

# CIHI's Population Grouping Methodology 1.4

Overview and Outputs, 2023



Production of this document is made possible by financial contributions from Health Canada and provincial and territorial governments. The views expressed herein do not necessarily represent the views of Health Canada or any provincial or territorial government.

All rights reserved.

The contents of this publication may be reproduced unaltered, in whole or in part and by any means, solely for non-commercial purposes, provided that the Canadian Institute for Health Information is properly and fully acknowledged as the copyright owner. Any reproduction or use of this publication or its contents for any commercial purpose requires the prior written authorization of the Canadian Institute for Health Information. Reproduction or use that suggests endorsement by, or affiliation with, the Canadian Institute for Health Information is prohibited.

For permission or information, please contact CIHI:

Canadian Institute for Health Information 495 Richmond Road, Suite 600 Ottawa, Ontario K2A 4H6 Phone: 613-241-7860

Fax: 613-241-8120

cihi.ca

copyright@cihi.ca

ISBN 978-1-77479-224-7 (PDF)

© 2023 Canadian Institute for Health Information

How to cite this document:

Canadian Institute for Health Information. *CIHI's Population Grouping Methodology 1.4* — *Overview and Outputs, 2023.* Ottawa, ON: CIHI; 2023.

Cette publication est aussi disponible en français sous le titre *Méthodologie* de regroupement de la population de l'ICIS 1.4 — aperçu et extrants, 2023. ISBN 978-1-77479-225-4 (PDF)

### Table of contents

Overview	4
What is the POP Grouper?	4
What does the POP Grouper do?	4
What is needed to use the POP Grouper?	5
Outputs of the POP Grouper	6
Clinical outputs	
Health conditions	
Health profile groups and categories	8
Health pandemic flag	10
Longitudinal chronic health conditions	10
Predictive outputs	10
Data years	10
Predicted health care cost weights	11
Predicted use of selected health system resources	12
Appendices	13
Appendix A: 226 health conditions	13
Appendix B: 239 health profile groups	20
Appendix C: 16 health profile group categories	27

### Overview

The Population Grouping Methodology (POP Grouper) was developed by the Canadian Institute for Health Information (CIHI) to help meet the needs of Canada's health care systems.

This document provides an overview of the POP Grouper v1.4 and its clinical and predictive outputs. For more information, including how to access the grouper, please contact CIHI's Case Mix team at casemix@cihi.ca.

### What is the POP Grouper?

The POP Grouper is a methodology that uses a case-mix classification to profile each person in the population using person-level clinical information. This case-mix classification is then used to assign predictive indicators to each person. All persons in the population over a given time period, including healthy persons and persons who have not used the health system, are represented in the methodology.

The POP Grouper release consists of methodology notes, computer software that applies the methodology, a user guide for running the computer software and a licence agreement outlining how the software can be used. The POP Grouper is available for licensing to jurisdictional and regional ministries of health, health quality councils and research organizations, as well as other organizations.

### What does the POP Grouper do?

The POP Grouper builds clinical and demographic profiles for each person in a population. These profiles help predict the population's health care needs and costs. The POP Grouper can be used to

- Profile the overall health of the population;
- Monitor population health and diseases;
- Predict future health care costs;
- Predict future use of health services;
- Explain variations in health care resource use;
- · Identify high-cost users;
- Explore multi-morbidity; and
- Allow for meaningful comparisons of cohorts across jurisdictions.

### What is needed to use the POP Grouper?

The following items are required to be able to use the POP Grouper:

- A complete list of all individuals residing in the population boundary of interest:
  - All residents with a valid health care number who are eligible to receive publicly funded health services (often referred to as "person-level insured persons data")
- The person-level clinical and administrative data on health care services listed in the table below
- Statistical Analysis System (SAS) software
- CIHI POP Grouper licence
- CIHI POP Grouper software written in SAS

#### Table Data inputs for POP Grouper

Source of clinical data	CIHI clinical database	Clinical classification
Physician care	Patient-Level Physician Billing Repository, Primary Health Care — Alliance for Healthier Communities Database	ICD-9, ICD-10
Inpatient stays	Discharge Abstract Database	ICD-10-CA
Hospital inpatient mental health*	Ontario Mental Health Reporting System, Discharge Abstract Database	RAI-MH, ICD-9-CM, ICD-10-CM, DSM-5-TR, ICD-10-CA
Day surgeries	Discharge Abstract Database, National Ambulatory Care Reporting System	ICD-10-CA
Hospital clinic visits	National Ambulatory Care Reporting System	ICD-10-CA
<b>Emergency department visits</b>	National Ambulatory Care Reporting System	ICD-10-CA
Long-term care facilities	Continuing Care Reporting System, Integrated interRAI Reporting System	RAI-MDS 2.0, interRAI LTCF
Home care services	Home Care Reporting System, Integrated interRAI Reporting System	RAI-HC, interRAI HC

#### **Notes**

ICD-9: International Classification of Diseases. Ninth Revision.

ICD-10: International Statistical Classification of Diseases and Related Health Problems, 10th Revision.

ICD-10-CA: International Statistical Classification of Diseases and Related Health Problems, 10th Revision, Canada.

RAI-MH: Resident Assessment Instrument-Mental Health.

ICD-9-CM: International Classification of Diseases, Ninth Revision, Clinical Modification.

ICD-10-CM: International Classification of Diseases, Tenth Revision, Clinical Modification.

DSM-5-TR: Diagnostic and Statistical Manual of Mental Disorders, Fifth Edition, Text Revision.

RAI-MDS 2.0: Resident Assessment Instrument-Minimum Data Set 2.0.

interRAI LTCF: interRAI Long-Term Care Facilities.

RAI-HC: Resident Assessment Instrument-Home Care.

interRAI HC: interRAI Home Care.

#### Source

Population Grouping Methodology, 2023, Canadian Institute for Health Information.

<sup>\*</sup> Child and youth inpatient stays for mental illness in Ontario are included in the Discharge Abstract Database. Adult inpatient stays for mental illness in Ontario are included in the Ontario Mental Health Reporting System.

### Outputs of the POP Grouper

The POP Grouper was designed to develop demographic and clinical profiles, and to predict a series of health service utilization indicators based on 2 years of historical clinical and administrative data. From these 2 years of data, the POP Grouper methodology produces a person-level output file with the following information:

- Demographic profile (age, sex)
- · Clinical profile
  - 226 health conditions
  - 239 health profile groups (HPGs)
  - 16 HPG categories
  - Health services accessed
  - COVID-19 flag
  - Number of chronic health conditions
  - All chronic health conditions over multiple years and the first date when a chronic health condition was identified
- Predictive indicators (for both the study period and 1 year into the future)
  - Health care cost weights
  - Number of visits to an emergency department (ED)
  - Number of visits to a primary health care physician
  - Probability of admission to long-term care (LTC) for those age 65 and older (for 1 year into the future only)
  - Probability of admission to a hospital inpatient bed for pneumonia or acute infectious/ parasitic respiratory disease (for 1 year into the future only)

The following sections provide an overview of the POP Grouper's clinical and predictive outputs.

