-->337
349 Muut ja tarkemmin määrittelemättömät hermoston sairaudet - Morbi systematis nervorum alia et non definiti	..	-	-1	1-->334->337
353 Hermojuurten ja -punoisten sairaudet - Morbi radicales et plexus nervorum	7289	4	+2	2<--723
356 Perinnöllinen ja idiopaattinen perifeerinen neuropatia - Polyneuropathia nervorum peripherocum hereditaria et idiopathica	..	-	-4	4-->357
357 Muut polyneuropatiat - Polyneuropathia alia	354 357	9 6	+3 +3	3<--356 1<--337<--335, 1<--356, 1<--358
358 Hermo-lihasliitoksen sairaudet - Morbi myoneuronales	7330	2	-1	1-->357
359 Lihasdystrofiat ja muut myopatiat - Dystrophia musculorum et myopathia alia	..	-	-17	16-->330->337, 1-->728
382 Välikorvan märkinen tulehdus - Otitis media suppurative	381	1		
383 Kartiolisäkkeen tulehdus - Mastoiditis	383	1		
VII VERENKIERTOELINTEN SAIRAUDET - MORBI ORGANORUM CIRCULATIONIS		24637		
391 Kuumereuma (aktiivi, äkillinen) johon liittyy sydäntauti - Febris rheumatica (activa, acuta) cum morbo cordis	391	2		
393 Krooninen reumaattinen sydänpussin tulehdus - Myopericarditis adhaesiva rheumatica chronica	393	1		
394 Hiippaläpän reumaattiset muutokset - Morbi valvulae mitralis rheumatici	3940	63		
395 Aorttaläpän muutokset - Morbi valvulae aortae	3950	53		
396 Hiippa- ja aorttaläppien reumaattiset muutokset - Morbi valvularum mitralis et aortae rheumatici	3960	19		
397 Sydämen sisäkalvon muut reumaattiset muutokset - Morbi rheumatici endocardii, alterius partis	397	1		
398 Muut sydämen reumaattiset muutokset - Alia morbi rheumatici cordis	398	4		
401 Essentiellinen verenpainetauti (ilman kohde-elinmuutoksia) - Hypertonia arterialis essentialis	401	11	-1	1-->402
402 Hypertensiivinen sydänsairaus - Morbus codis hypertonicus	402	400	+25	1<--401, 12<--427 9<--428, 3<--429

1) Category consists of several 3-digit categories

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Converted underlying cause of death (Classification of diseases 1987)	ICD8 code	Number of death	Conversion error	
			Num ber	Correct position in Class. 1987
403 Verenpainetaudin aiheuttama munuaissairaus - Morbus renalis hypertonicus	403	13		
404 Verenpainetaudin aiheuttama sydän- ja munuaissairaus - Morbus cordis et renalis hypertonicus	404	47		
410 Akuutti sydäninfarkti - Infarctus myocardii acutus	410	10181	+2	2<--E870
414 Muut iskeemiset sydänsairaudet - Morbi cordis ischaemici alii (411-414) 1)	412 413	3955 52		
415 Keuhkoveritulppa tai keuhkoinfarkti - Embolia seu infarctus pulmonum	450	304	+1	1<--E932
416 Krooninen keuhkoverenkierron sairaus - Morbus circulationis pulmonis chronicus	426	9	+1	1<--737
420 Akuutti sydänpussin tulehdus - Pericarditis acuta	420	5		
421 Akuutti ja subakuutti infektiivinen endokardiitti - Endocarditis infectiosa acuta et subacuta	421	19		
422 Akuutti sydänlihaksen tulehdus - Myocarditis acuta	422	20		
423 Muut sydänpussin sairaudet - Morbi pericardii alii	423	6		
424 Muut sydämen sisäkalvon sairaudet - Morbi endocardii alii	424	340		
425 Kardiomyopatia, sydänlihaskvattu - Cardiomyopathia	425	183	-67	65-->303, 2-->746
427 Sydämen johtumis- ja rytmihäiriöt - Dissociatio et dysrhythmias cordis (426-427) 1)	427	456	-12	12-->402
428 Sydämen vajaatoiminta - Insufficiencia cordis	4270 4271	831 22	-9	9-->402
429 Muut sydämen sairaudet ja komplikaatiot - Alia morbi et complicationes cordis	428 429	237 83	-3	3-->402
438 Aivoverenkiertosairaudet - Morbi cerebrovascularis (430-438) 1)	430 431 432 433 434 436 437 438	551 823 154 3189 137 377 692 70		
440 Valtimoiden kovettuminen - Arteriosclerosis	442 440 4450 441	- 417 205 417	-2 +1	2-->442 1-->009, 2<--557
441 Aortta-aneuryзма tai -dissekaatio - Aneurysma seu dissecatio aortae	442	6	+2	2<--4373
442 Muiden valtimoiden aneurysmat - Aneurysma arteriae alia	444	92		
444 Valtimoembolia tai -tromboosi - Embolia seu thrombosis arteriarum	444	13		
446 Arteriitit ja muut samansukuiset sairaudet - Arteritides et morbi similes	446	4		
447 Muut valtimoiden ja pikkuvaltimoiden taudit - Alia morbi arteriae et arteriolae	447	4		
448 Hiussuonten sairaudet - Morbi capillorum	448	2		
453 Laskimotulehdus, laskimon veritulppa, muu laskimon tukos - Phlebitis, alia embolia et thrombosis venarum (451,453) 1)	451 453	6 149	+1	<--E870
454 Alaraajojen suonikohjut - Varices venarum extremitatum inferiorum	454	8		
456 Muualla sijaitsevat suonikohjut - Varices venarum alio loco	456	7		
459 Muut verenkiertoelinten sairaudet - Alia morbi systematis circulationis	4589	1		
VIII HENGITYSELINTEN TAUDIT - MORBI ORGANORUM RESPIRATIONIS		3172		
464 Akuutit kurkunpään ja henkitorven tulehdukset - Laryngitis et tracheitis acuta	464	2		
465 Muut akuutit ylähengitysteiden infektiot - Infectio respiratoria superioris acuta alia	465	10		
466 Äkillinen keuhkoputken tulehdus - Bronchitis et bronchiolitis acuta	466	32		
485 Keuhkokuume - Pneumonia (480-485) 1)	480 481 482 483 485 486	21 81 32 3 151 1633	+2 +24	2<--507 24<--507
487 Influenssa - Influenza	470 471 472	12 33 10		
490 Tarkemmin määrittelemätön keuhkoputkentulehdus - Bronchitis NUD	490	20	+4	2<--493
491 Krooninen keuhkoputken tulehdus - Bronchitis chronica	491	775	+13	13<--493
492 Keuhkolaajentuma - Emphysema	492	78	+2	2<--493
493 Astma - Asthma bronchiale	493	144	-19	4-->490, 13-->491, 2-->492
494 Keuhkoputkien laajentumat - Bronchiectasiae	518	16		
495 Allerginen alveoliitti - Alveolitis allergica	5161	3		

