

## PASS information

<b>Title</b>	Metformin use in renal impairment
<b>Protocol version identifier</b>	Version 2
<b>Date of last version of protocol</b>	30 October 2013
<b>EU PAS register number</b>	Study not registered
<b>Active substance</b>	A10BA02 metformin
<b>Medicinal product</b>	Metformin
<b>Product reference</b>	N/A
<b>Procedure number</b>	N/A
<b>Marketing authorisation holder(s)</b>	1A Farma, Actavis, Aurobindo, Biochemie, Bluefish, Hexal, Mylan, Orifarm, Pfizer, Sandoz, Stada, Teva
<b>Joint PASS</b>	No
<b>Research question and objectives</b>	To assess the use and safety of metformin in patients with and without renal insufficiency in current clinical practice in at least two EU Member States.
<b>Country(-ies) of study</b>	Denmark, United Kingdom
<b>Author</b>	Christian Fynbo Christiansen, MD, PhD

## Marketing authorisation holder(s)

Marketing authorisation holder(s)	N/A
MAH contact person	N/A

# 1. Table of Contents

PASS information .....	1
Marketing authorisation holder(s) .....	2
1. Table of Contents .....	3
2. List of abbreviations.....	4
3. Responsible parties .....	5
4. Abstract .....	6
5. Amendments and updates .....	7
6. Milestones .....	7
7. Rationale and background.....	8
8. Research question and objectives .....	8
9. Research methods .....	9
9.1. Study design .....	9
9.2. Setting .....	9
9.3. Variables .....	10
9.4. Data sources .....	12
9.5. Study size.....	13
9.6. Data management .....	13
9.7. Data analysis .....	14
9.8. Quality control.....	16
9.9. Limitations of the research methods.....	17
9.10. Other aspects .....	18
10. Protection of human subjects .....	18
11. Management and reporting of adverse events/adverse reactions.....	18
12. Plans for disseminating and communicating study results.....	18
13. References .....	19
Annex 1. List of stand-alone documents .....	22
Annex 2. ENCePP Checklist for Study Protocols .....	23
Annex 3. Additional information .....	31
Codes for diagnoses, drugs, and laboratory measurements used to identify study variables in Denmark.....	31
Codes for diagnoses, and drugs used to identify study variables in the United Kingdom (CPRD) .....	35

## 2. List of abbreviations

AUPD	Aarhus University Prescription Database
BCDSP	Boston Collaborative Drug Surveillance Program
CKD	Chronic kidney disease
CPRD	Clinical Practice Research Datalink
eGFR	Estimated glomerular filtration rate
EMA	European Medicines Agency
EU	European Union
GP	General practitioner
HbA1c	Glycated haemoglobin A1c
LABKA	The Laboratory Information Systems for North and Central Denmark Regions
MDRD	Modified of Diet in Renal Disease
S <sub>cr</sub>	Serum creatinine
UK	United Kingdom

### 3. Responsible parties

Role	Department of Clinical Epidemiology, Aarhus University Hospital (contractor)	Boston Collaborative Drug Surveillance Program (subcontractor)
Principal investigator	Henrik Toft Sørensen, MD, PhD, DMSc	Susan S. Jick, DSc
Coordinating investigator	Vera Ehrenstein, MPH, DSc	
Epidemiologist	Christian F. Christiansen, MD, PhD	Lin Li, MD, PhD
Statistician	Stine Skovbo, MSc	
Expert endocrinologist	Helene Nørrelund, MD, PhD	

## 4. Abstract

### Title

Metformin use in renal impairment; Version 2; Main author: Christian Fynbo Christiansen

**Rationale and background:** Metformin is a first-line treatment for most patients with type 2 diabetes mellitus, but contraindicated in patients with certain acute and chronic conditions – including chronic renal dysfunction – because of the feared risk of lactic acidosis. While different guidelines agree on the recommendation to discontinue use of metformin in patients with a glomerular filtration rate (GFR) below 30 ml/min, guidelines differ on the renal impairment threshold that should trigger cautious use and potential dose reduction, with recommended GFR thresholds varying between 60 or 45 ml/min. Use and safety of metformin in patients with renal impairment differs worldwide.

**Research question and objectives:** The three objectives of this project are: 1) to conduct a systematic review of literature relevant to metformin use and renal impairment, 2) to conduct a series of epidemiologic analyses among pharmacologically treated type 2 diabetes patients to examine prevalence of renal impairment in metformin users, use of metformin according to stage of renal impairment, and safety with regard to change in renal function, discontinuation/switching of antidiabetic treatment, and lactic acidosis, 3) to disseminate the study findings.

**Study design:** The project includes a systematic review, and uses data from routine health databases to conduct cross-sectional analyses of drug utilization, and cohort analyses of safety outcomes.

**Population:** The study population will be patients with medically treated type 2 diabetes from Denmark and the United Kingdom. The combined source population comprises 6.9 million persons.

**Variables:** Use of metformin and other hypoglycaemic drugs will be identified by issued (the UK) and filled (Denmark) prescriptions. Renal function will be assessed and staged by the estimated glomerular filtration rate (eGFR) computed from creatinine measurements, age, and sex. Lactic acidosis will be captured by relevant diagnostic codes. Covariates, including comorbidity, comedication, and labs will also be obtained from the databases under study.

**Data sources:** The Danish health and administrative registries covering the population of the North and the Central Denmark Regions and the Clinical Practice Research Datalink (CPRD) covering ~6% of the UK population.

**Study size:** We expect to include 250,000 metformin users from the two countries.

**Data analysis:** The drug utilization analysis will describe characteristics of new and prevalent metformin users and non-users with regard to renal function, demographics, comorbidity, and comedication. Similarly, the characteristics will be described according to level of renal impairment. Incidence rate of lactic acidosis will be estimated for metformin users and non-users, and compared using Cox regression when number of events is sufficient.

**Milestones:** The systematic review was completed on 31 October 2013. The interim report on study results will be submitted to EMA by 31 March 2014. The final report is scheduled to be submitted by 31 May 2014, and a manuscript is expected to be submitted by 31 July 2014.

## 5. Amendments and updates

Write "None" or indicate any substantial amendment and update to the study protocol **after the start of data collection** in a table as indicated below.

Number	Date	Section of study protocol	Amendment or update	Reason
1	Date	Text	Text	Text
2	Date	Text	Text	Text
...	Date	Text	Text	Text

## 6. Milestones

	Milestone	Planned completion
D 1	Report on a systematic review of the literature on the use of metformin in renal impairment (manuscript format)	30 September 2013
D 2a	Preliminary study protocol	30 September 2013
	Feedback received from EMA on preliminary protocol	15 October 2013
D 2b	Final study protocol submitted for ENCePP seal	31 October 2013
D 3a	Interim report on study results submitted to EMA	31 March 2014
	Feedback from EMA on interim report	15 April 2014
D 3b	Final report on study results	31 May 2014
D 4	Manuscript describing the design, main results and conclusions of the study suitable for submission to a peer-reviewed medical journal.	31 July 2014

## 7. Rationale and background

Metformin is a widely used oral glucose-lowering drug for treatment of type 2 diabetes mellitus, approved in European countries in the 1950s.<sup>1;2</sup> While metformin is a first-line treatment for most patients with type 2 diabetes mellitus, it is contraindicated in patients with certain acute and chronic conditions – such as severe infections, cardiac or respiratory failure, shock, and in chronic renal or hepatic dysfunction – because of the feared risk of lactic acidosis.<sup>3</sup> Lactic acidosis is, however, rare and there is no clear-cut evidence that it is more frequent in metformin users compared with patients treated with other glucose-lowering drugs.<sup>4;5</sup>

Metformin is eliminated through renal excretion.<sup>6</sup> Patients with renal impairment may therefore be prone to its side effects. Consequently, guidelines recommend cautious use of metformin in patients with renal impairment, and severe renal impairment is a contraindication for metformin use.<sup>3</sup> While different guidelines agree on the recommendation to discontinue use of metformin in patients with a glomerular filtration rate (GFR) below 30 ml/min, guidelines differ on the renal impairment threshold that should trigger cautious use and potential dose reduction, with recommended GFR thresholds varying between 60 or 45 ml/min.<sup>2;3;7-9</sup> Nevertheless, it has been shown that one-fourth of metformin users have potential contraindications for the drug, including renal impairment, and that one-fourth of patients with renal impairment continued metformin despite reduced renal function.<sup>10</sup> With the conflicting recommendations and utilization patterns, it is important to describe the use and safety of metformin in patients with renal impairment.

This study was commissioned by The European Medicines Agency (EMA or 'the Agency') with the aim to assess the use and safety of metformin in patients with and without renal insufficiency in current clinical practice in at least two EU Member States. This assessment is intended to add evidence to help reassess and unify the guidelines for use of metformin in patients with renal insufficiency.

## 8. Research question and objectives

The three objectives listed below address the use and safety of metformin in patients with renal impairment. Objective 1 is a review of the literature with the aim to address worldwide utilization patterns of metformin with renal impairment. For objective 2, we will characterise the use (extent and dosing) of metformin in renal-impaired patients in Denmark and UK taking account of EU prescribing guidance. This will include examining the severity of impairment while taking into account concomitant medications and co-morbidities, in particular those that might reduce renal excretion of metformin. In addition, the associated risk of lactic acidosis will be quantified. Finally, objective 3 will ensure dissemination of the results from this study.

The specific objectives are:

- **Objective 1:** To conduct a systematic review of literature relevant to metformin use and renal impairment



- **Objective 2:** To conduct a series of epidemiologic analyses among pharmacologically treated type 2 diabetes patients to examine:
  - a. Prevalence of renal impairment and other characteristics among new and prevalent users of metformin (via a cross-sectional drug utilization study design).
  - b. Use of metformin in patients with type 2 diabetes according to stage of renal function impairment (via a cross-sectional drug utilization study design).
  - c. Safety of metformin with regard to development or progression of renal impairment, and discontinuation/switching of antidiabetic treatment; and with respect to lactic acidosis (using cohort study design).
- **Objective 3:** To disseminate the study findings to potentially aid the Agency by providing evidence to review current regulatory guidelines of metformin use among patients with renal impairment

## 9. Research methods

### 9.1. Study design

We will conduct a cross-sectional descriptive drug utilization study of metformin use and a cohort study with follow-up to assess risks for predefined outcomes progression of renal disease and lactic acidosis in metformin users compared with an appropriate comparator of non-users. Given the update status of the two databases, the study population identification period will be 2000 through 2010 (Denmark)/and 2000 through 2011 (the UK) in order to allow at least one year of prescription data before study start and at least one year of follow-up for all included patients. The follow-up will be through 31.12.2011 in Denmark and through 31.6.2012 in the UK.

### 9.2. Setting

The source population for the study will be male and female residents of Denmark and United Kingdom (UK) – the two EU member states covered by relevant medical databases (see section 9.4). The study population will consist of patients with medically treated type 2 diabetes, defined as persons with at least one prescription for an antidiabetic medication aged 30 years or older at time of first recorded prescription. The study population was restricted to patients aged 30 years or older to exclude people with polycystic ovary syndrome and type 1 diabetes, which both are frequently diagnosed under age 30. Only patients with at least one year of prescription history before the index date (study entry or start of follow-up) will be included in order to have an observable washout period for identification of new users. In addition, we will require patients to have at least one measurement of creatinine before study inclusion in order to assess baseline renal function. In Denmark, the study population will be restricted to residents of the North and the Central Denmark regions covered by the Aarhus University Research Database, which includes information on filled prescriptions and laboratory data.<sup>11;12</sup> In the United Kingdom, the study population will be restricted to patients treated by

general practitioners participating in the Clinical Practice Research Datalink (CPRD),<sup>13;14</sup> and who meet the study criteria.

### **9.3. Variables**

#### **Use of metformin and other antidiabetic agents**

Users of metformin will be identified from routine databases that record general-practitioner (GP)-issued prescriptions for metformin (the UK) or dispensed outpatient prescriptions for metformin (Denmark, DK). We will identify all patients who filled at least one prescription for metformin during the study population identification period. New users of metformin will be defined as patients without any prescription for metformin within 365 days before the first metformin prescription ('washout period'=365 days). Otherwise users of metformin will be considered prevalent users. Metformin users will be further stratified by metformin monotherapy and metformin combination therapy including both patients using fixed metformin combinations and patients who are prescribed concurrent hypoglycaemic drugs. Non-users of metformin will include all patients who receive a non-metformin hypoglycaemic drug (including sulfonylurea, insulin, glitazones, and other antidiabetics), but who did not have a prescription for metformin during the study population identification period.

The index date (start of the follow-up) will be the date of first prescription in new users of an antidiabetic drug during the study period; for the prevalent users, the index date will be the 1 January 2000. In Denmark for each patient with at least two prescriptions for metformin, we will estimate the initial daily dose of metformin on the index date. Mean daily dose for the initial prescription will be calculated by dividing the total amount dispensed on the index date by the number of days before the second metformin prescription. Total amount dispensed will be calculated by multiplying the tablet strength by the number of tablets dispensed. For all prescriptions during the study period, we will estimate the mean daily metformin dose using the cumulative dose in all prescriptions divided by the number of days of use. In the CPRD we will estimate initial daily dose from the pill strength multiplied by the number taken each day.

#### **Renal function and renal impairment**

For each patient, we will identify all recorded serum creatinine laboratory values. The creatinine values will be used to assess renal function by calculating estimated glomerular filtration rates (eGFR)<sup>15</sup> at baseline and during follow-up. We will use the 4-variable MDRD equation, which provides estimates of eGFR based on serum creatinine, age, race and sex.<sup>15;16</sup>

The MDRD equation for estimating eGFR is:

$$\text{eGFR} = 186 \times S_{\text{cr}}^{-1.154} \times \text{age}^{-0.203} \times 1.212 \text{ [if black]} \times 0.742 \text{ [if female]}^{16}$$

Since neither of the databases under study contains data on race, the eGFR calculation will assume Caucasian race for all persons in the study. Since the vast majority of Danish and UK citizens are Caucasian this should not present material distortion in the results. Based on eGFR, kidney function will be classified as follows (corresponding to the criteria for chronic kidney disease):

1. Stage 1 and 2 chronic kidney disease (eGFR  $\geq$  60 ml/min/1.73m<sup>2</sup>)
2. Stage 3a chronic kidney disease (eGFR 45-59 ml/min/1.73m<sup>2</sup>)
3. Stage 3b chronic kidney disease (eGFR 30-44 ml/min/1.73m<sup>2</sup>)
4. Stage 4 chronic kidney disease (eGFR 15-29 ml/min/1.73m<sup>2</sup>)
5. Stage 5 chronic kidney disease (eGFR <15 ml/min/1.73m<sup>2</sup>)

### **Lactic acidosis**

We will identify patients who have a recorded inpatient or outpatient diagnosis of lactic acidosis in the Danish National Registry of Patients or in the CPRD. To assess the validity of diagnostic codes, if sufficient number of laboratory measurements is available, we will conduct a validation of the diagnosis using lactate measurements in the laboratory databases. For this validation we will include two definitions of lactic acidosis by using all available lab measurements during the admission: 1) lactate  $\geq$  5 mmol/l and pH  $\leq$  7.35<sup>5;17</sup>, or 2) lactate  $\geq$  2 mmol/l.

### **Covariates**

We will identify the following additional variables from the available data sources to be used as covariates/descriptive characteristics in the analyses. All variables will be measured as of the index date, with appropriate look-back periods as follows:

1. Age at the index date
2. Sex
3. Glycated haemoglobin A1c (HbA1c) level closest measurement within a clinically meaningful period before the index date
4. Time since first recorded antidiabetic drug prescription until the study entry date as a proxy for diabetes duration (categorized as < 1 year; 1-<3 years; 3+ years)
5. Five-year history of potential contraindications for metformin, including recorded diagnoses of: diabetic ketoacidosis, liver disease, severe infections, shock, respiratory failure, and alcohol-related diseases
6. Other chronic diseases, including each of the conditions in the Charlson Comorbidity Index, except for diabetes and diabetes with organ complications<sup>18;19</sup>
7. Concomitant medication including: other antidiabetic medications, NSAIDs, and antihypertensives, antiretroviral medications, aspirin (acetylsalicylic acid)

## **9.4. Data sources**

### **Danish health and administrative registries**

The source population is residents of the North and the Central Denmark regions, with a combined population of about 1.8 million persons or 1/3 of the total Danish population. Data on users of metformin and other antidiabetic drugs are linkable on the individual level from the data sources described below to analyse utilization patterns and disease stability.

The Aarhus University Prescription Database<sup>11</sup> records all reimbursed prescriptions dispensed in community (outpatient) pharmacies of the northern Denmark. Nearly all prescriptions for antidiabetic medications are eligible for general reimbursement and are therefore recorded in this database; more than 98% of antidiabetic medications are sold in the primary sector, and are therefore expected to be recorded in this database. Currently the available data cover the period up to 2011.

The Laboratory Information Systems for North and Central Denmark Regions (LABKA)<sup>12</sup> tracks all hospital-performed laboratory tests, including those sent to hospital laboratories by general practice. Available data include the test name and IUPAC-code, the result, the measurement unit, the dates of ordering and carrying each test. The current inclusive coverage periods are October 1999 to December 2011 for the Central Region, and from 1997 to 2011 for the North Region.

The Danish Central Personal Registry<sup>20;21</sup> covers the entire Danish population and has registered, since 1968, vital status and migration of Danish residents. The registry supplies a unique identifier used to individually link data from different sources.

The Danish National Registry of Patients<sup>22</sup> covers the entire Danish population and has registered hospitalizations since 1977, including outpatient visits since 1995. Up to 20 discharge diagnoses are recorded for each hospital contact, using the International Classification of Diseases 10th revision (ICD-10) since 1994 and ICD-8 in the earlier period. This registry will be used to measure comorbidities and prevalence of contraindications among users of metformin in northern Denmark. Several published studies of metformin have been published based on data from the Danish registries.<sup>23-26</sup>

### **The Clinical Practice Research Datalink (CPRD)**

The CPRD (formerly known as General Practice Research Database) is an ongoing longitudinal database that collects data from over 500 general practices in the UK since 1987. It covers ~6% of the UK population and the age, gender and race/ethnicity distribution is representative of the UK population. This database will be accessed through the Boston Collaborative Drug Surveillance Program (BCDSP). The BCDSP has received the anonymised raw data generated by the GPs since the CPRD was first established. Validation showed that more than 90% of information from the manual medical records present in the GP's office and the indication for more than 95% of newly prescribed drugs was present in the computer file, and also that medical diagnoses from consultant physicians were recorded with high reliability.<sup>13</sup> The CPRD data housed at the BCDSP are updated annually, so that the most recent data will never be

more than 15 months out-of date. The data are recorded using multiple data screens or files. These include the registration, drug, laboratory data, and event files, and files containing additional clinical details. Several published studies of metformin have been published based on data from the CPRD.<sup>4;27-33</sup>

### **9.5. Study size**

The study will be conducted using two databases: data linked from medical registries in Northern Denmark and the Clinical Practice Research Datalink (CPRD) in the United Kingdom. The total population size covered by the databases is 6.9 million persons.

DATABASE	COUNTRY	INDIVIDUALS
Data linked from health and administrative registries in northern Denmark	Denmark	1,924,724
Clinical Practice Research Datalink (CPRD)	United Kingdom	5 Million
	TOTAL	6.9 Million

With an estimated diabetes prevalence of at least 5%, we will expect to include 345,000 patients with type 2 diabetes. We expect to include approximately 50,000 metformin users from Denmark. From the UK, we expect to include around 200,000 metformin users. The rate of lactic acidosis is low: around 3.3 cases per 100,000 person-years,<sup>4</sup> so with an assumed median follow-up time of 7.5 years among the 250,000 metformin users, we would expect to find approximately 62 patients with lactic acidosis.

### **9.6. Data management**

Data will be extracted and linked from routine health care databases and kept on secure servers according to the standard operating procedures of the academic institutions with which the two study sites are affiliated (Aarhus University Hospital and Boston University School of Public Health). Within each study site, data quality assurance will be performed by cross tabulation. The data management programmers and statisticians will generate and conduct quality control review of the interim and final tables and listings for study report. Data management and analyses will be done using SAS Statistical Software Version 9 (Cary, NC, USA).

## 9.7. Data analysis

### Drug utilization analysis

First, we will describe characteristics at baseline (index date) of new and prevalent metformin users and non-users, including:

- Prevalence of renal impairment as classified by estimated glomerular filtration rate (eGFR) using the relevant baseline creatinine measurement
- Initial mean daily dose of metformin (for users of metformin only)
- Mean daily dose of metformin over the study period
- Age at index date
- Sex
- Duration of diabetes
- Mean HbA1c measured in a clinically meaningful period (within 6 or 12 months before the index date).
- History of potential contraindications for metformin (recorded diagnoses of diabetic ketoacidosis, liver disease, severe infections, shock, respiratory failure, and alcohol-related diseases)
- Charlson Comorbidity index score (score of 0, 1, 2, 3, 4+)
- Prevalence of each of the comorbid conditions in the Charlson Comorbidity Index<sup>18;19</sup> (except diabetes and diabetes with organ complications)
- Concomitant medications within 90 days before index date

Second, we will describe the aforementioned characteristics according to the five levels of severity of renal impairment (based on eGFR level, as defined above) at baseline.

The drug utilization study will be conducted including the entire study period, and separately for each calendar year during the study period to assess potential temporal trends in utilisation of metformin.

### Assessment of lactic acidosis and change in kidney function

#### Lactic acidosis

**Incidence estimation.** For the lactic acidosis outcome, we will report incidence rates for metformin users and the comparator group (users of other hypoglycaemics) with 95% confidence intervals (CI). We will compare the rates by estimating hazard ratios and associated 95% CI, using Cox proportional hazard regression adjusted for potential confounders. We will do the analyses overall and stratified by CKD stage, if the number of events is sufficient ( $\geq 5$  per category). To calculate rates of lactic acidosis we will sum person-time for each member of the study from the day of first prescription for metformin/antidiabetic drug until the first of the following occurs: treatment cessation or

switching, death, diagnosis of lactic acidosis, emigration, or end of follow up on 31 December 2011/2012 (Denmark/UK).

**Case series description.** Lactic acidosis is a rare event; even the published meta-analyses with a large combined number of patients could not leverage sufficient power to meaningfully estimate its occurrence. Despite involvement of two large databases in this study, the number of cases may still be insufficient to estimate adjusted incidence rates and rate ratios of lactic acidosis in metformin users and non-users, especially since this association is likely to be confounded by several important risk factors and control of multiple risk factors may not be possible. To fully describe the lactic acidosis with respect to the underlying risk factors, while taking advantage of the available population-based data, we will identify all the cases of lactic acidosis observed in the treated diabetes patients in our study and provide descriptive statistics with respect to all relevant measured characteristics, including use of metformin and other hypoglycaemic agents; comorbidity (including liver disease, alcohol-related disease, and malignancy); renal impairment; co-medication (including anti-retrovirals and aspirin); current acute conditions (shock, severe infection, respiratory failure) and demographics, and provide brief case summaries for each.

### **Change in kidney function**

For each patient in the study we will determine baseline renal function from lab values present in the data files within a clinically relevant (6 months or 1 year) period prior to the first metformin or other hypoglycaemic drug prescription. Each patient will then be followed forward in time and each subsequent measured serum creatinine value will be used to estimate eGFR values and to determine kidney function. We will determine the rate of declining kidney function in users of metformin vs. users of other hypoglycaemics.

We will identify all patients whose eGFRs fall below 60, 45, and 30, and among these we will determine whether users of metformin switch to another hypoglycaemic drug.

- We will examine progression of renal impairment via the following endpoints:
  - Worsening of renal function as reflected by decline in eGFR that results in progressions to a worse stage of CKD compared with the CKD stage at baseline (dichotomous variable)
  - Improvement of renal function as reflected by increase in eGFR that results in progressions to a lower stage of CKD compared with the CKD stage at baseline (dichotomous variable)
  - Need for chronic renal failure therapy (transplantation or dialysis)
  - Dichotomous outcome of progression to stage 4 or 5 CKD, stratified by baseline stage if possible
- Discontinuation/switching of current antidiabetic drug

The proposed approach will allow evaluation of renal function at the start of antidiabetic treatment and its progression in different treatment groups. By comparing progression of renal disease among users of metformin and users of other drugs, an inference can be made about

whether changes in recommendations for metformin use are warranted, taking into account the pre-existing characteristics of each exposure cohort.

Annex 3 lists codes for diagnoses, drugs, and laboratory measurements used to identify study variables.

## **9.8. Quality control**

### **Aarhus University Hospital**

All data management and analyses are performed by trained statistician familiar with the structure and contents of the Danish National Registries. Epidemiologists and statisticians work closely together to ensure correct clinical definitions and data integrity. The project statistician works under close supervision of a senior statistician and can draw on the Department's collective expertise to address project-specific issues. Each report that is sent outside the Department of Clinical Epidemiology must be approved by professor- or associate-professor level senior epidemiologist.

Data on dispensed prescriptions in the AUPD is collected for reimbursement using bar code scans, thus minimizing the probability of error. Data in the LABKA database are of high quality and are used as gold standard to validate information on laboratory data from other sources.

Data on medical diagnoses in the Danish National Registry of Patients generally have acceptable validity and completeness for use in epidemiologic studies. Specifically, the Charlson Comorbidity Index diagnoses in this registry have high quality.

### **Boston Collaborative Drug Surveillance Program**

#### *Identifying a study population*

For each study the researchers define the criteria for inclusion in the study population.

For example, each member of the study population must have at least 1 year of recorded data in the electronic record prior to receipt of the first study drug. After creation of the population by a BCDSB programmer, a researcher will review a random sample of electronic case records ("profiles") to be sure that all criteria have been successfully fulfilled. That is, all members of the population have received a prescription for a study drug, have adequate pre-drug data, etc.

#### *Study outcome identification*

After the study population passes this quality check, study outcomes are then defined and identified from within this population. Depending on the study, study outcome definitions can be straight forward or quite complicated. In all instances, however, a sample of patient profiles is reviewed to validate the study outcome ascertainment process and definition. Were the correct codes used? Were exclusion and inclusion criteria properly applied? Often every



patient profile with study outcomes is reviewed by a researcher to ensure that all cases meet all study criteria.

#### *Creation of the analysis file*

Once the study population has been created and study outcomes have been identified, an analysis file is created. This file is created by the researcher in conjunction with a programmer, where the researcher defines all study variables and covariates and the programmer extracts the data from the data files to create a dataset for use in all data analyses. Each variable is checked against a random sample of patient profiles to be sure that they have been correctly coded. For example, where presence of certain diseases is defined the researcher checks to be sure that they were coded correctly. All exposure variables are checked to ensure proper coding for each study conducted.

#### *Laboratory data validation*

We will identify all serum creatinine and HbA1c values occurred within a clinically relevant period before the index date and any time during follow-up. We will review the units of measurement associated with the lab values listed in the computerized medical records of the study population. Then we will review any records with obvious outliers to validate their values in relevant units and discard any clearly erroneous entries. Finally we will review lab entries (values and units of measurement) for a random sample of 50 subjects in the computerized medical records to confirm that the values are coded correctly and are consistent with relevant units.

#### *Data analysis*

We will be creating cross tabulations of the various exposure-outcome relations and checking them against the results of the regression analyses.

### **9.9. Limitations of the research methods**

The study includes virtually complete population-based data from Denmark and a representative sample of general practices in the UK, thereby minimizing selection bias.

The potential for information bias should, however, be considered. Estimation of eGFR depends on quality of laboratory data. The laboratory data are virtually complete, but estimation of eGFR depends on steady state of serum creatinine, which is difficult to assess using the available data. However, the restriction to outpatient measurement will remove any influence by severe acute illness. A further limitation is that we will restrict the study population to people with both baseline and follow-up creatinine values. The implications of this selection bias will be discussed in the report.

Exact creatinine clearance (CrCl) is rarely measured, and we therefore need to rely on the estimation by one of the widely used equations to calculate eGFR. To consistently conduct analysis in both datasets we will evaluate renal function via eGFR only and discuss potential implications of using eGFR in the report. The Cockcroft-Gault equation requires body weight for

calculation of estimated CrCl and eGFR. Body weight data is not available in Denmark and is not complete in the UK CPRD. Thus, we will have limited information for eGFR if we use the Cockcroft-Gault equation. It is reported that eGFR calculated by the modified MDRD equation is often more accurate and precise than the Cockcroft-Gault equation, and the CKD-EPI equation is equivalent to or even more accurate than the MDRD study equation, especially at higher GFR.<sup>3</sup> In the first protocol we had proposed using the CKD-EPI equation.<sup>34</sup> However, the CKD-EPI equation was developed for use only with standardized creatinine values. Most of our study period in both Denmark and the UK, includes non-standardized creatinine values which would make it more prudent to use the MDRD equation (for non-standardized creatinine values) for estimating eGFR.<sup>16</sup>

We will use issued/filled prescriptions as a proxy for antidiabetic drug use which is assumed to be reasonable as non-adherence is expected to be low for these drugs.

To our knowledge, there is no formal validation of the diagnosis of lactic acidosis. However, the diagnosis is expected to have high positive predictive value while it may have low completeness especially for less severe cases. Any misclassification could be differential as clinicians may be more likely to identify and code lactic acidosis in metformin users, due to the concern of this side effect. We will address accuracy of coding using laboratory data on blood lactate to confirm the diagnosis.

#### **9.10. Other aspects**

Not applicable

### **10. Protection of human subjects**

In Denmark, the study is approved by the Danish Data Protection Agency (jr. numbers: 2006-53-1346 and 2006-53-1396). This observational study does not require ethical committee approval in Denmark because the study does not involve direct contact with patients. In the UK we will obtain ethical approval from the CPRD's Independent Scientific Advisory Committee.

### **11. Management and reporting of adverse events/adverse reactions**

Not applicable

### **12. Plans for disseminating and communicating study results**

The Interim and the Final report on study results, along with the systematic review will be submitted to the Agency. Based on the systematic review and the final report of study results, two standard scientific manuscripts will be prepared for publication in an international peer-reviewed journal.

### 13. References

- (1) Standards of medical care in diabetes--2013. *Diabetes Care*. 2013;36 Suppl 1:S11-S66.
- (2) Nathan DM, Buse JB, Davidson MB et al. Medical management of hyperglycemia in type 2 diabetes: a consensus algorithm for the initiation and adjustment of therapy: a consensus statement of the American Diabetes Association and the European Association for the Study of Diabetes. *Diabetes Care*. 2009;32(1):193-203.
- (3) Core Safety Profile - Metformin hydrochloride .  
[http://www.bfarm.de/SharedDocs/1\\_Downloads/EN/vigilance/csp/m-p/metformin-hydrochloride.pdf?\\_\\_blob=publicationFile](http://www.bfarm.de/SharedDocs/1_Downloads/EN/vigilance/csp/m-p/metformin-hydrochloride.pdf?__blob=publicationFile). 24-3-2010.

Ref Type: Online Source

- (4) Bodmer M, Meier C, Krahenbuhl S, Jick SS, Meier CR. Metformin, sulfonylureas, or other antidiabetes drugs and the risk of lactic acidosis or hypoglycemia: a nested case-control analysis. *Diabetes Care*. 2008;31(11):2086-2091.
- (5) Salpeter SR, Greyber E, Pasternak GA, Salpeter EE. Risk of fatal and nonfatal lactic acidosis with metformin use in type 2 diabetes mellitus. *Cochrane Database Syst Rev*. 2010;(4):CD002967.
- (6) Lipska KJ, Bailey CJ, Inzucchi SE. Use of metformin in the setting of mild-to-moderate renal insufficiency. *Diabetes Care*. 2011;34(6):1431-1437.
- (7) National Institute for Health and Clinical Excellence. The Management of Type 2 Diabetes: 2010 NICE Guidelines [Internet]. <http://www.nice.org.uk/> [serial online] 2010.
- (8) Canadian Diabetes Association. Clinical practice guidelines [Internet]. <http://www.diabetes.ca/files/cpg2008/cpg-2008.pdf> [serial online] 2018.
- (9) National evidence based guidelines for blood glucose control in type 2 diabetes. [Internet]. [http://www.nhmrc.gov.au/\\_files\\_nhmrc/file/publications/synopses/di19-diabetes-blood-glucose-control.pdf](http://www.nhmrc.gov.au/_files_nhmrc/file/publications/synopses/di19-diabetes-blood-glucose-control.pdf) [serial online] 2009.
- (10) Emslie-Smith AM, Boyle DI, Evans JM, Sullivan F, Morris AD. Contraindications to metformin therapy in patients with Type 2 diabetes--a population-based study of adherence to prescribing guidelines. *Diabet Med*. 2001;18(6):483-488.
- (11) Ehrenstein V, Antonsen S, Pedersen L. Existing data sources for clinical epidemiology: Aarhus University Prescription Database. *Clin Epidemiol*. 2010;2:273-279.

- (12) Grann AF, Erichsen R, Nielsen AG, Froslev T, Thomsen RW. Existing data sources for clinical epidemiology: The clinical laboratory information system (LABKA) research database at Aarhus University, Denmark. *Clin Epidemiol*. 2011;3:133-138.
- (13) Jick H, Jick SS, Derby LE. Validation of information recorded on general practitioner based computerised data resource in the United Kingdom. *BMJ*. 1991;302(6779):766-768.
- (14) Jick SS, Kaye JA, Vasilakis-Scaramozza C et al. Validity of the general practice research database. *Pharmacotherapy*. 2003;23(5):686-689.
- (15) KDIGO 2012 Clinical Practice Guideline for the Evaluation and Management of Chronic Kidney Disease. *Kidney Int*. 2013;3(1).
- (16) Levey AS, Coresh J, Balk E et al. National Kidney Foundation practice guidelines for chronic kidney disease: evaluation, classification, and stratification. *Ann Intern Med*. 2003;139(2):137-147.
- (17) Stades AM, Heikens JT, Erkelens DW, Holleman F, Hoekstra JB. Metformin and lactic acidosis: cause or coincidence? A review of case reports. *J Intern Med*. 2004;255(2):179-187.
- (18) Charlson ME, Pompei P, Ales KL, MacKenzie CR. A new method of classifying prognostic comorbidity in longitudinal studies: development and validation. *J Chronic Dis*. 1987;40(5):373-383.
- (19) Thygesen SK, Christiansen CF, Christensen S, Lash TL, Sorensen HT. The predictive value of ICD-10 diagnostic coding used to assess Charlson comorbidity index conditions in the population-based Danish National Registry of Patients. *BMC Med Res Methodol*. 2011;11(1):83.
- (20) Pedersen CB, Gotzsche H, Moller JO, Mortensen PB. The Danish Civil Registration System. A cohort of eight million persons. *Dan Med Bull*. 2006;53(4):441-449.
- (21) Pedersen CB. The danish civil registration system. *Scand J Public Health*. 2011;2011/08/04(7 Suppl):22-25.
- (22) Lynge E, Sandegaard JL, Rebolj M. The Danish National Patient Register. *Scand J Public Health*. 2011;39(7 Suppl):30-33.
- (23) Horsdal HT, Sondergaard F, Johnsen SP, Rungby J. Antidiabetic treatments and risk of hospitalisation with myocardial infarction: a nationwide case-control study. *Pharmacoepidemiol Drug Saf*. 2011;20(4):331-337.
- (24) Horsdal HT, Johnsen SP, Sondergaard F, Rungby J. Type of preadmission glucose-lowering treatment and prognosis among patients hospitalised with myocardial infarction: a nationwide follow-up study. *Diabetologia*. 2008;51(4):567-574.
- (25) Bosco JL, Antonsen S, Sorensen HT, Pedersen L, Lash TL. Metformin and incident breast cancer among diabetic women: a population-based case-control study in Denmark. *Cancer Epidemiol Biomarkers Prev*. 2011;20(1):101-111.

- (26) Christiansen CF, Johansen MB, Christensen S, JM OB, Tonnesen E, Sorensen HT. Preadmission metformin use and mortality among intensive care patients with diabetes: a cohort study. *Crit Care*. 2013;17(5):R192.
- (27) Bodmer M, Becker C, Jick SS, Meier CR. Metformin does not alter the risk of lung cancer: a case-control analysis. *Lung Cancer*. 2012;78(2):133-137.
- (28) Bodmer M, Becker C, Meier C, Jick SS, Meier CR. Use of antidiabetic agents and the risk of pancreatic cancer: a case-control analysis. *Am J Gastroenterol*. 2012;107(4):620-626.
- (29) Bodmer M, Becker C, Meier C, Jick SS, Meier CR. Use of metformin is not associated with a decreased risk of colorectal cancer: a case-control analysis. *Cancer Epidemiol Biomarkers Prev*. 2012;21(2):280-286.
- (30) Bodmer M, Becker C, Meier C, Jick SS, Meier CR. Use of metformin and the risk of ovarian cancer: a case-control analysis. *Gynecol Oncol*. 2011;123(2):200-204.
- (31) Imfeld P, Bodmer M, Jick SS, Meier CR. Metformin, other antidiabetic drugs, and risk of Alzheimer's disease: a population-based case-control study. *J Am Geriatr Soc*. 2012;60(5):916-921.
- (32) Becker C, Meier CR, Jick SS, Bodmer M. Case-control analysis on metformin and cancer of the esophagus. *Cancer Causes Control*. 2013;24(10):1763-1770.
- (33) Becker C, Jick SS, Meier CR, Bodmer M. Metformin and the risk of endometrial cancer: a case-control analysis. *Gynecol Oncol*. 2013;129(3):565-569.
- (34) Levey AS, Stevens LA, Schmid CH et al. A new equation to estimate glomerular filtration rate. *Ann Intern Med*. 2009;150(9):604-612.