### Clinical outputs

This section describes the POP Grouper's clinical outputs, including health conditions, HPGs, HPG categories and functional status.

### Health conditions

The foundation of the POP Grouper is the health condition classification, which consists of a set of 226 health conditions. The health condition classification uses diagnosis information from historical clinical administrative data from a person's encounters with the health system and identifies which of the 226 conditions the person has.

225 of the 226 health conditions are identified using the following sources:

- Diagnoses from the *International Statistical Classification of Diseases and Related Health Problems*:
  - Ninth Revision (ICD-9)
  - Ninth Revision, Clinical Modification (ICD-9-CM)
  - Tenth Revision (ICD-10)
  - Tenth Revision, Canada (ICD-10-CA)
  - Tenth Revision, Clinical Modification (ICD-10-CM)
- Codes from the Diagnostic and Statistical Manual of Mental Disorders, Fifth Edition, Text Revision (DSM-5-TR)
- Clinical data elements from the Resident Assessment Instrument–Minimum Data Set 2.0
  (RAI-MDS 2.0), interRAI Long-Term Care Facilities (interRAI LTCF), Resident Assessment
  Instrument–Home Care (RAI-HC), interRAI Home Care (interRAI HC) and Resident
  Assessment Instrument–Mental Health (RAI-MH)

1 health condition — healthy newborn — is identified by age.

For most clinical data sources, the presence of a diagnosis at a single point in time is enough information to identify a health condition in the health condition classification. However, for patient-level physician billing and primary care visit data, which is used to capture physician care, an additional step is required to assign health conditions — namely, applying tagging rules. Tagging rules are used to mitigate against false-positive disease tagging from physician billing data, which is used as a mechanism to pay physicians and not inherently as a clinical data source.

Additionally, the POP Grouper health condition classification incorporates clinical overrides, which remove redundancies that may exist on a person's clinical profile after assigning health conditions. Clinical overrides represent a transition point in the classification where the perspective shifts from looking at health conditions individually to looking at the clinical profile of the person holistically.

The determination of the 226 health conditions, the conditions' diagnosis mappings, the tagging rules and the clinical overrides are all components of the health condition classification included in the POP Grouper. <u>Appendix A</u> contains a list of the 226 health condition codes in the POP Grouper and their descriptions. A person can have from 1 to many health conditions based on their diagnosis.

### Health profile groups and categories

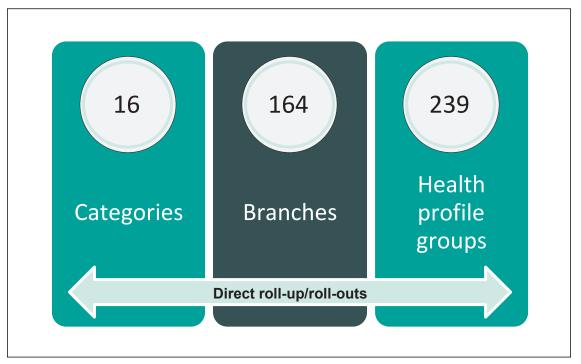
The HPG methodology leverages all of the methodology used in the assignment of health conditions and then synthesizes an individual's clinical profile down to the most complex and clinically relevant health condition present.

The HPG methodology consists of the following key components:

- Branches: The 226 health conditions are rolled up to 164 branches. Branches group
  health conditions that are clinically similar and that require similar resources. There is
  also a branch for health system users with no health conditions and a branch for non-users.
- Ranking: The 164 branches are ranked from the most to least clinically complex and
  resource intensive. For individuals with more than one health condition, this hierarchy
  is used to identify the highest-ranking branch; individuals are then assigned to that
  1 branch. This is the branch used to form the basis of their HPG.
- Presence of relevant comorbidities: The majority of branches are then further segmented into 2 — those with and those without major/moderate comorbidities, resulting in a total of 239 HPGs.
- Categories: Each of the 164 branches is also mapped to 1 of 16 categories. The categories provide broad information about the type (e.g., acute, chronic, cancer, mental health, newborn, obstetrics, palliative) and severity (e.g., minor, moderate, major) of the HPG.

All components of the HPG classification are connected. As illustrated in the figure below, the 164 branches can be rolled up into 1 of 16 categories or further segmented into the 239 HPGs. This allows users to analyze the data at the level most meaningful to them.

Figure Relationship between components of the HPG classification



#### Source

Population Grouping Methodology, 2023, Canadian Institute for Health Information.

Appendix B contains a list of the 239 HPG codes in the POP Grouper and their descriptions. A person can have only 1 HPG that represents the most complex and clinically relevant health condition present.

Appendix C contains a list of the 16 HPG category codes in the POP Grouper and their descriptions.

### Health pandemic flag

In light of the pandemic that began in 2020, a COVID-19 flag has been added to the output of the POP Grouper to help identify persons treated for COVID-19. Each person in the population will be assigned a value using this health pandemic flag to differentiate among

- · Diagnosis not present;
- Confirmed virus;
- · Suspected virus; or
- Treated for COVID-19 with confirmed or suspected virus (assigned when there is no clear indication to further differentiate between confirmed and suspected cases).

### Longitudinal chronic health conditions

Version 1.4 of the methodology includes a longitudinal output file that identifies chronic health conditions before applying the clinical override on an individual's clinical profile. Conditions are identified over multiple years, including an index date (i.e., the first date when the condition was identified) and the count of total chronic health conditions. In total, 82 health conditions are classified as chronic.

### **Predictive outputs**

### Data years

The POP Grouper divides data years into 2 time periods — concurrent and prospective.

- The concurrent period refers to the interval of time for which historical clinical data is compiled to build clinical profiles. The methodology uses a 2-year concurrent period.
   Predictive indicators for the concurrent period are also provided by the methodology.
- The prospective period is the time period in the future for which health system activity
  and utilization are being predicted. The methodology defines the prospective period
  as the 1 year following the concurrent period.

### Predicted health care cost weights

CIHI's POP Grouper includes 2 cost weight indicators (i.e., a relative measure of health care costs): 1 for the 2-year reference period (concurrent period) and 1 for the future year following the reference period (prospective period). Each of these cost weights encompasses the hospital inpatient, day surgery and ED costs that are covered by hospital budgets, as well as LTC and publicly funded physician costs.

The cost weight indicator methodology and the values it assigns are based on regression models. The methodology includes 2 cost models, one based on health conditions and the other on HPG. These models use cost as the response variable. In the health condition model, the predictor variables are age, sex, the health conditions that remain assigned to the person after the clinical overrides are applied, the interaction effects for several hundred pairs of health conditions, the number of health conditions and the LTC ADL score assigned to the person. In the HPG model, the predictor variables are the HPG and the LTC ADL score assigned to the person.