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			Num ber	Correct position in Class. 1987
501 Asbestoosi - Asbestosis	5152	4		
502 Silikoosi - Silicosis	5150	6		
507 Kiinteiden aineiden tai nesteiden aiheuttama pneumoniitti - Pneumonitis e substantia liquida et solida	..	-	-26	26-->485
510 Empyeema - Empyema	510	10		
511 Keuhkopussin tulehdus - Pleuritis	511	9		
512 Itsesyntyinen ilmarinta - Pneumothorax spontaneus	512	1		
513 Keuhkopaise ja välikarsinan paise - Abscessus pulmonum et mediastini	513	9		
519 Muut hengityselinten taudit - Alii morbi organorum respirationis (515-519) 1)	484 517 519	5 64 8	-7	1-->117, 5-->485, 1-->277
IX RUOANSULATUSSELINTEN SAIRAUDET - MORBI ORGANORUM DIGESTIONIS		1586		
527 Sylkirauhasten sairaudet - Morbi glandularum salivarium	527	2		
530 Ruokatorven sairaudet - Morbi oesophagi	530	20	-1	1-->553
531 Mahahaava - Ulcus ventriculi	531	161	-5	6-->535, 1-->E947
532 Pohjukaissuolen haava - Ulcus duodeni	532	96	-1	1-->535
534 Maha-tyhjäsuoлиhaava - Ulcus gastrojejunale	534	1		
535 Mahakatarri ja pohjukaissuolen tulehdus - Gastritis et duodenitis	535	15	+7	6-->531, 1-->532
536 Mahalaukun toimintahäiriö - Vitium functionis ventriculi	536	2		
537 Muut mahalaukun ja pohjukaissuolen taudit - Alii morbi ventriculi et duodeni	537	1		
540 Akiliinen umpilisäkkeen tulehdus - Appendicitis acuta	540	19	-1	1-->112
553 Vatsatyrä - Hernia abdominalis (550-553) 1)	550 551 552 553	3 3 16 22	+1	1-->530
555 Crohnin tauti - Morbus Crohn	5630	5		
556 Haavainen paksusuolen tulehdus - Colitis ulcerosa	5631	10	-2	2-->569->578
557 Suoliston iskeeminen verenkiertohäiriö - Insufficiencia vascularis intestinalis	4442	159	-11	2-->440, 1-->560, 2-->558, 6-->569->578
558 Muut ei-infektiiviset suolistosairaudet - Gastroenteritis seu colitis alia noninfectiosa	561 5639	11 1	+2	2-->557
560 Suoliston kuroutuminen ilman tietoa tyrästä - Obstructio intestinalis, hernia non indicata	560	146	+1	1-->557
562 Suolen divertikuloosi ja divertikuliitti - Diverticulosis et diverticulitis intestinorum	562	61		
564 Suoliston toiminnalliset häiriöt - Vitia functionis intestinalis	564	3	-1	1-->569->578
566 Peräaukon ja -suolen märkäpesäke - Abscessus ani et anorectalis	566	1		
567 Vatsakalvontulehdus - Peritonitis	567	12		
568 Muut vatsakalvon sairaudet - Alii morbi peritonei	568	1		
569 Muut suoliston taudit - Alii morbi peritonei	..	-	-29	29-->578
570 Akuutti maksakuolio - Necrosis hepatis acuta	570	10		
5712 Krooniset alkoholiperäiset maksasairaudet - Morbi hepatis chronici alcoholici	5710	325		
5715 Muut krooniset maksasairaudet - Alii morbi hepatis chronici	5719	108	-1	1-->112
572 Maksa-abskessi ja muiden maksasairauksien seuraukset - Abscessus hepatis et sequelae aliae morbi hepatis	572	4		
573 Muut maksasairaudet - Alii morbi hepatis	573	6		
574 Sappikivitauti - Cholelithiasis	574	133		
575 Muut sappirakon sairaudet - Alii morbi vesicae fellae	575	30	+3	4-->576, 1-->576
576 Muut sappiteiden sairaudet - Alii morbi viarum biliarum	576	8	-3	1-->575, 4-->575
577 Halman sairaudet - Morbi pancreatis	577	116		
578 Tarkemmin määrittelemätön mahasuolikanavan verenvuoto - Haemorrhagia gastrointestinalis NUD	569	62	+30	2-->556, 6-->557, 1-->564, 20-->569, 1-->E935
	7845	3		
	7857	4		
579 Malabsorptio	269	5		
X VIRTSA- JA SUKUPUOLIELINTEN TAUDIT - MORBI ORGANORUM UROGENITALIUM		573		
593 Munuaisen ja virtsajohtimen sairaudet - Morbi renalis et ureteris (580-593) 1)	580 581 582 583 584 590 591 592 593 792	19 5 75 10 4 290 8 6 30 1	+4 +1	4-->E935 1-->E935

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594 Alempien virtsaateiden kivet - Calculi viarum urinarium inf.	..	-	-1	1-->593
595 Rakkotulehdus - Cystitis	595	16		
596 Muut virtsarakon sairaudet - Alii morbi vesicae urinarie	..	-	-1	1-->599
598 Virtsaputken ahtauma - Stricture urethrae	598	1		
599 Virtsaputken ja virtsaateiden muut sairaudet - Morbi alii urethrae et viarum urinarium	596 599	20 39	+1	1<--596
600 Eturauhasen liikakasvu - Hyperplasia prostatae	600	42		
601 Eturauhastulehdus - Prostatitis	601	1		
604 Kivestulehdus ja lisäkivestulehdus - Orchitis et epididymitis	604	2		
615 Kohdun runko-osan tulehdussairaudet - Morbi infectiosi corporis uteri	6220	3		
616 Kohdunkaulan, emättimen ja ulkosynnyttimien tulehdustaudit - Morbi infectiosi cervicis uteri, vaginae et vulvae	6221	1		
XI RASKAUDEN, SYNNYTYKSEN JA LAPSIVUOTEUDEN TAUDIT JA TILAT - COMPLICATIONES GRAVIDARUM, PARTURIENTIUM ET PUERPERARUM			3	
676 Raskauden, synnytyksen ja lapsivuoteuden taudit ja tilat - Complicationes gravidarum, parturientium et puerperarum (630-676) 1)	651 661 671	1 1 1		
XII IHON JA IHONALAISKUDOKSEN TAUDIT - MORBI CUTIS ET SUBCUTIS			23	
680 Paisa (ajos) - Carbunculus et furunculus	680	5		
682 Muut selluliitit ja lymfangiitit - Cellulitis et lymphangitis aliae	682	4		
684 Märkärupi - Impetigo contagiosa	684	1		
686 Muut ihon ja ihonalaiskudoksen paikalliset infektiot - Aliae infectiones locales cutis et subcutis	686	3		
694 Rakkulataudit - Dermatoses bullosae	694	3		
695 Ihopunoittumat - Casus erythematodes	695	3	+1	1<--202
707 Ihon krooniset haavaumat - Ulcus chronicum cutis	707	4		
XIII TUKI- JA LIIKUNTAELINTEN SAIRAUDET - MORBI SYSTEMATIS MUSCULOSCELETALIS ET TELAE CONJUNCTIVAE			252	
710 Sidekudoksen systeemisairaudet - Morbi telae conjunctivae diffusi	716 734	2 22		
711 Infektioon liittyvät arthropatiat - Arthropathia infectiosa	710	7		
714 Nivelreuma - Arthritis rheumatoides	712	176	-1	1-->035
715 Nivelrikot ja vastaavat tilat - Osteoarthritis et morbi similes	7130	15		
720 Selkärankareuma - Spondylitis ankylopoetica et aliae	7124 7132	2 1	-1	1-->721
721 Spondylartroosi ja vastaavat tautitilat - Spondylarthrosis et morbi similes	7131	3	+1	1<--720
722 Nikamävälilevyn sairaus - Morbi discorum intervertebrarium	725	1		
723 Muut kaularangan alueen sairaudet - alii morbi regionis cervic.	..	-	-2	2-->353
725 Reumaattinen polymyalgia - Polymyalgia rheumatica	717	3	+1	1<--726
726 Jänteiden kiinnittymiskohtien kiputilat - Enthesopathia periph.	..	-	-1	1-->725
728 Lihas- ja liigamenttien ja lihaskalvojen sairaudet - Morbi musculi, ligamenti et fasciae	732 733	2 3	+1	1<--729
729 Muut pehmytosten sairaudet - Alii morbi telae conjunctivae	..	-	-1	1-->728
730 Luumäta, luukalvontulehdus ja luutulehdus - Osteomyelitis, periostitis et osteitis	720	6		
731 Pagetin tauti ja muut osteopatiat - Osteitis deformans et osteopathiae aliae	721	1		
733 Muut luun ja ruston sairaudet - Alii morbi ossis et cartilaginis	723	7		
737 Selkärangan ryhtyviat ja epämuodostumat - Deformatio curvaturae columnae vertebralis	735	1	-1	1-->416
XIV SYNNYNNÄISET EPÄMUODOSTUMAT - MALEFORMATIONES CONGENITAE			258	
740 Aivottomuus ja vastaavat epämuodostumat - Anencephalus et maleformationes aliae	740	3		
741 Avoin selkäydinhalkio - Spina bifida aperta	741	2		
742 Hermoston muut synnynnäiset epämuodostumat - Maleformationes systematis nervorum aliae	742 743	7 15		
745 Synnynnäiset sydämen bulbus- ja väliseinädefektit - Maleformationes congenitae bulbi et septi cordis	746	53	-4	4-->746
746 Muut synnynnäiset sydänvialit - Maleformationes cordis congenitae aliae	7466 7467 7468 7469	33 4 12 2	+2 +4	2<--425 4<--745
747 Muun verenkiertoelimistön synnynnäiset epämuodostumat - Maleformationes organorum circulationis congenitae	747	15		
748 Hengityselinten synnynnäiset epämuodostumat - Maleformationes congenitae organorum respirationis	748	8		
750 Ylämahasuolikanavan synnynnäiset epämuodostumat - Maleformationes congenitae organorum digestionis superioris	750	2	-1	1-->751
751 Ruoansulatuselinten muut synnynnäiset epämuodostumat - Maleformationes congenitae organorum digestionis aliae	751	13	+1	1<--750