## **Annex 1. List of stand-alone documents**

None

## Annex 2. ENCePP Checklist for Study Protocols

**Study title:**

**Study reference number:**

N/A

<b><u>Section 1: Milestones</u></b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Page Number(s)</b>
1.1 Does the protocol specify timelines for				
1.1.1 Start of data collection <sup>1</sup>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
1.1.2 End of data collection <sup>2</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7
1.1.3 Study progress report(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	7
1.1.4 Interim progress report(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7
1.1.5 Registration in the EU PAS register	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
1.1.6 Final report of study results.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7

Comments:

<b><u>Section 2: Research question</u></b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Page Number(s)</b>
2.1 Does the formulation of the research question and objectives clearly explain:				
2.1.1 Why the study is conducted? (e.g. to address an important public health concern, a risk identified in the risk management plan, an emerging safety issue)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8
2.1.2 The objective(s) of the study?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8,9

<sup>1</sup> Date from which information on the first study is first recorded in the study dataset or, in the case of secondary use of data, the date from which data extraction starts.

<sup>2</sup> Date from which the analytical dataset is completely available.

<b>Section 2: Research question</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Page Number(s)</b>
2.1.3 The target population? (i.e. population or subgroup to whom the study results are intended to be generalised)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8
2.1.4 Which formal hypothesis(-es) is (are) to be tested?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2.1.5 If applicable, that there is no <i>a priori</i> hypothesis?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Comments:

<b>Section 3: Study design</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Page Number(s)</b>
3.1 Is the study design described? (e.g. cohort, case-control, randomised controlled trial, new or alternative design)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9
3.2 Does the protocol specify the primary and secondary (if applicable) endpoint(s) to be investigated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10,11
3.3 Does the protocol describe the measure(s) of effect? (e.g. relative risk, odds ratio, deaths per 1000 person-years, absolute risk, excess risk, incidence rate ratio, hazard ratio, number needed to harm (NNH) per year)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15,16

Comments:

<b>Section 4: Source and study populations</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Page Number(s)</b>
4.1 Is the source population described?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9
4.2 Is the planned study population defined in terms of:				
4.2.1 Study time period?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9,10



<b><u>Section 4: Source and study populations</u></b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Page Number(s)</b>
4.2.2 Age and sex?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9,10
4.2.3 Country of origin?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9,10
4.2.4 Disease/indication?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9,10
4.2.5 Co-morbidity?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9,10
4.2.6 Seasonality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4.3 Does the protocol define how the study population will be sampled from the source population? (e.g. event or inclusion/exclusion criteria)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10

Comments:

--

<b><u>Section 5: Exposure definition and measurement</u></b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Page Number(s)</b>
5.1 Does the protocol describe how exposure is defined and measured? (e.g. operational details for defining and categorising exposure)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10,11
5.2 Does the protocol discuss the validity of exposure measurement? (e.g. precision, accuracy, prospective ascertainment, exposure information recorded before the outcome occurred, use of validation sub-study)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10,11,12,18
5.3 Is exposure classified according to time windows? (e.g. current user, former user, non-use)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10
5.4 Is exposure classified based on biological mechanism of action and taking into account the pharmacokinetics and pharmacodynamics of the drug?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14
5.5 Does the protocol specify whether a dose-dependent or duration-dependent response is measured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14

Comments:

--

<b><u>Section 6: Endpoint definition and measurement</u></b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Page Number(s)</b>
6.1 Does the protocol describe how the endpoints are defined and measured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10,11
6.2 Does the protocol discuss the validity of endpoint measurement? (e.g. precision, accuracy, sensitivity, specificity, positive predictive value, prospective or retrospective ascertainment, use of validation sub-study)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11,18

Comments:

<b><u>Section 7: Confounders and effect modifiers</u></b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Page Number(s)</b>
7.1 Does the protocol address known confounders? (e.g. collection of data on known confounders, methods of controlling for known confounders)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12
7.2 Does the protocol address known effect modifiers? (e.g. collection of data on known effect modifiers, anticipated direction of effect)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12

Comments:

<b><u>Section 8: Data sources</u></b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Page Number(s)</b>
8.1 Does the protocol describe the data source(s) used in the study for the ascertainment of:				
8.1.1 Exposure? (e.g. pharmacy dispensing, general practice prescribing, claims data, self-report, face-to-face interview, etc.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12
8.1.2 Endpoints? (e.g. clinical records, laboratory markers or values, claims data, self-report, patient interview including scales and questionnaires, vital statistics, etc.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12
8.1.3 Covariates?				

<b>Section 8: Data sources</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Page Number(s)</b>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12
8.2 Does the protocol describe the information available from the data source(s) on:				
8.2.1 Exposure? (e.g. date of dispensing, drug quantity, dose, number of days of supply prescription, daily dosage, prescriber)				
8.2.2 Endpoints? (e.g. date of occurrence, multiple event, severity measures related to event)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12
8.2.3 Covariates? (e.g. age, sex, clinical and drug use history, co-morbidity, co-medications, life style, etc.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12
8.3 Is a coding system described for:				
8.3.1 Diseases? (e.g. International Classification of Diseases (ICD)-10)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12
8.3.2 Endpoints? (e.g. Medical Dictionary for Regulatory Activities (MedDRA) for adverse events)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12
8.3.3 Exposure? (e.g. WHO Drug Dictionary, Anatomical Therapeutic Chemical (ATC) Classification System)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12
8.4 Is the linkage method between data sources described? (e.g. based on a unique identifier or other)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12

Comments:

<b>Section 9: Study size and power</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Page Number(s)</b>
9.1 Is sample size and/or statistical power calculated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13

Comments:

We estimated the number of observations available for analyses in the two databases

<b>Section 10: Analysis plan</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Page Number(s)</b>
10.1 Does the plan include measurement of excess risks?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
10.2 Is the choice of statistical techniques described?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14
10.3 Are descriptive analyses included?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14
10.4 Are stratified analyses included?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14
10.5 Does the plan describe methods for adjusting for confounding?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14
10.6 Does the plan describe methods addressing effect modification?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Comments:

--

<b>Section 11: Data management and quality control</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Page Number(s)</b>
11.1 Is information provided on the management of missing data?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
11.2 Does the protocol provide information on data storage? (e.g. software and IT environment, database maintenance and anti-fraud protection, archiving)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14
11.3 Are methods of quality assurance described?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16
11.4 Does the protocol describe possible quality issues related to the data source(s)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18
11.5 Is there a system in place for independent review of study results?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18

Comments:

--

<b><u>Section 12: Limitations</u></b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Page Number(s)</b>
12.1 Does the protocol discuss:				
12.1.1 Selection biases?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18
12.1.2 Information biases?  (e.g. anticipated direction and magnitude of such biases, validation sub-study, use of validation and external data, analytical methods)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18
12.2 Does the protocol discuss study feasibility? (e.g. sample size, anticipated exposure, duration of follow-up in a cohort study, patient recruitment)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13
12.3 Does the protocol address other limitations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18

Comments:

<b><u>Section 13: Ethical issues</u></b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Page Number(s)</b>
13.1 Have requirements of Ethics Committee/Institutional Review Board approval been described?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
13.2 Has any outcome of an ethical review procedure been addressed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
13.3 Have data protection requirements been described?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19

Comments:

<b><u>Section 14: Amendments and deviations</u></b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Page Number(s)</b>
14.1 Does the protocol include a section to document future amendments and deviations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7

Comments:

<b>Section 15: Plans for communication of study results</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Page Number(s)</b>
15.1 Are plans described for communicating study results (e.g. to regulatory authorities)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7,19
15.2 Are plans described for disseminating study results externally, including publication?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19

Comments:

Name of the main author of the protocol: Christian Fynbo Christiansen, MD, PhD

Date: 30/110/:

Signature: 

## Annex 3. Additional information

### *Codes for diagnoses, drugs, and laboratory measurements used to identify study variables in Denmark*

		Data source
<b>Diagnosis codes</b>		
	<b>ICD-10</b>	Danish National Registry of Patients
Lactic acidosis	E872A	
Diabetic ketoacidosis	E101, E111, E121, E131, E141	
Liver disease	B150, B160, B162, B18, B190, I85, K700-K704, K70.9, K71, K72, K73, K74, K760, K766	
Severe infections		
- Pneumonia	J12–J18, A48.1, A70.9	
- Sepsis	A021, A392, A40, A41, A427, B377, R572	
- Other severe infection	A00–A49 (without A48.1), A80–A89, B15–B24, G00–G07, I30.1, I32.0, I33, I38,  I400, J00–J06, J36, J39.0, J851, J86, K574, K578, K61, K630, K650, K659, K750, K751, N10,  N12, N151	
Shock	A419A, A483, O083, O751, R57, T634F, T780, D805, T811B, T882, T886	
Respiratory failure	J80, J96	
Alcohol-related diseases	F107–F109, K860, K70, K292, G621, G721, G312, I426	

Malignancy	C00-C96	
<b>Diagnosis codes for Charlson Comorbidity Index conditions</b>		
Myocardial infarction	I21;I22;I23	
Congestive heart failure	I50; I11.0; I13.0; I13.2	
Peripheral vascular disease	I70; I71; I72; I73; I74; I77	
Cerebrovascular disease	I60-I69; G45; G46	
Dementia	F00-F03; F05.1; G30	
Chronic pulmonary disease	J40-J47; J60-J67; J68.4; J70.1; J70.3; J84.1; J92.0; J96.1; J98.2; J98.3	
Connective tissue disease	M05; M06; M08; M09;M30;M31; M32; M33; M34; M35; M36; D86	
Ulcer disease	K22.1; K25-K28	
Mild liver disease	B18; K70.0-K70.3; K70.9; K71; K73; K74; K76.0	
Hemiplegia	G81; G82	
Moderate to severe renal disease	I12; I13; N00-N05; N07; N11; N14; N17-N19; Q61	
Any tumor	C00-C75	
Leukemia	C91-C95	
Lymphoma	C81-C85; C88; C90; C96	
Moderate to severe liver disease	B15.0; B16.0; B16.2; B19.0; K70.4; K72; K76.6; I85	
Metastatic solid tumor	C76-C80	
AIDS	B21-B24	
Drug codes according to Anatomical Therapeutic Classification (ATC).		
Drug name (generic)	ATC code	Aarhus University



All antidiabetic drugs	A10A, A10B	Prescription Database
- Insulins	A10A	
- Metformin	A10BA02	
- Sulfonylureas	A10BB, A10BC	
- Other antidiabetic drugs	A10B without A10BA02, A10BB, A10BC	
NSAIDs	M01A	
Antihypertensives	C02	
- Beta blockers	C07	
- Thiazides	C03AA	
- ACE-inhibitors/ATII-antagonists	C09A, C09C	
- Calcium channel blockers	C08	
- Spironolactone	C03D	
Anti-retrovirals (nucleoside reverse-transcriptase inhibitors)	J05AF	
Aspirin (acetylsalicylic acid)	N02BA	
Blood test codes (Nomenclature for Properties and Units (NPU)-CODES and local analysis codes):		
Blood test	NPU/analysis code	LABKA Database
HbA1c	NPU03835, DNK35249, AAB00091, AAA00740, AAB00061, NPU02307, NPU27300, AAB00092	
Creatinine	NPU18016, NPU01807, NPU04998, ASS00356, ASS00354, ASS00355. Analysis numbers: 716, 1155, 1807, 4998, 5224, 18016, 38926, 38927, 38928, 110266, 111016, 1311235, 1411235, 1511235, 1511236, 1511237, 1610154, 1610296, 1611807, 1710301, 1710552, 1711807,	

	1811807, 1817156, 1817428	
Platelets	NPU03568	
Bilirubin	NPU01370	
Lactate	ASS00113, ASS00120, ASS00121, ASS00930, NPU02544, NPU03942, NPU03943, NPU03944, NPU17374, NPU18325, NPU22097, NPU22098. Analysis numbers: 3943,3944,110255,113943,151 1609,1813944	
pH	24041, ASS00050, NPU02412, NPU03995, NPU12474, NPU03995, NPU12490, NPU12489, NPU12492. Analysis numbers: 432,1094,1108,3617,3630,3643 ,3995,9210,10016,12474,12490 ,12496,17147,111026,111027,1 22061,1311113,132203113222 51,1324062,1411113,1411374, 1422131,1422251,1424062,151 0923,1511062,1524072,161036 8,1622194,1622284,1713995,1 722182,1722661,1817280,1817 287,1817304,1817507,1817513 ,1822022,1822182,1822187	

<b>Charlson Comorbidity Index condition</b>	<b>ICD10</b>	<b>Data source</b>
Myocardial infarction	I21;I22;I23	
Congestive heart failure	I50; I11.0; I13.0; I13.2	
Peripheral vascular disease	I70; I71; I72; I73; I74; I77	
Cerebrovascular disease	I60-I69; G45; G46	
Dementia	F00-F03; F05.1; G30	
Chronic pulmonary disease	J40-J47; J60-J67; J68.4; J70.1; J70.3; J84.1; J92.0; J96.1; J98.2; J98.3	
Connective tissue disease	M05; M06; M08; M09;M30;M31; M32; M33; M34; M35; M36;	

	D86	
Ulcer disease	K22.1; K25-K28	
Mild liver disease	B18; K70.0-K70.3; K70.9; K71; K73; K74; K76.0	
Diabetes type1	E10.0, E10.1; E10.9	
Diabetes type2	E11.0; E11.1; E11.9	
Hemiplegia	G81; G82	
Moderate to severe renal disease	I12; I13; N00-N05; N07; N11; N14; N17-N19; Q61	
Diabetes with end organ damage type1	E10.2-E10.8	
type2	E11.2-E11.8	
Any tumor	C00-C75	
Leukemia	C91-C95	
Lymphoma	C81-C85; C88; C90; C96	
Moderate to severe liver disease	B15.0; B16.0; B16.2; B19.0; K70.4; K72; K76.6; I85	
Metastatic solid tumor	C76-C80	
AIDS	B21-B24	

**Codes for diagnoses, and drugs used to identify study variables in the United Kingdom (CPRD)**

Lactic Acidosis

RC362200 Lactic acidosis  
RC362300 Lactic acidaemia

Diabetic Ketoacidosis

C101.00 Diabetes mellitus with ketoacidosis  
C101000 Diabetes mellitus; juvenile type; with ketoacidosis  
C101100 Diabetes mellitus, adult onset, with ketoacidosis  
C101y00 Other specified diabetes mellitus with ketoacidosis  
C101z00 Diabetes mellitus NOS with ketoacidosis  
C103.00 Diabetes mellitus with ketoacidotic coma  
C103000 Diabetes mellitus; juvenile type; with ketoacidotic coma  
C103100 Diabetes mellitus, adult onset, with ketoacidotic coma

C103z00	Diabetes mellitus NOS with ketoacidotic coma
C10A100	Malnutrition-related diabetes mellitus with ketoacidosis
C10EM00	Type 1 diabetes mellitus with ketoacidosis
C10EM11	Type I diabetes mellitus with ketoacidosis
C10EN00	Type 1 diabetes mellitus with ketoacidotic coma
C10EN11	Type I diabetes mellitus with ketoacidotic coma
C10FN00	Type 2 diabetes mellitus with ketoacidosis
C10FP00	Type 2 diabetes mellitus with ketoacidotic coma

#### Liver disease

#### Viral hepatitis

A700.00	Viral hepatitis A with coma
A702000	Acute hep B with delta-agent (coinfection) with hep coma
A704.00	Other specified viral hepatitis with coma
A704000	Viral hepatitis C with coma
J622.00	Hepatic coma
A707.00	Chronic viral hepatitis
A707000	Chronic viral hepatitis B with delta-agent
A707100	Chronic viral hepatitis B without delta-agent
A707200	Chronic viral hepatitis C
A707X00	Chronic viral hepatitis, unspecified

#### Alcoholic liver disease (excluding alcoholic hepatic failure)

J610.00	Alcoholic fatty liver
J611.00	Acute alcoholic hepatitis
J612.00	Alcoholic cirrhosis of liver
J612.11	Florid cirrhosis

J612.12 Laennec's cirrhosis  
J612000 Alcoholic fibrosis and sclerosis of liver  
J613.00 Alcoholic liver damage unspecified  
J617.00 Alcoholic hepatitis  
J617000 Chronic alcoholic hepatitis

#### Toxic liver disease

J635.00 Toxic liver disease  
J635000 Toxic liver disease with cholestasis  
J635100 Toxic liver disease with hepatic necrosis  
J635200 Toxic liver disease with acute hepatitis  
J635300 Toxic liver disease with chronic persistent hepatitis  
J635400 Toxic liver disease with chronic lobular hepatitis  
J635500 Toxic liver disease with chronic active hepatitis  
J635600 Toxic liver disease with fibrosis and cirrhosis of liver  
J635X00 Toxic liver disease; unspecified

#### Hepatic failure

J600000 Acute hepatic failure  
J600011 Acute liver failure  
J601000 Subacute hepatic failure  
J613000 Alcoholic hepatic failure  
J625.00 [X] Hepatic failure  
J625.11 [X] Liver failure  
J62y.11 Hepatic failure NOS  
J62y.12 Liver failure NOS  
J62y.13 Hepatic failure  
J635700 Acute hepatic failure due to drugs

SP14200 Hepatic failure as a complication of care  
SP14211 Liver failure as a complication of care

Chronic hepatitis, not elsewhere classified

J614.00 Chronic hepatitis  
J614000 Chronic persistent hepatitis  
J614100 Chronic active hepatitis  
J614111 Autoimmune chronic active hepatitis  
J614200 Chronic aggressive hepatitis  
J614300 Recurrent hepatitis  
J614400 Chronic lobular hepatitis  
J614y00 Chronic hepatitis unspecified  
J614z00 Chronic hepatitis NOS

Fibrosis and cirrhosis of liver

J61..00 Cirrhosis and chronic liver disease  
J61y300 Portal fibrosis without cirrhosis  
J61y400 Hepatic fibrosis  
J61y500 Hepatic sclerosis  
J61y600 Hepatic fibrosis with hepatic sclerosis  
J615.00 Cirrhosis - non alcoholic  
J615.11 Portal cirrhosis  
J615000 Unilobular portal cirrhosis  
J615100 Multilobular portal cirrhosis  
J615111 Postnecrotic cirrhosis of liver  
J615200 Mixed portal cirrhosis  
J615300 Diffuse nodular cirrhosis  
J615400 Fatty portal cirrhosis  
J615500 Hypertrophic portal cirrhosis

J615600	Capsular portal cirrhosis
J615700	Cardiac portal cirrhosis
J615711	Congestive cirrhosis
J615800	Juvenile portal cirrhosis
J615811	Childhood function cirrhosis
J615812	Indian childhood cirrhosis
J615900	Pigmentary portal cirrhosis
J615A00	Pipe-stem portal cirrhosis
J615B00	Toxic portal cirrhosis
J615C00	Xanthomatous portal cirrhosis
J615D00	Bacterial portal cirrhosis
J615E00	Cardituberculous cirrhosis
J615F00	Syphilitic portal cirrhosis
J615G00	Zooparasitic portal cirrhosis
J615H00	Infectious cirrhosis NOS
J615y00	Portal cirrhosis unspecified
J615z00	Non-alcoholic cirrhosis NOS
J615z11	Macronodular cirrhosis of liver
J615z12	Cryptogenic cirrhosis of liver
J615z13	Cirrhosis of liver NOS
J615z14	Laennec's cirrhosis; non-alcoholic
J615z15	Hepatic fibrosis
J616.00	Biliary cirrhosis
J616000	Primary biliary cirrhosis
J616100	Secondary biliary cirrhosis
J616200	Biliary cirrhosis of children
J616z00	Biliary cirrhosis NOS
J622.11	Encephalopathy - hepatic
J624.00	Hepatorenal syndrome
C310400	Glycogenosis with hepatic cirrhosis

## Other diseases of liver

J61y.00	Other non-alcoholic chronic liver disease
J61y000	Chronic yellow liver atrophy
J61y100	Non-alcoholic fatty liver
J61y700	Steatosis of liver
J61y800	Nonalcoholic steatohepatitis
J61yz00	Other non-alcoholic chronic liver disease NOS
J61z.00	Chronic liver disease NOS
J62y.00	Other sequelae of chronic liver disease
J623.00	Portal hypertension
SP14300	Hepatorenal syndrome as a complication of care

## Oesophageal varices

G85..11	Oesophageal varices
G850.00	Oesophageal varices with bleeding
G851.00	Oesophageal varices without bleeding
G852.00	Oesophageal varices in diseases EC
G852000	Oesophageal varices with bleeding in diseases EC
G852100	Oesophageal varices without bleeding in diseases EC
G852200	Oesophageal varices in cirrhosis of the liver
G852300	Oesophageal varices in alcoholic cirrhosis of the liver
G852z00	Oesophageal varices in diseases EC NOS

## Severe infections

### Pneumonia

H2...00	Pneumonia and influenza
---------	-------------------------



H20..00	Viral pneumonia
H20..11	Chest infection - viral pneumonia
H200.00	Pneumonia due to adenovirus
H201.00	Pneumonia due to respiratory syncytial virus
H202.00	Pneumonia due to parainfluenza virus
H20y.00	Viral pneumonia NEC
H20z.00	Viral pneumonia NOS
H21..00	Lobar (pneumococcal) pneumonia
H21..11	Chest infection - pneumococcal pneumonia
H22..00	Other bacterial pneumonia
H22..11	Chest infection - other bacterial pneumonia
H220.00	Pneumonia due to klebsiella pneumoniae
H221.00	Pneumonia due to pseudomonas
H222.00	Pneumonia due to haemophilus influenzae
H222.11	Pneumonia due to haemophilus influenzae
H223.00	Pneumonia due to streptococcus
H223000	Pneumonia due to streptococcus, group B
H224.00	Pneumonia due to staphylococcus
H22y.00	Pneumonia due to other specified bacteria
H22y000	Pneumonia due to escherichia coli
H22y100	Pneumonia due to proteus
H22y200	Pneumonia - Legionella
H22yX00	Pneumonia due to other aerobic gramnegative bacteria
H22yz00	Pneumonia due to bacteria NOS
H22z.00	Bacterial pneumonia NOS
H23..00	Pneumonia due to other specified organisms
H23..11	Chest infection - pneumonia organism NOS
H230.00	Pneumonia due to Eaton's agent
H231.00	Pneumonia due to mycoplasma pneumoniae
H233.00	Chlamydial pneumonia

H23z.00	Pneumonia due to specified organism NOS
H24..00	Pneumonia with infectious diseases EC
H24..11	Chest infection with infectious disease EC
H240.00	Pneumonia with measles
H241.00	Pneumonia with cytomegalic inclusion disease
H242.00	Pneumonia with ornithosis
H243.00	Pneumonia with whooping cough (with pertussis as well)
H243.11	Pneumonia with pertussis
H246.00	Pneumonia with aspergillosis
H247000	Pneumonia with candidiasis
H24y.00	Pneumonia with other infectious diseases EC
H24y000	Pneumonia with actinomycosis
H24y100	Pneumonia with nocardiasis
H24y200	Pneumonia with pneumocystis carinii
H24y300	Pneumonia with Q-fever
H24y400	Pneumonia with salmonellosis
H24y600	Pneumonia with typhoid fever
H24y700	Pneumonia with varicella
H24yz00	Pneumonia with other infectious diseases EC NOS
H24z.00	Pneumonia with infectious diseases EC NOS
H25..00	Bronchopneumonia due to unspecified organism
H25..11	Chest infection – unspecified bronchopneumonia
H26..00	Pneumonia due to unspecified organism
H26..11	Chest infection - pneumonia due to unspecified organism
H260.00	Lobar pneumonia due to unspecified organism
H261.00	Basal pneumonia due to unspecified organism
H270.00	Influenza with pneumonia
H270.11	Chest infection - influenza with pneumonia
H270000	Influenza with bronchopneumonia
H270100	Influenza with pneumonia, influenza virus identified

H270z00	Influenza with pneumonia NOS
Hyu0800	[X]Other viral pneumonia
Hyu0A00	[X]Other bacterial pneumonia
H28..00	Atypical pneumonia
H2y..00	Other specified pneumonia or influenza
H2z..00	Pneumonia or influenza NOS
A022200	Salmonella pneumonia
A116.00	Tuberculous pneumonia
A521.00	Varicella pneumonitis
A54x400	Herpes simplex pneumonia
A551.00	Postmeasles pneumonia
A730.00	Ornithosis with pneumonia
A785000	Cytomegaloviral pneumonitis
AB24.11	Pneumonia - candidal
AD04.00	Toxoplasma pneumonitis
H530200	Gangrenous pneumonia
H530300	Abscess of lung with pneumonia
A3By400	Pleuropneumonia-like organism (PPLO) infection

#### Sepsis

A021.00	Salmonella septicaemia
A202.00	Septicaemic plague
A270100	Listeria septicaemia
A362000	Acute meningococcaemia
A362.00	Meningococcal septicaemia
A365.00	Meningococcal meningitis with acute meningococcal septicaem
A366.00	Meningococcal meningitis with meningococcal septicaemia
A545.00	Herpes simplex septicaemia
A98yz12	Gonococcal septicaemia

A98yz11	Gonococcaemia NOS
AB2y300	Candidal septicaemia
R055500	[D]Septic shock
R055511	[D]Septicaemic shock
A38..00	Septicaemia
A380.00	Streptococcal septicaemia
A380000	Septicaemia due to streptococcus, group A
A380100	Septicaemia due to streptococcus, group B
A380300	Septicaemia due to streptococcus pneumoniae
A380400	Septicaemia due to enterococcus
A380500	Vancomycin resistant enterococcal septicaemia
A381.00	Staphylococcal septicaemia
A381000	Septicaemia due to Staphylococcus aureus
A381100	Septicaemia due to coagulase-negative staphylococcus
A382.00	Pneumococcal septicaemia
A383.00	Septicaemia due to anaerobes
A383000	Fusobacterial necrotising tonsillitis
A383011	Lemierre's syndrome
A384.00	Septicaemia due to other gram negative organisms
A384000	Gram negative septicaemia NOS
A384100	Haemophilus influenzae septicaemia
A384200	Escherichia coli septicaemia
A384211	E.coli septicaemia
A384300	Pseudomonas septicaemia
A384400	Serratia septicaemia
A38y.00	Other specified septicaemias
A38z.00	Septicaemia NOS
A38z.11	Sepsis
H5y0100	Tracheostomy sepsis
Q404y00	Other specified umbilical sepsis

Q404z00 Umbilical sepsis NOS  
A272100 Pasteurella septic infection (cat or dogbite)  
R106.00 [D]Unspecified bacteraemia  
R107.00 [D]Unspecified viraemia

#### Other severe infection

A00xxxx – A40xxxx

A42xxxx

A4yxxxx

A4zxxxx

A70xxxx

A788xxx

A789xxx

F00xxxx

F01xxxx

F02xxxx

F03xxxx (except F034xxx, F036xxx)

F04xxxx

A412.00 Subacute sclerosing panencephalitis

A520.00 Postvaricella encephalitis

A530.00 Herpes zoster with meningitis

A531400 Zoster encephalitis

A543.00 Herpetic meningoencephalitis

A54x100 Herpes simplex meningitis

A550.00 Postmeasles encephalitis

A553.00 Measles complicated by meningitis

A560100 Rubella encephalomyelitis

A62..00 Mosquito-borne viral encephalitis

A620.00	Japanese encephalitis
A622.00	Eastern equine encephalitis
A623.00	St. Louis encephalitis
A62y.11	Ilheus virus encephalitis
A63..00	Tick-borne viral encephalitis
A630.00	Russian spring-summer (taiga) encephalitis
A721.00	Mumps meningitis
A722.00	Mumps encephalitis
A918000	Acute secondary syphilitic meningitis
A942.00	Syphilitic meningitis
A98y100	Gonococcal meningitis
AB2y200	Candidal meningitis
AB40100	Histoplasma capsulatum with meningitis
AB65200	Cryptococcal meningitis
Ayu8C00	[X]Other viral meningitis
Ayu8D00	[X]Viral meningitis, unspecified
AD00.00	Toxoplasma meningoencephalitis
AE20.00	Late effects of viral encephalitis
F286.15	Myalgic encephalomyelitis
F286.16	ME - Myalgic encephalomyelitis

#### Heart infections

G500000	Acute pericarditis - coxsackie
G500100	Acute pericarditis - meningococcal
G500200	Acute pericarditis - syphilitic
G500300	Acute pericarditis - tuberculous

G500311 TB - acute pericarditis  
G500500 Acute pericarditis - gonococcal  
G50z111 Viral pericarditis NOS  
G50z200 Acute pericarditis - pneumococcal  
G50z300 Acute pericarditis - staphylococcal  
G50z400 Acute pericarditis - streptococcal  
G50z500 Acute purulent pericarditis unspecified  
G50z511 Pyopericardium  
G51xxxx  
G520100 Acute myocarditis - coxsackie  
G520200 Acute myocarditis - diphtheritic  
G520300 Acute myocarditis - influenzal  
G520400 Acute myocarditis - syphilitic  
G520500 Acute myocarditis - toxoplasmosis  
G520600 Acute myocarditis - tuberculous  
G520700 Acute myocarditis - meningococcal  
G52y300 Septic myocarditis - pneumococcal  
G52y400 Septic myocarditis - staphylococcal  
G52y500 Septic myocarditis - streptococcal  
G52y600 Septic myocarditis NOS

#### Respiratory infections

H00xxxx  
H01xxxx  
H02xxxx  
H03xxxx

H04xxxx  
H05xxxx  
H50xxxx  
H15..00 Peritonsillar abscess - quinsy  
H15..11 Quinsy  
H1y2200 Parapharyngeal abscess  
H1y2300 Retropharyngeal abscess  
H530300 Abscess of lung with pneumonia

Infections in digestive system

J512800 Divertic disease/both sml+lge intestin with perforat+abscess  
J54..00 Abscess of anal and rectal regions  
J54..11 Cellulitis - anus or rectum  
J54..12 Rectal abscess  
J540.00 Perianal abscess  
J540.11 Perianal cellulitis  
J541.00 Ischiorectal abscess  
J542.00 Submucous ano-rectal abscess  
J543.00 Pelvi-rectal abscess  
J544.00 Ano-rectal fissure abscess  
J545.00 Intrasphincteric abscess  
J546.00 Rectal abscess  
J54z.00 Ano-rectal abscess NOS  
J550.00 Peritonitis in infectious diseases EC  
J550000 Peritonitis - gonococcal  
J550100 Peritonitis - syphilitic



J550200	Peritonitis - tuberculous
J550300	Peritonitis - bacterial
J550400	Chlamydial peritonitis
J550z00	Peritonitis in infectious diseases EC NOS
J551.00	Pneumococcal peritonitis
J552.00	Other suppurative peritonitis
J552.11	Abscess of suppurative peritonitis
J552000	Subhepatic abscess
J552100	Subphrenic abscess
J552200	Omental abscess
J552300	Mesenteric abscess
J552400	Peritoneal abscess
J552500	Subperitoneal abscess
J552600	Retroperitoneal abscess
J552700	Pre-ileal abscess
J552800	Pericolonic abscess
J552900	Pericaecal abscess
J552A00	Retrocaecal abscess
J552B00	Male pelvic abscess
J552C00	Iliopsoas abscess
J552C11	Abscess iliopsoas non tuberculous
J552C12	Psoas abscess
J552z00	Other suppurative peritonitis NOS
J553.00	Acute peritonitis
J55z.00	Peritonitis NOS
J575.00	Abscess of intestine
J62..00	Liver abscess and sequelae of chronic liver disease

J620.00	Liver abscess - excluding amoebic liver abscess
J620000	Liver abscess due to portal pyaemia
J620100	Liver abscess due to cholangitis
J620200	Liver abscess via hepatic artery
J620300	Liver abscess via umbilicus
J620400	Liver abscess due to direct extension
J620z00	Liver abscess NOS
J621.00	Portal pyaemia
J621.11	Phlebitis of portal vein

#### Renal infections

K08y500	Acute interstitial nephritis
K101.00	Acute pyelonephritis
K101000	Acute pyelonephritis without medullary necrosis
K101100	Acute pyelonephritis with medullary necrosis
K101200	Acute pyelitis
K101300	Acute pyonephrosis
K101z00	Acute pyelonephritis NOS
K102.00	Renal and perinephric abscess
K102000	Renal abscess
K102100	Perinephric abscess
K102200	Renal carbuncle
K102z00	Renal and perinephric abscess NOS
K03T.00	Tubulo-interstit nephritis, not specif as acute or chron
K10y.00	Pyelonephritis and pyonephrosis unspecified
K10y000	Pyelonephritis unspecified

K10y100	Pyelitis unspecified
K10y200	Pyonephrosis unspecified
K10y300	Pyelonephritis in diseases EC
K10y400	Pyelitis in diseases EC
K10yz00	Unspecified pyelonephritis NOS

## **Shock**

R055.00	[D]Shock without mention of trauma
R055000	[D]Failure of peripheral circulation
R055011	[D]Peripheral circulatory failure
R055100	[D]Cardiogenic shock
R055111	[D]Heart shock
R055200	[D]Endotoxic shock
R055300	[D]Gram-negative shock
R055400	[D]Hypovolaemic shock
R055500	[D]Septic shock
R055511	[D]Septicaemic shock
R055z00	[D]Shock without mention of trauma NOS
R3Ay100	Toxic shock syndrome
RL391.00	Obstetric shock
SP20.00	Postoperative shock
SP20.11	Collapse - postoperative NOS
SP20000	Postoperative endotoxic shock
SP20100	Postoperative septic shock
SP20200	Postoperative hypovolaemic shock
SP20z00	Postoperative shock NOS
Ryu7200	[X]Other shock
SK04.00	Traumatic shock
SN50.00	Anaphylactic shock
SN50000	Anaphylactic shock due to adverse food reaction
SN50100	Anaphy shock due/adv efect/correct drug or med proprly admin
SN54.00	Shock due to anaesthesia

SP34.00                    Anaphylactic shock due to serum

SP38000                  Septic shock due to transfusion

## Respiratory failure

R2y1.00	[D]Respiratory failure
R2y1000	[D]Cardiorespiratory failure
R2y1100	[D]Respiratory arrest
R2y1z00	[D]Respiratory failure NOS
H59..00	Respiratory failure
H590.00	Acute respiratory failure
H591.00	Chronic respiratory failure
Hy04.00	Postprocedural respiratory failure
H585.11	Adult respiratory distress syndrome
H585300	Adult respiratory distress syndrome

## Alcohol-related diseases

13Y8.00	ALCOHOLICS ANONYMOUS
8BA8.00	ALCOHOL DETOXIFICATION
8G32.00	AVERSION THERAPY - ALCOHOLISM
8H35.00	ADMITTED TO ALCOHOL DETOXIFICATION CENTRE
C150500	ALCOHOL-INDUCED PSEUDO-CUSHING'S SYNDROME
E01..00	ALCOHOLIC PSYCHOSES
E010.00	ALCOHOL WITHDRAWAL DELIRIUM
E010.11	DTS - DELIRIUM TREMENS
E010.12	DELIRIUM TREMENS
E011.00	ALCOHOL AMNESTIC SYNDROME
E011000	KORSAKOV'S ALCOHOLIC PSYCHOSIS
E011100	KORSAKOV'S ALCOHOLIC PSYCHOSIS With peripheral neuritis
E011200	WERNICKE-KORSAKOV SYNDROME
E011z00	ALCOHOL AMNESTIC SYNDROME NOS
E012.00	OTHER ALCOHOLIC DEMENTIA
E012.11	ALCOHOLIC DEMENTIA NOS
E012000	CHRONIC ALCOHOLIC BRAIN SYNDROME
E013.00	ALCOHOL WITHDRAWAL HALLUCINOSIS
E014.00	PATHOLOGICAL ALCOHOL INTOXICATION
E014.11	DRUNKENNESS - PATHOLOGICAL
E015.00	ALCOHOLIC PARANOIA
E01y.00	OTHER ALCOHOLIC PSYCHOSIS
E01y000	ALCOHOL WITHDRAWAL SYNDROME
E01yz00	OTHER ALCOHOLIC PSYCHOSIS NOS
E01z.00	ALCOHOLIC PSYCHOSIS NOS

E23..00	ALCOHOL DEPENDENCE SYNDROME
E23..11	ALCOHOLISM
E23..12	ALCOHOL PROBLEM DRINKING
E230.00	ACUTE ALCOHOLIC INTOXICATION IN ALCOHOLISM
E230.11	ALCOHOL DEPENDENCE WITH ACUTE Alcoholic intoxication
E230000	ACUTE ALCOHOLIC INTOXICATION, unspecified, in alcoholism
E230100	CONTINUOUS ACUTE ALCOHOLIC intoxication IN ALCOHOLISM
E230200	EPISODIC ACUTE ALCOHOLIC INTOXICATION IN ALCOHOLISM
E230300	ACUTE ALCOHOLIC INTOXICATION in remission, in alcoholism
E230z00	ACUTE ALCOHOLIC INTOXICATION IN ALCOHOLISM NOS
E231.00	CHRONIC ALCOHOLISM
E231.11	DIPSOMANIA
E231000	UNSPECIFIED CHRONIC ALCOHOLISM
E231100	CONTINUOUS CHRONIC ALCOHOLISM
E231200	EPISODIC CHRONIC ALCOHOLISM
E231300	CHRONIC ALCOHOLISM IN REMISSION
E231z00	CHRONIC ALCOHOLISM NOS
E23z.00	ALCOHOL DEPENDENCE SYNDROME NOS
E250.00	NONDEPENDENT ALCOHOL ABUSE
E250000	NONDEPENDENT ALCOHOL ABUSE, UNSPECIFIED
E250100	NONDEPENDENT ALCOHOL ABUSE, CONTINUOUS
E250200	NONDEPENDENT ALCOHOL ABUSE, EPISODIC
E250300	NONDEPENDENT ALCOHOL ABUSE IN REMISSION
E250z00	NONDEPENDENT ALCOHOL ABUSE NOS
Eu10.00	[X]Mental and Behavioural DISORDERS DUE TO USE OF ALCOHOL
Eu10000	[X]Mental & Behav dis due to use alcohol: ACUTE INTOXICATION
Eu10100	[X]Mental AND BEHAV DIS DUE TO USE OF ALCOHOL: harmful use