Person-level cost weights are assigned to all persons who are eligible for health care in the jurisdiction as identified through the insured persons data. For cost weight assignment, the methodology splits this eligible population into 3 distinct sub-populations.

In the health condition model:

- **Non-users**: Assigned a concurrent cost weight of 0 and a prospective cost weight based on age and sex
- **Users without health conditions:** Assigned concurrent and prospective cost weights based on age and sex
- Users with health conditions: Assigned concurrent and prospective cost weights based on knowledge of the presence or absence of each of the 226 health conditions during the concurrent period, influential 2-way health condition interactions, number of health conditions and the LTC ADL score (whether it's high or low)

In the HPG model:

- Non-users and users without health conditions: Assigned cost weights based on the average cost of all individuals in each HPG in each of the concurrent and prospective periods
- Users with health conditions: Assigned concurrent and prospective cost weights based on knowledge of the presence of an HPG and the LTC ADL score (whether it's high or low)

An exception to the above logic applies to persons who are not eligible for health care on the last day of the concurrent period; they are assigned a prospective cost weight of 0.

## Predicted use of selected health system resources

In addition to predicting cost, CIHI's POP Grouper includes 4 predictive indicators of health system usage. Using age, sex, health conditions and interaction effects for key health conditions as predictor variables, regression models were developed to predict the following use of health care services:

- Number of visits to an ED in each of the concurrent and prospective periods;
- Number of visits to a primary health care provider in each of the concurrent and prospective periods;
- Probability of entering LTC for those age 65 and older during the prospective period; and
- Probability of entering a hospital inpatient bed for pneumonia or acute infectious/parasitic respiratory disease for those age 20 and older during the prospective period.

For both the cost weight models and the 4 additional models to predict health system utilization, the data was randomly split into 2 partitions; 1 partition consisted of 70% of the records and 1 partition consisted of the remaining 30% of the records. The 70% partition was used in the derivation of the model (estimation data set) and the 30% partition was used to evaluate the goodness of fit of the predicted number of visits (validation data set).

### **Appendices**

### Appendix A: 226 health conditions

Health condition code	Description
A01	Congenital malformation of the nervous system (including spina bifida)
A02	Hereditary/degenerative condition of the nervous system
A03	Muscular dystrophy/other myopathy
A04	Parkinson's disease/parkinsonism
A05	Multiple sclerosis/other demyelinating disease of the central nervous system
A06	Cerebral palsy
A07	Paralytic syndrome/spinal cord injury
A08	Disorder of the peripheral nervous system (including carpal tunnel, Bell's palsy)
A09	Epilepsy
A10	Other cerebral and spinal disease/disorder
A11	Other disease of the nervous system
A41	Stroke
A42	Cerebrovascular disorder (excluding stroke)
A43	Transient ischemic attack
A44	Intracranial injury
A45	Skull fracture
A46	Concussion
A47	Infection/inflammation of the nervous system
A48	Nerve injury
A81	Coma, unspecified
A82	Seizure
A83	Migraine/other headache
A84	Neurological, sensory, cognitive sign/symptom
B01	Cataract/lens disorder
B02	Retinopathy
B03	Strabismus
B04	Disorder of the eyelid/lacrimal system
B05	Vision impairment (including blindness)
B06	Glaucoma
B07	Other eye disease/disorder
B41	Retinal break/detachment

Health	
condition	Paradation (
code	Description
B42	Infection/inflammation of the eye
B43	Injury of the eye and periocular area
C01	Congenital/acquired malformation of the ear/nose/throat
C02	Disease of the oral cavity/salivary gland/jaw
C03	Dental caries/gingivitis
C04	Chronic upper respiratory condition (including tonsillitis)
C05	Hearing loss (including deafness)
C06	Disorder of the external ear
C07	Other disease of the middle/inner ear/mastoid
C08	Meniere's disease/dizziness/vertigo
C41	Otitis media
C42	Acute ENT, upper respiratory condition (including benign neoplasm, croup)
D01	Pleural disease (including pleural effusion)
D02	Congenital disorder of the respiratory system
D03	Chronic obstructive pulmonary disease (COPD)
D04	Pulmonary hypertension
D05	Other chronic lung disease
D06	Asthma
D41	Respiratory failure
D42	Pneumonia
D43	Acute infectious/parasitic respiratory disease (excluding pneumonia)
D44	Acute and other respiratory disease/disorder
D81	Sign/symptom of the respiratory system
E01	Heart failure
E02	Malformation of the cardiovascular system
E03	Cardiac valve disease
E04	Coronary artery disease
E05	Arrhythmia
E06	Other heart disease
E07	Peripheral venous disease/phlebitis/thrombophlebitis/deep vein thrombosis (DVT)
E08	Uncomplicated varicose veins
E09	Other vascular system disease
E10	Hypertension
E11	Aortic aneurysm
E12	Peripheral artery disease
E41	Acute myocardial infarction/shock/arrest

Health condition	
Condition	
code	Description
E43	Unstable angina
E82	Sign/symptom of the cardiovascular system
F01	Congenital malformation of the digestive/hepatobiliary system
F02	Gastroesophageal reflux disease
F03	Other disease of the esophagus
F04	Gastritis/duodenitis
F05	Hernia
F06	Inflammatory bowel disease (including Crohn's, ulcerative colitis)
F07	Vascular disorder of the intestine (including ischemic bowel)
F08	Diverticulitis
F09	Hemorrhoids
F10	Benign neoplasm/polyp in colon, rectum, anus
F11	Other rectal/anal disorder
F12	Other disease/disorder of the digestive system
F41	Acute gastrointestinal infection
F42	Unspecified gastrointestinal hemorrhage
F43	Gastrointestinal obstruction
F44	Peptic ulcer
F45	Peritoneal disease (including peritonitis)
F46	Disease of the appendix
F81	Sign/symptom, digestive/hepatobiliary system
F82	Abdominal pain
G01	Cirrhosis
G02	Chronic liver disease (including hepatitis)
G03	Pancreatic disease
G04	Acute liver disease/other hepatic disorder
G05	Disease of the gallbladder/biliary tract
H01	Rheumatoid/other inflammatory arthropathy (excluding gout)
H02	Osteoarthritis
H03	Crystal arthropathy (including gout)
H04	Osteoporosis
H05	Other bone disease
H06	Vertebral/disc/other disease of the back
H07	Systemic connective tissue disorder (including lupus, scleroderma)
H08	Musculoskeletal malformation (excluding spine)
Н09	Myositis and soft tissue disorder (including muscle inflammation)