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			Num ber	Correct position in Class. 1987
753 Virtsaalinten synnynnäiset epämuodostumat - Maleformationes congenitae organorum urinariorum	753	29		
754 Tuki- ja liikuntaelinten epämuodostumat - Maleformationes systematis musculosceletalis	..	-	-1	1-->756
755 Muut raajojen epämuodostumat - Maleformationes extremitatum aliae	755	3		
756 Muut tuki- ja liikuntaelinten synnynnäiset epämuodostumat - Maleformationes systematis musculosceletalis aliae	756	11	0	1-->112, 1<--754
757 Ihon, hiusten ja kynsien synnynnäiset epämuodostumat - Maleformationes congenitae cutis, pilorum et unguium	757	1		
758 Kromosomianomaliat - Anomaliae chromosomatis	7593 7594 7595	6 14 1		
759 Muut synnynnäiset epämuodostumat - Maleformationes aliae congenitae	759	24	-1	1-->112
XV PERINATAALISTEN SAIRAUKSIEN JA KUOLLEISUUDEN SYITÄ - CAUSAE QUAEDAM MORBORUM NEONATORUM ET MORTIS PERINATALIS		166		
760 Raskautta edeltäneiden tai sen aikaisten äidin häiriötilojen vaikutus sikiöön tai vastasyntyneeseen - Morbi matris ante et per graviditatem cum sequelis foetus	761 762 763 7782	3 9 2 -	-5	5-->775
761 Sikiötä tai vastasyntyntä vaarantava raskauskomplikaatio - Complicatio graviditatis cum sequelis foetus	769	14	-1	1-->772
762 Istukan, napanuoran ja sikiökalvojen sikiötä tai vastasynty- nyttä uhkaavat komplikaatiot - Complicationes placentae, umbilici et membranarum foetus	7639 770 771 7780	4 10 1 1		
763 Sikiötä tai vastasyntyntä uhkaavat muut synnytykseen liit- tyvät komplikaatiot - Complicationes aliae in partu	765 7761	1 -	-1	1-->769
765 Ennenaikaisesta synnytyksestä ja sikiön pienipainoisuudesta johtuvat vastasyntyneen häiriöt - Praematuritas	777	11		
768 Sikiön hapenpuute ja asfyksia - Hypoxia et asphyxia foetalis intrauterina	7763 7769 112	2 10 -	+4 -1	4<--770 1-->112
769 Vastasyntyneen IRD-oireyhtymä - Syndroma membranarum hyalinarum	7761	50	+1	1<--763
770 Muut vastasyntyneen hengitysvaikeudet - Dysfunctio respirationis alia	4823 484 486 776 7782	1 1 5 7 -	-4 -2	4-->768 2-->772
771 Perinataalivaiheen infektiot - Morbi infectiosi perinatales	0270 0380 0381 0382 0389	1 5 1 1 2		
772 Sikiön ja vastasyntyneen verenvuoto - Haemorrhagia foetalis et neonatalis	7782	15	+4	1<--760, 2<--770, 1<--776
775 Sikiön tai vastasyntyneen endokriiniset ja metaboliset häiriöt - Morbi endocrini et metabolici specifici fetuum et neonatorum	7611	5	+5	5<--760
776 Sikiön ja vastasyntyneen hematologiset sairaudet - Morbi saguinis neonatorum	..	-	-1	1-->772
777 Sikiön ja vastasyntyneen ruoansulatuselimistön sairaudet - Morbi digestionis neonatorum	561 569	1 1		
778 Sikiön ja vastasyntyneen ihon ja lämmönsäätelyn häiriöt - Causa cutis et temperaturae moderationis fetuum et neonatorum	778	1		
779 Muut sikiön ja vastasyntyneen häiriötilat - Conditiones aliae neonatorum	779	1		
XVI OIREITA JA EPÄTÄYDELLISESTI MÄÄRITELTYJÄ TAPAUKSIA - SYMPTOMATA ET CASUS MALE DEFINITA		230		
780 Yleiset oireet - Symptomata generalia	780	1		
783 Ravitsemukseen, aineenvaihduntaan ja kehitykseen liittyvät oireet - Symptomata nutritionis, metabolismi et evolutionis	7840	1		
784 Pään ja kaulan alueen oireet - Symptomata reg. capitis et colli	..	-	-1	1-->786
786 Hengityselinten oireet - Symptomata organorum respirationis	783	2	+2	1<--784, 1<--783<--E879
797 Vanhuudenheikkous (ilman psykoosia) - Senilitas, psychosis non indicata	794	87		
798 Äkillinen, ei väkivaltainen kuolema tuntemattomasta syystä - Mors subita, non violenta, causa ignota	795 7962	61 57		
799 Muut riittämättömästi määritellyt ja tuntemattomat sairauden ja kuoleman syyt - Causae aliae male definitae et ignotae morbi et mortis	7969	21		

4. Conversion table. Number of deaths in 1987 according to the Finnish Classification of Diseases 1987 converted on the basis of ICD8 and conversion error

Converted underlying cause of death (Classification of diseases 1987)	Conversion error		
	ICD8 code	Number of death	Num ber Correct position in Class. 1987
XVII TAPATURMAT JA VÄKIVALTA - ACCIDENTS AND VIOLENCE		4166	
TAPATURMAT - ACCIDENTS (E800-E949)		2484	
E800 Rautatietapaturmat - Railway accidents			
A henkilöstö - railway employee	E8050	2	
B matkustaja - passenger	E8041	3	
E polkupyöräilijä - pedal cyclist	E8013	1	
	E8053	1	
F jalankulkija - pedestrian	E8012	1	
	E8052	6	
X muu, määrittelemätön - other or unspecified	E8058	2	
E801 Moottorikäyttöisten ajoneuvojen aiheuttamat tapaturmat yleisellä liikennealueella - Motor vehicle traffic accidents			
A kuljettaja - driver	E8100	11	
	E8120	104	
	E8150	3	
	E8160	52	
	E8180	1	
	E8190	1	
B matkustaja - passenger	E8101	3	
	E8121	85	
	E8151	4	
	E8161	29	
	E8171	1	
	E8181	1	
	E8191	3	
C moottoripyöräilijä, mopoiilija - motor cyclist (C+D)	E8102	5	
	E8122	30	
	E8123	2	
	E8152	3	
	E8162	7	
	E8163	2	
E polkupyöräilijä - pedal cyclist	E8136	73	
	E8146	1	
F jalankulkija - pedestrian	E8147	117	
X muu, määrittelemätön - other or unspecified	E8169	2	
	E8198	2	
	E8199	3	
E802 Moottoriajoneuvotapaturmat muualla kuin yleisellä liikennealueella - Motor vehicle nontraffic accidents			
A kuljettaja - driver	E8200	2	
	E8230	18	+5 5<--E830
B matkustaja - passenger	E8231	3	
F jalankulkija - pedestrian	E8207	4	
X muu, määrittelemätön - other or unspecified	E8238	1	+2 2<--E830
	E8239	1	
E803 Muiden ajoneuvojen aiheuttamat tapaturmat yleisellä liikennealueella - Other vehicle traffic accidents			
B matkustaja - passenger	E8252	1	
E polkupyöräilijä - pedal cyclist	E8261	16	
F jalankulkija - pedestrian	E8250	2	
E804 Muiden ajoneuvojen aiheuttamat tapaturmat muualla kuin yleisellä liikennealueella - Other vehicle nontraffic accidents			
X muu, määrittelemätön - other or unspecified	E8278	1	
E810 Hukkuminen vesiliikenteessä - Submersion in water transport accident	E830	43	
	E832	52	
E819 Muut ja tuntemattomat tapaturmat vesiliikenteessä - Other and unspecified water transport accident	E831	4	
	E838	1	
E820 Tapaturmat moottorikoneilmailussa - Accid. to powered aircraft	E841	1	
E821 Purjelentotapaturmat - Accidents to gliding plane	E842	4	+1 1<--E829
E829 Muut ilmailutapaturmat - Other air transport accidents	E844	1	
E830 Muut kuljetus- ja ajoneuvotapaturmat - Other transport accidents	E927	7	+1 1<--E922
E849 Tapaturmainen lääkeyrkytys - Accidental poisoning by drugs and medicaments (E841-849) 1)	E852	2	
	E853	10	
	E854	15	
	E855	66	
	E856	1	
	E857	5	
	E859	2	
E851 Alkoholiyrkytys - Accidental poisoning by alcohol	E860	317	-56 56-->303
E852 Muiden kiinteiden ja juoksevien aineiden myrkyvaikutus - Accidental poisoning by other solid and liquid substances	E864	11	
E853 Kaasujen, savujen ja höyryjen myrkyvaikutus - Accidental poisoning by gases, smokes and vapours	E871	12	
	E873	4	
	E874	22	
	E875	1	
	E876	3	