Eu10200 [X]Mental and behav DIS DUE TO USE ALCOHOL: dependence syndr  
 Eu10211 [X]ALCOHOL ADDICTION  
 Eu10212 [X]CHRONIC ALCOHOLISM  
 Eu10213 [X]DIPSOMANIA  
 Eu10300 [X]Mental and BEHAV DIS DUE TO USE ALCOHOL: withdrawal state  
 Eu10400 [X]MEN & BEHAV DIS DUE ALCOHL: withdrawal state with delirium  
 Eu10411 [X]DELIRIUM TREMENS, ALCOHOL INDUCED  
 Eu10500 [X]Mental & BEHAV DIS DUE TO USE ALCOHOL: psychotic disorder  
 Eu10511 [X]ALCOHOLIC HALLUCINOSIS  
 Eu10512 [X]ALCOHOLIC JEALOUSY  
 Eu10513 [X]ALCOHOLIC PARANOIA  
 Eu10514 [X]ALCOHOLIC PSYCHOSIS NOS  
 Eu10600 [X]Mental and behav DIS DUE TO USE ALCOHOL: amnesic syndrome  
 Eu10611 [X]KORSAKOV'S PSYCHOSIS, ALCOHOL INDUCED  
 Eu10700 [X]Men & Behav dis due alcoh: RESID & LATE-ONSET PSYCHOT DIS  
 Eu10711 [X]ALCOHOLIC DEMENTIA NOS  
 Eu10712 [X]CHRONIC ALCOHOLIC BRAIN SYNDROME  
 Eu10y00 [X]Men & Behav dis due to use alcohol: OTH MEN & BEHAV DIS  
 Eu10z00 [X]Ment & Behav dis due use alcohol: UNSP MENT & BEHAV DIS  
 F11x000 CEREBRAL DEGENERATION DUE TO ALCOHOLISM  
 F144000 CEREBELLAR ATAXIA DUE TO ALCOHOLISM  
 F375.00 ALCOHOLIC POLYNEUROPATHY  
 F394100 ALCOHOLIC MYOPATHY  
 G555.00 ALCOHOLIC CARDIOMYOPATHY  
 G852300 Oesophageal varices IN ALCOHOLIC CIRRHOSIS OF THE LIVER  
 J153.00 ALCOHOLIC GASTRITIS  
 J610.00 ALCOHOLIC FATTY LIVER

J611.00	ACUTE ALCOHOLIC HEPATITIS
J612.00	ALCOHOLIC CIRRHOSIS OF LIVER
J612.11	FLORID CIRRHOSIS
J612.12	LAENNEC'S CIRRHOSIS
J612000	ALCOHOLIC FIBROSIS AND SCLEROSIS OF LIVER
J613.00	ALCOHOLIC LIVER DAMAGE UNSPECIFIED
J613000	ALCOHOLIC HEPATIC FAILURE
J617.00	ALCOHOLIC HEPATITIS
J617000	CHRONIC ALCOHOLIC HEPATITIS
J671000	ALCOHOL-INDUCED CHRONIC PANCREATITIS
Z191.00	ALCOHOL DETOXIFICATION
Z191100	ALCOHOL WITHDRAWAL REGIME
Z191111	DRYING OUT
Z191300	CONTROLLED DRINKING REGIME
Z4B1.00	ALCOHOLISM COUNSELLING
ZV11311	[V]PROBLEMS RELATED TO LIFESTYLE ALCOHOL USE
ZV57A00	[V]ALCOHOL REHABILITATION
ZV6D600	[V]ALCOHOL ABUSE COUNSELLING AND SURVEILLANCE

#### Malignancy

B....00	1634 Neoplasms
B....11	6633 Cancers
B9...00	35 Neoplasms of uncertain behaviour
ByuE.00	2 [X]Malignant neoplasms/independent (primary) multiple sites
ByuE000	2 [X]Malignant neoplasms/independent (primary)multiple sites

Bz...00	139 Neoplasms NOS
ByuH.00	1 [X]Neoplasms of uncertain and unknown behaviour
A220.11	Malignant pustule
A788W00	HIV disease resulting in unspecified malignant neoplasm
C1z2.00	Carcinoid syndrome
F373.00	Polyneuropathy in malignant disease
B0...00	118 Malignant neoplasm of lip, oral cavity and pharynx
B0...11	186 Carcinoma of lip, oral cavity and pharynx
B00..00	214 Malignant neoplasm of lip
B00..11	61 Carcinoma of lip
B000.00	2 Malignant neoplasm of upper lip, vermilion border
B000000	2 Malignant neoplasm of upper lip, external
B001.00	2 Malignant neoplasm of lower lip, vermilion border
B001000	1 Malignant neoplasm of lower lip, external
B006.00	16 Malignant neoplasm of overlapping lesion of lip
B007.00	3 Malignant neoplasm of lip, unspecified
B00zz00	2 Malignant neoplasm of lip, vermilion border NOS
B01..00	1162 Malignant neoplasm of tongue
B010.00	15 Malignant neoplasm of base of tongue
B010.11	1 Malignant neoplasm of posterior third of tongue
B010000	1 Malignant neoplasm of base of tongue dorsal surface
B011.00	1 Malignant neoplasm of dorsal surface of tongue
B011z00	1 Malignant neoplasm of dorsum of tongue NOS
B012.00	8 Malignant neoplasm of tongue, tip and lateral border
B013.00	2 Malignant neoplasm of ventral surface of tongue
B013100	3 Malignant neoplasm of frenulum linguae
B013z00	2 Malignant neoplasm of ventral tongue surface NOS

B014.00 1 Malignant neoplasm of anterior 2/3 of tongue unspecified  
B015.00 2 Malignant neoplasm of tongue, junctional zone  
B016.00 13 Malignant neoplasm of lingual tonsil  
B017.00 11 Malignant overlapping lesion of tongue  
B01y.00 1 Malignant neoplasm of other sites of tongue  
B01z.00 20 Malignant neoplasm of tongue NOS  
B02..00 50 Malignant neoplasm of major salivary glands  
B020.00 146 Malignant neoplasm of parotid gland  
B021.00 13 Malignant neoplasm of submandibular gland  
B022.00 2 Malignant neoplasm of sublingual gland  
B02z.00 1 Malignant neoplasm of major salivary gland NOS  
B03..00 15 Malignant neoplasm of gum  
B030.00 2 Malignant neoplasm of upper gum  
B031.00 1 Malignant neoplasm of lower gum  
B03z.00 1 Malignant neoplasm of gum NOS  
B04..00 109 Malignant neoplasm of floor of mouth  
B040.00 7 Malignant neoplasm of anterior portion of floor of mouth  
B041.00 2 Malignant neoplasm of lateral portion of floor of mouth  
B042.00 14 Malignant neoplasm, overlapping lesion of floor of mouth  
B04y.00 1 Malignant neoplasm of other sites of floor of mouth  
B04z.00 7 Malignant neoplasm of floor of mouth NOS  
B05..00 469 Malignant neoplasm of other and unspecified parts of mouth  
B050.00 16 Malignant neoplasm of cheek mucosa  
B050.11 30 Malignant neoplasm of buccal mucosa  
B052.00 27 Malignant neoplasm of hard palate  
B053.00 30 Malignant neoplasm of soft palate  
B054.00 3 Malignant neoplasm of uvula

B055z00 3 Malignant neoplasm of palate NOS  
B056.00 7 Malignant neoplasm of retromolar area  
B057.00 125 Overlapping lesion of other and unspecified parts of mouth  
B05y.00 8 Malignant neoplasm of other specified mouth parts  
B05z.00 7 Malignant neoplasm of mouth NOS  
B05z000 1 Kaposi's sarcoma of palate  
B06..00 75 Malignant neoplasm of oropharynx  
B060.00 273 Malignant neoplasm of tonsil  
B060000 1 Malignant neoplasm of faucial tonsil  
B060z00 10 Malignant neoplasm tonsil NOS  
B061.00 14 Malignant neoplasm of tonsillar fossa  
B062.00 7 Malignant neoplasm of tonsillar pillar  
B062000 1 Malignant neoplasm of faucial pillar  
B062200 1 Malignant neoplasm of palatoglossal arch  
B063.00 2 Malignant neoplasm of vallecula  
B064.00 5 Malignant neoplasm of anterior epiglottis  
B064100 1 Malignant neoplasm of glossoepiglottic fold  
B065.00 3 Malignant neoplasm of junctional region of epiglottis  
B066.00 2 Malignant neoplasm of lateral wall of oropharynx  
B06y.00 1 Malignant neoplasm of oropharynx, other specified sites  
B06z.00 6 Malignant neoplasm of oropharynx NOS  
B07..00 126 Malignant neoplasm of nasopharynx  
B071000 1 Malignant neoplasm of adenoid  
B071100 14 Malignant neoplasm of pharyngeal tonsil  
B072.00 1 Malignant neoplasm of lateral wall of nasopharynx  
B072000 19 Malignant neoplasm of pharyngeal recess  
B073.00 1 Malignant neoplasm of anterior wall of nasopharynx

B074.00 1 Malignant neoplasm, overlapping lesion of nasopharynx  
B07z.00 14 Malignant neoplasm of nasopharynx NOS  
B08..00 23 Malignant neoplasm of hypopharynx  
B080.00 6 Malignant neoplasm of postcricoid region  
B081.00 22 Malignant neoplasm of pyriform sinus  
B082.00 1 Malignant neoplasm aryepiglottic fold, hypopharyngeal aspect  
B083.00 1 Malignant neoplasm of posterior pharynx  
B08z.00 5 Malignant neoplasm of hypopharynx NOS  
B0z..00 5 Malig neop other/ill-defined sites lip, oral cavity, pharynx  
B0z0.00 265 Malignant neoplasm of pharynx unspecified  
B0z2.00 80 Malignant neoplasm of laryngopharynx  
B0zy.00 4 Malignant neoplasm of other sites lip, oral cavity, pharynx  
B0zz.00 69 Malignant neoplasm of lip, oral cavity and pharynx NOS  
Byu0.00 2 [X]Malignant neoplasm of lip, oral cavity and pharynx  
B1...00 654 Malignant neoplasm of digestive organs and peritoneum  
B1...11 239 Carcinoma of digestive organs and peritoneum  
B10..00 7113 Malignant neoplasm of oesophagus  
B100.00 1 Malignant neoplasm of cervical oesophagus  
B101.00 8 Malignant neoplasm of thoracic oesophagus  
B102.00 5 Malignant neoplasm of abdominal oesophagus  
B103.00 7 Malignant neoplasm of upper third of oesophagus  
B104.00 5 Malignant neoplasm of middle third of oesophagus  
B105.00 91 Malignant neoplasm of lower third of oesophagus  
B106.00 1 Malignant neoplasm, overlapping lesion of oesophagus  
B10y.00 1 Malignant neoplasm of other specified part of oesophagus  
B10z.00 418 Malignant neoplasm of oesophagus NOS  
B10z.11 2472 Oesophageal cancer

B11..00 3661 Malignant neoplasm of stomach  
B11..11 262 Gastric neoplasm  
B110.00 75 Malignant neoplasm of cardia of stomach  
B110100 20 Malignant neoplasm of cardio-oesophageal junction of stomach  
B110z00 8 Malignant neoplasm of cardia of stomach NOS  
B111.00 9 Malignant neoplasm of pylorus of stomach  
B111000 7 Malignant neoplasm of prepylorus of stomach  
B111100 32 Malignant neoplasm of pyloric canal of stomach  
B111z00 1 Malignant neoplasm of pylorus of stomach NOS  
B112.00 26 Malignant neoplasm of pyloric antrum of stomach  
B113.00 12 Malignant neoplasm of fundus of stomach  
B114.00 32 Malignant neoplasm of body of stomach  
B115.00 26 Malignant neoplasm of lesser curve of stomach unspecified  
B116.00 4 Malignant neoplasm of greater curve of stomach unspecified  
B117.00 1 Malignant neoplasm, overlapping lesion of stomach  
B11y.00 5 Malignant neoplasm of other specified site of stomach  
B11yz00 2 Malignant neoplasm of other specified site of stomach NOS  
B11z.00 2827 Malignant neoplasm of stomach NOS  
B12..00 42 Malignant neoplasm of small intestine and duodenum  
B120.00 65 Malignant neoplasm of duodenum  
B121.00 1 Malignant neoplasm of jejunum  
B122.00 6 Malignant neoplasm of ileum  
B123.00 1 Malignant neoplasm of Meckel's diverticulum  
B12z.00 7 Malignant neoplasm of small intestine NOS  
B13..00 14288 Malignant neoplasm of colon  
B130.00 41 Malignant neoplasm of hepatic flexure of colon  
B131.00 87 Malignant neoplasm of transverse colon

B132.00 76 Malignant neoplasm of descending colon  
B133.00 871 Malignant neoplasm of sigmoid colon  
B134.00 978 Malignant neoplasm of caecum  
B134.11 148 Carcinoma of caecum  
B135.00 30 Malignant neoplasm of appendix  
B136.00 217 Malignant neoplasm of ascending colon  
B137.00 49 Malignant neoplasm of splenic flexure of colon  
B13y.00 10 Malignant neoplasm of other specified sites of colon  
B13z.00 392 Malignant neoplasm of colon NOS  
B13z.11 1536 Colonic cancer  
B14..00 217 Malignant neoplasm of rectum, rectosigmoid junction and anus  
B140.00 165 Malignant neoplasm of rectosigmoid junction  
B141.00 8519 Malignant neoplasm of rectum  
B141.11 786 Carcinoma of rectum  
B141.12 2942 Rectal carcinoma  
B142.00 136 Malignant neoplasm of anal canal  
B142.11 190 Anal carcinoma  
B142000 1 Malignant neoplasm of cloacogenic zone  
B143.00 29 Malignant neoplasm of anus unspecified  
B14y.00 3 Malig neop other site rectum, rectosigmoid junction and anus  
B14z.00 7 Malignant neoplasm rectum,rectosigmoid junction and anus NOS  
B15..00 28 Malignant neoplasm of liver and intrahepatic bile ducts  
B150.00 89 Primary malignant neoplasm of liver  
B150000 17 Primary carcinoma of liver  
B150100 37 Hepatoblastoma of liver  
B150200 1 Primary angiosarcoma of liver  
B150300 386 Hepatocellular carcinoma



B150z00 4 Primary malignant neoplasm of liver NOS  
B151.00 14 Malignant neoplasm of intrahepatic bile ducts  
B151000 1 Malignant neoplasm of interlobular bile ducts  
B151200 1 Malignant neoplasm of intrahepatic biliary passages  
B151400 3 Malignant neoplasm of intrahepatic gall duct  
B152.00 95 Malignant neoplasm of liver unspecified  
B153.00 39 Secondary malignant neoplasm of liver  
B15z.00 2 Malignant neoplasm of liver and intrahepatic bile ducts NOS  
B16..00 10 Malignant neoplasm gallbladder and extrahepatic bile ducts  
B160.00 100 Malignant neoplasm of gallbladder  
B160.11 117 Carcinoma gallbladder  
B161.00 9 Malignant neoplasm of extrahepatic bile ducts  
B161100 9 Malignant neoplasm of hepatic duct  
B161200 29 Malignant neoplasm of common bile duct  
B161211 33 Carcinoma common bile duct  
B161z00 1 Malignant neoplasm of extrahepatic bile ducts NOS  
B162.00 75 Malignant neoplasm of ampulla of Vater  
B163.00 3 Malignant neoplasm, overlapping lesion of biliary tract  
B16y.00 1 Malignant neoplasm other gallbladder/extrahepatic bile duct  
B16z.00 50 Malignant neoplasm gallbladder/extrahepatic bile ducts NOS  
B17..00 5658 Malignant neoplasm of pancreas  
B170.00 166 Malignant neoplasm of head of pancreas  
B171.00 10 Malignant neoplasm of body of pancreas  
B172.00 14 Malignant neoplasm of tail of pancreas  
B173.00 16 Malignant neoplasm of pancreatic duct  
B174.00 5 Malignant neoplasm of Islets of Langerhans  
B17z.00 118 Malignant neoplasm of pancreas NOS

B18..00 7 Malignant neoplasm of retroperitoneum and peritoneum  
 B180.00 28 Malignant neoplasm of retroperitoneum  
 B180200 1 Malignant neoplasm of retrocaecal tissue  
 B180z00 1 Malignant neoplasm of retroperitoneum NOS  
 B181.00 71 Mesothelioma of peritoneum  
 B18y.00 10 Malignant neoplasm of specified parts of peritoneum  
 B18y200 3 Malignant neoplasm of mesorectum  
 B18y300 4 Malignant neoplasm of omentum  
 B18y400 1 Malignant neoplasm of parietal peritoneum  
 B18y500 15 Malignant neoplasm of pelvic peritoneum  
 B18y600 4 Malignant neoplasm of the pouch of Douglas  
 B18y700 1 Malignant neoplasm of mesentery  
 B18yz00 1 Malignant neoplasm of specified parts of peritoneum NOS  
 B18z.00 1 Malignant neoplasm of retroperitoneum and peritoneum NOS  
 B1z..00 5 Malig neop oth/ill-defined sites digestive tract/peritoneum  
 B1z0.00 227 Malignant neoplasm of intestinal tract, part unspecified  
 B1z1.00 5 Malignant neoplasm of spleen NEC  
 B1z1100 3 Fibrosarcoma of spleen  
 B1z2.00 1 Malignant neoplasm, overlapping lesion of digestive system  
 B1zy.00 1 Malignant neoplasm other spec digestive tract and peritoneum  
 B1zz.00 9 Malignant neoplasm of digestive tract and peritoneum NOS  
 Byu1.00 20 [X]Malignant neoplasm of digestive organs  
 Byu1100 2 [X]Other specified carcinomas of liver  
 Byu1300 2 [X]Malignant neoplasm/ill-defin sites within digestive system  
 B2...00 136 Malig neop of respiratory tract and intrathoracic organs  
 B2...11 17 Carcinoma of respiratory tract and intrathoracic organs  
 B20..00 1 Malig neop nasal cavities, middle ear and accessory sinuses

B200.00 48 Malignant neoplasm of nasal cavities  
B200000 3 Malignant neoplasm of cartilage of nose  
B200200 2 Malignant neoplasm of septum of nose  
B200300 2 Malignant neoplasm of vestibule of nose  
B200z00 4 Malignant neoplasm of nasal cavities NOS  
B201.00 6 Malig neop auditory tube, middle ear and mastoid air cells  
B201200 1 Malignant neoplasm of tympanic antrum  
B202.00 13 Malignant neoplasm of maxillary sinus  
B203.00 5 Malignant neoplasm of ethmoid sinus  
B204.00 8 Malignant neoplasm of frontal sinus  
B205.00 8 Malignant neoplasm of sphenoidal sinus  
B206.00 2 Malignant neoplasm, overlapping lesion of accessory sinuses  
B20z.00 1 Malignant neoplasm of accessory sinus NOS  
B21..00 2009 Malignant neoplasm of larynx  
B210.00 51 Malignant neoplasm of glottis  
B211.00 69 Malignant neoplasm of supraglottis  
B212.00 3 Malignant neoplasm of subglottis  
B213.00 10 Malignant neoplasm of laryngeal cartilage  
B213000 3 Malignant neoplasm of arytenoid cartilage  
B213100 4 Malignant neoplasm of cricoid cartilage  
B213300 15 Malignant neoplasm of thyroid cartilage  
B214.00 2 Malignant neoplasm, overlapping lesion of larynx  
B215.00 20 Malignant neoplasm of epiglottis NOS  
B21y.00 9 Malignant neoplasm of larynx, other specified site  
B21z.00 95 Malignant neoplasm of larynx NOS  
B22..00 2204 Malignant neoplasm of trachea, bronchus and lung  
B220.00 70 Malignant neoplasm of trachea

B220z00 2 Malignant neoplasm of trachea NOS  
B221.00 743 Malignant neoplasm of main bronchus  
B221000 40 Malignant neoplasm of carina of bronchus  
B221100 21 Malignant neoplasm of hilus of lung  
B221z00 53 Malignant neoplasm of main bronchus NOS  
B222.00 277 Malignant neoplasm of upper lobe, bronchus or lung  
B222.11 62 Pancoast's syndrome  
B222000 47 Malignant neoplasm of upper lobe bronchus  
B222100 172 Malignant neoplasm of upper lobe of lung  
B222z00 20 Malignant neoplasm of upper lobe, bronchus or lung NOS  
B223.00 82 Malignant neoplasm of middle lobe, bronchus or lung  
B223000 16 Malignant neoplasm of middle lobe bronchus  
B223100 22 Malignant neoplasm of middle lobe of lung  
B223z00 5 Malignant neoplasm of middle lobe, bronchus or lung NOS  
B224.00 93 Malignant neoplasm of lower lobe, bronchus or lung  
B224000 28 Malignant neoplasm of lower lobe bronchus  
B224100 78 Malignant neoplasm of lower lobe of lung  
B224z00 9 Malignant neoplasm of lower lobe, bronchus or lung NOS  
B225.00 34 Malignant neoplasm of overlapping lesion of bronchus & lung  
B226.00 908 Mesothelioma  
B22y.00 26 Malignant neoplasm of other sites of bronchus or lung  
B22z.00 8273 Malignant neoplasm of bronchus or lung NOS  
B22z.11 17478 Lung cancer  
B23..00 23 Malignant neoplasm of pleura  
B230.00 1 Malignant neoplasm of parietal pleura  
B232.00 414 Mesothelioma of pleura  
B23z.00 43 Malignant neoplasm of pleura NOS

B24..00 2 Malignant neoplasm of thymus, heart and mediastinum  
 B240.00 29 Malignant neoplasm of thymus  
 B241000 1 Malignant neoplasm of endocardium  
 B242.00 4 Malignant neoplasm of anterior mediastinum  
 B24X.00 2 Malignant neoplasm of mediastinum, part unspecified  
 B24z.00 1 Malignant neoplasm of heart, thymus and mediastinum NOS  
 B25..00 1 Malig neo, overlapping lesion of heart, mediastinum & pleura  
 B26..00 2 Malignant neoplasm, overlap lesion of resp & intrathor orgs  
 B2z..00 3 Malig neop other/ill-defined sites resp/intrathoracic organs  
 B2z0.00 1 Malig neop of upper respiratory tract, part unspecified  
 B2zy.00 1 Malignant neoplasm of other site of respiratory tract  
 B2zz.00 4 Malignant neoplasm of respiratory tract NOS  
 Byu2.00 5 [X]Malignant neoplasm of respiratory and intrathoracic orga  
 Byu2000 13 [X]Malignant neoplasm of bronchus or lung, unspecified  
 Byu2100 1 [X]Malignant neoplasm/overlap lesion/heart,mediastinm+pleura  
 H51y700 Malignant pleural effusion  
 B3...00 246 Malig neop of bone, connective tissue, skin and breast  
 B3...11 566 Carcinoma of bone, connective tissue, skin and breast  
 B3...12 180 Sarcoma of bone and connective tissue  
 B30..00 62 Malignant neoplasm of bone and articular cartilage  
 B30..11 22 Chondroma  
 B30..12 13 Osteoma  
 B300.00 1 Malignant neoplasm of bones of skull and face  
 B300000 2 Malignant neoplasm of ethmoid bone  
 B300200 1 Malignant neoplasm of malar bone  
 B300400 1 Malignant neoplasm of occipital bone  
 B300600 1 Malignant neoplasm of parietal bone

B300700 1 Malignant neoplasm of sphenoid bone  
B300800 2 Malignant neoplasm of temporal bone  
B300900 1 Malignant neoplasm of zygomatic bone  
B300A00 44 Malignant neoplasm of maxilla  
B300C00 2 Malignant neoplasm of vomer  
B301.00 48 Malignant neoplasm of mandible  
B302.00 7 Malignant neoplasm of vertebral column  
B302000 2 Malignant neoplasm of cervical vertebra  
B302100 4 Malignant neoplasm of thoracic vertebra  
B302200 5 Malignant neoplasm of lumbar vertebra  
B302z00 1 Malignant neoplasm of vertebral column NOS  
B303.00 1 Malignant neoplasm of ribs, sternum and clavicle  
B303000 11 Malignant neoplasm of rib  
B303100 11 Malignant neoplasm of sternum  
B303200 1 Malignant neoplasm of clavicle  
B303300 2 Malignant neoplasm of costal cartilage  
B303400 1 Malignant neoplasm of costo-vertebral joint  
B303500 4 Malignant neoplasm of xiphoid process  
B304.00 2 Malignant neoplasm of scapula and long bones of upper arm  
B304000 4 Malignant neoplasm of scapula  
B304200 7 Malignant neoplasm of humerus  
B304400 1 Malignant neoplasm of ulna  
B304z00 1 Malignant neoplasm of scapula and long bones of upper arm NOS  
B305000 1 Malignant neoplasm of carpal bone - scaphoid  
B305100 1 Malignant neoplasm of carpal bone - lunate  
B306.00 6 Malignant neoplasm of pelvic bones, sacrum and coccyx  
B306000 2 Malignant neoplasm of ilium

B306100 1 Malignant neoplasm of ischium  
 B306200 2 Malignant neoplasm of pubis  
 B306300 5 Malignant neoplasm of sacral vertebra  
 B306400 4 Malignant neoplasm of coccygeal vertebra  
 B306z00 5 Malignant neoplasm of pelvis, sacrum or coccyx NOS  
 B307.00 1 Malignant neoplasm of long bones of leg  
 B307000 15 Malignant neoplasm of femur  
 B307100 1 Malignant neoplasm of fibula  
 B307200 7 Malignant neoplasm of tibia  
 B307z00 1 Malignant neoplasm of long bones of leg NOS  
 B308200 1 Malignant neoplasm of calcaneum  
 B308300 1 Malignant neoplasm of medial cuneiform  
 B308D00 3 Malignant neoplasm of phalanges of foot  
 B30W.00 1 Malignant neoplasm/overlap lesion/bone+articulr cartilage  
 B30X.00 4 Malignant neoplasm/bones+articular cartilage/limb,unspfd  
 B30z.00 144 Malignant neoplasm of bone and articular cartilage NOS  
 Byu3.00 2 [X]Malignant neoplasm of bone and articular cartilage  
 Byu3300 1 [X]Malignant neoplasm/bone+articular cartilage, unspecified  
 B31..00 138 Malignant neoplasm of connective and other soft tissue  
 B310.00 2 Malig neop of connective and soft tissue head, face and neck  
 B310000 4 Malignant neoplasm of soft tissue of head  
 B310100 5 Malignant neoplasm of soft tissue of face  
 B310200 5 Malignant neoplasm of soft tissue of neck  
 B310300 8 Malignant neoplasm of cartilage of ear  
 B310400 2 Malignant neoplasm of tarsus of eyelid  
 B311000 1 Malignant neoplasm of connective and soft tissue of shoulder  
 B311100 1 Malignant neoplasm of connective and soft tissue, upper arm

B311200 4 Malignant neoplasm of connective and soft tissue of fore-arm  
 B311300 2 Malignant neoplasm of connective and soft tissue of hand  
 B311500 2 Malignant neoplasm of connective and soft tissue of thumb  
 B312.00 1 Malig neop of connective and soft tissue of hip and leg  
 B312100 22 Malig neop of connective and soft tissue thigh and upper leg  
 B312300 2 Malig neop of connective and soft tissue of lower leg  
 B312400 1 Malignant neoplasm of connective and soft tissue of foot  
 B313.00 4 Malignant neoplasm of connective and soft tissue of thorax  
 B313000 6 Malignant neoplasm of connective and soft tissue of axilla  
 B314.00 14 Malignant neoplasm of connective and soft tissue of abdomen  
 B314000 2 Malig neop of connective and soft tissue of abdominal wall  
 B314z00 2 Malig neop of connective and soft tissue of abdomen NOS  
 B315.00 5 Malignant neoplasm of connective and soft tissue of pelvis  
 B315000 1 Malignant neoplasm of connective and soft tissue of buttock  
 B315200 2 Malignant neoplasm of connective and soft tissue of perineum  
 B315z00 2 Malig neop of connective and soft tissue of pelvis NOS  
 B316.00 1 Malig neop of connective and soft tissue trunk unspecified  
 B31z.00 36 Malignant neoplasm of connective and soft tissue, site NOS  
 Byu5.00 2 [X]Malignant neoplasm of mesothelial and soft tissue  
 Byu5000 1 [X]Mesothelioma of other sites  
 Byu5011 81 [X]Mesothelioma of lung  
 Byu5100 7 [X]Mesothelioma, unspecified  
 Byu5800 1 [X]Mal neoplasm/connective+soft tissue of trunk,unspecified  
 Byu5A00 1 [X]Malignant neoplasm overlapping lesion of skin  
 N237300 Pseudosarcomatous fibromatosis (evtl. Benign)  
 B32..00 7503 Malignant melanoma of skin  
 B321.00 6 Malignant melanoma of eyelid including canthus



B322.00 2 Malignant melanoma of ear and external auricular canal  
B322000 2 Malignant melanoma of auricle (ear)  
B323.00 9 Malignant melanoma of other and unspecified parts of face  
B323000 10 Malignant melanoma of external surface of cheek  
B323300 2 Malignant melanoma of forehead  
B323400 3 Malignant melanoma of external surface of nose  
B323500 4 Malignant melanoma of temple  
B323z00 1 Malignant melanoma of face NOS  
B324.00 8 Malignant melanoma of scalp and neck  
B324000 6 Malignant melanoma of scalp  
B324100 10 Malignant melanoma of neck  
B325.00 29 Malignant melanoma of trunk (excluding scrotum)  
B325000 7 Malignant melanoma of axilla  
B325100 39 Malignant melanoma of breast  
B325200 1 Malignant melanoma of buttock  
B325300 5 Malignant melanoma of groin  
B325600 2 Malignant melanoma of umbilicus  
B325700 16 Malignant melanoma of back  
B325800 7 Malignant melanoma of chest wall  
B325z00 7 Malignant melanoma of trunk, excluding scrotum, NOS  
B326.00 14 Malignant melanoma of upper limb and shoulder  
B326000 9 Malignant melanoma of shoulder  
B326100 17 Malignant melanoma of upper arm  
B326200 11 Malignant melanoma of fore-arm  
B326400 1 Malignant melanoma of finger  
B326500 3 Malignant melanoma of thumb  
B326z00 3 Malignant melanoma of upper limb or shoulder NOS

B327.00 70 Malignant melanoma of lower limb and hip  
B327100 20 Malignant melanoma of thigh  
B327200 7 Malignant melanoma of knee  
B327400 38 Malignant melanoma of lower leg  
B327500 6 Malignant melanoma of ankle  
B327600 4 Malignant melanoma of heel  
B327700 10 Malignant melanoma of foot  
B327800 3 Malignant melanoma of toe  
B327900 4 Malignant melanoma of great toe  
B327z00 3 Malignant melanoma of lower limb or hip NOS  
B32y.00 11 Malignant melanoma of other specified skin site  
B32z.00 133 Malignant melanoma of skin NOS  
B33..00 2543 Other malignant neoplasm of skin  
B33..11 80280 Basal cell carcinoma  
B33..12 615 Epithelioma  
B33..13 16997 Rodent ulcer  
B33..14 14 Malignant neoplasm of sebaceous gland  
B33..15 3 Malignant neoplasm of sweat gland  
B33..16 23705 Epithelioma basal cell  
B330.00 31 Malignant neoplasm of skin of lip  
B331.00 60 Malignant neoplasm of eyelid including canthus  
B331000 15 Malignant neoplasm of canthus  
B331100 3 Malignant neoplasm of upper eyelid  
B331200 18 Malignant neoplasm of lower eyelid  
B332.00 33 Malignant neoplasm skin of ear and external auricular canal  
B332000 21 Malignant neoplasm of skin of auricle (ear)  
B332100 1 Malignant neoplasm of skin of external auditory meatus

B332200 84 Malignant neoplasm of pinna NEC  
B332z00 7 Malig neop skin of ear and external auricular canal NOS  
B333.00 29 Malignant neoplasm skin of other and unspecified parts face  
B333000 65 Malignant neoplasm of skin of cheek, external  
B333100 15 Malignant neoplasm of skin of chin  
B333200 8 Malignant neoplasm of skin of eyebrow  
B333300 66 Malignant neoplasm of skin of forehead  
B333400 108 Malignant neoplasm of skin of nose (external)  
B333500 58 Malignant neoplasm of skin of temple  
B333z00 18 Malignant neoplasm skin other and unspec part of face NOS  
B334.00 8 Malignant neoplasm of scalp and skin of neck  
B334000 69 Malignant neoplasm of scalp  
B334100 24 Malignant neoplasm of skin of neck  
B335.00 21 Malignant neoplasm of skin of trunk, excluding scrotum  
B335000 2 Malignant neoplasm of skin of axillary fold  
B335100 19 Malignant neoplasm of skin of chest, excluding breast  
B335200 25 Malignant neoplasm of skin of breast  
B335300 8 Malignant neoplasm of skin of abdominal wall  
B335500 2 Malignant neoplasm of skin of groin  
B335600 2 Malignant neoplasm of skin of perineum  
B335700 38 Malignant neoplasm of skin of back  
B335800 1 Malignant neoplasm of skin of buttock  
B335900 17 Malignant neoplasm of perianal skin  
B335A00 2 Malignant neoplasm of skin of scapular region  
B335z00 9 Malignant neoplasm of skin of trunk, excluding scrotum, NOS  
B336.00 11 Malignant neoplasm of skin of upper limb and shoulder  
B336000 18 Malignant neoplasm of skin of shoulder

B336100 6 Malignant neoplasm of skin of upper arm  
 B336200 17 Malignant neoplasm of skin of fore-arm  
 B336300 30 Malignant neoplasm of skin of hand  
 B336400 5 Malignant neoplasm of skin of finger  
 B336z00 1 Malignant neoplasm of skin of upper limb or shoulder NOS  
 B337.00 56 Malignant neoplasm of skin of lower limb and hip  
 B337000 2 Malignant neoplasm of skin of hip  
 B337100 7 Malignant neoplasm of skin of thigh  
 B337200 4 Malignant neoplasm of skin of knee  
 B337400 38 Malignant neoplasm of skin of lower leg  
 B337500 2 Malignant neoplasm of skin of ankle  
 B337700 1 Malignant neoplasm of skin of foot  
 B337800 2 Malignant neoplasm of skin of toe  
 B337900 1 Malignant neoplasm of skin of great toe  
 B337z00 1 Malignant neoplasm of skin of lower limb or hip NOS  
 B339.00 157 Dermatofibrosarcoma protuberans  
 B33X.00 7 Malignant neoplasm overlapping lesion of skin  
 B33y.00 42 Malignant neoplasm of other specified skin sites  
 B33z.00 1886 Malignant neoplasm of skin NOS  
 B33z000 18 Kaposi's sarcoma of skin  
 B33z100 7 Naevoid basal cell carcinoma syndrome  
 B33z111 93 Basal cell naevus syndrome  
 Byu4.00 6 [X]Melanoma and other malignant neoplasms of skin  
 Byu4100 15 [X]Malignant melanoma of skin, unspecified  
 Byu4200 1 [X]Oth malignant neoplasm/skin of oth+unspecfd parts of face  
 Byu4300 34 [X]Malignant neoplasm of skin, unspecified  
 B34..00 29325 Malignant neoplasm of female breast

B34..11 20663 Ca female breast

B340.00 77 Malignant neoplasm of nipple and areola of female breast

B340000 23 Malignant neoplasm of nipple of female breast

B340100 7 Malignant neoplasm of areola of female breast

B340z00 4 Malignant neoplasm of nipple or areola of female breast NOS

B341.00 44 Malignant neoplasm of central part of female breast

B342.00 30 Malignant neoplasm of upper-inner quadrant of female breast

B343.00 11 Malignant neoplasm of lower-inner quadrant of female breast

B344.00 122 Malignant neoplasm of upper-outer quadrant of female breast

B345.00 18 Malignant neoplasm of lower-outer quadrant of female breast

B346.00 17 Malignant neoplasm of axillary tail of female breast

B347.00 9 Malignant neoplasm, overlapping lesion of breast

B34y.00 4 Malignant neoplasm of other site of female breast

B34yz00 3 Malignant neoplasm of other site of female breast NOS

B34z.00 1377 Malignant neoplasm of female breast NOS

B35..00 134 Malignant neoplasm of male breast

B350.00 3 Malignant neoplasm of nipple and areola of male breast

B350000 1 Malignant neoplasm of nipple of male breast

B350100 2 Malignant neoplasm of areola of male breast

B35z.00 1 Malignant neoplasm of other site of male breast

B35zz00 4 Malignant neoplasm of male breast NOS

B3y..00 10 Malig neop of bone, connective tissue, skin and breast OS

B3z..00 6 Malig neop of bone, connective tissue, skin and breast NOS

B4...00 275 Malignant neoplasm of genitourinary organ

B4...11 184 Carcinoma of genitourinary organ

Byu6.00 47 [X]Malignant neoplasm of breast

B40..00 405 Malignant neoplasm of uterus, part unspecified

B41..00 2664 Malignant neoplasm of cervix uteri  
B41..11 2252 Cervical carcinoma (uterus)  
B410.00 27 Malignant neoplasm of endocervix  
B410000 3 Malignant neoplasm of endocervical canal  
B410100 1 Malignant neoplasm of endocervical gland  
B410z00 2 Malignant neoplasm of endocervix NOS  
B411.00 8 Malignant neoplasm of exocervix  
B412.00 3 Malignant neoplasm, overlapping lesion of cervix uteri  
B41y.00 6 Malignant neoplasm of other site of cervix  
B41y000 1 Malignant neoplasm of cervical stump  
B41yz00 1 Malignant neoplasm of other site of cervix NOS  
B41z.00 154 Malignant neoplasm of cervix uteri NOS  
B420.00 37 Choriocarcinoma  
B43..00 470 Malignant neoplasm of body of uterus  
B430.00 146 Malignant neoplasm of corpus uteri, excluding isthmus  
B430200 1458 Malignant neoplasm of endometrium of corpus uteri  
B430300 7 Malignant neoplasm of myometrium of corpus uteri  
B430z00 4 Malignant neoplasm of corpus uteri NOS  
B431000 1 Malignant neoplasm of lower uterine segment  
B431z00 1 Malignant neoplasm of isthmus of uterine body NOS  
B432.00 9 Malignant neoplasm of overlapping lesion of corpus uteri  
B43y.00 8 Malignant neoplasm of other site of uterine body  
B43z.00 81 Malignant neoplasm of body of uterus NOS  
B44..00 85 Malignant neoplasm of ovary and other uterine adnexa  
B440.00 1442 Malignant neoplasm of ovary  
B440.11 2963 Cancer of ovary  
B441.00 15 Malignant neoplasm of fallopian tube