Health	
condition	
code	Description
H10	Other musculoskeletal/connective tissue condition
H41	Traumatic amputation of the arm/hand/leg/foot
H42	Fracture/dislocation of the vertebrae/pelvis
H43	Fracture of the femur
H44	Other fracture/dislocation
H45	Benign/unspecified musculoskeletal neoplasm
H46	Joint/tendon disorder and injury (including pain/sprain/strain)
H47	Musculoskeletal infection
H81	Neuromuscular sign/symptom
H82	Back pain
101	Autoimmune skin disorder
102	Papulosquamous disorder/psoriasis
103	Eczema/dermatitis/hives
104	Acne/rosacea
105	Skin ulcer (including decubitus)
106	Benign skin neoplasm
107	Benign disorder of the breast
108	Disease of the hair/nail/sweat glands
109	Other condition of the skin/subcutaneous tissue
141	Serious burn/frostbite
142	Skin infection (including cellulitis)
143	Superficial skin injury/contusion/non-serious burn
181	Sign/symptom, skin
J01	Cystic fibrosis
J02	Diabetes mellitus
J03	Goitre
J04	Hyperthyroidism
J05	Hypothyroidism
J06	Adrenal disorder
J07	Other disease of the endocrine system
J08	Malnutrition/vitamin deficiency
J09	Hypercholesterolemia/other dyslipidemia
J10	Obesity
J11	Disorder of the electrolyte acid base balance
J12	Hypoglycemia
J13	Other disorder of metabolism
	l .

Health	
condition	
code	Description
K01	Chronic kidney disease/failure
K02	Benign/unspecified urinary neoplasm
К03	Other disease/disorder of the bladder/urethra
K04	Other disease of the urinary system
K05	Prostate disorder
К06	Other disease of the male reproductive system
K07	Urinary incontinence (stress)
K41	Acute/other kidney disease/failure
K42	Urinary tract infection (UTI)/cystitis
K43	Urinary obstruction/retention
K81	Sign/symptom of the urinary system
L01	Female infertility
L02	Menstruation disorder (including menopause)
L03	Congenital/other female reproductive condition
L04	Endometriosis/pelvic inflammatory disease
L05	Other uterine/fallopian/ovarian condition (including prolapse, fistula)
M41	Antepartum condition
M42	Unsuccessful/ectopic pregnancy
M43	Completed pregnancy
N41	Extremely low birth weight or immaturity
N42	Serious perinatal condition
N43	Complicated neonatal condition
N44	Healthy newborn
O01	Disease of the white blood cells (including neutropenia)
O02	Anemia disorder (excluding nutritional)
O03	Coagulation/hemorrhagic disorder
O04	Spleen disorder
O05	Lymphatic system disorder (excluding spleen)
006	Disorder of the immune mechanism
O07	Other disease of the blood/blood-forming organs
P01	Human immunodeficiency virus (HIV) infection
P02	Tuberculosis disease
P03	Sexually transmitted infection (excluding HIV)
P41	Sepsis
P42	Influenza
P43	Other viral infection
	l .

Health	
condition	
code	Description
P44	Other bacterial infection
P45	Other/unspecified infection
Q01	Dementia (including Alzheimer's disease)
Q02	Delusional disorder (including schizophrenia)
Q03	Mental disorder resulting from brain injury or other illness
Q04	Depression
Q05	Bipolar/manic mood disorder
Q06	Personality disorder
Q07	Drug/alcohol dependence
Q08	Eating disorder
Q09	Intellectual disorder/delay
Q10	Developmental disorder (including autism spectrum)
Q11	Neurotic/anxiety/obsessive compulsive disorder
Q12	Adjustment reaction/stress
Q13	Emotional and behavioural disorder with onset generally in childhood
Q14	Other/unspecified mental disorder/condition
Q81	Delirium
Q82	Mental health sign/symptom
R01A	Brain cancer
R02C	Oral/ear/nose/throat cancer
R03D	Lung cancer
R04F	Colorectal cancer
R05F	Other digestive/hepatobiliary cancer
R06H	Musculoskeletal cancer
R07K	Renal cancer
R08I	Breast cancer
R09I	Skin cancer
R10J	Thyroid cancer
R11K	Prostate cancer
R12K	Bladder cancer
R13L	Ovarian cancer
R14L	Uterine cancer
R15L	Cervical cancer
R160	Leukemia/lymphoma
R17	Other/unspecified primary cancer
R18	Metastatic cancer
	<u> </u>

Health condition code	Description
S01	Palliative state
S02	Chromosomal/other/unspecified congenital syndrome/disorder
S03	Transplant recipient
S04	Presence of ostomy
S41	Transplant complication
S42	Orthopedic complication
S43	Ostomy complication
S44	Poisoning/adverse effects
S45	Other trauma/injury (not elsewhere classified)
S46	Other complication of medical or surgical care
S47	Shock
S48	Open wound
S49	Internal trauma
S50	Reaction to transfusion/medication/anesthesia
S81	General sign/symptom (not elsewhere classified)

### Appendix B: 239 health profile groups

HPG code	Description
A001C	Paralytic syndrome with condition other than stroke without significant comorbidities
A002C	Paralytic syndrome with condition other than stroke with significant comorbidities
A003C	Paralytic syndrome with stroke
A004C	Congenital malformation of the nervous system (including spina bifida) without significant comorbidities
A005C	Congenital malformation of the nervous system (including spina bifida) with significant comorbidities
A006A	Stroke without paralytic syndrome without significant comorbidities
A007A	Stroke without paralytic syndrome with significant comorbidities
A008A	Other cerebral and spinal disorder (including benign neoplasms) without significant comorbidities
A009A	Other cerebral and spinal disorder (including benign neoplasms) with significant comorbidities
A010C	Parkinson's disease/parkinsonism without significant comorbidities
A011C	Parkinson's disease/parkinsonism with significant comorbidities
A012C	Cerebral palsy without significant comorbidities
A013C	Cerebral palsy with significant comorbidities
A014C	Major chronic nervous system condition without significant comorbidities
A015C	Major chronic nervous system condition with significant comorbidities
A030A	Cerebrovascular disorder (excluding stroke) without significant comorbidities
A031A	Cerebrovascular disorder (excluding stroke) with significant comorbidities
A032A	Seizure
A033A	Disorder of the peripheral nervous system (including carpal tunnel, Bell's palsy) without significant comorbidities
A034A	Disorder of the peripheral nervous system (including carpal tunnel, Bell's palsy) with significant comorbidities
A035C	Epilepsy without significant comorbidities
A036C	Epilepsy with significant comorbidities
A037C	Multiple sclerosis/other demyelinating disease of the central nervous system without significant comorbidities
A038C	Multiple sclerosis/other demyelinating disease of the central nervous system with significant comorbidities
A039A	Transient ischemic attack
A050A	Neurological, sensory, cognitive sign/symptom (including insomnia)
A051A	Migraine/other headache
B030C	Retinopathy without significant comorbidities
B031C	Retinopathy with significant comorbidities
B032C	Cataract/lens disorder
B050A	Retinal break/detachment
B051C	Other eye disease/disorder