1) Category consists of several 3-digit categories

4. Conversion table. Number of deaths in 1987 according to the Finnish Classification of Diseases 1987 converted on the basis of ICD8 and conversion error

Converted underlying cause of death (Classification of diseases 1987)	ICD8 code	Number of death	Conversion error	
			Num ber	Correct position in Class. 1987
E869 Toimenpidevahingot - Misadventures during medical care (E860-E869) 1)	E930 E931 E932	19 1 5		
E879 Muun toimenpiteen haittavaikutus - Other procedures, without mention of misadventure	..	-	-3	2-->410, 1-->453 -1 1-->783->786
E880 Kaatuminen tai putoaminen portaissa - Fall on or from stairs or steps	E880	80		
E882 Putoaminen - Fall from one level to another (E881-E882) 1)	E881 E882 E883 E884 E885	4 6 1 68 425		
E883 Kompastuminen tai liukastuminen samalla tasolla - Fall on same level from slipping, tripping or stumbling	E885	425		
E889 Muu tai tarkemmin määrittelemätön putoaminen tai kaatuminen Other and unspecified fall	E887	167	+8	8-->E929D
E899 Tulen ja liekin aiheuttamat tapaturmat - Accident caused by fire and flames (E890-E899) 1)	E890 E891 E892 E893 E898	85 1 3 4 6		
E900 Kuumuus - Excessive heat	E900	30		
E901 Kylmyys - Excessive cold	E901	57		
E905 Muut eläinten aiheuttamat vammat - Other injury caused by animals	E906	1		
E910 Hukkuminen - Accidental drowning and submersion	E910	124		
E911A Ruuan aiheuttama tukehtuminen - Food causing obstruction	E911	75		
E911X Muun esineen aiheuttama tukehtuminen - Other object causing obstruction or suffocation	E912	3		
E912 Tapaturmainen mekaaninen tukehtuminen - Accidental mechanical suffocation	E913	6		
E914 Tapaturmaisesti muuhun ruumiin aukkoon joutunut vierasesine Foreign body accidentally entering other orifice	E915	3		
E920A Putoavan esineen aiheuttama törmäys tai isku - Struck accidentally by falling object	E916	14		
E920X Muu törmäys tai isku - Other striking or struck	E886 E917 E918	1 2 10		
E921 Tapaturmaisesti puristuksiin joutuminen - Caught accidentally in or between objects	E918	10		
E922 Konetapaturmat - Accidents caused by machinery	E928	2	-1	1-->E830
E923 Leikkaavien tai pistävien työkalujen ja esineiden aiheutta- mat tapaturmat - Accidents caused by cutting and piercing instruments or objects	E920	2		
E924 Räjähdyksen aiheuttamat tapaturmat - Accidents caused by explosion	E921 E923	1 2		
E925 Ampumistapaturmat - Accidents caused by firearm missiles	E922	6		
E926 Sähkövirran aiheuttamat tapaturmat - Accidents caused by electric current	E925	4		
E927 Kuuman aineen tai esineen, syövyttävän nesteen tai höyryn aiheuttamat tapaturmat - Accidents caused by hot substance or object, caustic or corrosive material and steam	E924	4		
E929D Muut määrittelemättömät tapaturmat - Other unspecified accidents	E929	7	-8	8-->E889
E929E Moottoriajoneuvotapaturmien (yl. tie) jälkitilat - Late effects of motor vehicle accidents	E940	15	+1	1<--E929F
E929F Muiden kuljetus- ja liikennetapaturmien jälkitilat - Late effects of other transport accidents	E941	2	-1	1-->E929E
E929G Myrkytystapaturmien jälkitilat - Late effects of accidental poisoning	E942	1		
E929H Kaatumistapaturmien jälkitilat - Late effects of accid. falls	E943	28		
E929I Muiden tapaturmien jälkitilat - Late effect of other accidents	E945 E946	1 11		
E932 Hormonien ja niiden synteettisten vastineiden sivuvaikutukset Adverse effects caused by hormones and synthetic substitutes	..	-	-1	1-->415
E935 Analgeettien, antipyreett. ja antireumaattien sivuvaikutukset Adverse effects caused by analgesics, antipyretics, antirheum.	..	-	-6	1-->569->578, 4-->582->593 1-->583->593
E847 Muiden lääkkeiden sivuvaikutukset - Adverse effects caused by other drugs and medicaments	..	-	-1	1-->531
E950 Kiinteillä tai juoksevilla aineilla tehty itsemurha - Suicide and selfinflicted poisoning by solid or liquid substances	E950	260		
E951 Talouskaasun avulla tehty itsemurha - Suicide and selfinflicted poisoning by gases in domestic use	E951	3		
E952 Muilla kaasuilla ja höyryillä tehty itsemurha - Suicide and selfinflicted poisoning by other gases and vapours	E952	121		

1) Category consists of several 3-digit categories

4. Conversion table. Number of deaths in 1987 according to the Finnish Classification of Diseases 1987 converted on the basis of ICD8 and conversion error

Converted underlying cause of death (Classification of diseases 1987)	ICD8 code	Number of death	Conversion error	
			Num ber	Correct position in Class. 1987
E953 Hirttäytyminen, kuristautuminen tai tukehduttautuminen - Suicide and selfinflicted injury by hanging, strangulation and suffocation	E953	440		
E954 Hukuttautuminen - Suicide by submersion (drowning)	E954	93		
E955 Itsemurha ampumalla tai räjäyttämällä - Suicide and selfinflicted injury by firearms and explosives	E955	299		
E956 Itsemurha viiltävällä tai pistävällä välineellä - Suicide by cutting and piercing instruments	E956	27		
E957 Itsemurha korkealta hyppäämällä - Suicide and selfinflected injuries by jumping from high place	E957	33		
E959 Muulla tai määrittelemättömällä tavalla tehty itsemurha - Suicide by other and unspecified means	E958	86		
E959X Itsemurhayrityksen jälkiseuraukset - Late effects of selfinflicted injury	E959	4		
E960 Tappelu tai vastaava väkivaltainen pahoinpitely aseitta - Unarmed fight or brawl	E960	15		
E961 Myrkyttäminen - Assault by poisoning	E962	1		
E962 Hirttäminen tai kuristaminen - Assault by hanging and strangulation	E963	15		
E964 Ampuminen tai räjäyttämisen - Assault by firearms and explosives	E965	32		
E965 Puukotus tai vahingoittaminen muulla teräaseella - Assault by cutting and piercing instrument	E966	51		
E969 Muulla tai tarkemmin määrittelemättömällä tavalla suoritettu murha, tappo tai tahallinen pahoinpitely - Assault by other and unspecified means (E968-E969) 1)	E968	19		
E970 Kiinteiden tai juoksevien aineiden aiheuttama myrkytys - Poisoning by solid or liquid substances	E980	59	+1	1<--304
E971 Kaasumyrkytys - Poisoning by gases	E982	9		
E972 Hirttäminen, hirttyminen tai hirttäytyminen, kuristaminen, kuristuminen tai kuristautuminen, tukehduttaminen, tukehtu- minen tai tukehduttautuminen - Hanging, strangulation or suffocation	E983	6		
E973 Hukkuminen, hukuttautuminen tai hukuttaminen - Submersion	E984	26		
E974 Ampuma-aseiden tai räjähtävien aineiden aiheuttama vahin- goittuminen - Injury by firearms and explosives	E985	6		
E975 Leikkaavien tai pistävien esineiden aiheuttama vahingoittu- minen - Injury by cutting and piercing instruments	E986	1		
E976 Korkealta putoaminen - Falling from high place	E987	7		
E979 Muulla tai määrittelemättömällä tavalla tapahtunut vahin- goittuminen - Injury by other and unspecified means	E988 E989	63 2		
E890 Poliisin tai muun laillisesti järjestystä ylläpitävän aiheuttamat vahingoittumiset - Legal interventions	E975	1		
E990 Sotatoimet - Injury resulting from operations of war	E999	3		

1) Category consists of several 3-digit categories

6 Longitudinal data of causes of death since 1971

The data includes the deaths of all permanent residents of Finland and stillbirths. Underlying causes of death have been standardized to comply with the Classification of Diseases 1987 according to the conversion key in appendix 1. The concept of cause of death for infants that have died at the age of 0–27 days since 1987 has been made compatible with the concept of the underlying cause (see 4.3 "perinatal causes"). The division into municipalities and provinces in the data follows the latest division in effect.

The converted underlying cause always has at least three digits but some of the nominal 3-digit categories are

combinations of several 3-digit categories (see Table 4.) Four or five-digit categories occur only in a few cases (see appendix 1).