B44z.00 6 Malignant neoplasm of uterine adnexa NOS  
 B45..00 51 Malig neop of other and unspecified female genital organs  
 B450.00 39 Malignant neoplasm of vagina  
 B450100 14 Malignant neoplasm of vaginal vault  
 B450z00 3 Malignant neoplasm of vagina NOS  
 B451.00 10 Malignant neoplasm of labia majora  
 B451000 4 Malignant neoplasm of greater vestibular (Bartholin's) gland  
 B451z00 3 Malignant neoplasm of labia majora NOS  
 B452.00 3 Malignant neoplasm of labia minora  
 B453.00 4 Malignant neoplasm of clitoris  
 B454.00 227 Malignant neoplasm of vulva unspecified  
 B454.11 5 Primary vulval cancer  
 B45X.00 1 Malignant neoplasm/overlapping lesion/feml genital organs  
 B45y000 1 Malignant neoplasm of overlapping lesion of vulva  
 B45z.00 3 Malignant neoplasm of female genital organ NOS  
 Byu7.00 11 [X]Malignant neoplasm of female genital organs  
 Byu7000 1 [X]Malignant neoplasm of uterine adnexa, unspecified  
 Byu7300 1 [X]Malignant neoplasm of female genital organ, unspecified  
 D212000 Xxx Anaemia in ovarian carcinoma  
 L241.00 Tumour of uterine body in pregnancy/childbirth/puerperium  
 L241000 Tumour of uterine body affecting obstetric care  
 L241100 Tumour of uterine body - baby delivered  
 L241300 Tumour of uterine body complicating a/n care,baby not deliv  
 L241z00 Uterine body tumour in pregnancy/childbirth/puerperium NOS  
 B46..00 40106 Malignant neoplasm of prostate  
 B47..00 300 Malignant neoplasm of testis  
 B470.00 12 Malignant neoplasm of undescended testis

B470200 57 Seminoma of undescended testis  
B470300 22 Teratoma of undescended testis  
B471.00 11 Malignant neoplasm of descended testis  
B471000 278 Seminoma of descended testis  
B471100 173 Teratoma of descended testis  
B47z.00 131 Malignant neoplasm of testis NOS  
B47z.11 412 Seminoma of testis  
B47z.12 361 Teratoma of testis  
B48..00 88 Malignant neoplasm of penis and other male genital organs  
B480.00 13 Malignant neoplasm of prepuce (foreskin)  
B481.00 18 Malignant neoplasm of glans penis  
B482.00 10 Malignant neoplasm of body of penis  
B483.00 20 Malignant neoplasm of penis, part unspecified  
B485.00 1 Malignant neoplasm of spermatic cord  
B486.00 4 Malignant neoplasm of scrotum  
B487.00 2 Malignant neoplasm, overlapping lesion of penis  
B48y.00 1 Malignant neoplasm of other male genital organ  
B48y100 3 Malignant neoplasm of tunica vaginalis  
B48y200 1 Malignant neoplasm, overlapping lesion male genital orgs  
B48z.00 1 Malignant neoplasm of penis and other male genital organ NOS  
B49..00 8766 Malignant neoplasm of urinary bladder  
B490.00 9 Malignant neoplasm of trigone of urinary bladder  
B491.00 5 Malignant neoplasm of dome of urinary bladder  
B492.00 28 Malignant neoplasm of lateral wall of urinary bladder  
B493.00 5 Malignant neoplasm of anterior wall of urinary bladder  
B494.00 10 Malignant neoplasm of posterior wall of urinary bladder  
B495.00 9 Malignant neoplasm of bladder neck



B496.00 13 Malignant neoplasm of ureteric orifice  
B497.00 6 Malignant neoplasm of urachus  
B49y.00 5 Malignant neoplasm of other site of urinary bladder  
B49y000 1 Malignant neoplasm, overlapping lesion of bladder  
B49z.00 447 Malignant neoplasm of urinary bladder NOS  
B4A..00 420 Malig neop of kidney and other unspecified urinary organs  
B4A..11 366 Renal malignant neoplasm  
B4A0.00 581 Malignant neoplasm of kidney parenchyma  
B4A0000 230 Hypernephroma  
B4A1.00 52 Malignant neoplasm of renal pelvis  
B4A1000 15 Malignant neoplasm of renal calyces  
B4A1z00 7 Malignant neoplasm of renal pelvis NOS  
B4A2.00 76 Malignant neoplasm of ureter  
B4A3.00 21 Malignant neoplasm of urethra  
B4A4.00 1 Malignant neoplasm of paraurethral glands  
B4Ay.00 3 Malignant neoplasm of other urinary organs  
B4Ay000 1 Malignant neoplasm of overlapping lesion of urinary organs  
B4Az.00 106 Malignant neoplasm of kidney or urinary organs NOS  
B4y..00 19 Malignant neoplasm of genitourinary organ OS  
B4z..00 9 Malignant neoplasm of genitourinary organ NOS  
B5...00 399 Malignant neoplasm of other and unspecified sites  
B5...11 242 Carcinoma of other and unspecified sites  
Byu8.00 9 [X]Malignant neoplasm of male genital organs  
Byu8000 2 [X]Malignant neoplasm/other specified male genital organs  
Byu8200 1 [X]Malignant neoplasm of male genital organ, unspecified  
Byu9.00 21 [X]Malignant neoplasm of urinary tract  
Byu9000 4 [X]Malignant neoplasm of urinary organ, unspecified

B50..00 50 Malignant neoplasm of eye

B500000 3 Malignant neoplasm of ciliary body

B500100 3 Malignant neoplasm of iris

B500z00 1 Malignant neoplasm of eyeball NOS

B501.00 6 Malignant neoplasm of orbit

B501z00 1 Malignant neoplasm of orbit NOS

B502.00 1 Malignant neoplasm of lacrimal gland

B503.00 4 Malignant neoplasm of conjunctiva

B505.00 8 Malignant neoplasm of retina

B506.00 66 Malignant neoplasm of choroid

B507.00 1 Malignant neoplasm of lacrimal duct

B508.00 11 Malignant neoplasm, overlapping lesion of eye and adnexa

B50y.00 2 Malignant neoplasm of other specified site of eye

B50z.00 3 Malignant neoplasm of eye NOS

B51..00 544 Malignant neoplasm of brain

B51..11 434 Cerebral tumour - malignant

B510.00 23 Malignant neoplasm cerebrum (excluding lobes and ventricles)

B510000 6 Malignant neoplasm of basal ganglia

B510100 6 Malignant neoplasm of cerebral cortex

B510400 1 Malignant neoplasm of hypothalamus

B510500 2 Malignant neoplasm of thalamus

B510z00 6 Malignant neoplasm of cerebrum NOS

B511.00 27 Malignant neoplasm of frontal lobe

B512.00 17 Malignant neoplasm of temporal lobe

B512z00 4 Malignant neoplasm of temporal lobe NOS

B513.00 34 Malignant neoplasm of parietal lobe

B514.00 7 Malignant neoplasm of occipital lobe

B515.00 1 Malignant neoplasm of cerebral ventricles  
 B515000 6 Malignant neoplasm of choroid plexus  
 B516.00 22 Malignant neoplasm of cerebellum  
 B517.00 3 Malignant neoplasm of brain stem  
 B517000 3 Malignant neoplasm of cerebral peduncle  
 B517z00 1 Malignant neoplasm of brain stem NOS  
 B51y.00 1 Malignant neoplasm of other parts of brain  
 B51y000 1 Malignant neoplasm of corpus callosum  
 B51y200 1 Malignant neoplasm, overlapping lesion of brain  
 B51z.00 36 Malignant neoplasm of brain NOS  
 B52..00 1 Malig neop of other and unspecified parts of nervous system  
 B520100 2 Malignant neoplasm of optic nerve  
 B521.00 11 Malignant neoplasm of cerebral meninges  
 B521z00 1 Malignant neoplasm of cerebral meninges NOS  
 B522.00 17 Malignant neoplasm of spinal cord  
 B523.00 1 Malignant neoplasm of spinal meninges  
 B523100 1 Malignant neoplasm of spinal arachnoid mater  
 B523z00 1 Malignant neoplasm of spinal meninges NOS  
 B524.00 3 Malig neopl peripheral nerves and autonomic nervous system  
 B524000 1 Malignant neoplasm of peripheral nerves of head, face & neck  
 B524100 1 Malignant neoplasm of peripheral nerve,upp limb,incl should  
 B524600 1 Malignant neoplasm,overlap lesion periph nerve & auton ns  
 B525.00 14 Malignant neoplasm of cauda equina  
 B52W.00 2 Malig neopl, overlap lesion brain & other part of CNS  
 B52X.00 3 Malignant neoplasm of meninges, unspecified  
 B52z.00 4 Malignant neoplasm of nervous system NOS  
 ByuA.00 14 [X]Malignant neoplasm of eye, brain and other parts of cent

ByuA100 2 [X]Malignant neoplasm/central nervous system, unspecified  
ByuA200 3 [X]Malignant neoplasm of meninges, unspecified  
ByuA300 3 [X]Malig neopl, overlap lesion brain & other part of CNS  
B53..00 802 Malignant neoplasm of thyroid gland  
B54..00 1 Malig neop of other endocrine glands and related structures  
B540.00 40 Malignant neoplasm of adrenal gland  
B540.11 230 Pheochromocytoma  
B540000 2 Malignant neoplasm of adrenal cortex  
B541.00 5 Malignant neoplasm of parathyroid gland  
B542.00 1 Malignant neoplasm pituitary gland and craniopharyngeal duct  
B542000 21 Malignant neoplasm of pituitary gland  
B542100 16 Malignant neoplasm of craniopharyngeal duct  
B542z00 1 Malig neop pituitary gland or craniopharyngeal duct NOS  
B543.00 10 Malignant neoplasm of pineal gland  
B544.00 2 Malignant neoplasm of carotid body  
B545.00 1 Malignant neoplasm of aortic body and other paraganglia  
B545000 6 Malignant neoplasm of glomus jugulare  
B545100 1 Malignant neoplasm of aortic body  
B545200 2 Malignant neoplasm of coccygeal body  
B54z.00 1 Malig neop of endocrine gland or related structure NOS  
ByuB.00 17 [X]Malignant neoplasm of thyroid and other endocrine glands  
B55..00 57 Malignant neoplasm of other and illdefined sites  
B550.00 260 Malignant neoplasm of head, neck and face  
B550000 6 Malignant neoplasm of head NOS  
B550100 4 Malignant neoplasm of cheek NOS  
B550200 9 Malignant neoplasm of nose NOS  
B550300 4 Malignant neoplasm of jaw NOS

B550400 15 Malignant neoplasm of neck NOS  
B550z00 3 Malignant neoplasm of head, neck and face NOS  
B551.00 1 Malignant neoplasm of thorax  
B551000 17 Malignant neoplasm of axilla NOS  
B551100 6 Malignant neoplasm of chest wall NOS  
B552.00 149 Malignant neoplasm of abdomen  
B553.00 2 Malignant neoplasm of pelvis  
B554.00 4 Malignant neoplasm of upper limb NOS  
B555.00 6 Malignant neoplasm of lower limb NOS  
B55y.00 2 Malignant neoplasm of other specified sites  
B55y000 2 Malignant neoplasm of back NOS  
B55yz00 9 Malignant neoplasm of specified site NOS  
B55z.00 1 Malignant neoplasm of other and ill defined site NOS  
B56..00 235 Secondary and unspecified malignant neoplasm of lymph nodes  
B56..11 484 Lymph node metastases  
B560.00 11 Secondary and unspec malig neop lymph nodes head/face/neck  
B560000 1 Secondary and unspec malig neop of superficial parotid LN  
B560100 1 Secondary and unspec malignant neoplasm mastoid lymph nodes  
B560200 3 Secondary and unspec malig neop superficial cervical LN  
B560300 1 Secondary and unspec malignant neoplasm occipital lymph node  
B560400 1 Secondary and unspec malig neop deep parotid lymph nodes  
B560500 4 Secondary and unspec malig neop submandibular lymph nodes  
B560600 1 Secondary and unspec malig neop of facial lymph nodes  
B560700 3 Secondary and unspec malig neop submental lymph nodes  
B560800 3 Secondary and unspec malig neop anterior cervical LN  
B560z00 2 Secondary unspec malig neop lymph nodes head/face/neck NOS  
B561.00 1 Secondary and unspec malig neop intrathoracic lymph nodes

B561000 1 Secondary and unspec malig neop internal mammary lymph nodes  
 B561300 4 Secondary and unspec malig neop ant mediastinal lymph nodes  
 B561400 4 Secondary and unspec malig neop post mediastinal lymph nodes  
 B561500 3 Secondary and unspec malig neop paratracheal lymph nodes  
 B561600 1 Secondary and unspec malig neop superfic tracheobronchial LN  
 B561700 1 Secondary and unspec malig neop inferior tracheobronchial LN  
 B561800 5 Secondary and unspec malig neop bronchopulmonary lymph nodes  
 B561900 6 Secondary and unspec malig neop pulmonary lymph nodes  
 B562.00 8 Secondary and unspec malig neop intraabdominal lymph nodes  
 B562000 1 Secondary and unspec malig neop coeliac lymph nodes  
 B562200 1 Secondary and unspec malig neop inferior mesenteric LN  
 B562300 3 Secondary and unspec malig neop common iliac lymph nodes  
 B562400 1 Secondary and unspec malig neop external iliac lymph nodes  
 B562z00 3 Secondary and unspec malig neop intraabdominal LN NOS  
 B563.00 3 Secondary and unspec malig neop axilla and upper limb LN  
 B563000 19 Secondary and unspec malig neop axillary lymph nodes  
 B563200 1 Secondary and unspec malig neop infraclavicular lymph nodes  
 B563300 6 Secondary and unspec malig neop pectoral lymph nodes  
 B564.00 3 Secondary and unspec malig neop inguinal and lower limb LN  
 B564000 2 Secondary and unspec malig neop superficial inguinal LN  
 B564100 1 Secondary and unspec malig neop deep inguinal lymph nodes  
 B564z00 2 Secondary and unspec malig neop of inguinal and leg LN NOS  
 B565.00 5 Secondary and unspec malig neop intrapelvic lymph nodes  
 B565300 1 Secondary and unspec malig neop sacral lymph nodes  
 B56y.00 11 Secondary and unspec malig neop lymph nodes multiple sites  
 B56z.00 109 Secondary and unspec malig neop lymph nodes NOS  
 B57..00 23 Secondary malig neop of respiratory and digestive systems

B57..11 466 Metastases of respiratory and/or digestive systems  
B57..12 24 Secondary carcinoma of respiratory and/or digestive systems  
B570.00 850 Secondary malignant neoplasm of lung  
B571.00 10 Secondary malignant neoplasm of mediastinum  
B572.00 91 Secondary malignant neoplasm of pleura  
B573.00 3 Secondary malignant neoplasm of other respiratory organs  
B574.00 3 Secondary malignant neoplasm of small intestine and duodenum  
B574000 1 Secondary malignant neoplasm of duodenum  
B574z00 1 Secondary malig neop of small intestine or duodenum NOS  
B575.00 7 Secondary malignant neoplasm of large intestine and rectum  
B575000 16 Secondary malignant neoplasm of colon  
B575100 2 Secondary malignant neoplasm of rectum  
B575z00 4 Secondary malig neop of large intestine or rectum NOS  
B576.00 6 Secondary malig neop of retroperitoneum and peritoneum  
B576000 5 Secondary malignant neoplasm of retroperitoneum  
B576100 119 Secondary malignant neoplasm of peritoneum  
B576200 279 Malignant ascites  
B577.00 1563 Secondary malignant neoplasm of liver  
B577.11 3862 Liver metastases  
B57y.00 8 Secondary malignant neoplasm of other digestive organ  
B57z.00 2 Secondary malig neop of respiratory or digestive system NOS  
B58..00 1463 Secondary malignant neoplasm of other specified sites  
B58..11 63 Secondary carcinoma of other specified sites  
B580.00 27 Secondary malignant neoplasm of kidney  
B581.00 3 Secondary malignant neoplasm of other urinary organs  
B581000 1 Secondary malignant neoplasm of ureter  
B581100 25 Secondary malignant neoplasm of bladder

B581200 2 Secondary malignant neoplasm of urethra  
B581z00 1 Secondary malignant neoplasm of other urinary organ NOS  
B582.00 144 Secondary malignant neoplasm of skin  
B582200 3 Secondary malignant neoplasm of skin of neck  
B582300 7 Secondary malignant neoplasm of skin of trunk  
B582400 1 Secondary malignant neoplasm of skin of shoulder and arm  
B582500 1 Secondary malignant neoplasm of skin of hip and leg  
B582600 16 Secondary malignant neoplasm of skin of breast  
B582z00 6 Secondary malignant neoplasm of skin NOS  
B583.00 31 Secondary malignant neoplasm of brain and spinal cord  
B583000 1553 Secondary malignant neoplasm of brain  
B583100 29 Secondary malignant neoplasm of spinal cord  
B583200 1382 Cerebral metastasis  
B583z00 1 Secondary malignant neoplasm of brain or spinal cord NOS  
B584.00 3 Secondary malignant neoplasm of other part of nervous system  
B585.00 2125 Secondary malignant neoplasm of bone and bone marrow  
B586.00 21 Secondary malignant neoplasm of ovary  
B587.00 13 Secondary malignant neoplasm of adrenal gland  
B58y.00 28 Secondary malignant neoplasm of other specified sites  
B58y000 67 Secondary malignant neoplasm of breast  
B58y100 4 Secondary malignant neoplasm of uterus  
B58y300 3 Secondary malignant neoplasm of vagina  
B58y400 5 Secondary malignant neoplasm of vulva  
B58y411 1 Secondary cancer of the vulva  
B58y500 100 Secondary malignant neoplasm of prostate  
B58y700 2 Secondary malignant neoplasm of penis  
B58y900 2 Secondary malignant neoplasm of tongue



B58yz00 30 Secondary malignant neoplasm of other specified site NOS  
 B58z.00 147 Secondary malignant neoplasm of other specified site NOS  
 B59..00 22 Malignant neoplasm of unspecified site  
 B590.00 15458 Disseminated malignancy NOS  
 B590.11 5926 Carcinomatosis  
 B591.00 6 Other malignant neoplasm NOS  
 B592.00 3 Malignant neoplasms of independent (primary) multiple sites  
 B593.00 110 Primary malignant neoplasm of unknown site  
 B594.00 8 Secondary malignant neoplasm of unknown site  
 B59z.00 15 Malignant neoplasm of unspecified site NOS  
 B59zX00 4 Kaposi's sarcoma, unspecified  
 A789500 HIV disease resulting in Kaposi's sarcoma  
 B5y..00 9 Malignant neoplasm of other and unspecified site OS  
 B5z..00 1439 Malignant neoplasm of other and unspecified site NOS  
 B6...00 216 Malignant neoplasm of lymphatic and haemopoietic tissue  
 ByuC.00 6 [X]Malignant neoplasm of ill-defined, secondary and unspci  
 ByuC200 1 [X]2ndry+unspcf malignant neoplasm lymph nodes/multi regions  
 ByuC700 3 [X]Secondary malignant neoplasm of other specified sites  
 ByuC800 2 [X]Malignant neoplasm without specification of site  
 B6...11 3 Malignant neoplasm of histiocytic tissue  
 B600.00 23 Reticulosarcoma  
 B600100 1 Reticulosarcoma of lymph nodes of head, face and neck  
 B600300 1 Reticulosarcoma of intra-abdominal lymphnodes  
 B601.00 31 Lymphosarcoma  
 B601z00 3 Lymphosarcoma NOS  
 B602.00 84 Burkitt's lymphoma  
 A789600 HIV disease resulting in Burkitt's lymphoma

B620.00 37 Nodular lymphoma (Brill - Symmers disease)  
 B620000 1 Nodular lymphoma of unspecified site  
 B620100 4 Nodular lymphoma of lymph nodes of head, face and neck  
 B620800 1 Nodular lymphoma of lymph nodes of multiple sites  
 B620z00 5 Nodular lymphoma NOS  
 B624.00 9 Leukaemic reticuloendotheliosis  
 B624.11 207 Leukaemic reticuloendotheliosis  
 B624000 1 Leukaemic reticuloendotheliosis of unspecified sites  
 B624300 1 Leukaemic reticuloend of intra-abdominal lymph nodes  
 B627.00 4754 Non - Hodgkin's lymphoma  
 B627000 40 Follicular non-Hodgkin's small cleaved cell lymphoma  
 B627200 12 Follicular non-Hodgkin's large cell lymphoma  
 B627300 2 Diffuse non-Hodgkin's small cell (diffuse) lymphoma  
 B627500 3 Diffuse non-Hodgkin mixed sm1 & lge cell (diffuse) lymphoma  
 B627600 5 Diffuse non-Hodgkin's immunoblastic (diffuse) lymphoma  
 B627700 27 Diffuse non-Hodgkin's lymphoblastic (diffuse) lymphoma  
 B627800 1 Diffuse non-Hodgkin's lymphoma undifferentiated (diffuse)  
 B627B00 32 Other types of follicular non-Hodgkin's lymphoma  
 B627C00 71 Follicular non-Hodgkin's lymphoma  
 B627C11 273 Follicular lymphoma NOS  
 B627D00 1 Diffuse non-Hodgkin's centroblastic lymphoma  
 B627W00 103 Unspecified B-cell non-Hodgkin's lymphoma  
 B627X00 12 Diffuse non-Hodgkin's lymphoma, unspecified  
 B62x.00 166 Malignant lymphoma otherwise specified  
 A789700 xxx HIV dis resulting oth types of non- Hodgkin's  
 AyuC600 xxx [X]HIV disease resulting in other non- Hodgkin's lymphoma  
 B62x400 1 Malignant reticulosis

B62y.00 975 Malignant lymphoma NOS  
B62y000 7 Malignant lymphoma NOS of unspecified site  
B62y100 2 Malignant lymphoma NOS of lymph nodes of head, face and neck  
B62y500 3 Malignant lymphoma NOS of lymph node inguinal region and leg  
B62y600 4 Malignant lymphoma NOS of intrapelvic lymph nodes  
B62y700 4 Malignant lymphoma NOS of spleen  
B62y800 97 Malignant lymphoma NOS of lymph nodes of multiple sites  
B62yz00 346 Malignant lymphoma NOS  
B62z.00 1 Malignant neoplasms of lymphoid and histiocytic tissue NOS  
B62zz11 2 Immunoproliferative neoplasm  
ByuDC00 1 [X]Diffuse non-Hodgkin's lymphoma, unspecified  
ByuDE00 10 [X]Unspecified B-cell non-Hodgkin's lymphoma  
ByuDF00 144 [X]Non-Hodgkin's lymphoma, unspecified type  
ByuDF11 102 [X]Non-Hodgkin's lymphoma NOS  
B61..00 2679 Hodgkin's disease  
B612.00 1 Hodgkin's sarcoma  
B613.00 7 Hodgkin's disease, lymphocytic-histiocytic predominance  
B613z00 1 Hodgkin's, lymphocytic-histiocytic predominance NOS  
B614.00 133 Hodgkin's disease, nodular sclerosis  
B614000 1 Hodgkin's disease, nodular sclerosis of unspecified site  
B614100 2 Hodgkin's nodular sclerosis of head, face and neck  
B614200 1 Hodgkin's nodular sclerosis of intrathoracic lymph nodes  
B614400 1 Hodgkin's nodular sclerosis of lymph nodes of axilla and arm  
B614z00 7 Hodgkin's disease, nodular sclerosis NOS  
B615.00 8 Hodgkin's disease, mixed cellularity  
B615200 1 Hodgkin's mixed cellularity of intrathoracic lymph nodes  
B616.00 1 Hodgkin's disease, lymphocytic depletion

B616400 1 Hodgkin's lymphocytic depletion lymph nodes axilla and arm  
B61z.00 41 Hodgkin's disease NOS  
B61z000 3 Hodgkin's disease NOS, unspecified site  
B61z100 2 Hodgkin's disease NOS of lymph nodes of head, face and neck  
B61z200 3 Hodgkin's disease NOS of intrathoracic lymph nodes  
B61zz00 21 Hodgkin's disease NOS  
B62..00 21 Other malignant neoplasm of lymphoid and histiocytic tissue  
ByuD000 4 [X]Other Hodgkin's disease  
B621.00 546 Mycosis fungoides  
B621z00 6 Mycosis fungoides NOS  
B622.00 31 Sezary's disease  
B62x000 1 T-zone lymphoma  
B62x100 1 Lymphoepithelioid lymphoma  
B62x200 25 Peripheral T-cell lymphoma  
B62xX00 32 Oth and unspecif peripheral & cutaneous Tcell lymphomas  
B623.00 28 Malignant histiocytosis  
B623z00 3 Malignant histiocytosis NOS  
B625.00 6 Letterer-Siwe disease  
B625.11 39 Histiocytosis X (acute, progressive)  
B625800 1 Letterer-Siwe disease of lymph nodes of multiple sites  
B626.00 3 Malignant mast cell tumours  
B626800 1 Mast cell malignancy of lymph nodes of multiple sites  
B62x500 2 Malignant immunoproliferative small intestinal disease  
B63..00 15 Multiple myeloma and immunoproliferative neoplasms  
B630.00 4752 Multiple myeloma  
B630.11 12 Kahler's disease  
B630.12 83 Myelomatosis

B630000 17 Malignant plasma cell neoplasm, extramedullary plasmacytoma  
B630100 68 Solitary myeloma  
B630200 191 Plasmacytoma NOS  
B630300 34 Lambda light chain myeloma  
B631.00 34 Plasma cell leukaemia  
B63y.00 2 Other immunoproliferative neoplasms  
B63z.00 1 Immunoproliferative neoplasm or myeloma NOS  
N330900 Osteoporosis in multiple myelomatosis  
B64..00 544 Lymphoid leukaemia  
B64..11 1223 Lymphatic leukaemia  
B640.00 953 Acute lymphoid leukaemia  
B641.00 5696 Chronic lymphoid leukaemia  
B641.11 294 Chronic lymphatic leukaemia  
B64y.00 4 Other lymphoid leukaemia  
B64y100 39 Prolymphocytic leukaemia  
B64y200 2 Adult T-cell leukaemia  
B64yz00 4 Other lymphoid leukaemia NOS  
B64z.00 12 Lymphoid leukaemia NOS  
B65..00 987 Myeloid leukaemia  
B650.00 1866 Acute myeloid leukaemia  
B651.00 1269 Chronic myeloid leukaemia  
B651.11 24 Chronic granulocytic leukaemia  
B651z00 9 Chronic myeloid leukaemia NOS  
B652.00 3 Subacute myeloid leukaemia  
B653.00 1 Myeloid sarcoma  
B653000 5 Chloroma  
B65y100 48 Acute promyelocytic leukaemia

B65z.00 1 Myeloid leukaemia NOS  
B66..00 10 Monocytic leukaemia  
B66..12 1 Monoblastic leukaemia  
B660.00 24 Acute monocytic leukaemia  
B661.00 63 Chronic monocytic leukaemia  
B67..00 21 Other specified leukaemia  
B670.00 12 Acute erythraemia and erythroleukaemia  
B671.00 13 Chronic erythraemia  
B671.11 1 Heilmeyer - Schoner disease  
B672.00 2 Megakaryocytic leukaemia  
B673.00 1 Mast cell leukaemia  
B674.00 1 Acute panmyelosis  
B675.00 110 Acute myelofibrosis  
B67y000 1 Lymphosarcoma cell leukaemia  
B69..00 88 Myelomonocytic leukaemia  
B690.00 3 Acute myelomonocytic leukaemia  
B691.00 147 Chronic myelomonocytic leukaemia  
B67z.00 1 Other specified leukaemia NOS  
B68..00 108 Leukaemia of unspecified cell type  
B680.00 90 Acute leukaemia NOS  
B681.00 55 Chronic leukaemia NOS  
B68y.00 10 Other leukaemia of unspecified cell type  
B68z.00 524 Leukaemia NOS  
B6y..00 4 Malignant neoplasm lymphatic or haematopoietic tissue OS  
B6y0.00 978 Myeloproliferative disorder  
B6y0.11 185 Myeloproliferative disease  
B6y1.00 7 Myelosclerosis with myeloid metaplasia

B6z..00 57 Malignant neoplasm lymphatic or haematopoietic tissue NOS  
B6z0.00 1 Kaposi's sarcoma of lymph nodes  
C330000 Waldenstrom's hypergammaglobulinaemic purpura  
C333000 Waldenstrom's macroglobulinaemia  
ByuD.00 3 [X]Malignant neoplasms of lymphoid, haematopoietic and rela  
ByuD500 1 [X]Other lymphoid leukaemia  
4C53.00 Bone marrow: myeloma cells  
4C54.00 Bone marrow: tumour cells  
4D56.00 Pleural fluid: malignant cells  
4E33.00 Sputum: malignant cells  
4F32.00 Ascitic fluid: malignant cells

Hypoglycemic agents

Rosiglitazone Monotherapy

2163        ROSIGLITAZONE

Rosiglitazone Polytherapy

2167        ROSIGLITAZONE AND METFORMIN

51050      ROSIGLITAZONE + GLIMEPIRIDE

Pioglitazone Monotherapy

2162        PIOGLITAZONE

Pioglitazone polytherapy

51067      PIOGLITAZONE / METFORMIN

Troglitazone

2160        TROGLITAZONE

ORAL ANTIDIABETICS\_Biguanides

2122        Metformin



ORAL ANTIDIABETICS\_sulfonylureas

2108	Acetohexamide
2110	Tolazamide
2115	Tolbutamide
2116	Glibenclamide (aka Glyburide)
2133	Glibornuride
2139	Glipizide
2148	Gliclazide
2159	Glimepiride
2140	Gliquidone
2120	Chlorpropamide
2131	Glymidine sodium

ORAL ANTIDIABETICS\_Acarbose

2157	Acarbose
------	----------

Dipeptidyl peptidase 4 inhibitors

51079	SITAGLIPTIN
52209	Saxagliptin
52309	Linagliptin
52022	Metformin W Sitagliptin

ORAL ANTIDIABETICS\_Glinides

2161	Repaglinide
2165	Nateglinide
2153	GUAR GUM
51046	EXENATIDE
51151	LIRAGLUTIDE
51122	VILDAGLIPTIN W METFORMIN

#### Insulins

2103	INSULIN
2109	(CZI CRYSTALLIN ZINC INSULIN
2111	INSULIN, ZINC SUSPENSION
2112	INSULIN ZINC SUSPENSION, EXTENDED
2151	INSULIN HUM NPH W ISOPHANE
2154	INSULIN HUM NPH W NEUTRAL/SOLUBLE
2158	PRO-HUMAN INSULIN,LISPRO
16221	INSULINS & ORAL ANTIDIABETIC AGENTS
51007	INSULIN PORC ZINK / LENTE SEMILENTE
51008	INSULIN BEEF
51187	INSULIN HUMAN INHALED

Anti-retrovirals (nucleoside reverse-transcriptase inhibitors)

B03150	ZIDOVUDINE
B03164	DIDANOSINE
B03165	ZALCITABINE
B03167	STAVUDINE
B03171	LAMIVUDINE
B03174	LAMIVUDINE / ZIDOVUDINE
B03186	ABACAVIR+ZIDOVUDINE + LAMIVUDINE
B03190	TENOFOVIR DISOPROXIL
B03191	ADEFOVIR DIPIVOXIL
B03198	Entecavir
B03799	ABACAVIR
B51042	EFAVIRENZ / EMTRICITABINE / TENOFOVIR
B51081	TELBIVUDINE
B51089	Emtricitabine and Tenofovir
B51090	Lamivudine and Abacavir
B51168	ABACAVIR+LAMIVUDINE
B51201	EMTRICITABINE

## Salicylates

4908	ASPIRIN, ENTERIC COATED
m00665001	NU-SEALS ASPIRIN, EC tablets, 300mg (300.00 mg)
m00665003	NU-SEALS ASPIRIN, EC tablets, 75mg (75.00 mg)
m01223002	ASPIRIN, enteric coated tablets, 75mg (75.00 mg)
m02064009	ASPIRIN, EC tablets, 300mg (300.00 mg)
m02462009	ASPIRIN, EC tablets, 75mg (75.00 mg)
m02462010	ASPIRIN, enteric coated tablets, 300mg (300.00 mg)
m02758010	ASPIRIN, enteric coated tablets, 75mg (75.00 mg)
m02817009	ASPIRIN, enteric coated tablets, 75mg (75.00 mg)
m02818009	ASPIRIN, enteric coated tablets, 300mg (300.00 mg)
m02839009	ASPIRIN, enteric coated tablets, 75mg (75.00 mg)
m02902009	ASPIRIN, enteric coated tablets, 75mg (75.00 mg)
m03011009	ASPIRIN, enteric coated tablets, 300mg (300.00 mg)
m03011010	ASPIRIN, enteric coated tablets, 75mg (75.00 mg)
m03156007	ASPRIN E/C, TAB, 324mg (324.00 mg)
m03555009	ASPIRIN, enteric coated tablets, 75mg (75.00 mg)
m03563009	ASPIRIN, enteric coated tablets, 75mg (75.00 mg)
m03609009	ASPIRIN, enteric coated tablets, 75mg (75.00 mg)
m05745001	ASPIRIN, enteric coated tablets, 300mg (300.00 mg)
m05785002	CAPRIN, EC tablets, 300mg (300.00 mg)
m06692009	TEVA, EC tablets, 300mg (300.00 mg)
m07293001	POSTMI, EC tablets, 300mg (300.00 mg)
m08462002	POSTMI, EC tablets, 75mg (75.00 mg)
m09288001	CAPRIN, EC tablets, 75mg (75.00 mg)
m10374001	NU-SEALS CARDIO, EC tablets, 75mg (75.00 mg)
m10781001	NU-SEALS ASPIRIN, EC tablets, 75mg

m10782001 NU-SEALS ASPIRIN, EC tablets, 300mg  
m11179001 ENPRIN, enteric coated tablets, 75mg (75.00 mg)