HPG code	Description
B052C	Chronic vision impairment
B053A	Minor acute eye (including conjunctivitis)
C054A	Disease of the oral cavity/salivary gland/jaw
C055A	Chronic upper respiratory condition (including tonsillitis)
C056A	Disorder of the external ear
C057A	Otitis media
C058A	Acute ENT, upper respiratory condition (including colds, croup)
D001A	Respiratory failure with heart failure
D002A	Respiratory failure without heart failure
D003C	Pulmonary hypertension
D004A	Pneumonia with COPD without significant comorbidities
D005A	Pneumonia with COPD with significant comorbidities
D030C	COPD without pneumonia without significant comorbidities
D031C	COPD without pneumonia with significant comorbidities
D050A	Pneumonia without COPD
D051C	Asthma
D052A	Minor acute respiratory condition (including cough, bronchitis)
E001C	Acute myocardial infarction with heart failure without significant comorbidities
E002C	Acute myocardial infarction with heart failure with significant comorbidities
E003C	Heart failure with coronary artery disease (CAD)/arrhythmia without significant comorbidities
E004C	Heart failure with coronary artery disease (CAD)/arrhythmia with significant comorbidities
E005A	Acute myocardial infarction (AMI) without heart failure without significant comorbidities
E006A	Acute myocardial infarction (AMI) without heart failure with significant comorbidities
E007C	Heart failure without acute myocardial infarction (AMI), respiratory failure or coronary artery disease (CAD) without significant comorbidities
E008C	Heart failure without acute myocardial infarction (AMI), respiratory failure or coronary artery disease (CAD) with significant comorbidities
E009C	Cardiac valve disease without significant comorbidities
E010C	Cardiac valve disease with significant comorbidities
E011A	Unstable angina without significant comorbidities
E012A	Unstable angina with significant comorbidities
E013C	Peripheral vascular disease (PVD)/other chronic vascular diagnosis (without diabetes mellitus/ hypoglycemia) without significant comorbidities
E014C	Peripheral vascular disease (PVD)/other chronic vascular diagnosis (without diabetes mellitus/ hypoglycemia) with significant comorbidities
E030C	Coronary artery disease (CAD)/arrhythmia without heart failure without significant comorbidities
E031C	Coronary artery disease (CAD)/arrhythmia without heart failure with significant comorbidities
E050C	Hypertension
E051A	Sign/symptom, cardiovascular system (including chest pain, palpitations)