The longitudinal data can be used not only for mortality analysis by cause but also for different follow-up studies using individual data. Also different samples can be picked up from the data. It is possible to incorporate research data into it because the data includes identity numbers. The use of individual data requires permission from Statistics Finland. The conversion key can also be used by researchers.

Reports relating to the subject

Mats Brommels, Divergences of the Finnish 1987 Diagnosis Classification Compared to ICD-9 (unpublished)

Robert Israel, Comparability of Mortality Statistics between Revisions of the International Classification Diseases, WHO SES/ICD7C/92.22

Kansaneläkelaitoksen sairauskoodin muunnos kansainvälisen tautiluokituksen kahdeksannen revision mukaisesta yhdeksännen revision mukaiseksi (unpublished)

France Mesle and Jaques Vallin, Causes of Death: From the 8th to the 9th Revision, The Different Cases of France and England and Wales, WHO SES/ICD/C/92.26

Klassificering av dödsorsaker i svensk statistik, Meddelanden i samordningsfrågor 1990:3. Statistiska centralbyrån

International Classification of Diseases, Relationship between Categories of Eight and Ninth Revision, WHO DES/ICD/84

Appendices

Appendice 1A

Conversion key ICD8 -> the Finnish Classification of Diseases organized according to ICD8 codes

ICD8	Class. 1987		ICD8	Class. 1987		ICD8	Class. 1987		ICD8	Class. 1987		ICD8	Class. 1987
000	001	1)	083	083	1)	187	187	1)	2630	266	1)	349	337
001	002		084	084		188	188		2631	266		350	351
002	002		084	771	L	189	189		2638	266		352	353
003	003		085	085		190	190		2639	265		353	355
003	771	L	086	086		191	191		264	267		354	357
004	004		087	086		1924	171		265	268		355	356
005	005		088	087		1925	194		266	269		356	352
006	006		089	088		192	192		267	260		357	357
007	007		090	090		193	193		268	261		358	337
008	008		090	771	L	1942	164		2699	269		360	372
009	009		091	091		194	194		269	779	L	360	771
009	777	L	092	092		195	195		269	579		361	373
010	011		093	093		196	199		270	270		362	372
011	011		094	094		1978	1552X		271	271		363	370
011	771	L	095	095		197	199		272	272		364	364
0120	010		096	096		198	199		2732	275		365	363
0122	511		097	097		199	199		2733	275		366	363
012	012		098	098		200	202		2734	275		367	363
013	013		099	099		201	201		2736	255		368	375
014	014		100	100		202	202		273	277		368	771
015	015		101	101		203	203		274	274		369	379
016	016		102	102		204	204		2750	279		370	367
017	017		103	103		205	205		2751	279		371	371
018	018		104	104		206	206		2759	273	(<-83	372	372
019	137		110	110		2072	207		2759	0788C>-84		373	378
020	020		111	111		207	208		275	273		374	366
021	021		112	112		208	238		276	277		375	365
022	022		112	771	L	209	238		277	278		376	361
023	023		113	039		210	210		278	278		377	362
024	024		114	114		211	211		279	277		378	379
025	025		115	115		212	212		280	280		379	369
026	026		1160	117		213	213		280	776	L	380	380
027	027		116	116		214	214		281	281		381	382
027	771	L	117	117		215	215		282	282		382	382
030	030		120	120		216	216		283	283		383	383
031	031		121	121		217	217		284	284		384	381
032	032		122	122		218	218		285	285		385	386
033	033		123	123		219	219		286	286		386	387
034	034		124	124		220	220		2872	238		387	388
035	035		125	125		221	221		287	287		388	389
036	036		126	126		222	222		287	776	L	389	389
037	037		127	127		223	223		288	288		390	390
037	771	L	128	128		224	224		288	776	L	3919	424
038	038		129	129		2255	215		2899	288		391	391
038	771	L	130	130		2256	215		289	289		392	392
039	040		130	771	L	225	225		289	776	L	393	393
039	771	L	131	131		2261	212		2900	290		3940	394
040	045		132	132		2268	237		2901	337		3949	424
041	045		133	133		226	227		291	291		3950	395
042	045		134	134		227	228		292	294		3959	424
043	045		135	135		228	229		293	294		3960	396
043	771	L	136	136		230	239		294	294		3969	424
044	138		136	771	L	231	239		295	295		397	397
045	047		140	140		232	239		296	296		398	398
046	049		141	141		233	239		297	297		4000	401
050	050		142	142		234	239		298	298		4001	402
051	051		143	143		235	239		299	298		4002	401
052	052		144	144		236	239		300	300		4003	403
053	053		145	145		237	239		301	301		4009	404
054	054		146	146		2389	237		302	302		401	401
054	771	L	147	147		238	239		303	303		402	402
055	055		148	148		239	239		304	304		403	403
056	056		149	149		240	240		305	305		404	404
056	771	L	150	150		241	241		306	307		410	410
057	057		151	151		242	242		307	309		411	414
060	060		152	152		242	775	L	308	313		412	414
061	061		153	153		243	243		309	310		413	414
062	062		154	154		244	244		310	315		414	414
063	063		155	155		245	245		311	317		420	420
064	064		156	156		246	246		312	318		421	421
065	049		157	157		250	250		313	318		422	422
066	139		158	158		250	775	L	314	318		423	423
067	065		159	159		251	251		315	319		424	424
068	066		160	160		251	775	L	320	323		425	425
070	070		161	161		2520	227	L	320	771	L	426	416
070	771	L	162	162		252	252		321	325		4270	428
071	071		1630	163		252	775	L	322	323		4271	428
072	072		1631	164		2531	253		323	323		427	427
073	073		1639	165		253	227		324	326		428	429
074	074		170	170		254	254		330	337		429	429
075	075		171	171		2552	227		331	337		430	438
076	076		172	172		255	255		332	337		431	438
077	139		173	173		256	256		333	337		432	438
078	077		174	174		257	257		340	340		433	438
078	771	L	174	175	1	2580	227	SP	341	341		434	438
0792	049		180	180		2581	258		342	337		435	438
0799	079		181	181		2589	259		343	343		436	438
079	078		1820	182		258	775	L	344	344		437	438
079	771	L	1829	179		260	264		345	345		438	438
080	080		183	183		261	265		346	346		440	440
081	081		184	184		262	265		3470	347		441	441
082	082		185	185					3479	337		442	442
			186	186					348	337		443	443

1) L- if age 0-27 days, (<-83 year of death 1971-83, >-84 - year of death 1984, 1 SP - if male

Conversion key ICD8 -> the Finnish Classification of Diseases organized according to ICD8 codes