4902 ACETYLSALICYLIC ACID

m00105007 ASPIRIN PAED, MIX, 0  
m00106007 ASPIRIN, TAB, 60mg (60.00 mg)  
m00107007 ASPIRIN PAED, SUP, 100mg (100.00 mg)  
m00109007 ASPIRIN, SUP, 50mg (50.00 mg)  
m00110007 ASPIRIN, SUP, 75mg (75.00 mg)  
m00111007 ASPIRIN, SUP, 125mg (125.00 mg)  
m00112007 ASPIRIN, SUP, 250mg (250.00 mg)  
m00113007 ASPIRIN, SUP, 65mg (65.00 mg)  
m00114007 ASPIRIN, SUP, 175mg (175.00 mg)  
m00115007 ASPIRIN, SUP, 200mg (200.00 mg)  
m00116007 ASPIRIN, SUP, 60mg (60.00 mg)  
m00117007 ASPIRIN SACHETS, , 30mg (30.00 mg)  
m00118007 ASPIRIN, CAP, 40mg (40.00 mg)  
m00119007 ASPIRIN, CAP, 50mg (50.00 mg)  
m00120007 ASPIRIN PAED, SUP, 150mg (150.00 mg)  
m00121007 ASPIRIN, SUP, 100mg (100.00 mg)  
m00122007 ASPIRIN, SUP, 120mg (120.00 mg)  
m00123007 ASPIRIN, TAB, 325mg (325.00 mg)  
m00175001 CLARADIN, tablets, 300mg (300.00 mg)  
m00189009 ASPIRIN, tablets, 300mg (300.00 mg)  
m00189010 ASPIRIN, soluble tablet, 300mg (300.00 mg)  
m00189011 ASPIRIN, soluble tablet, 75mg (75.00 mg)  
m00191009 ASPIRIN, dispersible tablet, 75mg (75.00 mg)

m00191010 ASPIRIN, dispersible tablet, 300mg (300.00 mg)  
m00191011 ASPIRIN, tablets, 300mg (300.00 mg)  
m00192009 ASPIRIN, dispersible tablet, 75mg (75.00 mg)  
m00192010 ASPIRIN, dispersible tablet, 300mg (300.00 mg)  
m00192011 ASPIRIN, tablets, 300mg (300.00 mg)  
m00222007 ASPIRIN, TAB, 0  
m00498001 LABOPRIN, tablets,  
m00590001 BEECHAMSASPIRIN, tablets, 75mg (75.00 mg)  
m00716009 ASPIRIN, powder,  
m00716010 ASPIRIN, dispersible tablet, 300mg (300.00 mg)  
m00717009 ASPIRIN, dispersible tablet, 300mg (300.00 mg)  
m00717010 ASPIRIN, soluble tablet, 75mg (75.00 mg)  
m00717011 ASPIRIN, enteric coated tablets, 75mg (75.00 mg)  
m00718009 ASPIRIN, tablets, 300mg (300.00 mg)  
m01108009 ASPIRIN, powder,  
m01199009 ASPIRIN, dispersible tablet, 300mg (300.00 mg)  
m01199010 ASPIRIN, tablets, 300mg (300.00 mg)  
m01223001 ASPIRIN, dispersible tablet, 75mg (75.00 mg)  
m01223003 ASPIRIN, modified release tablet, 100mg (100.00 mg)  
m01407009 ASPIRIN, dispersible tablet, 75mg (75.00 mg)  
m01407010 ASPIRIN, tablets, 300mg (300.00 mg)  
m01407011 ASPIRIN, dispersible tablet, 300mg (300.00 mg)  
m01486009 ASPIRIN, tablets, 300mg (300.00 mg)  
m01486010 ASPIRIN, soluble tablet, 75mg (75.00 mg)  
m01580001 ASPIRIN, tablets, 300mg (300.00 mg)  
m01580002 ASPIRIN, dispersible tablet, 300mg (300.00 mg)  
m01580003 ASPIRIN, tablets, 320mg (320.00 mg)

m01857009 ASPIRIN, dispersible tablet, 75mg (75.00 mg)  
m01857010 ASPIRIN, soluble tablet, 300mg (300.00 mg)  
m02025009 ASPIRIN, tablets, 300mg (300.00 mg)  
m02025010 ASPIRIN, dispersible tablet, 300mg (300.00 mg)  
m02064010 ASPIRIN, tablets, 300mg (300.00 mg)  
m02081009 ASPIRIN, dispersible tablet, 75mg (75.00 mg)  
m02081010 ASPIRIN, dispersible tablet, 300mg (300.00 mg)  
m02322009 ASPIRIN, tablets, 300mg (300.00 mg)  
m02322010 ASPIRIN, dispersible tablet, 75mg (75.00 mg)  
m02372007 ASPIRIN PAED, TAB, 37.5mg (37.50 mg)  
m02599001 SOLPRIN, tablets, 300mg (300.00 mg)  
m02758009 ASPIRIN, dispersible tablet, 75mg (75.00 mg)  
m02839001 SOLPRIN, tablets, 75mg (75.00 mg)  
m02911007 ASPIRIN E/C, TAB, 324mg (324.00 mg)  
m02991009 ASPIRIN, dispersible tablet, 75mg (75.00 mg)  
m03001009 ASPIRIN, tablets, 300mg (300.00 mg)  
m03004009 ASPIRIN, dispersible tablet, 300mg (300.00 mg)  
m03004010 ASPIRIN, dispersible tablet, 75mg (75.00 mg)  
m03048009 ASPIRIN, tablets, 300mg (300.00 mg)  
m03121007 ASPIRIN SR, TAB, 100mg (100.00 mg)  
m03122007 ASPIRIN, TAB, 100mg (100.00 mg)  
m03355007 ASPIRIN PAED, TAB, 0  
m03413007 ASPIRIN, TAB, 70mg (70.00 mg)  
m03422007 ASPIRIN DISPERSIBLE PAED, TAB, 0  
m03430007 ASPIRIN SR, TAB, 300mg (300.00 mg)  
m03433009 ASPIRIN, tablets, 300mg (300.00 mg)  
m03433010 ASPIRIN, dispersible tablet, 300mg (300.00 mg)

m03544009 ASPIRIN, tablets, 300mg (300.00 mg)  
m03579009 ASPIRIN, tablets, 300mg (300.00 mg)  
m03585009 ASPIRIN, dispersible tablet, 300mg (300.00 mg)  
m03798009 ASPIRIN, dispersible tablet, 75mg (75.00 mg)  
m03799009 ASPIRIN, dispersible tablet, 300mg (300.00 mg)  
m03870009 ASPIRIN, dispersible tablet, 300mg (300.00 mg)  
m03876009 ASPIRIN, tablets, 300mg (300.00 mg)  
m03889007 ASPIRIN PAED, TAB, 81mg (81.00 mg)  
m03992009 ASPIRIN, dispersible tablet, 75mg (75.00 mg)  
m04070100 Aspirin, dispersible tablet, 75mg  
m04088007 ASPIRIN, TAB, 0  
m04646009 Aspirin, tablets 300mg  
m04648009 Aspirin, tablets 300mg  
m04689009 Aspirin, tablest 75mg  
m05262007 ASPIRIN, TAB, 0  
m05290002 ASPIRIN, effervescent tablet, 300mg (300.00 mg)  
m05290003 ASPIRIN, capsules, 162.5mg (162.50 mg)  
m05311009 Aspirin dispersible tablets, 75mg  
m05319007 ASPIRIN DISPERSIBLE, TAB, 150mg (150.00 mg)  
m05322007 ASPIRIN DISPERSIBLE, TAB, 50mg (50.00 mg)  
m05323007 ASPIRIN, TAB, 37.5mg (37.50 mg)  
m05327007 ASPIRIN DISPERSIBLE, CAP, 40mg (40.00 mg)  
m05329007 ASPIRIN DISPERSIBLE, TAB, 150mg (150.00 mg)  
m05330007 ASPIRIN DISPERSIBLE, TAB, 100mg (100.00 mg)  
m05331007 ASPIRIN, CAP, 325mg (325.00 mg)  
m05332007 ASPIRIN M/F, TAB, 324mg (324.00 mg)  
m05334007 ASPIRIN, TAB, 150mg (150.00 mg)



m05410001 PLATET, effervescent tablet, 100mg (100.00 mg)  
m05410002 PLATET, effervescent tablet, 300mg (300.00 mg)  
m05486001 ASPIRINEFFERVESCENT, tablets, 100mg (100.00 mg)  
m05486002 ASPIRINEFFERVESCENT, tablets, 300mg (300.00 mg)  
m05533009 Aspirin dispersible tablets, 300mg [ALMUS]  
m05534009 Aspirin dispersible tablets, 75mg [ALMUS]  
m05558009 Aspirin EC tab 75mg [ALMUS]  
m05587007 ASPIRIN DISPERSIBLE, TAB, 200mg (200.00 mg)  
m05690009 Aspirin ec tab 300mg [FOCUS]  
m05756001 ASPERGUM, chewing gum, 227mg (227.00 mg)  
m05757001 ASPIRIN, chewing gum, 227mg (227.00 mg)  
m05783001 ASPIRIN, modified release tablet, 324mg (324.00 mg)  
m05783002 ASPIRIN, modified release tablet, 300mg (300.00 mg)  
m05784001 ASPIRIN+ GLYCINE, tablets,  
m05784002 ASPIRIN+ GLYCINE, dissolving tablets, 300mg + 133mg  
m05784003 ASPIRIN+ GLYCINE, chewable tablet, 300mg + 150mg  
m05785001 CAPRIN, sustained release tablets, 324mg (324.00 mg)  
m05786001 PAYNOCIL, tablets,  
m05923007 ASPIRIN DISPERSIBLE, TAB, 200mg (200.00 mg)  
m05924007 ASPIRIN DISPERSIBLE, TAB, 37.5mg (37.50 mg)  
m05925007 ASPIRIN, TAB, 40mg (40.00 mg)  
m05971009 Aspirin ec tab 300mg (PINWOOD)  
m06423001 ANGETTES, tablets, 75mg (75.00 mg)  
m06424001 ASPIRIN, tablets, 75mg (75.00 mg)  
m06630002 BEECHAMS, lemon tablets, 300mg + 150mg  
m06631001 DISPRIN, dispersible tablet, 300mg (300.00 mg)  
m06900001 DISPRINCV, modified release tablet, 100mg (100.00 mg)

m06900002 DISPRINCV, modified release tablet, 300mg (300.00 mg)  
 m07088009 Aspirin tabs 300mg[CP Pharm]  
 m07221001 DISPRINDIRECT, dissolving tablets,  
 m07984001 MICROPIRIN, enteric coated tablets, 75mg (75.00 mg)  
 m08158001 Aspirin orodisp tab 300mg  
 m08462001 POSTMI, dispersible tablet, 75mg (75.00 mg)  
 m08546001 ASPIRIN+ISOSOR. MONONITRATE, modified release tablet,75mg + 60mg  
 m08546002 ASPIRIN+ISOSOR. MONONITRATE, modified release tablet, 150mg +60mg  
 m09621001 ASPRO, tablets, 320mg  
 m09622001 ASPROCLEAR, effervescent tablet, 300mg (300.00 mg)  
 m09856001 MICROPIRIN, enteric coated tablets, 75mg (75.00 mg)  
 m10337001 GENCARDIA, enteric coated tablets, 75mg (75.00 mg)  
 m11503001 ASPIRIN+ DIPYRIDAMOLE, modified release capsule, 25mg + 200mg  
 m11863001 CASPACXL, capsules, 162.5mg (162.50 mg)  
 m11949001 CAREASPIRIN, dispersible tablet, 75mg (75.00 mg)  
 m14965001 Aspirin low dose oral liq (unlicensed medicinal product)  
 m16985001 Aspirin modified release capsules 162.5mg

6206 ISOSORBIDE MONONITRATE+ASPIRIN  
 m09265001 IMAZIN XL, modified release tablet, 60mg + 75mg  
 m09266001 IMAZIN XLFORTE, modified release tablet, 60mg + 150mg  
 m09268001 ISOSORBIDE MONONITRATE+ ASPIRIN, modifiedreleasetablet, 60mg+75mg  
 m09268002 ISOSORBIDE MONONITRATE+ ASPIRIN,modifiedrelease tablet,60mg+150mg

6201 DIPYRIDAMOLE 200MG/ASPIRIN 25MG  
 M11499001 DIPYRIDAMOLE  
 M11501001 DIPYRIDAMOLE



NSAIDs

4947 PHENYLBUTAZONE  
4913 OXYPHENBUTAZONE  
956 Indomethacin (Indometacin)  
20913 Indomethacin (Indometacin)  
16236 Sulindac  
20907 TOLMETIN SODIUM  
5059 ZOMEPIRAC  
16235 DICLOFENAC SODIUM  
16245 DICLOFENAC POTASSIUM  
4816 DICLOFENAC W MISOPROSTOL  
5038 BUMADIZONE  
4804 Etodolac  
5074 FENTIAZAC  
4812 Acemetacin  
4811 KETOROLAC TROMETHAMINE  
4818 ACECLOFENAC  
5055 Piroxicam  
4801 Tenoxicam  
22010 LORNOXICAM  
4819 MELOXICAM  
4980 IBUPROFEN  
5034 NAPROXEN  
4813 NAPROXEN W MISOPROSTOL  
5006 Ketoprofen  
5049 Fenoprofen

5071 Fenbufen  
5078 SUPROFEN  
994 FLURBIPROFEN  
50581 FLURBIPROFEN  
4805 INDOPROFEN  
4803 Tiaprofenic acid  
5099 OXAPROZIN  
955 Mefenamic acid  
4993 FLUFENAMIC ACID  
4824 CELECOXIB  
4823 ROFEXOCIB  
4827 VALDECOXIB  
4826 PARECOXIB  
4825 ETORICOXIB  
4828 LUMIRACOXIB  
4802 NABUMETONE  
5042 NIFLUMIC ACID  
16228 APAZONE DIHYDRATE (Azapropazone)  
51070 NIMESULIDE  
5046 FEPRAZONE  
5054 FENCLOFENAC  
5081 Flurbiprofen  
4999 CLOTAM (Tolfenaminsäure)

## Antihypertensive Drugs

### ACE-INHIBITORS

2202	IMIDAPRIL HCL
4555	CAPTOPRIL
4559	ENALAPRIL
4566	LISINOPRIL
4574	PERINDOPRIL
4575	RAMIPRIL
4578	CILAZAPRIL
4580	FOSINOPRIL
4592	MOEXIPRIL
4609	TRANDOLAPRIL
5776	QUINAPRIL
4584	Benazepril

### ACE-INHIBITORS AND DIURETICS

4618	PERINDOPRIL + INDAPAMIDE
4569	CAPTOPRIL W HYDROCHLORTH
4577	LISINOPRIL W HYDROCHLORO
4581	ENALAPRIL W HYDROCHLOROT
4590	benazepril hydrochlorothiazide
4608	Quinapril with hydrochlorothiazide

### ACE-INHIBITORS and CALCIUM CHANNEL BLOCKERS

4598 FELODIPINE+RAMIPRIL

#### Angiotensin II antagonists

4589 LOSARTAN

4596 VALSARTAN

4615 TELMISARTAN

4617 EPROSARTAN

6202 Candesartan cilexetil

6203 Irbesartan

24518 OLMESARTAN MEDOXOMIL

#### Angiotensin II inhibitors and diuretics

4595 COZAAR-COMP

6207 IRBESARTAN+HYDROCHLOROTH

#### Beta-blockers

1320 ACEBUTOLOL HCL

1321 TIMOLOL MALEATE

1326 ATENOLOL

4583 CELIPROLOL

4611 NEBIVOLOL

5710 PROPRANOLOL

5723 OXPRENOLOL HCL  
5732 PINDOLOL  
5754 NADOLOL  
5769 BETAXOLOL  
5778 ESMOLOL  
6140 METOPROLOL  
6188 BISOPROLOL FUMARATE  
6191 CARTEOLOL HCL TABLETS  
6164 LABETALOL HCL  
6166 SOTALOL HCL  
6198 CARVEDILOL  
4594 TENBEN  
5731 alprenolol  
6160 bupranolol hcl  
1327 penbutolol

Beta blockers with Calcium Channel Blockers

4568 ATENOLOL W NIFEDIPINE

Beta-blockers with Diuretic

4561 ATENOLOL W CHLORTHALIDON  
4562 NADOLOL W BENDROFLUMETHI  
5757 CLOPAMIDE W PINDOLOL  
5770 TIMOLOL AMILORIDE HYDROC  
5773 OXPRENOLOL W CYCLOPENTHI



6178 PROPRANOLOL W BENDROFLUA  
6180 METOPROLOL W HYDROCHLORO  
6182 METOPROLOL W CHLORTHALID  
6184 SOTALOL W HYDROCHLOROTHI  
6185 TIMOLOL W BENDROFLUAZIDE  
6196 BISOPROLOLFUMARATE W HYD  
6798 AMILORIDE,ATENOLOL,HYDRO  
16704 FUROSEMIDE W PENBUTOLOL  
6797 HYDROCHLOROTHIAZIDE W AC  
4599 HYDROCHLOROTHIAZIDE+TIMO  
4556 propranolol with hydrochlorothiazide

#### Calcium Channel Blockers

4579 FELODIPINE SR  
4587 LACIDIPINE  
4591 DILTIAEM + HYDROCHLOROT  
4597 NISOLDIPINE  
4598 FELODIPINE+RAMIPRIL  
4607 ISRADIPINE  
5733 VERAPAMIL  
5779 VERAPAMIL HCL 180MG/2MG  
6136 AMLODIPINE  
6145 NIFEDIPINE  
6148 PERHEXILINE MALEATE  
6156 LIDOFLAZINE  
6175 DILTIAZEM  
6189 NIMODIPINE

6187 NICARDIPINE  
6204 ZANIDIP  
6205 MIBEFRADIL

#### Diuretics

##### Thiazides

6716 Bendrofluazide  
4527 Benzthiazide  
6746 Chlorothiazide  
6734 Hydrochlorothiazide  
4524 Cyclopenthiazide  
6737 Polythiazide  
6742 Chlorthalidone (thiazide-like)  
6574 Mefruside (thiazide-like)  
6770 Xipamide (thiazide-like)  
6758 Metolazone  
6748 Hydroflumethiazide  
6764 Clopamide  
16703 Clopamide with potassium  
4554 Indapamide

##### Loop diurectics

6718 Furosemide  
6756 Bumetanide  
16711 Torasemide  
6720 Ethacrynic acid

Potassium-sparing diuretics

- 6719 Triamterene
- 6753 Amiloride
- 6701 Spironolactone
- 6420 Metyrapone

Diuretics / combinations

- 6702 Acetazolamide
- 16710 Bumetanide + amiloride
- 6794 Furosemide + amiloride
- 6795 Furosemide + triamterene
- 6785 Chlorthalidone + triamterene
- 6721 Hydrochlorothiazide + triamterene
- 6796 Furosemide + spironolactone
- 6717 spiro lactone + hydrochlorothiazide
- 6763 Spironolactone + thiazides
- 6750 Amiloride + hydrochlorothiazide
- 4576 Amiloride + cyclopenthiiazide
- 4515 RESERPINE W HYDROCHLOROTHIAZIDE PLUS
- 4525 CYCLOPENTHIAZIDE W POTASSIUM CHLORIDE
- 4517 METHYLCLOTHIAZIDE W DESERPIDINE
- 4530 CYCLOPENTHIAZIDE,RESERPINE,POTASSIUM CHLORIDE
- 4532 GUANETHIDINE,CYCLOPENTHIAZIDE,POTASSIUM CHLORIDE
- 4536 HYDROFLUMETHIAZIDE,KCL,RAUWOLFIA,SERPENTHE
- 4539 GUANETHIDINE W HYDROCHLOROTHIAZIDE
- 4544 BUTABARBITAL,HYDROCHLOROTHIAZIDE,RESERPINE

4557 HYDRALAZINE W HYDROCHLOROTHIAZIDE  
4564 METHOSERPIDINE W BENZTHIAZIDE  
4582 LISINOPRIL W HYDROCHLOROTHIAZIDE  
4585 ALKAVERVIR W EPITHIAZIDE  
4601 METHYLDOPA W HYDROCHLOROTHIAZIDE  
4602 (METHYLCLOTHIAZIDE W DESERPIDINE  
4603 METHYLDOPA W CHLOROTHIAZIDE  
6146 RESERPIN,DIHYDRALAZINE,HYDROCHLOROTHIAZIDE,KCL  
6707 HYDROCHLOROTHIAZIDE W POTASSIUM CHLORIDE  
6711 BENDROFLUMETHIAZIDE W POTASSIUM CHLORIDE  
6723 METHYLCLOTHIAZIDE  
6728 BENDROFLUMETHIAZIDE,RAUWOLFIA SERP,KCL  
6735 TRICHLORMETHIAZIDE  
6736 HYDROCHLOROTHIAZIDE W MEPROBAMATE  
6738 TRICHLOMETHIAZIDE W RESERPINE  
6739 CHLOROTHIAZIDE W RESERPINE  
6741 (GUANETHIDINE W HYDROCHLOROTHIAZIDE  
6744 CYCLOTHIAZIDE W POTASSIUM CHLORIDE  
6749 CYCLOTHIAZIDE  
6762 POLYTHIAZIDE W RESERPINE  
6771 BUTHIAZIDE  
6783 (SPIRONOLACTONE W HYDROCHLOROTHIAZID  
6789 TRIAMTERINE W BENZTHIAZIDE  
6792 (AMILORIDE W HYDROCHLOROTHIAZIDE  
9001 CRYPTENAMINE W METHYLCLOTHIAZIDE  
16701 CHLOROTHIAZIDE W SPIRONOLACTONE  
16702 CHLOROTHIAZIDE W SPIRONOLACTONE,LACTOSE

16709 ETHIAZIDE  
40007 HYDROCHLOROTHIAZIDE OR PLACEBO STUDY  
6731 QUINETHAZONE  
4545 DIHYDROERG,CLOPAMIDE,RESERPINE  
5758 PINDOLOL W CLOPAMIDE  
6782 CHLORTHALIDONE/POT.CHLORIDE  
6150 RESERPIN,MEFRUSID,INOSITONICOT  
6752 CLOREXOLONE  
6733 MERSALYL SODIUM  
9198 PHENOBARBITAL W THEOBROMINE  
4551 RESERPINE W FUROSEMIDE  
6768 FUROSEMIDE W POTASSIUM  
6793 (FUROSEMIDE W POTASSIUM  
6759 BUMETANIDE W POTASSIUM CHLORIDE  
4605 PIRETANIDE  
6790 TIENILIC ACID  
6784 ETHACRYNIC ACID W TRASICOR  
6766 ETOZOLIN  
6781 LASIX W SPIRONOLACTON  
6786 SPIRONOLACTONE W COMBINATIONS  
16708 POTASSIUM CANRENOATE  
16712 EPLERENONE  
4616 TRIAMTERINE+AMILORIDE  
6765 BEMETIZIDE W TRIAMTERENE

Alpha-agonists, centrally acting

4541 CLONIDINE

4523 METHYLDOPA

Alpha Agonist with Diuretic

4552 CLONIDINE W CHLORTHIAZIDE

ALPHA-BLOCKERS

selective alpha 1 adrenergic blockers

16023 ALFUZOSIN HCL

06142 PRAZOSIN

04572 DOXAZOSIN

04610 TAMSULOSIN

04570 TERAZOSIN

04606 INDORAMIN

selective alpha 2 adrenergic blockers

05913 (YOHIMBINE HCL)

non-selective alpha adrenergic blockers

01308 PHENOXYBENZAMINE HCL

04588 PHENTOLAMINE

11702 TOLAZOLINE HCL

04142 TRAZODONE HYDROCHLORIDE

IMIDAZOLINE

4593 MOXONIDINE

RENIN INHIBITORS

51015 ALISKIREN

VASODILATORS

2201 DIAZOXIDE

4501 HYDRALAZINE

4543 MINOXIDIL

Injectable antihypertensive for hypertensive crisis

4509 GUANETHIDINE SULPHATE

**Read codes used to compute Charlson Comorbidity Index**

AIDS (Score 6)

A788.00 Acquired immune deficiency syndrome

A788100 Asymptomatic human immunodeficiency virus infection

A788200 HIV infection with persistent generalised lymphadenopathy

A788300 Human immunodeficiency virus with constitutional disease

A788400 Human immunodeficiency virus with neurological disease  
 A788500 Human immunodeficiency virus with secondary infection  
 A788600 Human immunodeficiency virus with secondary cancers  
 A788U00 HIV disease result/haematological???? abnorms,NEC  
 A788V00 HIV disease resulting in multiple diseases CE  
 A788W00 HIV disease resulting in unspecified malignant neoplasm  
 A788X00 HIV disease resulting/unspcf infectious disease  
 A788y00 Human immunodeficiency virus with other clinical findings  
 A788z00 Acquired human immunodeficiency virus infection syndrome NOS  
 A789.00 Human immunodef virus resulting in other disease  
 A789000 HIV disease resulting in mycobacterial infection  
 A789100 HIV disease resulting in cytomegaloviral disease  
 A789200 HIV disease resulting in candidiasis  
 A789300 HIV disease resulting in Pneumocystis carinii pneumonia  
 A789400 HIV disease resulting in multiple infections  
 A789500 HIV disease resulting in Kaposi's sarcoma  
 A789600 HIV disease resulting in Burkitt's lymphoma  
 A789800 HIV disease resulting in multiple malignant neoplasms  
 A789900 HIV disease resulting in lymphoid interstitial pneumonitis  
 A789A00 HIV disease resulting in wasting syndrome  
 A789X00 HIV dis reslt/oth mal neopl/lymph,h'matopoetc? tissu  
 AyuC.00 [X]Human immunodeficiency virus disease  
 AyuC000 [X]HIV disease resulting in other bacterial infections  
 AyuC100 [X]HIV disease resulting in other viral infections  
 AyuC200 [X]HIV disease resulting in other mycoses  
 AyuC300 [X]HIV disease resulting in multiple infections



AyuC400 [X]HIV disease resulting/other infectious??? diseases  
AyuC500 [X]HIV disease resulting/unspcf infectious??? disease  
AyuC600 [X]HIV disease resulting in other non-Hodgkin's lymphoma  
AyuC700 [X]HIV dis reslt/oth mal neopl/lymph,h'matopoetc? tissu  
AyuC800 [X]HIV disease resulting in other malignant neoplasms  
AyuC900 [X]HIV disease resulting in unspecified malignant neoplasm  
AyuCA00 [X]HIV disease resulting in multiple diseases CE  
AyuCB00 [X]HIV disease result/haematological???? abnorms,NEC  
AyuCC00 [X]HIV disease resulting in other specified conditions  
AyuCD00 [X]Unspecified human immunodeficiency virus [HIV] disease

Any tumor except bladder cancer (score 2)

B....00	Neoplasms
B....11	Cancers
B0...00	Malignant neoplasm of lip, oral cavity and pharynx
B0...11	Carcinoma of lip, oral cavity and pharynx
B00..00	Malignant neoplasm of lip
B00..11	Carcinoma of lip
B000.00	Malignant neoplasm of upper lip, vermilion border
B000000	Malignant neoplasm of upper lip, external
B000100	Malignant neoplasm of upper lip, lipstick area
B000z00	Malignant neoplasm of upper lip, vermilion border NOS
B001.00	Malignant neoplasm of lower lip, vermilion border
B001000	Malignant neoplasm of lower lip, external
B001100	Malignant neoplasm of lower lip, lipstick area
B001z00	Malignant neoplasm of lower lip, vermilion border NOS
B002.00	Malignant neoplasm of upper lip, inner aspect
B002000	Malignant neoplasm of upper lip, buccal aspect
B002100	Malignant neoplasm of upper lip, frenulum
B002200	Malignant neoplasm of upper lip, mucosa
B002300	Malignant neoplasm of upper lip, oral aspect
B002z00	Malignant neoplasm of upper lip, inner aspect NOS
B003.00	Malignant neoplasm of lower lip, inner aspect
B003000	Malignant neoplasm of lower lip, buccal aspect
B003100	Malignant neoplasm of lower lip, frenulum
B003200	Malignant neoplasm of lower lip, mucosa
B003300	Malignant neoplasm of lower lip, oral aspect

B003z00 Malignant neoplasm of lower lip, inner aspect NOS  
 B004.00 Malignant neoplasm of lip unspecified, inner aspect  
 B004000 Malignant neoplasm of lip unspecified, buccal aspect  
 B004100 Malignant neoplasm of lip unspecified, frenulum  
 B004200 Malignant neoplasm of lip unspecified, mucosa  
 B004300 Malignant neoplasm of lip, oral aspect  
 B004z00 Malignant neoplasm of lip, inner aspect NOS  
 B005.00 Malignant neoplasm of commissure of lip  
 B006.00 Malignant neoplasm of overlapping lesion of lip  
 B007.00 Malignant neoplasm of lip, unspecified  
 B00y.00 Malignant neoplasm of other sites of lip  
 B00z.00 Malignant neoplasm of vermilion border of lip unspecified  
 B00z000 Malignant neoplasm of lip, unspecified, external  
 B00z100 Malignant neoplasm of lip, unspecified, lipstick area  
 B00zz00 Malignant neoplasm of lip, vermilion border NOS  
 B01..00 Malignant neoplasm of tongue  
 B010.00 Malignant neoplasm of base of tongue  
 B010.11 Malignant neoplasm of posterior third of tongue  
 B010000 Malignant neoplasm of base of tongue dorsal surface  
 B010z00 Malignant neoplasm of fixed part of tongue NOS  
 B011.00 Malignant neoplasm of dorsal surface of tongue  
 B011000 Malignant neoplasm of anterior 2/3 of tongue dorsal surface  
 B011100 Malignant neoplasm of midline of tongue  
 B011z00 Malignant neoplasm of dorsum of tongue NOS  
 B012.00 Malignant neoplasm of tongue, tip and lateral border  
 B013.00 Malignant neoplasm of ventral surface of tongue

B013000 Malignant neoplasm of anterior 2/3 of tongue ventral surface  
B013100 Malignant neoplasm of frenulum linguae  
B013z00 Malignant neoplasm of ventral tongue surface NOS  
B014.00 Malignant neoplasm of anterior 2/3 of tongue unspecified  
B015.00 Malignant neoplasm of tongue, junctional zone  
B016.00 Malignant neoplasm of lingual tonsil  
B017.00 Malignant overlapping lesion of tongue  
B01y.00 Malignant neoplasm of other sites of tongue  
B01z.00 Malignant neoplasm of tongue NOS  
B02..00 Malignant neoplasm of major salivary glands  
B020.00 Malignant neoplasm of parotid gland  
B021.00 Malignant neoplasm of submandibular gland  
B022.00 Malignant neoplasm of sublingual gland  
B023.00 Malignant neoplasm, overlapping lesion of major saliv gland  
B02y.00 Malignant neoplasm of other major salivary glands  
B02z.00 Malignant neoplasm of major salivary gland NOS  
B03..00 Malignant neoplasm of gum  
B030.00 Malignant neoplasm of upper gum  
B031.00 Malignant neoplasm of lower gum  
B03y.00 Malignant neoplasm of other sites of gum  
B03z.00 Malignant neoplasm of gum NOS  
B04..00 Malignant neoplasm of floor of mouth  
B040.00 Malignant neoplasm of anterior portion of floor of mouth  
B041.00 Malignant neoplasm of lateral portion of floor of mouth  
B042.00 Malignant neoplasm, overlapping lesion of floor of mouth  
B04y.00 Malignant neoplasm of other sites of floor of mouth

B04z.00 Malignant neoplasm of floor of mouth NOS

B05..00 Malignant neoplasm of other and unspecified parts of mouth

B050.00 Malignant neoplasm of cheek mucosa

B050.11 Malignant neoplasm of buccal mucosa

B051.00 Malignant neoplasm of vestibule of mouth

B051000 Malignant neoplasm of upper buccal sulcus

B051100 Malignant neoplasm of lower buccal sulcus

B051200 Malignant neoplasm of upper labial sulcus

B051300 Malignant neoplasm of lower labial sulcus

B051z00 Malignant neoplasm of vestibule of mouth NOS

B052.00 Malignant neoplasm of hard palate

B053.00 Malignant neoplasm of soft palate

B054.00 Malignant neoplasm of uvula

B055.00 Malignant neoplasm of palate unspecified

B055000 Malignant neoplasm of junction of hard and soft palate

B055100 Malignant neoplasm of roof of mouth

B055z00 Malignant neoplasm of palate NOS

B056.00 Malignant neoplasm of retromolar area

B057.00 Overlapping lesion of other and unspecified parts of mouth

B05y.00 Malignant neoplasm of other specified mouth parts

B05z.00 Malignant neoplasm of mouth NOS

B05z000 Kaposi's sarcoma of palate

B06..00 Malignant neoplasm of oropharynx

B060.00 Malignant neoplasm of tonsil

B060000 Malignant neoplasm of faucial tonsil

B060100 Malignant neoplasm of palatine tonsil

B060200 Malignant neoplasm of overlapping lesion of tonsil  
B060z00 Malignant neoplasm tonsil NOS  
B061.00 Malignant neoplasm of tonsillar fossa  
B062.00 Malignant neoplasm of tonsillar pillar  
B062000 Malignant neoplasm of faucial pillar  
B062100 Malignant neoplasm of glossopalatine fold  
B062200 Malignant neoplasm of palatoglossal arch  
B062300 Malignant neoplasm of palatopharyngeal arch  
B062z00 Malignant neoplasm of tonsillar fossa NOS  
B063.00 Malignant neoplasm of vallecula  
B064.00 Malignant neoplasm of anterior epiglottis  
B064000 Malignant neoplasm of epiglottis, free border  
B064100 Malignant neoplasm of glossoepiglottic fold  
B064z00 Malignant neoplasm of anterior epiglottis NOS  
B065.00 Malignant neoplasm of junctional region of epiglottis  
B066.00 Malignant neoplasm of lateral wall of oropharynx  
B067.00 Malignant neoplasm of posterior wall of oropharynx  
B06y.00 Malignant neoplasm of oropharynx, other specified sites  
B06y000 Malignant neoplasm of branchial cleft  
B06yz00 Malignant neoplasm of other specified site of oropharynx NOS  
B06z.00 Malignant neoplasm of oropharynx NOS  
B07..00 Malignant neoplasm of nasopharynx  
B070.00 Malignant neoplasm of roof of nasopharynx  
B071.00 Malignant neoplasm of posterior wall of nasopharynx  
B071000 Malignant neoplasm of adenoid  
B071100 Malignant neoplasm of pharyngeal tonsil

B071z00 Malignant neoplasm of posterior wall of nasopharynx NOS  
 B072.00 Malignant neoplasm of lateral wall of nasopharynx  
 B072000 Malignant neoplasm of pharyngeal recess  
 B072100 Malignant neoplasm of opening of auditory tube  
 B072z00 Malignant neoplasm of lateral wall of nasopharynx NOS  
 B073.00 Malignant neoplasm of anterior wall of nasopharynx  
 B073000 Malignant neoplasm of floor of nasopharynx  
 B073100 Malignant neoplasm of nasopharyngeal soft palate surface  
 B073200 Malignant neoplasm posterior margin nasal septum and choanae  
 B073z00 Malignant neoplasm of anterior wall of nasopharynx NOS  
 B074.00 Malignant neoplasm, overlapping lesion of nasopharynx  
 B07y.00 Malignant neoplasm of other specified site of nasopharynx  
 B07z.00 Malignant neoplasm of nasopharynx NOS  
 B08..00 Malignant neoplasm of hypopharynx  
 B080.00 Malignant neoplasm of postcricoid region  
 B081.00 Malignant neoplasm of pyriform sinus  
 B082.00 Malignant neoplasm aryepiglottic fold, hypopharyngeal aspect  
 B083.00 Malignant neoplasm of posterior pharynx  
 B084.00 Malignant neoplasm, overlapping lesion of hypopharynx  
 B08y.00 Malignant neoplasm of other specified hypopharyngeal site  
 B08z.00 Malignant neoplasm of hypopharynx NOS  
 B0z..00 Malig neop other/ill-defined sites lip, oral cavity, pharynx  
 B0z0.00 Malignant neoplasm of pharynx unspecified  
 B0z1.00 Malignant neoplasm of Waldeyer's ring  
 B0z2.00 Malignant neoplasm of laryngopharynx  
 B0zy.00 Malignant neoplasm of other sites lip, oral cavity, pharynx

B0zz.00	Malignant neoplasm of lip, oral cavity and pharynx NOS
B1...00	Malignant neoplasm of digestive organs and peritoneum
B1...11	Carcinoma of digestive organs and peritoneum
B10..00	Malignant neoplasm of oesophagus
B100.00	Malignant neoplasm of cervical oesophagus
B101.00	Malignant neoplasm of thoracic oesophagus
B102.00	Malignant neoplasm of abdominal oesophagus
B103.00	Malignant neoplasm of upper third of oesophagus
B104.00	Malignant neoplasm of middle third of oesophagus
B105.00	Malignant neoplasm of lower third of oesophagus
B106.00	Malignant neoplasm, overlapping lesion of oesophagus
B10y.00	Malignant neoplasm of other specified part of oesophagus
B10z.00	Malignant neoplasm of oesophagus NOS
B10z.11	Oesophageal cancer
B11..00	Malignant neoplasm of stomach
B11..11	Gastric neoplasm
B110.00	Malignant neoplasm of cardia of stomach
B110000	Malignant neoplasm of cardiac orifice of stomach
B110100	Malignant neoplasm of cardio-oesophageal junction of stomach
B110111	Malignant neoplasm of gastro-oesophageal junction
B110z00	Malignant neoplasm of cardia of stomach NOS
B111.00	Malignant neoplasm of pylorus of stomach
B111000	Malignant neoplasm of prepylorus of stomach
B111100	Malignant neoplasm of pyloric canal of stomach
B111z00	Malignant neoplasm of pylorus of stomach NOS
B112.00	Malignant neoplasm of pyloric antrum of stomach



B113.00 Malignant neoplasm of fundus of stomach

B114.00 Malignant neoplasm of body of stomach

B115.00 Malignant neoplasm of lesser curve of stomach unspecified

B116.00 Malignant neoplasm of greater curve of stomach unspecified

B117.00 Malignant neoplasm, overlapping lesion of stomach

B11y.00 Malignant neoplasm of other specified site of stomach

B11y000 Malignant neoplasm of anterior wall of stomach NEC

B11y100 Malignant neoplasm of posterior wall of stomach NEC

B11yz00 Malignant neoplasm of other specified site of stomach NOS

B11z.00 Malignant neoplasm of stomach NOS

B12..00 Malignant neoplasm of small intestine and duodenum

B120.00 Malignant neoplasm of duodenum

B121.00 Malignant neoplasm of jejunum

B122.00 Malignant neoplasm of ileum

B123.00 Malignant neoplasm of Meckel's diverticulum

B124.00 Malignant neoplasm, overlapping lesion of small intestine

B12y.00 Malignant neoplasm of other specified site small intestine

B12z.00 Malignant neoplasm of small intestine NOS

B13..00 Malignant neoplasm of colon

B130.00 Malignant neoplasm of hepatic flexure of colon

B131.00 Malignant neoplasm of transverse colon

B132.00 Malignant neoplasm of descending colon

B133.00 Malignant neoplasm of sigmoid colon

B134.00 Malignant neoplasm of caecum

B134.11 Carcinoma of caecum

B135.00 Malignant neoplasm of appendix

B136.00 Malignant neoplasm of ascending colon  
B137.00 Malignant neoplasm of splenic flexure of colon  
B138.00 Malignant neoplasm, overlapping lesion of colon  
B13y.00 Malignant neoplasm of other specified sites of colon  
B13z.00 Malignant neoplasm of colon NOS  
B13z.11 Colonic cancer  
B14..00 Malignant neoplasm of rectum, rectosigmoid junction and anus  
B140.00 Malignant neoplasm of rectosigmoid junction  
B141.00 Malignant neoplasm of rectum  
B141.11 Carcinoma of rectum  
B141.12 Rectal carcinoma  
B142.00 Malignant neoplasm of anal canal  
B142.11 Anal carcinoma  
B142000 Malignant neoplasm of cloacogenic zone  
B143.00 Malignant neoplasm of anus unspecified  
B14y.00 Malig neop other site rectum, rectosigmoid junction and anus  
B14z.00 Malignant neoplasm rectum,rectosigmoid junction and anus NOS  
B15..00 Malignant neoplasm of liver and intrahepatic bile ducts  
B150.00 Primary malignant neoplasm of liver  
B150000 Primary carcinoma of liver  
B150100 Hepatoblastoma of liver  
B150200 Primary angiosarcoma of liver  
B150300 Hepatocellular carcinoma  
B150z00 Primary malignant neoplasm of liver NOS  
B151.00 Malignant neoplasm of intrahepatic bile ducts  
B151000 Malignant neoplasm of interlobular bile ducts