F001A Major acute gastrointestinal (GI)/peritonitis with significant comorbidities F002A Major acute gastrointestinal (GI)/peritonitis with significant comorbidities F030A Unspecified gastrointestinal hemorrhage without significant comorbidities F031A Unspecified gastrointestinal hemorrhage with significant comorbidities F032A Disease of the appendix without significant comorbidities F033A Disease of the appendix with significant comorbidities F033A Disease of the appendix with significant comorbidities F034C Inflammatory bowel disease (including Crohn's, ulcerative colitis) without significant comorbidities F035C Inflammatory bowel disease (including Crohn's, ulcerative colitis) with significant comorbidities F036A Peptic ulcer without significant comorbidities F037A Peptic ulcer without significant comorbidities F037A Peptic ulcer with significant comorbidities F036A Unter disease/disorder of the digestive system F051A Gastroesophageal reflux disease F052A Other disease of the esophagus (including esophagitis) F054C Diverticulitis F055A Benign neoplasm and other rectal/anal disorder F056A Minor gastrointestinal (GI) acute condition (including GI symptom, ill-defined infection) F057C Gastritis/duodenitis G001C Pancreatic disease without significant comorbidities G002C Pancreatic disease without significant comorbidities G003C Cirrhosis without significant comorbidities G003C Cirrhosis with significant comorbidities G03A Disease of the gallbladder/biliary tract without significant comorbidities G03A Disease of the gallbladder/biliary tract with significant comorbidities H00A Musculoskeletal infection with significant comorbidities H00A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) with significant comorbidities H00A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) with significant comorbidities H00A Septemic comorbidities H00A Septemic comorbidities H00A Septemic comorbidities H00A Osteoporosis with significant comorbidities H03AC System	HPG code	Description
F031A Unspecified gastrointestinal hemorrhage without significant comorbidities F031A Unspecified gastrointestinal hemorrhage with significant comorbidities F032A Disease of the appendix without significant comorbidities F033A Disease of the appendix with significant comorbidities F034C Inflammatory bowel disease (including Crohn's, ulcerative colitis) without significant comorbidities F035C Inflammatory bowel disease (including Crohn's, ulcerative colitis) with significant comorbidities F036A Peptic ulcer without significant comorbidities F037A Peptic ulcer without significant comorbidities F037A Peptic ulcer with significant comorbidities F051A Gastroesophageal reflux disease F051A Gastroesophageal reflux disease F052A Other disease/disorder of the digestive system F053C Other disease of the esophagus (including esophagitis) F055A Benign neoplasm and other rectal/anal disorder F056A Minor gastrointestinal (GI) acute condition (including GI symptom, ill-defined infection) F057C Gastritis/duodenitis G001C Pancreatic disease without significant comorbidities G002C Pancreatic disease with significant comorbidities G003C Cirrhosis without significant comorbidities G003C Cirrhosis without significant comorbidities G003C Cirrhosis without significant comorbidities G03A Disease of the gallbladder/biliary tract with significant comorbidities G03A Disease of the gallbladder/biliary tract with significant comorbidities H001A Musculoskeletal infection without significant comorbidities H003A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) without significant comorbidities H003C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) without significant comorbidities  H03C Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	F001A	Major acute gastrointestinal (GI)/peritonitis without significant comorbidities
F031A Unspecified gastrointestinal hemorrhage with significant comorbidities F032A Disease of the appendix without significant comorbidities F033A Disease of the appendix with significant comorbidities F034C Inflammatory bowel disease (including Crohn's, ulcerative colitis) without significant comorbidities F035C Inflammatory bowel disease (including Crohn's, ulcerative colitis) with significant comorbidities F036A Peptic ulcer without significant comorbidities F037A Peptic ulcer with significant comorbidities F037A Peptic ulcer with significant comorbidities F051A Gastroesophageal reflux disease F052A Other disease/disorder of the digestive system F053C Other disease of the esophagus (including esophagitis) F054C Diverticulitis F055A Benign neoplasm and other rectal/anal disorder F056A Minor gastrointestinal (GI) acute condition (including GI symptom, ill-defined infection) F057C Gastritis/duodenitis G001C Pancreatic disease without significant comorbidities G002C Pancreatic disease without significant comorbidities G003C Cirrhosis without significant comorbidities G003C Cirrhosis with significant comorbidities G03A Disease of the gallbladder/biliary tract without significant comorbidities G03A Disease of the gallbladder/biliary tract without significant comorbidities G03A Musculoskeletal infection without significant comorbidities G03A Musculoskeletal infection without significant comorbidities H00A Musculoskeletal infection without significant comorbidities H00A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) without significant comorbidities H00A Rheumatold/osteoarthritis and other inflammatory arthropathy (excluding gout) with significant comorbidities H03C Osteoporosis with significant comorbidities H03C Osteoporosis with significant comorbidities H03AC Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	F002A	Major acute gastrointestinal (GI)/peritonitis with significant comorbidities
F032A Disease of the appendix without significant comorbidities F033A Disease of the appendix with significant comorbidities F034C Inflammatory bowel disease (including Crohn's, ulcerative colitis) without significant comorbidities F035C Inflammatory bowel disease (including Crohn's, ulcerative colitis) with significant comorbidities F036A Peptic ulcer without significant comorbidities F037A Peptic ulcer with significant comorbidities F050A Hernia F051A Gastroesophageal reflux disease F052A Other disease/disorder of the digestive system F053C Other disease of the esophagus (including esophagitis) F054C Diverticulitis F055A Benign neoplasm and other rectal/anal disorder F056A Minor gastrointestinal (GI) acute condition (including GI symptom, ill-defined infection) F057C Gastritis/duodenitis G001C Pancreatic disease without significant comorbidities G002C Pancreatic disease with significant comorbidities G003C Cirrhosis without significant comorbidities G004C Cirrhosis with significant comorbidities G004C Cirrhosis with significant comorbidities G031A Disease of the gallbladder/biliary tract without significant comorbidities G031A Disease of the gallbladder/biliary tract with significant comorbidities H001A Musculoskeletal infection with significant comorbidities H003A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) without significant comorbidities H003A Reumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) without significant comorbidities H03C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) without significant comorbidities H03C Osteoporosis without significant comorbidities H03C Osteoporosis without significant comorbidities H03AC Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	F030A	Unspecified gastrointestinal hemorrhage without significant comorbidities
F033A Disease of the appendix with significant comorbidities F034C Inflammatory bowel disease (including Crohn's, ulcerative colitis) without significant comorbidities F035C Inflammatory bowel disease (including Crohn's, ulcerative colitis) with significant comorbidities F036A Peptic ulcer without significant comorbidities F037A Peptic ulcer with significant comorbidities F050A Hernia F051A Gastroesophageal reflux disease F052A Other disease/disorder of the digestive system F053C Other disease of the esophagus (including esophagitis) F054C Diverticulitis F055A Benign neoplasm and other rectal/anal disorder F056A Minor gastrointestinal (GI) acute condition (including GI symptom, ill-defined infection) F057C Gastritis/duodenitis G001C Pancreatic disease without significant comorbidities G002C Pancreatic disease with significant comorbidities G003C Cirrhosis without significant comorbidities G003C Cirrhosis without significant comorbidities G003C Cirrhosis without significant comorbidities G031A Disease of the galibladder/biliary tract without significant comorbidities G032C Chronic liver disease (including hepatitis) H001A Musculoskeletal infection with significant comorbidities H003A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) without significant comorbidities H003A Reumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) with significant comorbidities H03C Osteoporosis without significant comorbidities H03C Osteoporosis without significant comorbidities H03C Osteoporosis without significant comorbidities H03AC Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	F031A	Unspecified gastrointestinal hemorrhage with significant comorbidities
F034C Inflammatory bowel disease (including Crohn's, ulcerative colitis) without significant comorbidities F035C Inflammatory bowel disease (including Crohn's, ulcerative colitis) with significant comorbidities F036A Peptic ulcer without significant comorbidities F037A Peptic ulcer with significant comorbidities F050A Hernia F051A Gastroesophageal reflux disease F052A Other disease/disorder of the digestive system F053C Other disease of the esophagus (including esophagitis) F055A Benign neoplasm and other rectal/anal disorder F056A Minor gastrointestinal (GI) acute condition (including GI symptom, ill-defined infection) F057C Gastritis/duodenitis G001C Pancreatic disease without significant comorbidities G002C Pancreatic disease with significant comorbidities G003C Cirrhosis without significant comorbidities G004C Cirrhosis without significant comorbidities G030A Disease of the gallbladder/biliary tract without significant comorbidities G031A Disease of the gallbladder/biliary tract with significant comorbidities G032C Chronic liver disease (including hepatitis) H001A Musculoskeletal infection without significant comorbidities H003A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) with significant comorbidities H003A Reproductive disease (including fracture of the femur/spine, limb amputation) with significant comorbidities H003A Reproductive disease disea	F032A	Disease of the appendix without significant comorbidities