ICD8	Class. 1987		ICD8	Class. 1987	ICD8	Class. 1987	ICD8	Class. 1987	ICD8	Class. 1987				
4442	557	1)	543	543	1)	644	676	1)	7434	237	1)	7886	276	1)
444	444		550	553		645	676		743	742		7887	276	
4450	440		551	553		650	676		744	743		7888	780	
4459	785		552	553		651	676		745	744		7889	780	
446	446		553	553		652	676		7466	746		789	791	
447	447		560	560		653	676		7467	746		790	780	
448	448		560	777	L	654	676		7468	746		791	784	
450	415		561	558		655	676		7469	746		792	593	
451	453		561	777	L	656	676		746	745		793	799	
452	452		562	562		657	676		747	747		794	797	
453	453		5630	555		658	676		748	748		795	798	
454	454		5631	556		659	676		749	749		7960	798	
455	455		5639	558		660	676		750	750		7961	799	
456	456		564	564		661	676		751	751		7962	798	
457	457		565	565		662	676		752	752		7963	799	
4580	458		566	566		670	676		753	753		7969	799	
4589	459		567	567		671	676		754	754		960	779	L
460	460		567	777	L	672	676		755	755		999	776	L
461	461		568	568		673	676		756	756		E8000	E800A	
462	462		569	578		674	676		757	757		E8001	E800B	
463	463		569	777	L	675	676		758	759		E8002	E800F	
464	464		570	570		676	676		7593	758		E8003	E800E	
464	464		5710	5712		677	676		7594	758		E8008	E800X	
465	465		5719	5715		678	676		7595	758		E8009	E800X	
466	466		571	777	L	680	680		759	759		E8010	E800A	
470	487		572	572		681	681		760	760		E8011	E800B	
470	771	L	573	573		682	682		7611	775		E8012	E800F	
471	487		574	574		682	771	L	7617	779		E8013	E800E	
472	487		575	575		683	683		761	760		E8018	E800X	
473	487		576	576		684	684		762	760		E8019	E800X	
474	487		577	577		685	685		7639	762		E8020	E800A	
480	485		580	593		686	686		763	760		E8021	E800B	
480	770	L	581	593		686	771	L	764	763		E8022	E800F	
481	485		582	593		690	690		765	763		E8023	E800E	
481	770	L	583	593		691	691		766	763		E8028	E800X	
482	485		584	593		692	692		767	763		E8029	E800X	
482	770	L	590	593		693	694		768	763		E8030	E800A	
483	485		591	593		694	694		7699	763		E8031	E800B	
483	770	L	592	593		695	695		769	761		E8032	E800F	
484	516		593	593		695	778	L	770	762		E8033	E800E	
484	770	L	594	594		696	696		771	762		E8038	E800X	
485	485		595	595		697	697		772	767		E8039	E800X	
485	770	L	596	599		698	698		773	779		E8040	E800A	
486	485		597	597		700	700		774	773		E8041	E800B	
486	770	L	598	598		701	701		775	773		E8042	E800F	
490	490		599	599		702	702		7761	769		E8043	E800E	
491	491		599	771	L	703	703		7763	768		E8048	E800X	
492	492		600	600		704	704		7764	768		E8049	E800X	
493	493		601	601		705	705		7769	768		E8050	E800A	
500	474		602	602		706	706		776	770		E8051	E800B	
501	475		603	603		707	707		777	765		E8052	E800F	
502	472		604	604		708	708		7780	762		E8053	E800E	
503	473		604	604		708	708		7781	766		E8058	E800X	
504	470		605	605		709	709	L	7782	772		E8059	E800X	
505	471		606	606		709	778		778	778		E8060	E800A	
506	476		607	608		710	711	L	779	779		E8061	E800B	
507	477		610	610		711	711		780	780		E8062	E800F	
508	478		611	611		711	711		781	348		E8063	E800E	
510	510		611	771	L	7124	720		782	785		E8068	E800X	
511	511		612	614		712	714		783	786		E8069	E800X	
512	512		613	614		7130	715		7830	784		E8070	E800A	
513	513		614	614		7131	721		7840	783		E8071	E800B	
514	519		615	620		7132	720		7841	787		E8072	E800F	
5150	502		6160	614		714	716		7842	537		E8073	E800E	
5151	500		6161	614		715	716		7843	787		E8078	E800X	
5152	501		6162	625		716	710		7844	787		E8079	E800X	
5159	503		6169	619		717	725		7845	578		E8100	E801A	
5160	503		620	616		718	729		7846	786		E8101	E801B	
5161	495		621	616		720	730		7847	787		E8102	E801C	
5162	506		6220	615		721	731		784	779	L	E8103	E801C	
517	519		6221	616		722	732		7850	789		E8104	E801B	
518	494		623	618		7231	731		7851	789		E8105	E801X	
519	519		624	621		723	733		7852	782		E8106	E801E	
520	520		6253	617		724	718		7853	789		E8107	E801F	
521	521		6259	619		725	722		7854	787		E8108	E801X	
522	522		625	621		726	720		7855	787		E8109	E801X	
523	523		626	626		727	718		7856	787		E8110	E801A	
524	524		627	627		7289	353		7857	578		E8111	E801B	
525	525		628	628		728	723		7858	787		E8112	E801C	
526	526		629	629		729	719		786	788		E8113	E801C	
527	527		630	676		730	727		7870	781		E8114	E801B	
528	528		631	676		731	727		7871	781		E8115	E801X	
529	529		632	676		732	728		7872	729		E8116	E801E	
530	530		633	676		7330	358		7873	719		E8117	E801F	
531	531		634	676		733	728		7874	719		E8118	E801X	
532	532		635	676		733	775	L	7875	719		E8119	E801X	
533	537		636	676		734	710		7876	781		E8120	E801A	
534	534		637	676		735	737		7880	276		E8121	E801B	
535	535		638	676		736	734		7881	780		E8122	E801C	
536	536		639	676		737	735		7882	782		E8123	E801C	
537	537		640	676		738	738		7883	788		E8124	E801B	
540	540		641	676		740	740		7884	783		E8125	E801X	
541	541		642	676		741	741		7885	275		E8126	E801E	
542	542		643	676		742	742							

1) L- if age 0-27 days, <-83 year of death 1971-83, >-84 = year of death 1984-, 1 SP - if male

Conversion key ICD8 -> the Finnish Classification of Diseases organized according to ICD8 codes

ICD8	Class. 1987	ICD8	Class. 1987	ICD8	Class. 1987
E8127	E801F	E8220	E802A	E900	E900
E8128	E801X	E8221	E802B	E901	E901
E8129	E801X	E8222	E802C	E902	E902
E8130	E801A	E8223	E802C	E903	E929D
E8131	E801B	E8224	E802B	E904	E903
E8132	E801C	E8225	E802X	E905	E904
E8133	E801C	E8226	E802E	E906	E905
E8134	E801B	E8227	E802F	E907	E906
E8135	E801X	E8228	E802X	E908	E909
E8136	E801E	E8229	E802X	E909	E909
E8137	E801F	E8230	E802A	E910	E910
E8138	E801X	E8231	E802B	E911	E911A
E8139	E801X	E8232	E802C	E912	E911X
E8140	E801A	E8233	E802C	E913	E912
E8141	E801B	E8234	E802B	E914	E913
E8142	E801C	E8235	E802X	E915	E914
E8143	E801C	E8236	E802E	E916	E920A
E8144	E801B	E8237	E802F	E917	E920X
E8145	E801X	E8238	E802X	E918	E921
E8146	E801E	E8239	E802X	E919	E929A
E8147	E801F	E8250	E803F	E920	E923
E8148	E801X	E8251	E803E	E921	E924
E8149	E801X	E8252	E803B	E922	E925
E8150	E801A	E8258	E803X	E923	E924
E8151	E801B	E8259	E803X	E924	E927
E8152	E801C	E8260	E803F	E925	E926
E8153	E801C	E8261	E803E	E926	E928
E8154	E801B	E8268	E803X	E927	E830
E8155	E801X	E8269	E803X	E928	E922
E8156	E801E	E8270	E803F	E929	E929D
E8157	E801F	E8278	E804X	E930	E869
E8158	E801X	E8279	E804X	E931	E869
E8159	E801X	E830	E810	E932	E869
E8160	E801A	E831	E819	E933	E869
E8161	E801B	E832	E810	E934	E869
E8162	E801C	E833	E819	E935	E869
E8163	E801C	E834	E819	E936	E869
E8164	E801B	E835	E819	E940	E929E
E8165	E801X	E836	E819	E941	E929F
E8166	E801E	E837	E819	E942	E929G
E8167	E801F	E838	E819	E943	E929H
E8168	E801X	E840	E820	E944	E929I
E8169	E801X	E841	E820	E945	E929I
E8170	E801A	E842	E821	E946	E929I
E8171	E801B	E843	E820	E947	E929I
E8172	E801C	E844	E829	E948	E929I
E8173	E801C	E845	E829	E949	E929I
E8174	E801B	E850	E849	E950	E950
E8175	E801X	E851	E849	E951	E951
E8176	E801E	E852	E849	E952	E952
E8177	E801F	E853	E849	E953	E953
E8178	E801X	E854	E849	E954	E954
E8179	E801X	E855	E849	E955	E955
E8180	E801A	E856	E849	E956	E956
E8181	E801B	E857	E849	E957	E957
E8182	E801C	E858	E849	E958	E959
E8183	E801C	E859	E849	E959	E959X
E8184	E801B	E860	E851	E960	E960
E8185	E801X	E861	E852	E961	E969
E8186	E801E	E862	E852	E962	E961
E8187	E801F	E863	E852	E963	E962
E8188	E801X	E864	E852	E964	E963
E8189	E801X	E865	E852	E965	E964
E8190	E801A	E866	E852	E966	E965
E8191	E801B	E867	E852	E967	E969
E8192	E801C	E868	E854	E968	E969
E8193	E801C	E869	E855	E969	E969
E8194	E801B	E870	E853	E970	E980
E8195	E801X	E871	E853	E971	E980
E8196	E801E	E872	E853	E972	E980
E8197	E801F	E873	E853	E973	E980
E8198	E801X	E874	E853	E974	E980
E8199	E801X	E875	E853	E975	E980
E8200	E802A	E876	E853	E976	E980
E8201	E802B	E877	E853	E977	E980
E8202	E802C	E880	E880	E978	E980
E8203	E802C	E881	E882	E980	E970
E8204	E802B	E882	E882	E981	E971
E8205	E802X	E883	E882	E982	E971
E8206	E802E	E884	E882	E983	E972
E8207	E802F	E885	E883	E984	E973
E8208	E802X	E886	E920X	E985	E974
E8209	E802X	E887	E889	E986	E975
E8210	E802A	E890	E899	E987	E976
E8211	E802B	E891	E899	E988	E979
E8212	E802C	E892	E899	E989	E979
E8213	E802C	E893	E899	E990	E990
E8214	E802B	E894	E899	E991	E990
E8215	E802X	E895	E899	E992	E990
E8216	E802E	E896	E899	E993	E990
E8217	E802F	E897	E899	E994	E990
E8218	E802X	E898	E899	E995	E990
E8219	E802X	E899	E899	E996	E990
				E997	E990
				E998	E990
				E999	E990

Conversion key ICD8 -> the Finnish Classif. of Diseases 1987 organized acc. to the codes of the 1987 Class.