B151100 Malignant neoplasm of interlobular biliary canals  
B151200 Malignant neoplasm of intrahepatic biliary passages  
B151300 Malignant neoplasm of intrahepatic canaliculi  
B151400 Malignant neoplasm of intrahepatic gall duct  
B151z00 Malignant neoplasm of intrahepatic bile ducts NOS  
B152.00 Malignant neoplasm of liver unspecified  
B15z.00 Malignant neoplasm of liver and intrahepatic bile ducts NOS  
B16..00 Malignant neoplasm gallbladder and extrahepatic bile ducts  
B160.00 Malignant neoplasm of gallbladder  
B160.11 Carcinoma gallbladder  
B161.00 Malignant neoplasm of extrahepatic bile ducts  
B161000 Malignant neoplasm of cystic duct  
B161100 Malignant neoplasm of hepatic duct  
B161200 Malignant neoplasm of common bile duct  
B161211 Carcinoma common bile duct  
B161300 Malignant neoplasm of sphincter of Oddi  
B161z00 Malignant neoplasm of extrahepatic bile ducts NOS  
B162.00 Malignant neoplasm of ampulla of Vater  
B163.00 Malignant neoplasm, overlapping lesion of biliary tract  
B16y.00 Malignant neoplasm other gallbladder/extrahepatic bile duct  
B16z.00 Malignant neoplasm gallbladder/extrahepatic bile ducts NOS  
B17..00 Malignant neoplasm of pancreas  
B170.00 Malignant neoplasm of head of pancreas  
B171.00 Malignant neoplasm of body of pancreas  
B172.00 Malignant neoplasm of tail of pancreas  
B173.00 Malignant neoplasm of pancreatic duct

B174.00	Malignant neoplasm of Islets of Langerhans
B175.00	Malignant neoplasm, overlapping lesion of pancreas
B17y.00	Malignant neoplasm of other specified sites of pancreas
B17y000	Malignant neoplasm of ectopic pancreatic tissue
B17yz00	Malignant neoplasm of specified site of pancreas NOS
B17z.00	Malignant neoplasm of pancreas NOS
B18..00	Malignant neoplasm of retroperitoneum and peritoneum
B180.00	Malignant neoplasm of retroperitoneum
B180000	Malignant neoplasm of periadrenal tissue
B180100	Malignant neoplasm of perinephric tissue
B180200	Malignant neoplasm of retrocaecal tissue
B180z00	Malignant neoplasm of retroperitoneum NOS
B181.00	Mesothelioma of peritoneum
B182.00	Overlapping malign lesion of retroperitoneum and peritoneum
B18y.00	Malignant neoplasm of specified parts of peritoneum
B18y000	Malignant neoplasm of mesocolon
B18y100	Malignant neoplasm of mesocaecum
B18y200	Malignant neoplasm of mesorectum
B18y300	Malignant neoplasm of omentum
B18y400	Malignant neoplasm of parietal peritoneum
B18y500	Malignant neoplasm of pelvic peritoneum
B18y600	Malignant neoplasm of the pouch of Douglas
B18y700	Malignant neoplasm of mesentery
B18yz00	Malignant neoplasm of specified parts of peritoneum NOS
B18z.00	Malignant neoplasm of retroperitoneum and peritoneum NOS
B1z..00	Malig neop oth/ill-defined sites digestive tract/peritoneum

B1z0.00	Malignant neoplasm of intestinal tract, part unspecified
B1z0.11	Cancer of bowel
B1z1.00	Malignant neoplasm of spleen NEC
B1z1000	Angiosarcoma of spleen
B1z1100	Fibrosarcoma of spleen
B1z1z00	Malignant neoplasm of spleen NOS
B1z2.00	Malignant neoplasm, overlapping lesion of digestive system
B1zy.00	Malignant neoplasm other spec digestive tract and peritoneum
B1zz.00	Malignant neoplasm of digestive tract and peritoneum NOS
B2...00	Malig neop of respiratory tract and intrathoracic organs
B2...11	Carcinoma of respiratory tract and intrathoracic organs
B20..00	Malig neop nasal cavities, middle ear and accessory sinuses
B200.00	Malignant neoplasm of nasal cavities
B200000	Malignant neoplasm of cartilage of nose
B200100	Malignant neoplasm of nasal conchae
B200200	Malignant neoplasm of septum of nose
B200300	Malignant neoplasm of vestibule of nose
B200z00	Malignant neoplasm of nasal cavities NOS
B201.00	Malig neop auditory tube, middle ear and mastoid air cells
B201000	Malignant neoplasm of auditory (Eustachian) tube
B201100	Malignant neoplasm of tympanic cavity
B201200	Malignant neoplasm of tympanic antrum
B201300	Malignant neoplasm of mastoid air cells
B201z00	Malig neop auditory tube, middle ear, mastoid air cells NOS
B202.00	Malignant neoplasm of maxillary sinus
B203.00	Malignant neoplasm of ethmoid sinus

B204.00	Malignant neoplasm of frontal sinus
B205.00	Malignant neoplasm of sphenoidal sinus
B206.00	Malignant neoplasm, overlapping lesion of accessory sinuses
B20y.00	Malig neop other site nasal cavity, middle ear and sinuses
B20z.00	Malignant neoplasm of accessory sinus NOS
B21..00	Malignant neoplasm of larynx
B210.00	Malignant neoplasm of glottis
B211.00	Malignant neoplasm of supraglottis
B212.00	Malignant neoplasm of subglottis
B213.00	Malignant neoplasm of laryngeal cartilage
B213000	Malignant neoplasm of arytenoid cartilage
B213100	Malignant neoplasm of cricoid cartilage
B213200	Malignant neoplasm of cuneiform cartilage
B213300	Malignant neoplasm of thyroid cartilage
B213z00	Malignant neoplasm of laryngeal cartilage NOS
B214.00	Malignant neoplasm, overlapping lesion of larynx
B215.00	Malignant neoplasm of epiglottis NOS
B21y.00	Malignant neoplasm of larynx, other specified site
B21z.00	Malignant neoplasm of larynx NOS
B22..00	Malignant neoplasm of trachea, bronchus and lung
B220.00	Malignant neoplasm of trachea
B220000	Malignant neoplasm of cartilage of trachea
B220100	Malignant neoplasm of mucosa of trachea
B220z00	Malignant neoplasm of trachea NOS
B221.00	Malignant neoplasm of main bronchus
B221000	Malignant neoplasm of carina of bronchus

B221100 Malignant neoplasm of hilus of lung

B221z00 Malignant neoplasm of main bronchus NOS

B222.00 Malignant neoplasm of upper lobe, bronchus or lung

B222.11 Pancoast's syndrome

B222000 Malignant neoplasm of upper lobe bronchus

B222100 Malignant neoplasm of upper lobe of lung

B222z00 Malignant neoplasm of upper lobe, bronchus or lung NOS

B223.00 Malignant neoplasm of middle lobe, bronchus or lung

B223000 Malignant neoplasm of middle lobe bronchus

B223100 Malignant neoplasm of middle lobe of lung

B223z00 Malignant neoplasm of middle lobe, bronchus or lung NOS

B224.00 Malignant neoplasm of lower lobe, bronchus or lung

B224000 Malignant neoplasm of lower lobe bronchus

B224100 Malignant neoplasm of lower lobe of lung

B224z00 Malignant neoplasm of lower lobe, bronchus or lung NOS

B225.00 Malignant neoplasm of overlapping lesion of bronchus & lung

B226.00 Mesothelioma

B22y.00 Malignant neoplasm of other sites of bronchus or lung

B22z.00 Malignant neoplasm of bronchus or lung NOS

B22z.11 Lung cancer

B23..00 Malignant neoplasm of pleura

B230.00 Malignant neoplasm of parietal pleura

B231.00 Malignant neoplasm of visceral pleura

B232.00 Mesothelioma of pleura

B23y.00 Malignant neoplasm of other specified pleura

B23z.00 Malignant neoplasm of pleura NOS

B24..00	Malignant neoplasm of thymus, heart and mediastinum
B240.00	Malignant neoplasm of thymus
B241.00	Malignant neoplasm of heart
B241000	Malignant neoplasm of endocardium
B241100	Malignant neoplasm of epicardium
B241200	Malignant neoplasm of myocardium
B241300	Malignant neoplasm of pericardium
B241400	Mesothelioma of pericardium
B241z00	Malignant neoplasm of heart NOS
B242.00	Malignant neoplasm of anterior mediastinum
B243.00	Malignant neoplasm of posterior mediastinum
B24X.00	Malignant neoplasm of mediastinum, part unspecified
B24y.00	Malig neop of other site of heart, thymus and mediastinum
B24z.00	Malignant neoplasm of heart, thymus and mediastinum NOS
B25..00	Malig neo, overlapping lesion of heart, mediastinum & pleura
B26..00	Malignant neoplasm, overlap lesion of resp & intrathor organs
B2z..00	Malig neop other/ill-defined sites resp/intrathoracic organs
B2z0.00	Malig neop of upper respiratory tract, part unspecified
B2zy.00	Malignant neoplasm of other site of respiratory tract
B2zz.00	Malignant neoplasm of respiratory tract NOS
B3...00	Malig neop of bone, connective tissue, skin and breast
B3...11	Carcinoma of bone, connective tissue, skin and breast
B3...12	Sarcoma of bone and connective tissue
B30..00	Malignant neoplasm of bone and articular cartilage
B30..11	Chondroma
B30..12	Osteoma



B300.00 Malignant neoplasm of bones of skull and face  
B300000 Malignant neoplasm of ethmoid bone  
B300100 Malignant neoplasm of frontal bone  
B300200 Malignant neoplasm of malar bone  
B300300 Malignant neoplasm of nasal bone  
B300400 Malignant neoplasm of occipital bone  
B300500 Malignant neoplasm of orbital bone  
B300600 Malignant neoplasm of parietal bone  
B300700 Malignant neoplasm of sphenoid bone  
B300800 Malignant neoplasm of temporal bone  
B300900 Malignant neoplasm of zygomatic bone  
B300A00 Malignant neoplasm of maxilla  
B300C00 Malignant neoplasm of vomer  
B300z00 Malignant neoplasm of bones of skull and face NOS  
B301.00 Malignant neoplasm of mandible  
B302.00 Malignant neoplasm of vertebral column  
B302000 Malignant neoplasm of cervical vertebra  
B302100 Malignant neoplasm of thoracic vertebra  
B302200 Malignant neoplasm of lumbar vertebra  
B302z00 Malignant neoplasm of vertebral column NOS  
B303.00 Malignant neoplasm of ribs, sternum and clavicle  
B303000 Malignant neoplasm of rib  
B303100 Malignant neoplasm of sternum  
B303200 Malignant neoplasm of clavicle  
B303300 Malignant neoplasm of costal cartilage  
B303400 Malignant neoplasm of costo-vertebral joint

B303500 Malignant neoplasm of xiphoid process  
B303z00 Malignant neoplasm of rib, sternum and clavicle NOS  
B304.00 Malignant neoplasm of scapula and long bones of upper arm  
B304000 Malignant neoplasm of scapula  
B304100 Malignant neoplasm of acromion  
B304200 Malignant neoplasm of humerus  
B304300 Malignant neoplasm of radius  
B304400 Malignant neoplasm of ulna  
B304z00 Malig neop of scapula and long bones of upper arm NOS  
B305.00 Malignant neoplasm of hand bones  
B305.11 Malignant neoplasm of carpal bones  
B305.12 Malignant neoplasm of metacarpal bones  
B305000 Malignant neoplasm of carpal bone - scaphoid  
B305100 Malignant neoplasm of carpal bone - lunate  
B305200 Malignant neoplasm of carpal bone - triquetrum  
B305300 Malignant neoplasm of carpal bone - pisiform  
B305400 Malignant neoplasm of carpal bone - trapezium  
B305500 Malignant neoplasm of carpal bone - trapezoid  
B305600 Malignant neoplasm of carpal bone - capitate  
B305700 Malignant neoplasm of carpal bone - hamate  
B305800 Malignant neoplasm of first metacarpal bone  
B305900 Malignant neoplasm of second metacarpal bone  
B305A00 Malignant neoplasm of third metacarpal bone  
B305C00 Malignant neoplasm of fifth metacarpal bone  
B305D00 Malignant neoplasm of phalanges of hand  
B305z00 Malignant neoplasm of hand bones NOS

B306.00 Malignant neoplasm of pelvic bones, sacrum and coccyx  
B306000 Malignant neoplasm of ilium  
B306100 Malignant neoplasm of ischium  
B306200 Malignant neoplasm of pubis  
B306300 Malignant neoplasm of sacral vertebra  
B306400 Malignant neoplasm of coccygeal vertebra  
B306500 Malignant sacral teratoma  
B306z00 Malignant neoplasm of pelvis, sacrum or coccyx NOS  
B307.00 Malignant neoplasm of long bones of leg  
B307000 Malignant neoplasm of femur  
B307100 Malignant neoplasm of fibula  
B307200 Malignant neoplasm of tibia  
B307z00 Malignant neoplasm of long bones of leg NOS  
B308.00 Malignant neoplasm of short bones of leg  
B308.11 Malignant neoplasm of metatarsal bones of foot  
B308000 Malignant neoplasm of patella  
B308100 Malignant neoplasm of talus  
B308200 Malignant neoplasm of calcaneum  
B308300 Malignant neoplasm of medial cuneiform  
B308400 Malignant neoplasm of intermediate cuneiform  
B308500 Malignant neoplasm of lateral cuneiform  
B308600 Malignant neoplasm of cuboid  
B308700 Malignant neoplasm of navicular  
B308800 Malignant neoplasm of first metatarsal bone  
B308900 Malignant neoplasm of second metatarsal bone  
B308A00 Malignant neoplasm of third metatarsal bone

B308C00 Malignant neoplasm of fifth metatarsal bone  
 B308D00 Malignant neoplasm of phalanges of foot  
 B308z00 Malignant neoplasm of short bones of leg NOS  
 B309.00 Malignant neoplasm, overlap les bone and artic cart of limbs  
 B30W.00 Malignant neoplasm/overlap lesion/bone??? cartilage  
 B30X.00 Malignant neoplasm/bones??? cartilage/limb,unspfd  
 B30z.00 Malignant neoplasm of bone and articular cartilage NOS  
 B30z000 Osteosarcoma  
 B31..00 Malignant neoplasm of connective and other soft tissue  
 B310.00 Malig neop of connective and soft tissue head, face and neck  
 B310000 Malignant neoplasm of soft tissue of head  
 B310100 Malignant neoplasm of soft tissue of face  
 B310200 Malignant neoplasm of soft tissue of neck  
 B310300 Malignant neoplasm of cartilage of ear  
 B310400 Malignant neoplasm of tarsus of eyelid  
 B310500 Malignant neoplasm soft tissues of cervical spine  
 B310z00 Malig neop connective and soft tissue head, face, neck NOS  
 B311.00 Malig neop connective and soft tissue upper limb/shoulder  
 B311000 Malignant neoplasm of connective and soft tissue of shoulder  
 B311100 Malignant neoplasm of connective and soft tissue, upper arm  
 B311200 Malignant neoplasm of connective and soft tissue of fore-arm  
 B311300 Malignant neoplasm of connective and soft tissue of hand  
 B311400 Malignant neoplasm of connective and soft tissue of finger  
 B311500 Malignant neoplasm of connective and soft tissue of thumb  
 B311z00 Malig neop connective soft tissue upper limb/shoulder NOS  
 B312.00 Malig neop of connective and soft tissue of hip and leg

B312000 Malignant neoplasm of connective and soft tissue of hip  
B312100 Malig neop of connective and soft tissue thigh and upper leg  
B312200 Malig neop connective and soft tissue of popliteal space  
B312300 Malig neop of connective and soft tissue of lower leg  
B312400 Malignant neoplasm of connective and soft tissue of foot  
B312500 Malignant neoplasm of connective and soft tissue of toe  
B312600 Malig neop of connective and soft tissue of great toe  
B312z00 Malig neop connective and soft tissue hip and leg NOS  
B313.00 Malignant neoplasm of connective and soft tissue of thorax  
B313000 Malignant neoplasm of connective and soft tissue of axilla  
B313100 Malignant neoplasm of diaphragm  
B313200 Malignant neoplasm of great vessels  
B313300 Malig neoplasm of connective and soft tissues of thor spine  
B313z00 Malig neop of connective and soft tissue of thorax NOS  
B314.00 Malignant neoplasm of connective and soft tissue of abdomen  
B314000 Malig neop of connective and soft tissue of abdominal wall  
B314100 Malig neoplasm of connective and soft tissues of lumb spine  
B314z00 Malig neop of connective and soft tissue of abdomen NOS  
B315.00 Malignant neoplasm of connective and soft tissue of pelvis  
B315000 Malignant neoplasm of connective and soft tissue of buttock  
B315100 Malig neop of connective and soft tissue of inguinal region  
B315200 Malignant neoplasm of connective and soft tissue of perineum  
B315300 Malig neopl of connective and soft tissue - sacrum or coccyx  
B315z00 Malig neop of connective and soft tissue of pelvis NOS  
B316.00 Malig neop of connective and soft tissue trunk unspecified  
B317.00 Malignant neoplasm, overlap lesion connective & soft tissue

B31y.00	Malig neop connective and soft tissue other specified site
B31z.00	Malignant neoplasm of connective and soft tissue, site NOS
B31z000	Kaposi's sarcoma of soft tissue
B32..00	Malignant melanoma of skin
B320.00	Malignant melanoma of lip
B321.00	Malignant melanoma of eyelid including canthus
B322.00	Malignant melanoma of ear and external auricular canal
B322000	Malignant melanoma of auricle (ear)
B322100	Malignant melanoma of external auditory meatus
B322z00	Malignant melanoma of ear and external auricular canal NOS
B323.00	Malignant melanoma of other and unspecified parts of face
B323000	Malignant melanoma of external surface of cheek
B323100	Malignant melanoma of chin
B323200	Malignant melanoma of eyebrow
B323300	Malignant melanoma of forehead
B323400	Malignant melanoma of external surface of nose
B323500	Malignant melanoma of temple
B323z00	Malignant melanoma of face NOS
B324.00	Malignant melanoma of scalp and neck
B324000	Malignant melanoma of scalp
B324100	Malignant melanoma of neck
B324z00	Malignant melanoma of scalp and neck NOS
B325.00	Malignant melanoma of trunk (excluding scrotum)
B325000	Malignant melanoma of axilla
B325100	Malignant melanoma of breast
B325200	Malignant melanoma of buttock

B325300 Malignant melanoma of groin  
B325400 Malignant melanoma of perianal skin  
B325500 Malignant melanoma of perineum  
B325600 Malignant melanoma of umbilicus  
B325700 Malignant melanoma of back  
B325800 Malignant melanoma of chest wall  
B325z00 Malignant melanoma of trunk, excluding scrotum, NOS  
B326.00 Malignant melanoma of upper limb and shoulder  
B326000 Malignant melanoma of shoulder  
B326100 Malignant melanoma of upper arm  
B326200 Malignant melanoma of fore-arm  
B326300 Malignant melanoma of hand  
B326400 Malignant melanoma of finger  
B326500 Malignant melanoma of thumb  
B326z00 Malignant melanoma of upper limb or shoulder NOS  
B327.00 Malignant melanoma of lower limb and hip  
B327000 Malignant melanoma of hip  
B327100 Malignant melanoma of thigh  
B327200 Malignant melanoma of knee  
B327300 Malignant melanoma of popliteal fossa area  
B327400 Malignant melanoma of lower leg  
B327500 Malignant melanoma of ankle  
B327600 Malignant melanoma of heel  
B327700 Malignant melanoma of foot  
B327800 Malignant melanoma of toe  
B327900 Malignant melanoma of great toe

B327z00	Malignant melanoma of lower limb or hip NOS
B32y.00	Malignant melanoma of other specified skin site
B32y000	Overlapping malignant melanoma of skin
B32z.00	Malignant melanoma of skin NOS
B33..00	Other malignant neoplasm of skin
B33..12	Epithelioma
B33..14	Malignant neoplasm of sebaceous gland
B33..15	Malignant neoplasm of sweat gland
B330.00	Malignant neoplasm of skin of lip
B331.00	Malignant neoplasm of eyelid including canthus
B331000	Malignant neoplasm of canthus
B331100	Malignant neoplasm of upper eyelid
B331200	Malignant neoplasm of lower eyelid
B332.00	Malignant neoplasm skin of ear and external auricular canal
B332000	Malignant neoplasm of skin of auricle (ear)
B332100	Malignant neoplasm of skin of external auditory meatus
B332200	Malignant neoplasm of pinna NEC
B332z00	Malig neop skin of ear and external auricular canal NOS
B333.00	Malignant neoplasm skin of other and unspecified parts face
B333000	Malignant neoplasm of skin of cheek, external
B333100	Malignant neoplasm of skin of chin
B333200	Malignant neoplasm of skin of eyebrow
B333300	Malignant neoplasm of skin of forehead
B333400	Malignant neoplasm of skin of nose (external)
B333500	Malignant neoplasm of skin of temple
B333z00	Malignant neoplasm skin other and unspec part of face NOS



B334.00 Malignant neoplasm of scalp and skin of neck  
B334000 Malignant neoplasm of scalp  
B334100 Malignant neoplasm of skin of neck  
B334z00 Malignant neoplasm of scalp or skin of neck NOS  
B335.00 Malignant neoplasm of skin of trunk, excluding scrotum  
B335000 Malignant neoplasm of skin of axillary fold  
B335100 Malignant neoplasm of skin of chest, excluding breast  
B335200 Malignant neoplasm of skin of breast  
B335300 Malignant neoplasm of skin of abdominal wall  
B335400 Malignant neoplasm of skin of umbilicus  
B335500 Malignant neoplasm of skin of groin  
B335600 Malignant neoplasm of skin of perineum  
B335700 Malignant neoplasm of skin of back  
B335800 Malignant neoplasm of skin of buttock  
B335900 Malignant neoplasm of perianal skin  
B335A00 Malignant neoplasm of skin of scapular region  
B335z00 Malignant neoplasm of skin of trunk, excluding scrotum, NOS  
B336.00 Malignant neoplasm of skin of upper limb and shoulder  
B336000 Malignant neoplasm of skin of shoulder  
B336100 Malignant neoplasm of skin of upper arm  
B336200 Malignant neoplasm of skin of fore-arm  
B336300 Malignant neoplasm of skin of hand  
B336400 Malignant neoplasm of skin of finger  
B336500 Malignant neoplasm of skin of thumb  
B336z00 Malignant neoplasm of skin of upper limb or shoulder NOS  
B337.00 Malignant neoplasm of skin of lower limb and hip

B337000	Malignant neoplasm of skin of hip
B337100	Malignant neoplasm of skin of thigh
B337200	Malignant neoplasm of skin of knee
B337300	Malignant neoplasm of skin of popliteal fossa area
B337400	Malignant neoplasm of skin of lower leg
B337500	Malignant neoplasm of skin of ankle
B337600	Malignant neoplasm of skin of heel
B337700	Malignant neoplasm of skin of foot
B337800	Malignant neoplasm of skin of toe
B337900	Malignant neoplasm of skin of great toe
B337z00	Malignant neoplasm of skin of lower limb or hip NOS
B339.00	Dermatofibrosarcoma protuberans
B33X.00	Malignant neoplasm overlapping lesion of skin
B33y.00	Malignant neoplasm of other specified skin sites
B33z.00	Malignant neoplasm of skin NOS
B33z000	Kaposi's sarcoma of skin
B34..00	Malignant neoplasm of female breast
B34..11	Ca female breast
B340.00	Malignant neoplasm of nipple and areola of female breast
B340000	Malignant neoplasm of nipple of female breast
B340100	Malignant neoplasm of areola of female breast
B340z00	Malignant neoplasm of nipple or areola of female breast NOS
B341.00	Malignant neoplasm of central part of female breast
B342.00	Malignant neoplasm of upper-inner quadrant of female breast
B343.00	Malignant neoplasm of lower-inner quadrant of female breast
B344.00	Malignant neoplasm of upper-outer quadrant of female breast

B345.00	Malignant neoplasm of lower-outer quadrant of female breast
B346.00	Malignant neoplasm of axillary tail of female breast
B347.00	Malignant neoplasm, overlapping lesion of breast
B34y.00	Malignant neoplasm of other site of female breast
B34y000	Malignant neoplasm of ectopic site of female breast
B34yz00	Malignant neoplasm of other site of female breast NOS
B34z.00	Malignant neoplasm of female breast NOS
B35..00	Malignant neoplasm of male breast
B350.00	Malignant neoplasm of nipple and areola of male breast
B350000	Malignant neoplasm of nipple of male breast
B350100	Malignant neoplasm of areola of male breast
B350z00	Malignant neoplasm of nipple or areola of male breast NOS
B35z.00	Malignant neoplasm of other site of male breast
B35z000	Malignant neoplasm of ectopic site of male breast
B35zz00	Malignant neoplasm of male breast NOS
B3y..00	Malig neop of bone, connective tissue, skin and breast OS
B3z..00	Malig neop of bone, connective tissue, skin and breast NOS
B4...00	Malignant neoplasm of genitourinary organ
B4...11	Carcinoma of genitourinary organ
B40..00	Malignant neoplasm of uterus, part unspecified
B41..00	Malignant neoplasm of cervix uteri
B41..11	Cervical carcinoma (uterus)
B410.00	Malignant neoplasm of endocervix
B410000	Malignant neoplasm of endocervical canal
B410100	Malignant neoplasm of endocervical gland
B410z00	Malignant neoplasm of endocervix NOS

B411.00	Malignant neoplasm of exocervix
B412.00	Malignant neoplasm, overlapping lesion of cervix uteri
B41y.00	Malignant neoplasm of other site of cervix
B41y000	Malignant neoplasm of cervical stump
B41y100	Malignant neoplasm of squamocolumnar junction of cervix
B41yz00	Malignant neoplasm of other site of cervix NOS
B41z.00	Malignant neoplasm of cervix uteri NOS
B42..00	Malignant neoplasm of placenta
B420.00	Choriocarcinoma
B43..00	Malignant neoplasm of body of uterus
B430.00	Malignant neoplasm of corpus uteri, excluding isthmus
B430000	Malignant neoplasm of cornu of corpus uteri
B430100	Malignant neoplasm of fundus of corpus uteri
B430200	Malignant neoplasm of endometrium of corpus uteri
B430211	Malignant neoplasm of endometrium
B430300	Malignant neoplasm of myometrium of corpus uteri
B430z00	Malignant neoplasm of corpus uteri NOS
B431.00	Malignant neoplasm of isthmus of uterine body
B431000	Malignant neoplasm of lower uterine segment
B431z00	Malignant neoplasm of isthmus of uterine body NOS
B432.00	Malignant neoplasm of overlapping lesion of corpus uteri
B43y.00	Malignant neoplasm of other site of uterine body
B43z.00	Malignant neoplasm of body of uterus NOS
B44..00	Malignant neoplasm of ovary and other uterine adnexa
B440.00	Malignant neoplasm of ovary
B440.11	Cancer of ovary

B441.00	Malignant neoplasm of fallopian tube
B442.00	Malignant neoplasm of broad ligament
B443.00	Malignant neoplasm of parametrium
B444.00	Malignant neoplasm of round ligament
B44y.00	Malignant neoplasm of other site of uterine adnexa
B44z.00	Malignant neoplasm of uterine adnexa NOS
B45..00	Malig neop of other and unspecified female genital organs
B450.00	Malignant neoplasm of vagina
B450000	Malignant neoplasm of Gartner's duct
B450100	Malignant neoplasm of vaginal vault
B450z00	Malignant neoplasm of vagina NOS
B451.00	Malignant neoplasm of labia majora
B451000	Malignant neoplasm of greater vestibular (Bartholin's) gland
B451z00	Malignant neoplasm of labia majora NOS
B452.00	Malignant neoplasm of labia minora
B453.00	Malignant neoplasm of clitoris
B454.00	Malignant neoplasm of vulva unspecified
B454.11	Primary vulval cancer
B45X.00	Malignant neoplasm/overlapping lesion/feml genital organs
B45y.00	Malignant neoplasm of other specified female genital organ
B45y000	Malignant neoplasm of overlapping lesion of vulva
B45z.00	Malignant neoplasm of female genital organ NOS
B46..00	Malignant neoplasm of prostate
B47..00	Malignant neoplasm of testis
B470.00	Malignant neoplasm of undescended testis
B470000	Malignant neoplasm of ectopic testis

B470100 Malignant neoplasm of retained testis  
B470200 Seminoma of undescended testis  
B470300 Teratoma of undescended testis  
B470z00 Malignant neoplasm of undescended testis NOS  
B471.00 Malignant neoplasm of descended testis  
B471000 Seminoma of descended testis  
B471100 Teratoma of descended testis  
B47z.00 Malignant neoplasm of testis NOS  
B47z.11 Seminoma of testis  
B47z.12 Teratoma of testis  
B48..00 Malignant neoplasm of penis and other male genital organs  
B480.00 Malignant neoplasm of prepuce (foreskin)  
B481.00 Malignant neoplasm of glans penis  
B482.00 Malignant neoplasm of body of penis  
B483.00 Malignant neoplasm of penis, part unspecified  
B484.00 Malignant neoplasm of epididymis  
B485.00 Malignant neoplasm of spermatic cord  
B486.00 Malignant neoplasm of scrotum  
B487.00 Malignant neoplasm, overlapping lesion of penis  
B48y.00 Malignant neoplasm of other male genital organ  
B48y000 Malignant neoplasm of seminal vesicle  
B48y100 Malignant neoplasm of tunica vaginalis  
B48y200 Malignant neoplasm, overlapping lesion male genital orgs  
B48yz00 Malignant neoplasm of other male genital organ NOS  
B48z.00 Malignant neoplasm of penis and other male genital organ NOS  
B4A..00 Malig neop of kidney and other unspecified urinary organs

B4A..11	Renal malignant neoplasm
B4A0.00	Malignant neoplasm of kidney parenchyma
B4A0000	Hypernephroma
B4A1.00	Malignant neoplasm of renal pelvis
B4A1000	Malignant neoplasm of renal calyces
B4A1100	Malignant neoplasm of ureteropelvic junction
B4A1z00	Malignant neoplasm of renal pelvis NOS
B4A2.00	Malignant neoplasm of ureter
B4A3.00	Malignant neoplasm of urethra
B4A4.00	Malignant neoplasm of paraurethral glands
B4Ay.00	Malignant neoplasm of other urinary organs
B4Ay000	Malignant neoplasm of overlapping lesion of urinary organs
B4Az.00	Malignant neoplasm of kidney or urinary organs NOS
B4y..00	Malignant neoplasm of genitourinary organ OS
B4z..00	Malignant neoplasm of genitourinary organ NOS
B5...00	Malignant neoplasm of other and unspecified sites
B5...11	Carcinoma of other and unspecified sites
B50..00	Malignant neoplasm of eye
B500.00	Malig neop eyeball excl conjunctiva, cornea, retina, choroid
B500000	Malignant neoplasm of ciliary body
B500100	Malignant neoplasm of iris
B500200	Malignant neoplasm of crystalline lens
B500300	Malignant neoplasm of sclera
B500z00	Malignant neoplasm of eyeball NOS
B501.00	Malignant neoplasm of orbit
B501000	Malignant neoplasm of connective tissue of orbit

B501100 Malignant neoplasm of extraocular muscle of orbit  
B501z00 Malignant neoplasm of orbit NOS  
B502.00 Malignant neoplasm of lacrimal gland  
B503.00 Malignant neoplasm of conjunctiva  
B504.00 Malignant neoplasm of cornea  
B505.00 Malignant neoplasm of retina  
B506.00 Malignant neoplasm of choroid  
B507.00 Malignant neoplasm of lacrimal duct  
B507000 Malignant neoplasm of lacrimal sac  
B507100 Malignant neoplasm of nasolacrimal duct  
B507z00 Malignant neoplasm of lacrimal duct NOS  
B508.00 Malignant neoplasm, overlapping lesion of eye and adnexa  
B50y.00 Malignant neoplasm of other specified site of eye  
B50z.00 Malignant neoplasm of eye NOS  
B51..00 Malignant neoplasm of brain  
B51..11 Cerebral tumour - malignant  
B510.00 Malignant neoplasm cerebrum (excluding lobes and ventricles)  
B510000 Malignant neoplasm of basal ganglia  
B510100 Malignant neoplasm of cerebral cortex  
B510200 Malignant neoplasm of corpus striatum  
B510300 Malignant neoplasm of globus pallidus  
B510400 Malignant neoplasm of hypothalamus  
B510500 Malignant neoplasm of thalamus  
B510z00 Malignant neoplasm of cerebrum NOS  
B511.00 Malignant neoplasm of frontal lobe  
B512.00 Malignant neoplasm of temporal lobe



B512000	Malignant neoplasm of hippocampus
B512100	Malignant neoplasm of uncus
B512z00	Malignant neoplasm of temporal lobe NOS
B513.00	Malignant neoplasm of parietal lobe
B514.00	Malignant neoplasm of occipital lobe
B515.00	Malignant neoplasm of cerebral ventricles
B515000	Malignant neoplasm of choroid plexus
B515100	Malignant neoplasm of floor of cerebral ventricle
B515z00	Malignant neoplasm of cerebral ventricle NOS
B516.00	Malignant neoplasm of cerebellum
B517.00	Malignant neoplasm of brain stem
B517000	Malignant neoplasm of cerebral peduncle
B517100	Malignant neoplasm of medulla oblongata
B517200	Malignant neoplasm of midbrain
B517300	Malignant neoplasm of pons
B517z00	Malignant neoplasm of brain stem NOS
B51y.00	Malignant neoplasm of other parts of brain
B51y000	Malignant neoplasm of corpus callosum
B51y100	Malignant neoplasm of tapetum
B51y200	Malignant neoplasm, overlapping lesion of brain
B51yz00	Malignant neoplasm of other part of brain NOS
B51z.00	Malignant neoplasm of brain NOS
B52..00	Malig neop of other and unspecified parts of nervous system
B520.00	Malignant neoplasm of cranial nerves
B520000	Malignant neoplasm of olfactory bulb
B520100	Malignant neoplasm of optic nerve

B520200	Malignant neoplasm of acoustic nerve
B520z00	Malignant neoplasm of cranial nerves NOS
B521.00	Malignant neoplasm of cerebral meninges
B521000	Malignant neoplasm of cerebral dura mater
B521100	Malignant neoplasm of cerebral arachnoid mater
B521200	Malignant neoplasm of cerebral pia mater
B521z00	Malignant neoplasm of cerebral meninges NOS
B522.00	Malignant neoplasm of spinal cord
B523.00	Malignant neoplasm of spinal meninges
B523000	Malignant neoplasm of spinal dura mater
B523100	Malignant neoplasm of spinal arachnoid mater
B523200	Malignant neoplasm of spinal pia mater
B523z00	Malignant neoplasm of spinal meninges NOS
B524.00	Malig neopl peripheral nerves and autonomic nervous system
B524000	Malignant neoplasm of peripheral nerves of head, face & neck
B524100	Malignant neoplasm of peripheral nerve,upp limb,incl should
B524200	Malignant neoplasm of peripheral nerve of low limb, incl hip
B524300	Malignant neoplasm of peripheral nerve of thorax
B524400	Malignant neoplasm of peripheral nerve of abdomen
B524500	Malignant neoplasm of peripheral nerve of pelvis
B524600	Malignant neoplasm,overlap lesion periph nerve & auton ns
B524W00	Mal neoplasm/periph nerves??? nervous system,unspc
B524X00	Malignant neoplasm/peripheral nerves of trunk,unspecified
B525.00	Malignant neoplasm of cauda equina
B52W.00	Malig neopl, overlap lesion brain & other part of CNS
B52X.00	Malignant neoplasm of meninges, unspecified

B52y.00	Malignant neoplasm of other specified part of nervous system
B52z.00	Malignant neoplasm of nervous system NOS
B53..00	Malignant neoplasm of thyroid gland
B54..00	Malig neop of other endocrine glands and related structures
B540.00	Malignant neoplasm of adrenal gland
B540.11	Phaeochromocytoma
B540000	Malignant neoplasm of adrenal cortex
B540100	Malignant neoplasm of adrenal medulla
B540z00	Malignant neoplasm of adrenal gland NOS
B541.00	Malignant neoplasm of parathyroid gland
B542.00	Malignant neoplasm pituitary gland and craniopharyngeal duct
B542000	Malignant neoplasm of pituitary gland
B542100	Malignant neoplasm of craniopharyngeal duct
B542z00	Malig neop pituitary gland or craniopharyngeal duct NOS
B543.00	Malignant neoplasm of pineal gland
B544.00	Malignant neoplasm of carotid body
B545.00	Malignant neoplasm of aortic body and other paraganglia
B545000	Malignant neoplasm of glomus jugulare
B545100	Malignant neoplasm of aortic body
B545200	Malignant neoplasm of coccygeal body
B545z00	Malignant neoplasm of aortic body or paraganglia NOS
B54X.00	Malignant neoplasm-pluriglandular involvement,unspecified
B54y.00	Malignant neoplasm of other specified endocrine gland
B54z.00	Malig neop of endocrine gland or related structure NOS
B55..00	Malignant neoplasm of other and ill-defined sites
B550.00	Malignant neoplasm of head, neck and face