F035C Inflammatory bowel disease (including Crohn's, ulcerative colitis) with significant comorbidities F036A Peptic ulcer without significant comorbidities F037A Peptic ulcer with significant comorbidities F050A Hernia F051A Gastroesophageal reflux disease F052A Other disease/disorder of the digestive system F053C Other disease of the esophagus (including esophagitis) F055A Benign neoplasm and other rectal/anal disorder F056A Minor gastrointestinal (GI) acute condition (including GI symptom, ill-defined infection) F057C Gastritis/duodenitis G001C Pancreatic disease without significant comorbidities G002C Pancreatic disease with significant comorbidities G003C Cirrhosis without significant comorbidities G004C Cirrhosis without significant comorbidities G030A Disease of the gallbladder/biliary tract without significant comorbidities G031A Disease of the gallbladder/biliary tract with significant comorbidities G032C Chronic liver disease (including hepatitis) H001A Musculoskeletal infection without significant comorbidities H003A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) with significant comorbidities H003A Reparate musculoskeletal (including fracture of the femur/spine, limb amputation) with significant comorbidities H003C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) without significant comorbidities H03C Osteoporosis without significant comorbidities H03C Osteoporosis without significant comorbidities H03AC Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	F033A	Disease of the appendix with significant comorbidities
F036A Peptic ulcer without significant comorbidities F037A Peptic ulcer with significant comorbidities F050A Hernia F051A Gastroesophageal reflux disease F052A Other disease/disorder of the digestive system F053C Other disease/disorder of the digestive system F053C Diverticulitis F055A Benign neoplasm and other rectal/anal disorder F056A Minor gastrointestinal (GI) acute condition (including GI symptom, ill-defined infection) F057C Gastritis/duodenitis G001C Pancreatic disease without significant comorbidities G002C Pancreatic disease with significant comorbidities G003C Cirrhosis without significant comorbidities G003C Cirrhosis without significant comorbidities G003A Disease of the gallbladder/biliary tract without significant comorbidities G031A Disease of the gallbladder/biliary tract with significant comorbidities G032C Chronic liver disease (including hepatitis) H001A Musculoskeletal infection without significant comorbidities H002A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) without significant comorbidities H004A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) with significant comorbidities H003C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) with significant comorbidities H031C Osteoporosis without significant comorbidities H032C Osteoporosis without significant comorbidities H033C Osteoporosis with significant comorbidities H034C Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	F034C	Inflammatory bowel disease (including Crohn's, ulcerative colitis) without significant comorbidities
F037A Peptic ulcer with significant comorbidities F050A Hernia F051A Gastroesophageal reflux disease F052A Other disease/disorder of the digestive system F053C Other disease of the esophagus (including esophagitis) F054C Diverticulitis F055A Benign neoplasm and other rectal/anal disorder F056A Minor gastrointestinal (GI) acute condition (including GI symptom, ill-defined infection) F057C Gastritis/duodentitis G001C Pancreatic disease without significant comorbidities G002C Pancreatic disease with significant comorbidities G003C Cirrhosis without significant comorbidities G004C Cirrhosis with significant comorbidities G030A Disease of the gallbladder/biliary tract without significant comorbidities G031A Disease of the gallbladder/biliary tract with significant comorbidities H001A Musculoskeletal infection without significant comorbidities H002A Musculoskeletal infection without significant comorbidities H003A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) without significant comorbidities H004A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) with significant comorbidities H03C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) with significant comorbidities H031C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) with significant comorbidities H033C Osteoporosis with significant comorbidities H033C Osteoporosis with significant comorbidities H034C Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	F035C	Inflammatory bowel disease (including Crohn's, ulcerative colitis) with significant comorbidities
F050A Hernia F051A Gastroesophageal reflux disease F052A Other disease/disorder of the digestive system F053C Other disease of the esophagus (including esophagitis) F054C Diverticulitis F055A Benign neoplasm and other rectal/anal disorder F056A Minor gastrointestinal (GI) acute condition (including GI symptom, ill-defined infection) F057C Gastritis/duodenitis G001C Pancreatic disease without significant comorbidities G002C Pancreatic disease with significant comorbidities G003C Cirrhosis without significant comorbidities G004C Cirrhosis with significant comorbidities G030A Disease of the gallbladder/biliary tract without significant comorbidities G031A Disease of the gallbladder/biliary tract with significant comorbidities G032C Chronic liver disease (including hepatitis) H001A Musculoskeletal infection without significant comorbidities H002A Musculoskeletal infection with significant comorbidities H003A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) with significant comorbidities H004A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) with significant comorbidities H003C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) with significant comorbidities H031C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) with significant comorbidities H032C Osteoporosis with significant comorbidities H033C Osteoporosis with significant comorbidities H034C Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	F036A	Peptic ulcer without significant comorbidities
F052A Other disease/disorder of the digestive system  F053C Other disease of the esophagus (including esophagitis)  F054C Diverticulitis  F055A Benign neoplasm and other rectal/anal disorder  F056A Minor gastrointestinal (GI) acute condition (including GI symptom, ill-defined infection)  F057C Gastritis/duodenitis  G001C Pancreatic disease without significant comorbidities  G002C Pancreatic disease with significant comorbidities  G003C Cirrhosis without significant comorbidities  G004C Cirrhosis with significant comorbidities  G030A Disease of the gallbladder/biliary tract without significant comorbidities  G031A Disease of the gallbladder/biliary tract with significant comorbidities  G032C Chronic liver disease (including hepatitis)  H001A Musculoskeletal infection without significant comorbidities  H002A Musculoskeletal infection with significant comorbidities  H003A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) without significant comorbidities  H004A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) without significant comorbidities  H03C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) without significant comorbidities  H031C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) with significant comorbidities  H032C Osteoporosis without significant comorbidities  H033C Osteoporosis with significant comorbidities  H034C Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	F037A	Peptic ulcer with significant comorbidities
F052A Other disease/disorder of the digestive system F053C Other disease of the esophagus (including esophagitis) F054C Diverticulitis F055A Benign neoplasm and other rectal/anal disorder F056A Minor gastrointestinal (GI) acute condition (including GI symptom, ill-defined infection) F057C Gastritis/duodenitis G001C Pancreatic disease without significant comorbidities G002C Pancreatic disease with significant comorbidities G003C Cirrhosis without significant comorbidities G004C Cirrhosis with significant comorbidities G004C Cirrhosis with significant comorbidities G030A Disease of the gallbladder/biliary tract without significant comorbidities G031A Disease of the gallbladder/biliary tract with significant comorbidities G032C Chronic liver disease (including hepatitis) H001A Musculoskeletal infection without significant comorbidities H002A Musculoskeletal infection with significant comorbidities H003A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) without significant comorbidities H004A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) with significant comorbidities H030C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) without significant comorbidities H031C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) with significant comorbidities H031C Osteoporosis without significant comorbidities H033C Osteoporosis without significant comorbidities H034C Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	F050A	Hernia
F053C Other disease of the esophagus (including esophagitis) F054C Diverticulitis F055A Benign neoplasm and other rectal/anal disorder F056A Minor gastrointestinal (GI) acute condition (including GI symptom, ill-defined infection) F057C Gastritis/duodenitis G001C Pancreatic disease without significant comorbidities G002C Pancreatic disease with significant comorbidities G003C Cirrhosis without significant comorbidities G004C Cirrhosis with significant comorbidities G030A Disease of the gallbladder/biliary tract without significant comorbidities G031A Disease of the gallbladder/biliary tract without significant comorbidities G032C Chronic liver disease (including hepatitis) H001A Musculoskeletal infection without significant comorbidities H002A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) without significant comorbidities H004A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) with significant comorbidities H030C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) without significant comorbidities H031C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) with significant comorbidities H032C Osteoporosis without significant comorbidities H033C Osteoporosis with significant comorbidities H034C Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	F051A	Gastroesophageal reflux disease
F055A Benign neoplasm and other rectal/anal disorder F056A Minor gastrointestinal (GI) acute condition (including GI symptom, ill-defined infection) F057C Gastritis/duodenitis G001C Pancreatic disease without significant comorbidities G002C Pancreatic disease with significant comorbidities G003C Cirrhosis without significant comorbidities G004C Cirrhosis with significant comorbidities G030A Disease of the gallbladder/biliary tract without significant comorbidities G031A Disease of the gallbladder/biliary tract without significant comorbidities G032C Chronic liver disease (including hepatitis) H001A Musculoskeletal infection without significant comorbidities H002A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) without significant comorbidities H004A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) with significant comorbidities H030C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) without significant comorbidities H031C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) with significant comorbidities H032C Osteoporosis without significant comorbidities H033C Osteoporosis with significant comorbidities H034C Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	F052A	Other disease/disorder of the digestive system