Class. 1987.	ICD8	1)	Class. 1987.	ICD8	1)	Class. 1987.	ICD8	1)	Class. 1987.	ICD8	1)	Class. 1987.	ICD8	1)
001	000		099	099		202	200		276	7887		375	368	
002	001		100	100		202	202		277	273		378	373	
002	002		101	101		203	203		277	276		379	369	
003	003		102	102		204	204		277	279		379	378	
004	004		103	103		205	205		278	277		380	380	
005	005		104	104		206	206		278	278		381	384	
006	006		110	110		207	2072		279	2750		382	381	
007	007		111	111		208	207		279	2751		382	382	
008	008		112	112		210	210		280	280		383	383	
009	009		114	114		211	211		281	281		386	385	
010	0120		115	115		212	212		282	282		387	386	
011	010		116	116		212	2261		283	283		388	387	
011	011		117	1160		213	213		284	284		389	388	
012	012		117	117		214	214		285	285		389	389	
013	013		120	120		215	215		286	286		390	390	
014	014		121	121		215	2255		287	287		391	391	
015	015		122	122		215	2256		288	288		392	392	
016	016		123	123		216	216		288	2899		393	393	
017	017		124	124		217	217		289	289		394	3940	
018	018		125	125		218	218		290	2900		395	3950	
020	020		126	126		219	219		291	291		396	3960	
021	021		127	127		220	220		294	292		397	397	
022	022		128	128		221	221		294	293		398	398	
023	023		129	129		222	222		294	294		401	4000	
024	024		130	130		223	223		295	295		401	4002	
025	025		131	131		224	224		296	296		401	401	
026	026		132	132		225	225		297	297		402	4001	
027	027		133	133		227	226		298	298		402	402	
030	030		134	134		227	2520		298	299		403	4003	
031	031		135	135		227	253		300	300		403	403	
032	032		136	136		227	2552		301	301		404	4009	
033	033		137	019		227	2580		302	302		404	404	
034	034		138	044		228	227		303	303		410	410	
035	035		139	066		229	228		304	304		414	411	
036	036		139	077		237	2268		305	305		414	412	
037	037		140	140		237	2389		307	306		414	413	
038	038		141	141		237	7434		309	307		414	414	
039	113		142	142		238	208		310	309		415	450	
040	039		143	143		238	209		313	308		416	426	
045	040		144	144		238	2872		315	310		420	420	
045	041		145	145		239	230		317	311		421	421	
045	042		146	146		239	231		318	312		422	422	
045	043		147	147		239	232		318	313		423	423	
047	045		148	148		239	233		318	314		424	3919	
049	046		149	149		239	234		319	315		424	3949	
049	065		150	150		239	235		323	320		424	3959	
049	0792		151	151		239	236		323	322		424	3969	
050	050		152	152		239	237		323	323		424	424	
051	051		153	153		239	238		325	321		425	425	
052	052		154	154		239	239		326	324		427	427	
053	053		155	155		240	240		337	2901		428	4270	
054	054		1552X	1978		241	241		337	330		428	4271	
055	055		156	156		242	242		337	331		429	428	
056	056		157	157		243	243		337	332		429	429	
057	057		158	158		244	244		337	333		438	430	
060	060		159	159		245	245		337	342		438	431	
061	061		160	160		246	246		337	3479		438	432	
062	062		161	161		250	250		337	348		438	433	
063	063		162	162		251	251		337	349		438	434	
064	064		163	1630		252	252		337	358		438	435	
065	067		164	1631		253	2531		340	340		438	436	
066	068		164	1942		254	254		341	341		438	437	
070	070		165	1639		255	255		343	343		438	438	
071	071		170	170		255	2736		344	344		440	440	
072	072		171	171		256	256		345	345		440	4450	
073	073		171	1924		257	257		346	346		441	441	
074	074		172	172		258	2581		347	3470		442	442	
075	075		173	173		259	2589		348	781		443	443	
076	076		174	174		260	267		351	350		444	444	
077	078		175	174	1	261	268	SP	352	356		446	446	
078	079		179	1829		264	260		353	352		447	447	
0788C	2759	>-84	180	180		265	261		353	7289		448	448	
079	0799		181	181		265	262		355	353		452	452	
080	080		182	1820		265	2639		356	355		453	451	
081	081		183	183		266	2630		357	354		453	453	
082	082		184	184		266	2631		357	357		454	454	
083	083		185	185		266	2638		358	7330		455	455	
084	084		186	186		267	264		361	376		456	456	
085	085		187	187		268	265		362	377		457	457	
086	086		188	188		269	266		363	365		458	4580	
086	087		189	189		269	2699		363	366		459	4589	
087	088		190	190		270	270		363	367		460	460	
088	089		191	191		271	271		364	364		461	461	
090	090		192	192		272	272		365	375		462	462	
091	091		193	193		273	275		366	374		463	463	
092	092		194	1925		273	2759	<-83	367	370		464	464	
093	093		194	194		274	274		369	379		465	465	
094	094		195	195		275	2732		370	363		466	466	
095	095		199	196		275	2733		371	371		470	504	
096	096		199	197		275	2734		372	360		471	505	
097	097		199	198		275	7885		372	362		472	502	
098	098		199	199		276	7880		372	372		473	503	
			201	201		276	7886		373	361		474	500	

1) L- if age 0-27 days, <-83 - year of death 1971-83, >-84 - year of death 1984, 1 SP - if male

Conversion key ICD8 -> the Finnish Classif. of Diseases 1987 organized acc. to the codes of the 1987 Class.