B550000	Malignant neoplasm of head NOS
B550100	Malignant neoplasm of cheek NOS
B550200	Malignant neoplasm of nose NOS
B550300	Malignant neoplasm of jaw NOS
B550400	Malignant neoplasm of neck NOS
B550500	Malignant neoplasm of supraclavicular fossa NOS
B550z00	Malignant neoplasm of head, neck and face NOS
B551.00	Malignant neoplasm of thorax
B551000	Malignant neoplasm of axilla NOS
B551100	Malignant neoplasm of chest wall NOS
B551200	Malignant neoplasm of intrathoracic site NOS
B551z00	Malignant neoplasm of thorax NOS
B552.00	Malignant neoplasm of abdomen
B553.00	Malignant neoplasm of pelvis
B553000	Malignant neoplasm of inguinal region NOS
B553100	Malignant neoplasm of presacral region
B553200	Malignant neoplasm of sacrococcygeal region
B553z00	Malignant neoplasm of pelvis NOS
B554.00	Malignant neoplasm of upper limb NOS
B555.00	Malignant neoplasm of lower limb NOS
B55y.00	Malignant neoplasm of other specified sites
B55y000	Malignant neoplasm of back NOS
B55y100	Malignant neoplasm of trunk NOS
B55y200	Malignant neoplasm of flank NOS
B55yz00	Malignant neoplasm of specified site NOS
B55z.00	Malignant neoplasm of other and ill defined site NOS

B59zX00	Kaposi's sarcoma, unspecified
B6...00	Malignant neoplasm of lymphatic and haemopoietic tissue
B6...11	Malignant neoplasm of histiocytic tissue
B60..00	Lymphosarcoma and reticulosarcoma
B600.00	Reticulosarcoma
B600000	Reticulosarcoma of unspecified site
B600100	Reticulosarcoma of lymph nodes of head, face and neck
B600200	Reticulosarcoma of intrathoracic lymph nodes
B600300	Reticulosarcoma of intra-abdominal lymph nodes
B600400	Reticulosarcoma of lymph nodes of axilla and upper limb
B600500	Reticulosarcoma of lymph nodes of inguinal region and leg
B600600	Reticulosarcoma of intrapelvic lymph nodes
B600700	Reticulosarcoma of spleen
B600800	Reticulosarcoma of lymph nodes of multiple sites
B600z00	Reticulosarcoma NOS
B601.00	Lymphosarcoma
B601000	Lymphosarcoma of unspecified site
B601100	Lymphosarcoma of lymph nodes of head, face and neck
B601200	Lymphosarcoma of intrathoracic lymph nodes
B601300	Lymphosarcoma of intra-abdominal lymph nodes
B601400	Lymphosarcoma of lymph nodes of axilla and upper limb
B601500	Lymphosarcoma of lymph nodes of inguinal region and leg
B601600	Lymphosarcoma of intrapelvic lymph nodes
B601700	Lymphosarcoma of spleen
B601800	Lymphosarcoma of lymph nodes of multiple sites
B601z00	Lymphosarcoma NOS

B602.00	Burkitt's lymphoma
B602000	Burkitt's lymphoma of unspecified site
B602100	Burkitt's lymphoma of lymph nodes of head, face and neck
B602200	Burkitt's lymphoma of intrathoracic lymph nodes
B602300	Burkitt's lymphoma of intra-abdominal lymph nodes
B602400	Burkitt's lymphoma of lymph nodes of axilla and upper limb
B602500	Burkitt's lymphoma of lymph nodes of inguinal region and leg
B602600	Burkitt's lymphoma of intrapelvic lymph nodes
B602700	Burkitt's lymphoma of spleen
B602800	Burkitt's lymphoma of lymph nodes of multiple sites
B602z00	Burkitt's lymphoma NOS
B60y.00	Other specified reticulosarcoma or lymphosarcoma
B60z.00	Reticulosarcoma or lymphosarcoma NOS
B61..00	Hodgkin's disease
B610.00	Hodgkin's paragranuloma
B610000	Hodgkin's paragranuloma of unspecified site
B610100	Hodgkin's paragranuloma of lymph nodes of head, face, neck
B610200	Hodgkin's paragranuloma of intrathoracic lymph nodes
B610300	Hodgkin's paragranuloma of intra-abdominal lymph nodes
B610400	Hodgkin's paragranuloma of lymph nodes of axilla and arm
B610500	Hodgkin's paragranuloma lymph nodes inguinal region and leg
B610600	Hodgkin's paragranuloma of intrapelvic lymph nodes
B610700	Hodgkin's paragranuloma of spleen
B610800	Hodgkin's paragranuloma of lymph nodes of multiple sites
B610z00	Hodgkin's paragranuloma NOS
B611.00	Hodgkin's granuloma

B611000 Hodgkin's granuloma of unspecified site  
B611100 Hodgkin's granuloma of lymph nodes of head, face and neck  
B611200 Hodgkin's granuloma of intrathoracic lymph nodes  
B611300 Hodgkin's granuloma of intra-abdominal lymph nodes  
B611400 Hodgkin's granuloma of lymph nodes of axilla and upper limb  
B611500 Hodgkin's granuloma lymph nodes of inguinal region and leg  
B611600 Hodgkin's granuloma of intrapelvic lymph nodes  
B611700 Hodgkin's granuloma of spleen  
B611800 Hodgkin's granuloma of lymph nodes of multiple sites  
B611z00 Hodgkin's granuloma NOS  
B612.00 Hodgkin's sarcoma  
B612000 Hodgkin's sarcoma of unspecified site  
B612100 Hodgkin's sarcoma of lymph nodes of head, face and neck  
B612200 Hodgkin's sarcoma of intrathoracic lymph nodes  
B612300 Hodgkin's sarcoma of intra-abdominal lymph nodes  
B612400 Hodgkin's sarcoma of lymph nodes of axilla and upper limb  
B612500 Hodgkin's sarcoma of lymph nodes of inguinal region and leg  
B612600 Hodgkin's sarcoma of intrapelvic lymph nodes  
B612700 Hodgkin's sarcoma of spleen  
B612800 Hodgkin's sarcoma of lymph nodes of multiple sites  
B612z00 Hodgkin's sarcoma NOS  
B613.00 Hodgkin's disease, lymphocytic-histiocytic predominance  
B613000 Hodgkin's, lymphocytic-histiocytic predominance unspec site  
B613100 Hodgkin's, lymphocytic-histiocytic pred of head, face, neck  
B613200 Hodgkin's, lymphocytic-histiocytic pred intrathoracic nodes  
B613300 Hodgkin's, lymphocytic-histiocytic pred intra-abdominal node

B613400 Hodgkin's, lymphocytic-histiocytic pred axilla and arm  
B613500 Hodgkin's, lymphocytic-histiocytic pred inguinal and leg  
B613600 Hodgkin's, lymphocytic-histiocytic pred intrapelvic nodes  
B613700 Hodgkin's, lymphocytic-histiocytic predominance of spleen  
B613800 Hodgkin's, lymphocytic-histiocytic pred of multiple sites  
B613z00 Hodgkin's, lymphocytic-histiocytic predominance NOS  
B614.00 Hodgkin's disease, nodular sclerosis  
B614000 Hodgkin's disease, nodular sclerosis of unspecified site  
B614100 Hodgkin's nodular sclerosis of head, face and neck  
B614200 Hodgkin's nodular sclerosis of intrathoracic lymph nodes  
B614300 Hodgkin's nodular sclerosis of intra-abdominal lymph nodes  
B614400 Hodgkin's nodular sclerosis of lymph nodes of axilla and arm  
B614500 Hodgkin's nodular sclerosis of inguinal region and leg  
B614600 Hodgkin's nodular sclerosis of intrapelvic lymph nodes  
B614700 Hodgkin's disease, nodular sclerosis of spleen  
B614800 Hodgkin's nodular sclerosis of lymph nodes of multiple sites  
B614z00 Hodgkin's disease, nodular sclerosis NOS  
B615.00 Hodgkin's disease, mixed cellularity  
B615000 Hodgkin's disease, mixed cellularity of unspecified site  
B615100 Hodgkin's mixed cellularity of lymph nodes head, face, neck  
B615200 Hodgkin's mixed cellularity of intrathoracic lymph nodes  
B615300 Hodgkin's mixed cellularity of intra-abdominal lymph nodes  
B615400 Hodgkin's mixed cellularity of lymph nodes of axilla and arm  
B615500 Hodgkin's mixed cellularity of lymph nodes inguinal and leg  
B615600 Hodgkin's mixed cellularity of intrapelvic lymph nodes  
B615700 Hodgkin's disease, mixed cellularity of spleen



B615800 Hodgkin's mixed cellularity of lymph nodes of multiple sites  
B615z00 Hodgkin's disease, mixed cellularity NOS  
B616.00 Hodgkin's disease, lymphocytic depletion  
B616000 Hodgkin's lymphocytic depletion of unspecified site  
B616100 Hodgkin's lymphocytic depletion of head, face and neck  
B616200 Hodgkin's lymphocytic depletion of intrathoracic lymph nodes  
B616300 Hodgkin's lymphocytic depletion intra-abdominal lymph nodes  
B616400 Hodgkin's lymphocytic depletion lymph nodes axilla and arm  
B616500 Hodgkin's lymphocytic depletion lymph nodes inguinal and leg  
B616600 Hodgkin's lymphocytic depletion of intrapelvic lymph nodes  
B616700 Hodgkin's disease, lymphocytic depletion of spleen  
B616800 Hodgkin's lymphocytic depletion lymph nodes multiple sites  
B616z00 Hodgkin's disease, lymphocytic depletion NOS  
B61z.00 Hodgkin's disease NOS  
B61z000 Hodgkin's disease NOS, unspecified site  
B61z100 Hodgkin's disease NOS of lymph nodes of head, face and neck  
B61z200 Hodgkin's disease NOS of intrathoracic lymph nodes  
B61z300 Hodgkin's disease NOS of intra-abdominal lymph nodes  
B61z400 Hodgkin's disease NOS of lymph nodes of axilla and arm  
B61z500 Hodgkin's disease NOS of lymph nodes inguinal region and leg  
B61z600 Hodgkin's disease NOS of intrapelvic lymph nodes  
B61z700 Hodgkin's disease NOS of spleen  
B61z800 Hodgkin's disease NOS of lymph nodes of multiple sites  
B61zz00 Hodgkin's disease NOS  
B62..00 O ther malignant neoplasm of lymphoid and histiocytic tissue  
B620.00 Nodular lymphoma (Brill - Symmers disease)

B620.11 Reticulosarcoma - follicular or nodular  
B620000 Nodular lymphoma of unspecified site  
B620100 Nodular lymphoma of lymph nodes of head, face and neck  
B620200 Nodular lymphoma of intrathoracic lymph nodes  
B620300 Nodular lymphoma of intra-abdominal lymph nodes  
B620400 Nodular lymphoma of lymph nodes of axilla and upper limb  
B620500 Nodular lymphoma of lymph nodes of inguinal region and leg  
B620600 Nodular lymphoma of intrapelvic lymph nodes  
B620700 Nodular lymphoma of spleen  
B620800 Nodular lymphoma of lymph nodes of multiple sites  
B620z00 Nodular lymphoma NOS  
B621.00 Mycosis fungoides  
B621000 Mycosis fungoides of unspecified site  
B621100 Mycosis fungoides of the lymph nodes of head, face and neck  
B621200 Mycosis fungoides of intrathoracic lymph nodes  
B621300 Mycosis fungoides of intra-abdominal lymph nodes  
B621400 Mycosis fungoides of lymph nodes of axilla and upper limb  
B621500 Mycosis fungoides of lymph nodes of inguinal region and leg  
B621600 Mycosis fungoides of intrapelvic lymph nodes  
B621700 Mycosis fungoides of spleen  
B621800 Mycosis fungoides of lymph nodes of multiple sites  
B621z00 Mycosis fungoides NOS  
B622.00 Sezary's disease  
B622000 Sezary's disease of unspecified site  
B622100 Sezary's disease of lymph nodes of head, face and neck  
B622200 Sezary's disease of intrathoracic lymph nodes

B622300 Sezary's disease of intra-abdominal lymph nodes  
B622400 Sezary's disease of lymph nodes of axilla and upper limb  
B622500 Sezary's disease of lymph nodes of inguinal region and leg  
B622600 Sezary's disease of intrapelvic lymph nodes  
B622700 Sezary's disease of spleen  
B622800 Sezary's disease of lymph nodes of multiple sites  
B622z00 Sezary's disease NOS  
B623.00 Malignant histiocytosis  
B623000 Malignant histiocytosis of unspecified site  
B623100 Malignant histiocytosis of lymph nodes head, face and neck  
B623200 Malignant histiocytosis of intrathoracic lymph nodes  
B623300 Malignant histiocytosis of intra-abdominal lymph nodes  
B623400 Malignant histiocytosis of lymph nodes of axilla and arm  
B623500 Malignant histiocytosis of lymph nodes inguinal and leg  
B623600 Malignant histiocytosis of intrapelvic lymph nodes  
B623700 Malignant histiocytosis of spleen  
B623800 Malignant histiocytosis of lymph nodes of multiple sites  
B623z00 Malignant histiocytosis NOS  
B624.00 Leukaemic reticuloendotheliosis  
B624.11 Leukaemic reticuloendotheliosis  
B624000 Leukaemic reticuloendotheliosis of unspecified sites  
B624100 Leukaemic reticuloend of lymph nodes of head, face and neck  
B624200 Leukaemic reticuloendotheliosis of intrathoracic lymph nodes  
B624300 Leukaemic reticuloend of intra-abdominal lymph nodes  
B624400 Leukaemic reticuloend of lymph nodes of axilla and arm  
B624500 Leukaemic reticuloend of lymph nodes inguinal region and leg

B624600 Leukaemic reticuloendotheliosis of intrapelvic lymph nodes  
B624700 Leukaemic reticuloendotheliosis of spleen  
B624800 Leukaemic reticuloend of lymph nodes of multiple sites  
B624z00 Leukaemic reticuloendotheliosis NOS  
B625.00 Letterer-Siwe disease  
B625.11 Histiocytosis X (acute, progressive)  
B625000 Letterer-Siwe disease of unspecified sites  
B625100 Letterer-Siwe disease of lymph nodes of head, face and neck  
B625200 Letterer-Siwe disease of intrathoracic lymph nodes  
B625300 Letterer-Siwe disease of intra-abdominal lymph nodes  
B625400 Letterer-Siwe disease of lymph nodes of axilla and arm  
B625500 Letterer-Siwe disease of lymph nodes inguinal region and leg  
B625600 Letterer-Siwe disease of intrapelvic lymph nodes  
B625700 Letterer-Siwe disease of spleen  
B625800 Letterer-Siwe disease of lymph nodes of multiple sites  
B625z00 Letterer-Siwe disease NOS  
B626.00 Malignant mast cell tumours  
B626000 Mast cell malignancy of unspecified site  
B626100 Mast cell malignancy of lymph nodes of head, face and neck  
B626200 Mast cell malignancy of intrathoracic lymph nodes  
B626300 Mast cell malignancy of intra-abdominal lymph nodes  
B626400 Mast cell malignancy of lymph nodes of axilla and upper limb  
B626500 Mast cell malignancy of lymph nodes inguinal region and leg  
B626600 Mast cell malignancy of intrapelvic lymph nodes  
B626700 Mast cell malignancy of spleen  
B626800 Mast cell malignancy of lymph nodes of multiple sites

B626z00	Malignant mast cell tumour NOS
B627.00	Non - Hodgkin's lymphoma
B627000	Follicular non-Hodgkin's small cleaved cell lymphoma
B627100	Follicular non-Hodg mixed sml cleavd & lge cell lymphoma
B627200	Follicular non-Hodgkin's large cell lymphoma
B627300	Diffuse non-Hodgkin's small cell (diffuse) lymphoma
B627400	Diffuse non-Hodgkin's small cleaved cell (diffuse) lymphoma
B627500	Diffuse non-Hodgkin mixed sml & lge cell (diffuse) lymphoma
B627600	Diffuse non-Hodgkin's immunoblastic (diffuse) lymphoma
B627700	Diffuse non-Hodgkin's lymphoblastic (diffuse) lymphoma
B627800	Diffuse non-Hodgkin's lymphoma undifferentiated (diffuse)
B627C00	Follicular non-Hodgkin's lymphoma
B627C11	Follicular lymphoma NOS
B627D00	Diffuse non-Hodgkin's centroblastic lymphoma
B627W00	Unspecified B-cell non-Hodgkin's lymphoma
B627X00	Diffuse non-Hodgkin's lymphoma, unspecified
B62x.00	Malignant lymphoma otherwise specified
B62x000	T-zone lymphoma
B62x100	Lymphoepithelioid lymphoma
B62x200	Peripheral T-cell lymphoma
B62x300	Malignant reticuloendotheliosis
B62x400	Malignant reticulosis
B62x500	Malignant immunoproliferative small intestinal disease
B62x600	True histiocytic lymphoma
B62xX00	Oth and unspecif peripheral & cutaneous T-cell lymphomas
B62y.00	Malignant lymphoma NOS

B62y000	Malignant lymphoma NOS of unspecified site
B62y100	Malignant lymphoma NOS of lymph nodes of head, face and neck
B62y200	Malignant lymphoma NOS of intrathoracic lymph nodes
B62y300	Malignant lymphoma NOS of intra-abdominal lymph nodes
B62y400	Malignant lymphoma NOS of lymph nodes of axilla and arm
B62y500	Malignant lymphoma NOS of lymph node inguinal region and leg
B62y600	Malignant lymphoma NOS of intrapelvic lymph nodes
B62y700	Malignant lymphoma NOS of spleen
B62y800	Malignant lymphoma NOS of lymph nodes of multiple sites
B62yz00	Malignant lymphoma NOS
B62z.00	Malignant neoplasms of lymphoid and histiocytic tissue NOS
B62z000	Unspec malig neop lymphoid/histiocytic of unspecified site
B62z100	Unspec malig neop lymphoid/histiocytic lymph node head/neck
B62z200	Unspec malig neop lymphoid/histiocytic of intrathoracic node
B62z300	Unspec malig neop lymphoid/histiocytic intra-abdominal nodes
B62z400	Unspec malig neop lymphoid/histiocytic lymph node axilla/arm
B62z500	Unspec malig neop lymphoid/histiocytic nodes inguinal/leg
B62z600	Unspec malig neop lymphoid/histiocytic of intrapelvic nodes
B62z700	Unspec malig neop lymphoid/histiocytic of spleen
B62z800	Unspec malig neop lymphoid/histiocytic of multiple sites
B62zz00	Lymphoid and histiocytic malignancy NOS
B62zz11	Immunoproliferative neoplasm
B63..00	Multiple myeloma and immunoproliferative neoplasms
B630.00	Multiple myeloma
B630.11	Kahler's disease
B630.12	Myelomatosis

B630000	Malignant plasma cell neoplasm, extramedullary plasmacytoma
B630100	Solitary myeloma
B630200	Plasmacytoma NOS
B630300	Lambda light chain myeloma
B631.00	Plasma cell leukaemia
B63y.00	Other immunoproliferative neoplasms
B63z.00	Immunoproliferative neoplasm or myeloma NOS
B64..00	Lymphoid leukaemia
B64..11	Lymphatic leukaemia
B640.00	Acute lymphoid leukaemia
B641.00	Chronic lymphoid leukaemia
B641.11	Chronic lymphatic leukaemia
B642.00	Subacute lymphoid leukaemia
B64y.00	Other lymphoid leukaemia
B64y000	Aleukaemic lymphoid leukaemia
B64y100	Prolymphocytic leukaemia
B64y200	Adult T-cell leukaemia
B64yz00	Other lymphoid leukaemia NOS
B64z.00	Lymphoid leukaemia NOS
B65..00	Myeloid leukaemia
B650.00	Acute myeloid leukaemia
B651.00	Chronic myeloid leukaemia
B651.11	Chronic granulocytic leukaemia
B651000	Chronic eosinophilic leukaemia
B651200	Chronic neutrophilic leukaemia
B651z00	Chronic myeloid leukaemia NOS

B652.00	Subacute myeloid leukaemia
B653.00	Myeloid sarcoma
B653000	Chloroma
B653100	Granulocytic sarcoma
B653z00	Myeloid sarcoma NOS
B65y.00	Other myeloid leukaemia
B65y000	Aleukaemic myeloid leukaemia
B65y100	Acute promyelocytic leukaemia
B65yz00	Other myeloid leukaemia NOS
B65z.00	Myeloid leukaemia NOS
B66..00	Monocytic leukaemia
B66..11	Histiocytic leukaemia
B66..12	Monoblastic leukaemia
B660.00	Acute monocytic leukaemia
B661.00	Chronic monocytic leukaemia
B662.00	Subacute monocytic leukaemia
B66y.00	Other monocytic leukaemia
B66y000	Aleukaemic monocytic leukaemia
B66yz00	Other monocytic leukaemia NOS
B66z.00	Monocytic leukaemia NOS
B67..00	Other specified leukaemia
B670.00	Acute erythraemia and erythroleukaemia
B670.11	Di Guglielmo's disease
B671.00	Chronic erythraemia
B671.11	Heilmeyer - Schoner disease
B672.00	Megakaryocytic leukaemia



B672.11	Thrombocytic leukaemia
B673.00	Mast cell leukaemia
B674.00	Acute panmyelosis
B675.00	Acute myelofibrosis
B67y.00	Other and unspecified leukaemia
B67y000	Lymphosarcoma cell leukaemia
B67yz00	Other and unspecified leukaemia NOS
B67z.00	Other specified leukaemia NOS
B68..00	Leukaemia of unspecified cell type
B680.00	Acute leukaemia NOS
B681.00	Chronic leukaemia NOS
B682.00	Subacute leukaemia NOS
B68y.00	Other leukaemia of unspecified cell type
B68z.00	Leukaemia NOS
B69..00	Myelomonocytic leukaemia
B690.00	Acute myelomonocytic leukaemia
B691.00	Chronic myelomonocytic leukaemia
B692.00	Subacute myelomonocytic leukaemia
B6y..00	Malignant neoplasm lymphatic or haematopoietic tissue OS
B6y0.00	Myeloproliferative disorder
B6y0.11	Myeloproliferative disease
B6y1.00	Myelosclerosis with myeloid metaplasia
B6y1.11	Megakaryocytic myelosclerosis
B6z..00	Malignant neoplasm lymphatic or haematopoietic tissue NOS
B6z0.00	Kaposi's sarcoma of lymph nodes
By...00	Neoplasms otherwise specified

Byu..00 [X] Additional neoplasm classification terms

Byu0.00 [X]Malignant neoplasm of lip, oral cavity and pharynx

Byu1.00 [X]Malignant neoplasm of digestive organs

Byu1000 [X]Other sarcomas of the liver

Byu1100 [X]Other specified carcinomas of liver

Byu1200 [X]Malignant neoplasm of intestinal tract, part unspecified

Byu1300 [X]Malignant neoplasm/ill-defin sites within digestive system

Byu2.00 [X]Malignant neoplasm of respiratory and intrathoracic orga

Byu2000 [X]Malignant neoplasm of bronchus or lung, unspecified

Byu2100 [X]Malignant neoplasm/overlap lesion/heart,mediastinm??

Byu2200 [X]Malignant neoplasm/upper resp tract, part unspecified

Byu2300 [X]Malignant neopl/overlapping les/resp???? organs

Byu2400 [X]Malignant neoplasm/ill-defined sites within resp system

Byu2500 [X]Malignant neoplasm of mediastinum, part unspecified

Byu3.00 [X]Malignant neoplasm of bone and articular cartilage

Byu3000 [X]Mal neoplasm/overlap lesion/bone??? cartilage/limb

Byu3100 [X]Malignant neoplasm/bones??? cartilage/limb,unspfd

Byu3200 [X]Malignant neoplasm/overlap lesion/bone??? cartilage

Byu3300 [X]Malignant neoplasm/bone??? cartilage, unspecified

Byu4.00 [X]Melanoma and other malignant neoplasms of skin

Byu4000 [X]Malignant melanoma of other???? parts of face

Byu4100 [X]Malignant melanoma of skin, unspecified

Byu4200 [X]Oth malignant neoplasm/skin of oth??? parts of face

Byu4300 [X]Malignant neoplasm of skin, unspecified

Byu5.00 [X]Malignant neoplasm of mesothelial and soft tissue

Byu5000 [X]Mesothelioma of other sites

Byu5011 [X]Mesothelioma of lung  
Byu5100 [X]Mesothelioma, unspecified  
Byu5200 [X]Kaposi's sarcoma of multiple organs  
Byu5300 [X]Kaposi's sarcoma, unspecified  
Byu5400 [X]Malignant neoplasm/peripheral nerves of trunk,unspecified  
Byu5500 [X]Mal neoplasm/overlap les/periph nerv??? nerv system  
Byu5600 [X]Mal neoplasm/periph nerves??? nervous system,unspc  
Byu5700 [X]Malignant neoplasm of peritoneum, unspecified  
Byu5800 [X]Mal neoplasm/connective? tissue of trunk,unspecified  
Byu5900 [X]Malignant neoplasm/connective soft tissue,unspecified  
Byu5A00 [X]Malignant neoplasm overlapping lesion of skin  
Byu6.00 [X]Malignant neoplasm of breast  
Byu7.00 [X]Malignant neoplasm of female genital organs  
Byu7000 [X]Malignant neoplasm of uterine adnexa, unspecified  
Byu7100 [X]Malignant neoplasm/other specified female genital organs  
Byu7200 [X]Malignant neoplasm/overlapping lesion/feml genital organs  
Byu7300 [X]Malignant neoplasm of female genital organ, unspecified  
Byu8.00 [X]Malignant neoplasm of male genital organs  
Byu8000 [X]Malignant neoplasm/other specified male genital organs  
Byu8100 [X]Malignant neoplasm/overlapping lesion/male genital organs  
Byu8200 [X]Malignant neoplasm of male genital organ, unspecified  
Byu9.00 [X]Malignant neoplasm of urinary tract  
Byu9000 [X]Malignant neoplasm of urinary organ, unspecified  
ByuA.00 [X]Malignant neoplasm of eye, brain and other parts of cent  
ByuA000 [X]Malignant neoplasm/other and unspecified cranial nerves  
ByuA100 [X]Malignant neoplasm/central nervous system, unspecified

ByuA200 [X]Malignant neoplasm of meninges, unspecified  
 ByuA300 [X]Malig neopl, overlap lesion brain & other part of CNS  
 ByuC000 [X]Malignant neoplasm of other specified sites  
 ByuD.00 [X]Malignant neoplasms of lymphoid, haematopoietic and rela  
 ByuD000 [X]Other Hodgkin's disease  
 ByuD100 [X]Other types of follicular non-Hodgkin's lymphoma  
 ByuD200 [X]Other types of diffuse non-Hodgkin's lymphoma  
 ByuD300 [X]Other specified types of non-Hodgkin's lymphoma  
 ByuD400 [X]Other malignant immunoproliferative diseases  
 ByuD500 [X]Other lymphoid leukaemia  
 ByuD600 [X]Other myeloid leukaemia  
 ByuD700 [X]Other monocytic leukaemia  
 ByuD800 [X]Other specified leukaemias  
 ByuD900 [X]Other leukaemia of unspecified cell type  
 ByuDA00 [X]Oth spcf mal neoplsm/lymphoid,haematopoietic? tissue  
 ByuDC00 [X]Diffuse non-Hodgkin's lymphoma, unspecified  
 ByuDD00 [X]Oth and unspecif peripheral & cutaneous T-cell lymphomas  
 ByuDE00 [X]Unspecified B-cell non-Hodgkin's lymphoma  
 ByuDF00 [X]Non-Hodgkin's lymphoma, unspecified type  
 ByuDF11 [X]Non-Hodgkin's lymphoma NOS  
 ByuE.00 [X]Malignant neoplasms/independent (primary) multiple sites  
 ByuE000 [X]Malignant neoplasms/independent(primary)multiple sites  
 Bz...00 Neoplasms NOS  
 ZV10.00 [V]Personal history of malignant neoplasm  
 ZV10000 [V]Personal history of malig neop of gastrointestinal tract  
 ZV10011 [V]Personal history of malignant neoplasm of anus

ZV10012 [V]Personal history of malig neop of gastrointestinal tract  
ZV10013 [V]Personal history of malignant neoplasm of intestine  
ZV10014 [V]Personal history of malignant neoplasm of large intestine  
ZV10015 [V]Personal history of malignant neoplasm of liver  
ZV10016 [V]Personal history of malignant neoplasm of oesophagus  
ZV10017 [V]Personal history of malignant neoplasm of rectum  
ZV10018 [V]Personal history of malignant neoplasm of stomach  
ZV10019 [V]Personal history of malignant neoplasm of tongue  
ZV10100 [V]Personal history of malig neop of trachea/bronchus/lung  
ZV10111 [V]Personal history of malignant neoplasm of bronchus  
ZV10112 [V]Personal history of malignant neoplasm of lung  
ZV10113 [V]Personal history of malignant neoplasm of trachea  
ZV10200 [V]Personal history of malig neop other intrathoracic organ  
ZV10211 [V]Personal history of malignant neoplasm - accessory sinus  
ZV10212 [V]Personal history of malignant neoplasm of larynx  
ZV10213 [V]Personal history of malignant neoplasm of middle ear  
ZV10214 [V]Personal history of malignant neoplasm of nose  
ZV10300 [V]Personal history of malignant neoplasm of breast  
ZV10400 [V]Personal history of malignant neoplasm of genital organ  
ZV10411 [V]Personal history of malignant neoplasm of cervix uteri  
ZV10412 [V]Personal history of malignant neoplasm of genital organ  
ZV10413 [V]Personal history malignant neoplasm - male genital organ  
ZV10414 [V]Personal history of malignant neoplasm of ovary  
ZV10415 [V]Personal history of malignant neoplasm of prostate  
ZV10416 [V]Personal history of malignant neoplasm of testis  
ZV10417 [V]Personal history of malignant neoplasm of uterine body

ZV10500 [V]Personal history of malignant neoplasm of urinary organ  
ZV10511 [V]Personal history of malignant neoplasm of bladder  
ZV10512 [V]Personal history of malignant neoplasm of kidney  
ZV10513 [V]Personal history of malignant neoplasm of kidney  
ZV10600 [V]Personal history of leukaemia  
ZV10611 [V]Personal history of lymphoid leukaemia  
ZV10612 [V]Personal history of monocytic leukaemia  
ZV10613 [V]Personal history of myeloid leukaemia  
ZV10700 [V]Personal history other lymphatic/haematopoietic neoplasm  
ZV10711 [V]Personal history of Hodgkin's disease  
ZV10712 [V]Personal history of lymphosarcoma  
ZV10713 [V]Personal history of other haematopoietic neoplasm  
ZV10714 [V]Personal history of reticulosarcoma  
ZV10y00 [V]Personal history of other specified malignant neoplasm  
ZV10y11 [V]Personal history of malignant neoplasm of bone  
ZV10y12 [V]Personal history of malignant neoplasm of brain  
ZV10y13 [V]Personal history of malignant neoplasm of eye  
ZV10y14 [V]Personal history of malignant neoplasm of skin  
ZV10y15 [V]Personal history of malignant neoplasm of thyroid  
ZV10y16 [V]Personal history of malignant neoplasm of tongue  
ZV10z00 [V]Personal history of unspecified malignant neoplasm

Cerebrovascular disease (score 1)

G6...00	Cerebrovascular disease
G60..00	Subarachnoid haemorrhage
G600.00	Ruptured berry aneurysm
G601.00	Subarachnoid haemorrhage from carotid siphon and bifurcation
G602.00	Subarachnoid haemorrhage from middle cerebral artery
G603.00	Subarachnoid haemorrhage from anterior communicating artery
G604.00	Subarachnoid haemorrhage from posterior communicating artery
G605.00	Subarachnoid haemorrhage from basilar artery
G606.00	Subarachnoid haemorrhage from vertebral artery
G60X.00	Subarachnoid haemorrh from intracranial artery, unspecif
G60z.00	Subarachnoid haemorrhage NOS
G61..00	Intracerebral haemorrhage
G61..11	CVA - cerebrovascular accid due to intracerebral haemorrhage
G61..12	Stroke due to intracerebral haemorrhage
G613.00	Cerebellar haemorrhage
G617.00	Intracerebral haemorrhage, intraventricular
G618.00	Intracerebral haemorrhage, multiple localized
G61X.00	Intracerebral haemorrhage in hemisphere, unspecified
G61X000	Left sided intracerebral haemorrhage, unspecified
G61X100	Right sided intracerebral haemorrhage, unspecified
G61z.00	Intracerebral haemorrhage NOS
G623.00	Subdural haemorrhage NOS
G62z.00	Intracranial haemorrhage NOS
G63..00	Precerebral arterial occlusion

G63..12 Stenosis of precerebral arteries  
G633.00 Multiple and bilateral precerebral arterial occlusion  
G63y.00 Other precerebral artery occlusion  
G63z.00 Precerebral artery occlusion NOS  
G64..13 Stroke due to cerebral arterial occlusion  
G641000 Cerebral infarction due to embolism of cerebral arteries  
G65..00 Transient cerebral ischaemia  
G65y.00 Other transient cerebral ischaemia  
G65z.00 Transient cerebral ischaemia NOS  
G65zz00 Transient cerebral ischaemia NOS  
G66..00 Stroke and cerebrovascular accident unspecified  
G66..11 CVA unspecified  
G66..12 Stroke unspecified  
G66..13 CVA - Cerebrovascular accident unspecified  
G660.00 Middle cerebral artery syndrome  
G661.00 Anterior cerebral artery syndrome  
G662.00 Posterior cerebral artery syndrome  
G663.00 Brain stem stroke syndrome  
G664.00 Cerebellar stroke syndrome  
G665.00 Pure motor lacunar syndrome  
G666.00 Pure sensory lacunar syndrome  
G667.00 Left sided CVA  
G668.00 Right sided CVA  
G669.00 Cerebral palsy, not congenital or infantile, acute  
G67..00 Other cerebrovascular disease  
G671.00 Generalised ischaemic cerebrovascular disease NOS



G671z00	Generalised ischaemic cerebrovascular disease NOS
G677400	Occlusion??? of multiple and bilat cerebral arteries
G67y.00	Other cerebrovascular disease OS
G67z.00	Other cerebrovascular disease NOS
G68..00	Late effects of cerebrovascular disease
G680.00	Sequelae of subarachnoid haemorrhage
G681.00	Sequelae of intracerebral haemorrhage
G68W.00	Sequelae/other unspecified cerebrovascular diseases
G6y..00	Other specified cerebrovascular disease
G6z..00	Cerebrovascular disease NOS
Gyu6.00	[X]Cerebrovascular diseases
Gyu6000	[X]Subarachnoid haemorrhage from other intracranial arteries
Gyu6100	[X]Other subarachnoid haemorrhage
Gyu6200	[X]Other intracerebral haemorrhage
Gyu6500	[X]Occlusion and stenosis of other precerebral arteries
Gyu6600	[X]Occlusion and stenosis of other cerebral arteries
Gyu6700	[X]Other specified cerebrovascular diseases
Gyu6D00	[X]Sequelae/other unspecified cerebrovascular diseases
Gyu6F00	[X]Intracerebral haemorrhage in hemisphere, unspecified
S62..12	Subarachnoid haemorrhage following injury
S620.00	Closed traumatic subarachnoid haemorrhage
S621.00	Open traumatic subarachnoid haemorrhage
S627.00	Traumatic subarachnoid haemorrhage
S628.00	Traumatic subdural haemorrhage

Chronic pulmonary disease (score 1)

8H2P.00	Emergency admission, asthma
9OJ1.00	Attends asthma monitoring
9OJA.11	Asthma monitored
H30..00	Bronchitis unspecified
H30..11	Chest infection - unspecified bronchitis
H300.00	Tracheobronchitis NOS
H30z.00	Bronchitis NOS
H31..00	Chronic bronchitis
H310.00	Simple chronic bronchitis
H310000	Chronic catarrhal bronchitis
H310100	Smokers' cough
H310z00	Simple chronic bronchitis NOS
H311.00	Mucopurulent chronic bronchitis
H311000	Purulent chronic bronchitis
H311100	Fetid chronic bronchitis
H311z00	Mucopurulent chronic bronchitis NOS
H312.00	Obstructive chronic bronchitis
H312000	Chronic asthmatic bronchitis
H312011	Chronic wheezy bronchitis
H312100	Emphysematous bronchitis
H312z00	Obstructive chronic bronchitis NOS
H313.00	Mixed simple and mucopurulent chronic bronchitis
H31y.00	Other chronic bronchitis
H31y100	Chronic tracheobronchitis

H31yz00	Other chronic bronchitis NOS
H31z.00	Chronic bronchitis NOS
H32..00	Emphysema
H320.00	Chronic bullous emphysema
H320000	Segmental bullous emphysema
H320200	Giant bullous emphysema
H320z00	Chronic bullous emphysema NOS
H321.00	Panlobular emphysema
H322.00	Centrilobular emphysema
H32y.00	Other emphysema
H32y000	Acute vesicular emphysema
H32y100	Atrophic (senile) emphysema
H32y200	MacLeod's unilateral emphysema
H32yz00	Other emphysema NOS
H32z.00	Emphysema NOS
H33..00	Asthma
H33..11	Bronchial asthma
H330.00	Extrinsic (atopic) asthma
H330.12	Childhood asthma
H330.13	Hay fever with asthma
H330.14	Pollen asthma
H330000	Extrinsic asthma without status asthmaticus
H330011	Hay fever with asthma
H330111	Extrinsic asthma with asthma attack
H330z00	Extrinsic asthma NOS
H331.00	Intrinsic asthma

H331.11	Late onset asthma
H331000	Intrinsic asthma without status asthmaticus
H331100	Intrinsic asthma with status asthmaticus
H331111	Intrinsic asthma with asthma attack
H331z00	Intrinsic asthma NOS
H332.00	Mixed asthma
H333.00	Acute exacerbation of asthma
H334.00	Brittle asthma
H33z.00	Asthma unspecified
H33z000	Status asthmaticus NOS
H33z011	Severe asthma attack
h33z100	Asthma attack
H33z111	Asthma attack NOS
H33z200	Late-onset asthma
H33zz11	Exercise induced asthma
H33zz12	Allergic asthma NEC
H33zz13	Allergic bronchitis NEC
H34..00	Bronchiectasis
H340.00	Recurrent bronchiectasis
H341.00	Post-infective bronchiectasis
H34z.00	Bronchiectasis NOS
H35..00	Extrinsic allergic alveolitis
H350.00	Farmers' lung
H351.00	Bagassosis
H352.00	Bird-fancier's lung
H352000	Budgerigar-fanciers' lung

H352100 Pigeon-fanciers' lung  
H352z00 Bird-fancier's lung NOS  
H353.00 Suberosis ( cork-handlers' lung )  
H354.00 Malt workers' lung  
H355.00 Mushroom workers' lung  
H356.00 Maple bark strippers' lung  
H35y.00 Other allergic alveolitis  
H35y300 Furriers' lung  
H35y500 Pituitary snuff-takers' disease  
H35y600 Sequoiosis (red-cedar asthma)  
H35y700 Wood asthma  
H35yz00 Other allergic alveolitis NOS  
H35z.00 Allergic alveolitis and pneumonitis NOS  
H35z100 Hypersensitivity pneumonitis NOS  
H35zz00 Allergic alveolitis and pneumonitis NOS  
H3z..11 Chronic obstructive pulmonary disease NOS  
H40..00 Coal workers' pneumoconiosis  
H41..00 Asbestosis  
H410.00 Pleural plaque disease due to asbestosis  
H41z.00 Asbestosis NOS  
H42..00 Silica and silicate pneumoconiosis  
H420.00 Talc pneumoconiosis  
H423.00 Massive silicotic fibrosis  
H42z.00 Silica pneumoconiosis NOS  
H43..00 Pneumoconiosis due to other inorganic dust  
H430.00 Aluminosis of lung

H431.00	Bauxite fibrosis of lung
H432.00	Berylliosis
H434.00	Siderosis
H435.00	Stannosis
H43z.00	Pneumoconiosis due to inorganic dust NOS
H440.00	Byssinosis
H441.00	Cannabinosis
H442.00	Flax-dressers' disease
H45..00	Pneumoconiosis NOS
H460.00	Bronchitis and pneumonitis due to chemical fumes
H460z00	Bronchitis and pneumonitis due to chemical fumes NOS
H464000	Chronic emphysema due to chemical fumes
H464100	Obliterative bronchiolitis due to chemical fumes
H464200	Chronic pulmonary fibrosis due to chemical fumes
H47y000	Detergent asthma
H4y1000	Chronic pulmonary fibrosis following radiation
H4z..00	Lung disease due to external agents NOS
H57y.00	Lung disease with diseases EC
H57yz00	Lung disease with diseases EC NOS
H581.00	Interstitial emphysema
H582.00	Compensatory emphysema
Hyu3000	[X]Other emphysema
Hyu4000	[X]Pneumoconiosis due to other dust containing silica
Hyu4100	[X]Pneumoconiosis due to other specified inorganic dusts
Hyu4300	[X]Hypersensitivity pneumonitis due to other organic dusts
K3441B	EXCISION BRONCHIECTASIS

L4930LO LATE ONSET ASTHMA  
L5161B BIRD FANCIER'S LUNG  
SK07.00 Subcutaneous emphysema

## CONGESTIVE HEART FAILURE (score 1)

14A6.00	H/O: heart failure
14AM.00	H/O: Heart failure in last year
1O1..00	Heart failure confirmed
662W.00	Heart failure annual review
8B29.00	Cardiac failure therapy
8CL3.00	Heart failure care plan discussed with patient
8H2S.00	Admit heart failure emergency
G232.00	Hypertensive heart&renal dis wth (congestive) heart failure
G554000	Congestive cardiomyopathy
G58..00	Heart failure
G58..11	Cardiac failure
G580.00	Congestive heart failure
G580.11	Congestive cardiac failure
G580.12	Right heart failure
G580000	Acute congestive heart failure
G580100	Chronic congestive heart failure
G580200	Decompensated cardiac failure
G580300	Compensated cardiac failure
G581.00	Left ventricular failure
G581000	Acute left ventricular failure
G582.00	Acute heart failure
G58z.00	Heart failure NOS
G58z.11	Weak heart
G58z.12	Cardiac failure NOS



SP11111 Heart failure as a complication of care

## DEMENTIA (score 1)

E00..11	Senile dementia
E00..12	Senile/presenile dementia
E000.00	Uncomplicated senile dementia
e000.00	Uncomplicated senile dementia
E001.00	Presenile dementia
E001000	Uncomplicated presenile dementia
E001z00	Presenile dementia NOS
E004.00	Arteriosclerotic dementia
E004.11	Multi infarct dementia
E004000	Uncomplicated arteriosclerotic dementia
E004100	Arteriosclerotic dementia with delirium
E004200	Arteriosclerotic dementia with paranoia
E004300	Arteriosclerotic dementia with depression
E004z00	Arteriosclerotic dementia NOS
E041.00	Dementia in conditions EC
Eu00.00	[X]Dementia in Alzheimer's disease
Eu00000	[X]Dementia in Alzheimer's disease with early onset
Eu00011	[X]Presenile dementia,Alzheimer's type
Eu00012	[X]Primary degen dementia, Alzheimer's type, presenile onset
Eu00100	[X]Dementia in Alzheimer's disease with late onset
Eu00112	[X]Senile dementia,Alzheimer's type
Eu00113	[X]Primary degen dementia of Alzheimer's type, senile onset
Eu00200	[X]Dementia in Alzheimer's dis, atypical or mixed type
Eu00z00	[X]Dementia in Alzheimer's disease, unspecified

Eu00z11 [X]Alzheimer's dementia unspec  
Eu01.00 [X]Vascular dementia  
Eu01.11 [X]Arteriosclerotic dementia  
Eu01000 [X]Vascular dementia of acute onset  
Eu01100 [X]Multi-infarct dementia  
Eu01111 [X]Predominantly cortical dementia  
Eu01200 [X]Subcortical vascular dementia  
Eu01300 [X]Mixed cortical and subcortical vascular dementia  
Eu01y00 [X]Other vascular dementia  
Eu01z00 [X]Vascular dementia, unspecified  
Eu02.00 [X]Dementia in other diseases classified elsewhere  
Eu02500 [X]Lewy body dementia  
Eu02y00 [X]Dementia in other specified diseases classif elsewhere  
Eu02z00 [X] Unspecified dementia  
Eu02z13 [X] Primary degenerative dementia NOS  
Eu02z14 [X] Senile dementia NOS  
Eu02z16 [X] Senile dementia, depressed or paranoid type

Hemiplegia (score 2)

F141.00	Hereditary spastic paraplegia
F22..00	Hemiplegia
F220.00	Flaccid hemiplegia
F221.00	Spastic hemiplegia
F222.00	Left hemiplegia
F223.00	Right hemiplegia
F22z.00	Hemiplegia NOS
F230.11	Paraplegia - congenital
F230000	Congenital paraplegia
F241.00	Paraplegia
F241000	Flaccid paraplegia
F241100	Spastic paraplegia

Metastatic solid tumour (score 6)

B153.00	Secondary malignant neoplasm of liver
B56..00	Secondary and unspecified malignant neoplasm of lymph nodes
B56..11	Lymph node metastases
B560.00	Secondary and unspec malig neop lymph nodes head/face/neck
B560000	Secondary and unspec malig neop of superficial parotid LN
B560100	Secondary and unspec malignant neoplasm mastoid lymph nodes
B560200	Secondary and unspec malig neop superficial cervical LN
B560300	Secondary and unspec malignant neoplasm occipital lymph node
B560400	Secondary and unspec malig neop deep parotid lymph nodes
B560500	Secondary and unspec malig neop submandibular lymph nodes
B560600	Secondary and unspec malig neop of facial lymph nodes
B560700	Secondary and unspec malig neop submental lymph nodes
B560800	Secondary and unspec malig neop anterior cervical LN
B560900	Secondary and unspec malig neop deep cervical LN
B560z00	Secondary unspec malig neop lymph nodes head/face/neck NOS
B561.00	Secondary and unspec malig neop intrathoracic lymph nodes
B561000	Secondary and unspec malig neop internal mammary lymph nodes
B561100	Secondary and unspec malig neop intercostal lymph nodes
B561200	Secondary and unspec malig neop diaphragmatic lymph nodes
B561300	Secondary and unspec malig neop ant mediastinal lymph nodes
B561400	Secondary and unspec malig neop post mediastinal lymph nodes
B561500	Secondary and unspec malig neop paratracheal lymph nodes
B561600	Secondary and unspec malig neop superfic tracheobronchial LN
B561700	Secondary and unspec malig neop inferior tracheobronchial LN

B561800 Secondary and unspec malig neop bronchopulmonary lymph nodes  
B561900 Secondary and unspec malig neop pulmonary lymph nodes  
B561z00 Secondary and unspec malig neop intrathoracic LN NOS  
B562.00 Secondary and unspec malig neop intra-abdominal lymph nodes  
B562000 Secondary and unspec malig neop coeliac lymph nodes  
B562100 Secondary and unspec malig neop superficial mesenteric LN  
B562200 Secondary and unspec malig neop inferior mesenteric LN  
B562300 Secondary and unspec malig neop common iliac lymph nodes  
B562400 Secondary and unspec malig neop external iliac lymph nodes  
B562z00 Secondary and unspec malig neop intra-abdominal LN NOS  
B563.00 Secondary and unspec malig neop axilla and upper limb LN  
B563000 Secondary and unspec malig neop axillary lymph nodes  
B563100 Secondary and unspec malig neop supratrochlear lymph nodes  
B563200 Secondary and unspec malig neop infraclavicular lymph nodes  
B563300 Secondary and unspec malig neop pectoral lymph nodes  
B563z00 Secondary and unspec malig neop axilla and upper limb LN NOS  
B564.00 Secondary and unspec malig neop inguinal and lower limb LN  
B564000 Secondary and unspec malig neop superficial inguinal LN  
B564100 Secondary and unspec malig neop deep inguinal lymph nodes  
B564200 Secondary and unspec malig neop popliteal lymph nodes  
B564z00 Secondary and unspec malig neop of inguinal and leg LN NOS  
B565.00 Secondary and unspec malig neop intrapelvic lymph nodes  
B565000 Secondary and unspec malig neop internal iliac lymph nodes  
B565100 Secondary and unspec malig neop inferior epigastric LN  
B565200 Secondary and unspec malig neop circumflex iliac LN  
B565300 Secondary and unspec malig neop sacral lymph nodes

B565400 Secondary and unspec malig neop obturator lymph nodes  
 B565z00 Secondary and unspec malig neop intrapelvic LN NOS  
 B56y.00 Secondary and unspec malig neop lymph nodes multiple sites  
 B56z.00 Secondary and unspec malig neop lymph nodes NOS  
 B57..00 Secondary malig neop of respiratory and digestive systems  
 B57..11 Metastases of respiratory and/or digestive systems  
 B57..12 Secondary carcinoma of respiratory and/or digestive systems  
 B570.00 Secondary malignant neoplasm of lung  
 B571.00 Secondary malignant neoplasm of mediastinum  
 B572.00 Secondary malignant neoplasm of pleura  
 B573.00 Secondary malignant neoplasm of other respiratory organs  
 B574.00 Secondary malignant neoplasm of small intestine and duodenum  
 B574000 Secondary malignant neoplasm of duodenum  
 B574100 Secondary malignant neoplasm of jejunum  
 B574200 Secondary malignant neoplasm of ileum  
 B574z00 Secondary malig neop of small intestine or duodenum NOS  
 B575.00 Secondary malignant neoplasm of large intestine and rectum  
 B575000 Secondary malignant neoplasm of colon  
 B575100 Secondary malignant neoplasm of rectum  
 B575z00 Secondary malig neop of large intestine or rectum NOS  
 B576.00 Secondary malig neop of retroperitoneum and peritoneum  
 B576000 Secondary malignant neoplasm of retroperitoneum  
 B576100 Secondary malignant neoplasm of peritoneum  
 B576200 Malignant ascites  
 B576z00 Secondary malig neop of retroperitoneum or peritoneum NOS  
 B577.00 Secondary malignant neoplasm of liver

B577.11 Liver metastases

B57y.00 Secondary malignant neoplasm of other digestive organ

B57z.00 Secondary malig neop of respiratory or digestive system NOS

B58..00 Secondary malignant neoplasm of other specified sites

B58..11 Secondary carcinoma of other specified sites

B580.00 Secondary malignant neoplasm of kidney

B581.00 Secondary malignant neoplasm of other urinary organs

B581000 Secondary malignant neoplasm of ureter

B581100 Secondary malignant neoplasm of bladder

B581200 Secondary malignant neoplasm of urethra

B581z00 Secondary malignant neoplasm of other urinary organ NOS

B582.00 Secondary malignant neoplasm of skin

B582000 Secondary malignant neoplasm of skin of head

B582100 Secondary malignant neoplasm of skin of face

B582200 Secondary malignant neoplasm of skin of neck

B582300 Secondary malignant neoplasm of skin of trunk

B582400 Secondary malignant neoplasm of skin of shoulder and arm

B582500 Secondary malignant neoplasm of skin of hip and leg

B582600 Secondary malignant neoplasm of skin of breast

B582z00 Secondary malignant neoplasm of skin NOS

B583.00 Secondary malignant neoplasm of brain and spinal cord

B583000 Secondary malignant neoplasm of brain

B583100 Secondary malignant neoplasm of spinal cord

B583200 Cerebral metastasis

B583z00 Secondary malignant neoplasm of brain or spinal cord NOS

B584.00 Secondary malignant neoplasm of other part of nervous system



B585.00	Secondary malignant neoplasm of bone and bone marrow
B585000	Pathological fracture due to metastatic bone disease
B586.00	Secondary malignant neoplasm of ovary
B587.00	Secondary malignant neoplasm of adrenal gland
B58y.00	Secondary malignant neoplasm of other specified sites
B58y000	Secondary malignant neoplasm of breast
B58y100	Secondary malignant neoplasm of uterus
B58y200	Secondary malignant neoplasm of cervix uteri
B58y211	Secondary cancer of the cervix
B58y300	Secondary malignant neoplasm of vagina
B58y400	Secondary malignant neoplasm of vulva
B58y411	Secondary cancer of the vulva
B58y500	Secondary malignant neoplasm of prostate
B58y600	Secondary malignant neoplasm of testis
B58y700	Secondary malignant neoplasm of penis
B58y800	Secondary malignant neoplasm of epididymis and vas deferens
B58y900	Secondary malignant neoplasm of tongue
B58yz00	Secondary malignant neoplasm of other specified site NOS
B58z.00	Secondary malignant neoplasm of other specified site NOS
B59..00	Malignant neoplasm of unspecified site
B590.00	Disseminated malignancy NOS
B590.11	Carcinomatosis
B591.00	Other malignant neoplasm NOS
B592.00	Malignant neoplasms of independent (primary) multiple sites
B592X00	Kaposi's sarcoma of multiple organs
B593.00	Primary malignant neoplasm of unknown site

B594.00 Secondary malignant neoplasm of unknown site

B59z.00 Malignant neoplasm of unspecified site NOS

B5y..00 Malignant neoplasm of other and unspecified site OS

B5z..00 Malignant neoplasm of other and unspecified site NOS

ByuC.00 [X]Malignant neoplasm of ill-defined, secondary and unspeci

ByuC100 [X]Malignant neoplasm/overlap lesion/other?defined sites

ByuC200 [X]2ndry?? malignant neoplasm lymph nodes/multi regions

ByuC300 [X]Secondary malignant neoplasm/oth? respiratory organs

ByuC400 [X]Secondary malignant neoplasm/oth?? digestive organs

ByuC500 [X]2ndry malignant neoplasm/bladder??? urinary organs

ByuC600 [X]2ndry malignant neoplasm/oth?? parts/nervous system

ByuC700 [X]Secondary malignant neoplasm of other specified sites

ByuC800 [X]Malignant neoplasm without specification of site

Mild liver disease (score 1)

C310400	Glycogenosis with hepatic cirrhosis
C350012	Pigmentary cirrhosis of liver
J600200	Acute yellow atrophy
J601200	Subacute yellow atrophy
J61..00	Cirrhosis and chronic liver disease
J612.00	Alcoholic cirrhosis of liver
J612.11	Florid cirrhosis
J614.00	Chronic hepatitis
J614000	Chronic persistent hepatitis
J614100	Chronic active hepatitis
J614200	Chronic aggressive hepatitis
J614300	Recurrent hepatitis
J614y00	Chronic hepatitis unspecified
J614z00	Chronic hepatitis NOS
J615.00	Cirrhosis - non alcoholic

Moderate to severe liver disease (score 3)

J615.11	Portal cirrhosis
J615000	Unilobular portal cirrhosis
J615100	Multilobular portal cirrhosis
J615111	Postnecrotic cirrhosis of liver
J615300	Diffuse nodular cirrhosis
J615400	Fatty portal cirrhosis
J615700	Cardiac portal cirrhosis
J615A00	Pipe-stem portal cirrhosis
J615B00	Toxic portal cirrhosis
J615C00	Xanthomatous portal cirrhosis
J615F00	Syphilitic portal cirrhosis
J615y00	Portal cirrhosis unspecified
J615z00	Non-alcoholic cirrhosis NOS
J615z11	Macronodular cirrhosis of liver
J615z12	Cryptogenic cirrhosis of liver
J615z13	Cirrhosis of liver NOS
J615z14	Laennec's cirrhosis, non-alcoholic
J616.00	Biliary cirrhosis
J616000	Primary biliary cirrhosis
J616100	Secondary biliary cirrhosis
J616z00	Biliary cirrhosis NOS
J617000	Chronic alcoholic hepatitis
J61y300	Portal fibrosis without cirrhosis
J633.00	Hepatitis unspecified

J635600	Toxic liver disease with fibrosis and cirrhosis of liver
Jyu7100	[X]Other and unspecified cirrhosis of liver
5719PH	PORTAL HYPERTENSION
760F300	Rigid oesophagoscopy injection sclerotherapy oesoph varices
A704z00	Other specified viral hepatitis with hepatic coma NOS
G85..11	Oesophageal varices
G850.00	Oesophageal varices with bleeding
G851.00	Oesophageal varices without bleeding
G852.00	Oesophageal varices in diseases EC
G852000	Oesophageal varices with bleeding in diseases EC
G852100	Oesophageal varices without bleeding in diseases EC
G852200	Oesophageal varices in cirrhosis of the liver
G852300	Oesophageal varices in alcoholic cirrhosis of the liver
G852z00	Oesophageal varices in diseases EC NOS
G858.00	Oesophageal varices NOS
Gyu9400	[X]Oesophageal varices in diseases classified elsewhere
J622.00	Hepatic coma
J623.00	Portal hypertension
J624.00	Hepatorenal syndrome
J62y.00	Other sequelae of chronic liver disease
J62z.00	Liver abscess and chronic liver disease causing sequelae NOS

Myocardial infarction (score 1)

14AH.00	H/O: Myocardial infarction in last year
G30..00	Acute myocardial infarction
G30..12	Coronary thrombosis
G30..13	Cardiac rupture following myocardial infarction (MI)
G30..14	Heart attack
G30..15	MI - acute myocardial infarction
G30..17	Silent myocardial infarction
G300.00	Acute anterolateral infarction
G301.00	Other specified anterior myocardial infarction
G301100	Acute anteroseptal infarction
G302.00	Acute inferolateral infarction
G303.00	Acute inferoposterior infarction
G305.00	Lateral myocardial infarction NOS
G307.00	Acute subendocardial infarction
G307000	Acute non-Q wave infarction
G307100	Acute non-ST segment elevation myocardial infarction
G30X000	Acute ST segment elevation myocardial infarction
G30y.00	Other acute myocardial infarction
G30yz00	Other acute myocardial infarction NOS
G30z.00	Acute myocardial infarction NOS
G32..00	Old myocardial infarction
G32..11	Healed myocardial infarction
G32..12	Personal history of myocardial infarction

Ulcer disease (score 1)

7612111	Balfour excision of gastric ulcer
7612500	Resection of gastric ulcer by cautery
7627000	Closure of perforated duodenal ulcer
761D600	Endoscopic injection haemostasis of gastric ulcer
761J.00	Operations on gastric ulcer
761J.11	Stomach ulcer operations
761J000	Closure of perforated gastric ulcer
761J100	Closure of gastric ulcer NEC
761J111	Suture of ulcer of stomach NEC
761Jy00	Other specified operation on gastric ulcer
761Jz00	Operation on gastric ulcer NOS
J102000	Peptic ulcer of oesophagus
J11..00	Gastric ulcer - (GU)
J11..11	Prepyloric ulcer
J11..12	Pyloric ulcer
J110.00	Acute gastric ulcer
J110000	Acute gastric ulcer without mention of complication
J110100	Acute gastric ulcer with haemorrhage
J110111	Bleeding acute gastric ulcer
J110200	Acute gastric ulcer with perforation
J110300	Acute gastric ulcer with haemorrhage and perforation
J110400	Acute gastric ulcer with obstruction
J110y00	Acute gastric ulcer unspecified
J110z00	Acute gastric ulcer NOS

J111.00	Chronic gastric ulcer
J111000	Chronic gastric ulcer without mention of complication
J111100	Chronic gastric ulcer with haemorrhage
J111111	Bleeding chronic gastric ulcer
J111200	Chronic gastric ulcer with perforation
J111211	Perforated chronic gastric ulcer
J111300	Chronic gastric ulcer with haemorrhage and perforation
J111400	Chronic gastric ulcer with obstruction
J111y00	Chronic gastric ulcer unspecified
J111z00	Chronic gastric ulcer NOS
J112.00	Anti-platelet induced gastric ulcer
J11y.00	Unspecified gastric ulcer
J11y000	Unspecified gastric ulcer without mention of complication
J11y100	Unspecified gastric ulcer with haemorrhage
J11y200	Unspecified gastric ulcer with perforation
J11y300	Unspecified gastric ulcer with haemorrhage and perforation
J11y400	Unspecified gastric ulcer with obstruction
J11yy00	Unspec gastric ulcer; unspec haemorrhage and/or perforation
J11yz00	Unspecified gastric ulcer NOS
J11z.00	Gastric ulcer NOS
J11z.12	Multiple gastric ulcers
J12..00	Duodenal ulcer - (DU)
J120.00	Acute duodenal ulcer
J120000	Acute duodenal ulcer without mention of complication
J120100	Acute duodenal ulcer with haemorrhage
J120200	Acute duodenal ulcer with perforation



J120300	Acute duodenal ulcer with haemorrhage and perforation
J120400	Acute duodenal ulcer with obstruction
J120y00	Acute duodenal ulcer unspecified
J120z00	Acute duodenal ulcer NOS
J121.00	Chronic duodenal ulcer
J121000	Chronic duodenal ulcer without mention of complication
J121111	Bleeding chronic duodenal ulcer
J121300	Chronic duodenal ulcer with haemorrhage and perforation
J121400	Chronic duodenal ulcer with obstruction
J121y00	Chronic duodenal ulcer unspecified
J121z00	Chronic duodenal ulcer NOS
J122.00	Duodenal ulcer disease
J123.00	Duodenal erosion
J124.00	Recurrent duodenal ulcer
J12y.00	Unspecified duodenal ulcer
J12y000	Unspecified duodenal ulcer without mention of complication
J12y200	Unspecified duodenal ulcer with perforation
J12y300	Unspecified duodenal ulcer with haemorrhage and perforation
J12y400	Unspecified duodenal ulcer with obstruction
J12yy00	Unspec duodenal ulcer; unspec haemorrhage and/or perforation
J12yz00	Unspecified duodenal ulcer NOS
J12z.00	Duodenal ulcer NOS
J13..00	Peptic ulcer - (PU) site unspecified
J13..11	Stress ulcer NOS
J130.00	Acute peptic ulcer
J130000	Acute peptic ulcer without mention of complication

J130100	Acute peptic ulcer with haemorrhage
J130200	Acute peptic ulcer with perforation
J130300	Acute peptic ulcer with haemorrhage and perforation
J130400	Acute peptic ulcer with obstruction
J130y00	Acute peptic ulcer unspecified
J130z00	Acute peptic ulcer NOS
J131.00	Chronic peptic ulcer
J131000	Chronic peptic ulcer without mention of complication
J131100	Chronic peptic ulcer with haemorrhage
J131200	Chronic peptic ulcer with perforation
J131300	Chronic peptic ulcer with haemorrhage and perforation
J131400	Chronic peptic ulcer with obstruction
J131y00	Chronic peptic ulcer unspecified
J131z00	Chronic peptic ulcer NOS
J13y.00	Unspecified peptic ulcer
J13y000	Unspecified peptic ulcer without mention of complication
J13y100	Unspecified peptic ulcer with haemorrhage
J13y200	Unspecified peptic ulcer with perforation
J13y300	Unspecified peptic ulcer with haemorrhage and perforation
J13y400	Unspecified peptic ulcer with obstruction
J13yy00	Unspec peptic ulcer; unspec haemorrhage and/or perforation
J13yz00	Unspecified peptic ulcer NOS
J13z.00	Peptic ulcer NOS
J14..00	Gastrojejunal ulcer (GJU)
J14..12	Gastrocolic ulcer
J14..15	Stomal ulcer

J140.0	0	Acute gastrojejunal ulcer
J140000		Acute gastrojejunal ulcer without mention of complication
J140100		Acute gastrojejunal ulcer with haemorrhage
J140200		Acute gastrojejunal ulcer with perforation
J140300		Acute gastrojejunal ulcer with haemorrhage and perforation
J140400		Acute gastrojejunal ulcer with obstruction
J140y00		Acute gastrojejunal ulcer unspecified
J140z00		Acute gastrojejunal ulcer NOS
J141.00		Chronic gastrojejunal ulcer
J141000		Chronic gastrojejunal ulcer without mention of complication
J141100		Chronic gastrojejunal ulcer with haemorrhage
J141200		Chronic gastrojejunal ulcer with perforation
J141300		Chronic gastrojejunal ulcer with haemorrhage and perforation
J141400		Chronic gastrojejunal ulcer with obstruction
J141y00		Chronic gastrojejunal ulcer unspecified
J141z00		Chronic gastrojejunal ulcer NOS
J14y.00		Unspecified gastrojejunal ulcer
J14y000		Unspecified gastrojejunal ulcer without mention complication
J14y100		Unspecified gastrojejunal ulcer with haemorrhage
J14y200		Unspecified gastrojejunal ulcer with perforation
J14y300		Unspec gastrojejunal ulcer with haemorrhage and perforation
J14y400		Unspecified gastrojejunal ulcer with obstruction
J14yy00		Unspec gastrojejunal ulcer; unspec haemorrhage/perforation
J14yz00		Unspecified gastrojejunal ulcer NOS
J14z.00		Gastrojejunal ulcer NOS
K458 PT		REPAIR PERFORATED PEPTIC ULCER

ZV12711 [V]Personal history of peptic ulcer

ZV12C00 [V] Personal history of gastric ulcer

Peripheral vascular disease (score 1)

14AE.00	H/O: aortic aneurysm
14NB.00	H/O: Peripheral vascular disease procedure
7A11211	Y graft of abdominal Aortic aneurysm (emergency)
7A11311	Y graft abdominal Aortic aneurysm
7A13.11	Emergency repair of aortic aneurysm
7A13411	Tube graft abdominal Aortic aneurysm (emergency)
7A14.11	Aortic aneurysm repair
7A14411	Tube graft of Abdominal aortic aneurysm
C107.12	Diabetes with gangrene
g71..00	Aortic aneurysm
G71..00	Aortic aneurysm
G710.00	Dissecting aortic aneurysm
G711.00	Thoracic aortic aneurysm which has ruptured
G711.11	Ruptured thoracic aortic aneurysm
G712.00	Thoracic aortic aneurysm without mention of rupture
G713.00	Abdominal aortic aneurysm which has ruptured
G713.11	Ruptured abdominal aortic aneurysm
G713000	Ruptured suprarenal aortic aneurysm
G714.00	Abdominal aortic aneurysm without mention of rupture
G714.11	AAA - Abdominal aortic aneurysm without mention of rupture
G714000	Juxtarenal aortic aneurysm
G714100	Inflammatory abdominal aortic aneurysm
G715.00	Ruptured aortic aneurysm NOS
G715000	Thoracoabdominal aortic aneurysm, ruptured

G716.00	Aortic aneurysm without mention of rupture NOS
G716000	Thoracoabdominal aortic aneurysm, without mention of rupture
G718.00	Leaking abdominal aortic aneurysm
G71z.00	Aortic aneurysm NOS
G73..00	Other peripheral vascular disease
G73..11	Peripheral ischaemic vascular disease
G731100	Presenile gangrene
G732.00	Peripheral gangrene
G732000	Gangrene of toe
G732100	Gangrene of foot
G732200	Gangrene of finger
G732300	Gangrene of thumb
G732400	Gangrene of hand
G73y.00	Other specified peripheral vascular disease
G73yz00	Other specified peripheral vascular disease NOS
G73z.00	Peripheral vascular disease NOS
G73z000	Intermittent claudication
G73z011	Claudication
G73zz00	Peripheral vascular disease NOS
Gyu7100	[X]Aortic aneurysm of unspecified site, ruptured
Gyu7200	[X]Aortic aneurysm of unspecified site, nonruptured
Gyu7400	[X]Other specified peripheral vascular diseases
R054.00	[D]Gangrene
R054000	[D]Gangrene, spreading cutaneous
R054200	[D]Gangrene of toe in diabetic
R054300	[D]Widespread diabetic foot gangrene

R054z00 [D]Gangrene NOS

Moderate to severe renal disease (score 2)

14D1.00	H/O: nephritis
1Z10.00	Chronic kidney disease stage 1
1Z11.00	Chronic kidney disease stage 2
1Z12.00	Chronic kidney disease stage 3
1Z13.00	Chronic kidney disease stage 4
1Z14.00	Chronic kidney disease stage 5
K0...00	Nephritis, nephrosis and nephrotic syndrome
K001.00	Acute nephritis with lesions of necrotising glomerulitis
K012.00	Nephrotic syndrome??????? glomerulonephritis
K019.00	Nephrotic syn,diffuse mesangiocapillary glomerulonephritis
K02..00	Chronic glomerulonephritis
K02..11	Nephritis - chronic
K02..12	Nephropathy - chronic
K021.00	Chronic membranous glomerulonephritis
K022.00	Chronic membranoproliferative glomerulonephritis
K023.00	Chronic rapidly progressive glomerulonephritis
K02y000	Chronic glomerulonephritis diseases EC
K02y200	Chronic focal glomerulonephritis
K02y300	Chronic diffuse glomerulonephritis
K02yz00	Other chronic glomerulonephritis NOS
K02z.00	Chronic glomerulonephritis NOS
K03..00	Nephritis and nephropathy unspecified
K03..11	Nephritis and nephropathy unspecified
K032.00	Membranoproliferative nephritis unspecified
K032000	Focal membranoproliferative glomerulonephritis



K032y00	Nephritis unsp membranoprolif glomerulonephritis lesion
K032y13	Mesangioproliferative glomerulonephritis NEC
K032y14	Mesangiocapillary glomerulonephritis NEC
K032z00	Nephritis unsp????? glomerulonephritis lesion NOS
K034.00	Renal cortical necrosis unspecified
K035.00	Renal medullary necrosis unspecified
K041.00	Acute renal cortical necrosis
K042.00	Acute renal medullary necrosis
K04y.00	Other acute renal failure
K04z.00	Acute renal failure NOS
K05..00	Chronic renal failure
K050.00	End stage renal failure
K06..00	Renal failure unspecified
K060.11	Impaired renal function
K080.00	Renal osteodystrophy
K080000	Phosphate-losing tubular disorders
K080100	Renal dwarfism
K080200	Renal infantilism
K080300	Renal rickets
K080z00	Renal osteodystrophy NOS
K081.00	Nephrogenic diabetes insipidus
K08y000	Hypokalaemic nephropathy
K08yz00	Other impaired renal function disorder NOS
K08z.00	Impaired renal function disorder NOS
K0A3200	Chron nephritic syndrom difuse membranous glomerulonephritis
K0A3300	Chron neph syn difus mesangial prolifrtiv glomerulonephritis

K0A3400 Chron neph syn difuse endocap prolifrativ glomerulonephritis  
K0A3500 Chronic neph syn difus mesangiocapillary glomerulonephritis  
K0A3700 Chronic nephritic syn diffuse crescentic glomerulonephritis  
K0A5500 [X]Hereditry nephropthy NEC difus mesangiocapillary glomneph  
K100000 Chronic pyelonephritis without medullary necrosis  
K100100 Chronic pyelonephritis with medullary necrosis  
K101000 Acute pyelonephritis without medullary necrosis  
K101100 Acute pyelonephritis with medullary necrosis  
Kyu2.00 [X]Renal failure  
Kyu2000 [X]Other acute renal failure  
Kyu2100 [X]Other chronic renal failure

Connective tissue disease (score 1)

2A42.00	SYSTEMIC LUPUS ERYTHEMATOSUS WITH RENAL
F371200	Polyneuropathy in rheumatoid arthritis
F396100	Myopathy due to disseminated lupus erythematosus
F396400	Myopathy due to rheumatoid arthritis
F396600	Myopathy due to scleroderma
G5yA.00	Rheumatoid carditis
H570.00	Rheumatoid lung
H572.00	Lung disease with systemic sclerosis
H57y100	Lung disease with polymyositis
H57y400	Lung disease with systemic lupus erythematosus
K01x400	Nephrotic syndrome in systemic lupus erythematosus
K01x411	Lupus nephritis
N000.00	Systemic lupus erythematosus
N000000	Disseminated lupus erythematosus
N000100	Libman-Sacks disease
N000200	Drug-induced systemic lupus erythematosus
N000300	Systemic lupus erythematosus with organ or sys involv
N000400	Systemic lupus erythematosus with pericarditis
N000z00	Systemic lupus erythematosus NOS
N001.00	Scleroderma
N001.11	Acrosclerosis
N001.12	Systemic sclerosis
N001000	Progressive systemic sclerosis
N001200	Systemic sclerosis induced by drugs and chemicals

N004.00	Polymyositis
N04..00	Rheumatoid arthritis and other inflammatory polyarthropathy
N040.00	Rheumatoid arthritis
N040200	Rheumatoid arthritis of shoulder
N040300	Rheumatoid arthritis of sternoclavicular joint
N040400	Rheumatoid arthritis of acromioclavicular joint
N040500	Rheumatoid arthritis of elbow
N040600	Rheumatoid arthritis of distal radio-ulnar joint
N040700	Rheumatoid arthritis of wrist
N040800	Rheumatoid arthritis of MCP joint
N040900	Rheumatoid arthritis of PIP joint of finger
N040A00	Rheumatoid arthritis of DIP joint of finger
N040B00	Rheumatoid arthritis of hip
N040C00	Rheumatoid arthritis of sacro-iliac joint
N040D00	Rheumatoid arthritis of knee
N040E00	Rheumatoid arthritis of tibio-fibular joint
N040F00	Rheumatoid arthritis of ankle
N040G00	Rheumatoid arthritis of subtalar joint
N040H00	Rheumatoid arthritis of talonavicular joint
N040J00	Rheumatoid arthritis of other tarsal joint
N040K00	Rheumatoid arthritis of 1st MTP joint
N040L00	Rheumatoid arthritis of lesser MTP joint
N040M00	Rheumatoid arthritis of IP joint of toe
N040P00	Seronegative rheumatoid arthritis
N040T00	Flare of rheumatoid arthritis
N041.00	Felty's syndrome

N042100	Rheumatoid lung disease
N047.00	Seropositive erosive rheumatoid arthritis
N04X.00	Seropositive rheumatoid arthritis, unspecified
N04y000	Rheumatoid lung
N04y011	Caplan's syndrome
N04y012	Fibrosing alveolitis associated with rheumatoid arthritis
N04y111	Sero negative polyarthritis
N060.11	Endemic polyarthritis
N20..00	Polymyalgia rheumatica
N200.00	Giant cell arteritis with polymyalgia rheumatica
N231400	Polymyositis ossificans
N240.00	Rheumatism and fibrositis unspecified
N240000	Rheumatism unspecified
N240200	Muscular rheumatism
N240700	Hand rheumatism
N240z00	Rheumatism or fibrositis NOS
N2y..00	Other specified nonarticular rheumatism
N2z..00	Nonarticular rheumatism NOS
Nyu1000	[X]Rheumatoid arthritis????? organs or systems
Nyu1100	[X]Other seropositive rheumatoid arthritis
Nyu1200	[X]Other specified rheumatoid arthritis
Nyu1G00	[X]Seropositive rheumatoid arthritis, unspecified
Nyu4300	[X]Other forms of systemic lupus erythematosus
Nyu4500	[X]Other forms of systemic sclerosis