Class. ICD8 1987.	1)	Class. ICD8 1987.	1)	Class. ICD8 1987.	1)	Class. ICD8 1987.	1)	Class. ICD8 1987.	1)	
475	501	593	590	696	696	767	772	788	786	
476	506	593	591	697	697	768	7763	788	7883	
477	507	593	592	698	698	768	7764	789	7850	
478	508	593	593	700	700	768	7769	789	7851	
485	480	593	792	701	701	769	7761	789	7853	
485	481	594	594	702	702	770	480	L	791	789
485	482	595	595	703	703	770	481	L	797	794
485	483	597	597	704	704	770	482	L	798	795
485	485	598	598	705	705	770	483	L	798	7950
485	486	599	596	706	706	770	484	L	798	7962
487	470	599	599	707	707	770	485	L	799	793
487	471	600	600	708	708	770	486	L	799	7961
487	472	601	601	709	709	770	776		799	7963
487	473	602	602	710	716	771	003	L	799	7969
487	474	603	603	710	734	771	011	L	E800A	E8000
490	490	604	604	711	710	771	027	L	E800A	E8010
491	491	605	605	711	711	771	037	L	E800A	E8020
492	492	606	606	714	712	771	038	L	E800A	E8030
493	493	608	607	715	7130	771	039	L	E800A	E8040
494	518	610	610	716	714	771	043	L	E800A	E8050
495	5161	611	611	716	715	771	054	L	E800A	E8060
500	5151	614	612	718	724	771	056	L	E800A	E8070
501	5152	614	613	718	727	771	070	L	E800B	E8001
502	5150	614	614	719	729	771	078	L	E800B	E8011
503	5159	614	6160	719	7873	771	079	L	E800B	E8021
503	5160	614	6161	719	7874	771	084	L	E800B	E8031
506	5162	615	6220	719	7875	771	090	L	E800B	E8041
510	510	616	620	720	7124	771	112	L	E800B	E8051
511	0122	616	621	720	7132	771	130	L	E800B	E8061
511	511	616	6221	720	726	771	136	L	E800B	E8071
512	512	617	6253	721	7131	771	320	L	E800E	E8003
513	513	618	623	722	725	771	360	L	E800E	E8013
516	484	619	6169	723	728	771	368	L	E800E	E8023
519	514	619	6259	725	717	771	470	L	E800E	E8033
519	517	620	615	727	730	771	599	L	E800E	E8043
519	519	621	624	727	731	771	611	L	E800E	E8053
520	520	621	625	728	732	771	682	L	E800E	E8063
521	521	625	6162	728	733	771	686	L	E800E	E8073
522	522	626	626	729	718	772	7782		E800F	E8002
523	523	627	627	729	7872	773	774		E800F	E8012
524	524	628	628	730	720	773	775		E800F	E8022
525	525	629	629	731	721	775	242	L	E800F	E8032
526	526	676	630	731	7231	775	250	L	E800F	E8042
527	527	676	631	732	722	775	251	L	E800F	E8052
528	528	676	632	733	723	775	252	L	E800F	E8062
529	529	676	633	734	736	775	258	L	E800F	E8072
530	530	676	634	735	737	775	733	L	E800X	E8008
531	531	676	635	737	735	775	7611		E800X	E8009
532	532	676	636	738	738	776	280	L	E800X	E8018
534	534	676	637	740	740	776	287	L	E800X	E8019
535	535	676	638	741	741	776	288	L	E800X	E8028
536	536	676	639	742	742	776	289	L	E800X	E8029
537	533	676	640	742	743	776	999	L	E800X	E8038
537	537	676	641	743	744	777	009	L	E800X	E8039
537	7842	676	642	744	745	777	560	L	E800X	E8048
540	540	676	643	745	746	777	561	L	E800X	E8049
541	541	676	644	746	7466	777	567	L	E800X	E8058
542	542	676	645	746	7467	777	569	L	E800X	E8059
543	543	676	650	746	7468	777	571	L	E800X	E8068
553	550	676	651	746	7469	778	695	L	E800X	E8069
553	551	676	652	747	747	778	708	L	E800X	E8078
553	552	676	653	748	748	778	709	L	E800X	E8079
553	553	676	654	749	749	778	778		E801A	E8100
555	5630	676	655	750	750	779	269	L	E801A	E8110
556	5631	676	656	751	751	779	7617		E801A	E8120
557	4442	676	657	752	752	779	773		E801A	E8130
558	561	676	658	753	753	779	779		E801A	E8140
558	5639	676	659	754	754	779	784	L	E801A	E8150
560	560	676	660	755	755	779	960	L	E801A	E8160
562	562	676	661	756	756	780	780		E801A	E8170
564	564	676	662	757	757	780	7881		E801A	E8180
565	565	676	670	758	7593	780	7888		E801A	E8190
566	566	676	671	758	7594	780	7889		E801B	E8101
567	567	676	672	758	7595	780	790		E801B	E8104
568	568	676	673	759	758	781	7870		E801B	E8111
570	570	676	674	759	759	781	7871		E801B	E8114
5712	5710	676	675	760	760	781	7876		E801B	E8121
5715	5719	676	676	760	761	782	7852		E801B	E8124
572	572	676	677	760	762	782	7882		E801B	E8131
573	573	676	678	760	763	783	7840		E801B	E8134
574	574	680	680	761	769	783	7884		E801B	E8141
575	575	681	681	762	7639	784	7830		E801B	E8144
576	576	682	682	762	770	784	791		E801B	E8151
577	577	683	683	762	771	785	4459		E801B	E8154
578	569	684	684	762	7780	785	782		E801B	E8161
578	7845	685	685	763	764	786	783		E801B	E8164
578	7857	686	686	763	765	786	7846		E801B	E8171
579	269	690	690	763	766	787	7841		E801B	E8174
593	580	691	691	763	767	787	7843		E801B	E8181
593	581	692	692	763	768	787	7844		E801B	E8184
593	582	694	693	763	7699	787	7847		E801B	E8191
593	583	694	694	765	777	787	7854		E801B	E8194
593	584	695	695	766	7781	787	7855			
						787	7856			
						787	7858			

1) L- if age 0-27 days, (-83 - year of death 1971-83.
)-84 - year of death 1984-, 1 SP - if male

Conversion key ICDB -> the Finnish Classif. of Diseases 1987 organized acc. to the codes of the 1987 Class.

Class. ICDB 1987.	Class. ICDB 1987.	Class. ICDB 1987.	Class. ICDB 1987.
E801C	E8102	E802F	E8207
E801C	E8103	E802F	E8217
E801C	E8112	E802F	E8227
E801C	E8113	E802F	E8237
E801C	E8122	E802X	E8205
E801C	E8123	E802X	E8208
E801C	E8132	E802X	E8209
E801C	E8133	E802X	E8215
E801C	E8142	E802X	E8218
E801C	E8143	E802X	E8219
E801C	E8152	E802X	E8225
E801C	E8153	E802X	E8228
E801C	E8162	E802X	E8229
E801C	E8163	E802X	E8235
E801C	E8172	E802X	E8238
E801C	E8173	E802X	E8239
E801C	E8182	E803B	E8252
E801C	E8183	E803E	E8251
E801C	E8192	E803E	E8261
E801C	E8193	E803F	E8250
E801E	E8106	E803F	E8260
E801E	E8116	E803F	E8270
E801E	E8126	E803X	E8258
E801E	E8136	E803X	E8259
E801E	E8146	E803X	E8268
E801E	E8156	E803X	E8269
E801E	E8166	E804X	E8278
E801E	E8176	E804X	E8279
E801E	E8186	E810	E830
E801E	E8196	E810	E832
E801F	E8107	E819	E831
E801F	E8117	E819	E833
E801F	E8127	E819	E834
E801F	E8137	E819	E835
E801F	E8147	E819	E836
E801F	E8157	E819	E837
E801F	E8167	E819	E838
E801F	E8177	E820	E840
E801F	E8187	E820	E841
E801F	E8197	E820	E843
E801X	E8105	E821	E842
E801X	E8108	E829	E844
E801X	E8109	E829	E845
E801X	E8115	E830	E927
E801X	E8118	E849	E850
E801X	E8119	E849	E851
E801X	E8125	E849	E852
E801X	E8128	E849	E853
E801X	E8129	E849	E854
E801X	E8135	E849	E855
E801X	E8138	E849	E856
E801X	E8139	E849	E857
E801X	E8145	E849	E858
E801X	E8148	E849	E859
E801X	E8149	E851	E860
E801X	E8155	E852	E861
E801X	E8158	E852	E862
E801X	E8159	E852	E863
E801X	E8165	E852	E864
E801X	E8168	E852	E865
E801X	E8169	E852	E866
E801X	E8175	E852	E867
E801X	E8178	E853	E870
E801X	E8179	E853	E871
E801X	E8185	E853	E872
E801X	E8188	E853	E873
E801X	E8189	E853	E874
E801X	E8195	E853	E875
E801X	E8198	E853	E876
E801X	E8199	E853	E877
E802A	E8200	E854	E868
E802A	E8210	E855	E869
E802A	E8220	E869	E930
E802A	E8230	E869	E931
E802B	E8201	E869	E932
E802B	E8204	E869	E933
E802B	E8211	E869	E934
E802B	E8214	E869	E935
E802B	E8221	E869	E936
E802B	E8224	E880	E880
E802B	E8231	E882	E881
E802B	E8234	E882	E882
E802C	E8202	E882	E883
E802C	E8203	E882	E884
E802C	E8212	E883	E885
E802C	E8213	E889	E887
E802C	E8222	E899	E890
E802C	E8223	E899	E891
E802C	E8232	E899	E892
E802C	E8233	E899	E893
E802E	E8206	E899	E894
E802E	E8216	E899	E895
E802E	E8226	E899	E896
E802E	E8236		
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		E899	E899
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		E902	E902
		E903	E904
		E904	E905
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		E906	E907
		E909	E908
		E909	E909
		E910	E910
		E911A	E911
		E911X	E912
		E912	E913
		E913	E914
		E914	E915
		E920A	E916
		E920X	E886
		E920X	E917
		E921	E918
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		E924	E923
		E925	E922
		E926	E925
		E927	E924
		E928	E926
		E929A	E919
		E929D	E903
		E929D	E929
		E929E	E940
		E929F	E941
		E929G	E942
		E929H	E943
		E929I	E944
		E929I	E945
		E929I	E946
		E929I	E947
		E929I	E948
		E929I	E949
		E950	E950
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		E956	E956
		E957	E957
		E959	E958
		E959X	E959
		E960	E960
		E961	E962
		E962	E963
		E963	E964
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		E965	E966
		E969	E961
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		E969	E968
		E969	E969
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		E971	E982
		E972	E983
		E973	E984
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		E976	E987
		E979	E988
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		E990	E991
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		E990	E993
		E990	E994
		E990	E995
		E990	E996
		E990	E997
		E990	E998
		E990	E999

Comparison of causes of death

between the International Classification of Diseases (ICD8)

and the Finnish Classification of Diseases 1987

and the Longitudinal Data of Causes of Death since 1971

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