F055A Benign neoplasm and other rectal/anal disorder F056A Minor gastrointestinal (GI) acute condition (including GI symptom, ill-defined infection) F057C Gastritis/duodenitis G001C Pancreatic disease without significant comorbidities G002C Pancreatic disease with significant comorbidities G003C Cirrhosis without significant comorbidities G004C Cirrhosis with significant comorbidities G030A Disease of the gallbladder/biliary tract without significant comorbidities G031A Disease of the gallbladder/biliary tract with significant comorbidities G032C Chronic liver disease (including hepatitis) H001A Musculoskeletal infection without significant comorbidities H002A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) without significant comorbidities H004A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) with significant comorbidities H003C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) without significant comorbidities H031C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) with significant comorbidities H032C Osteoporosis without significant comorbidities H033C Osteoporosis with significant comorbidities Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	F053C	Other disease of the esophagus (including esophagitis)
F056A Minor gastrointestinal (GI) acute condition (including GI symptom, ill-defined infection) F057C Gastritis/duodenitis G001C Pancreatic disease without significant comorbidities G002C Pancreatic disease with significant comorbidities G003C Cirrhosis without significant comorbidities G004C Cirrhosis with significant comorbidities G030A Disease of the gallbladder/biliary tract without significant comorbidities G031A Disease of the gallbladder/biliary tract with significant comorbidities G032C Chronic liver disease (including hepatitis) H001A Musculoskeletal infection without significant comorbidities H002A Musculoskeletal infection with significant comorbidities H003A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) without significant comorbidities H004A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) with significant comorbidities H030C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) without significant comorbidities H031C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) with significant comorbidities H032C Osteoporosis without significant comorbidities H033C Osteoporosis with significant comorbidities Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	F054C	Diverticulitis
F057C Gastritis/duodenitis  G001C Pancreatic disease without significant comorbidities  G002C Pancreatic disease with significant comorbidities  G003C Cirrhosis without significant comorbidities  G004C Cirrhosis with significant comorbidities  G030A Disease of the gallbladder/biliary tract without significant comorbidities  G031A Disease of the gallbladder/biliary tract with significant comorbidities  G032C Chronic liver disease (including hepatitis)  H001A Musculoskeletal infection without significant comorbidities  H002A Musculoskeletal infection with significant comorbidities  H003A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) without significant comorbidities  H004A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) with significant comorbidities  H030C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) without significant comorbidities  H031C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) with significant comorbidities  H032C Osteoporosis without significant comorbidities  H033C Osteoporosis with significant comorbidities  H034C Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	F055A	Benign neoplasm and other rectal/anal disorder
G001C Pancreatic disease without significant comorbidities G002C Pancreatic disease with significant comorbidities G003C Cirrhosis without significant comorbidities G004C Cirrhosis with significant comorbidities G030A Disease of the gallbladder/biliary tract without significant comorbidities G031A Disease of the gallbladder/biliary tract with significant comorbidities G032C Chronic liver disease (including hepatitis) H001A Musculoskeletal infection without significant comorbidities H002A Musculoskeletal infection with significant comorbidities H003A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) without significant comorbidities H004A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) with significant comorbidities H003C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) without significant comorbidities H031C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) with significant comorbidities H032C Osteoporosis without significant comorbidities H033C Osteoporosis without significant comorbidities H034C Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	F056A	Minor gastrointestinal (GI) acute condition (including GI symptom, ill-defined infection)
G002C Pancreatic disease with significant comorbidities G003C Cirrhosis without significant comorbidities G004C Cirrhosis with significant comorbidities G030A Disease of the gallbladder/biliary tract without significant comorbidities G031A Disease of the gallbladder/biliary tract with significant comorbidities G032C Chronic liver disease (including hepatitis) H001A Musculoskeletal infection without significant comorbidities H002A Musculoskeletal infection with significant comorbidities H003A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) without significant comorbidities H004A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) with significant comorbidities H030C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) without significant comorbidities H031C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) with significant comorbidities H032C Osteoporosis without significant comorbidities H033C Osteoporosis with significant comorbidities H034C Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	F057C	Gastritis/duodenitis
G003C Cirrhosis without significant comorbidities G004C Cirrhosis with significant comorbidities G030A Disease of the gallbladder/biliary tract without significant comorbidities G031A Disease of the gallbladder/biliary tract with significant comorbidities G032C Chronic liver disease (including hepatitis) H001A Musculoskeletal infection without significant comorbidities H002A Musculoskeletal infection with significant comorbidities H003A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) without significant comorbidities H004A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) with significant comorbidities H030C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) without significant comorbidities H031C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) with significant comorbidities H032C Osteoporosis without significant comorbidities H033C Osteoporosis with significant comorbidities H034C Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	G001C	Pancreatic disease without significant comorbidities
G004C Cirrhosis with significant comorbidities G030A Disease of the gallbladder/biliary tract without significant comorbidities G031A Disease of the gallbladder/biliary tract with significant comorbidities G032C Chronic liver disease (including hepatitis) H001A Musculoskeletal infection without significant comorbidities H002A Musculoskeletal infection with significant comorbidities H003A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) without significant comorbidities H004A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) with significant comorbidities H030C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) without significant comorbidities H031C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) with significant comorbidities H032C Osteoporosis without significant comorbidities H033C Osteoporosis without significant comorbidities H034C Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	G002C	Pancreatic disease with significant comorbidities
G030A Disease of the gallbladder/biliary tract without significant comorbidities G031A Disease of the gallbladder/biliary tract with significant comorbidities G032C Chronic liver disease (including hepatitis) H001A Musculoskeletal infection without significant comorbidities H002A Musculoskeletal infection with significant comorbidities H003A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) without significant comorbidities H004A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) with significant comorbidities H030C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) without significant comorbidities H031C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) with significant comorbidities H032C Osteoporosis without significant comorbidities H033C Osteoporosis with significant comorbidities H034C Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	G003C	Cirrhosis without significant comorbidities
G031A Disease of the gallbladder/biliary tract with significant comorbidities  G032C Chronic liver disease (including hepatitis)  H001A Musculoskeletal infection without significant comorbidities  H002A Musculoskeletal infection with significant comorbidities  H003A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) without significant comorbidities  H004A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) with significant comorbidities  H030C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) without significant comorbidities  H031C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) with significant comorbidities  H032C Osteoporosis without significant comorbidities  H033C Osteoporosis with significant comorbidities  H034C Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	G004C	Cirrhosis with significant comorbidities
H001A Musculoskeletal infection without significant comorbidities H002A Musculoskeletal infection with significant comorbidities H003A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) without significant comorbidities H004A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) with significant comorbidities H030C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) without significant comorbidities H031C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) with significant comorbidities H032C Osteoporosis without significant comorbidities H033C Osteoporosis with significant comorbidities H034C Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	G030A	Disease of the gallbladder/biliary tract without significant comorbidities
H001A       Musculoskeletal infection without significant comorbidities         H002A       Musculoskeletal infection with significant comorbidities         H003A       Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) without significant comorbidities         H004A       Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) with significant comorbidities         H030C       Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) without significant comorbidities         H031C       Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) with significant comorbidities         H032C       Osteoporosis without significant comorbidities         H033C       Osteoporosis with significant comorbidities         H034C       Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	G031A	Disease of the gallbladder/biliary tract with significant comorbidities
H002A       Musculoskeletal infection with significant comorbidities         H003A       Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) without significant comorbidities         H004A       Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) with significant comorbidities         H030C       Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) without significant comorbidities         H031C       Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) with significant comorbidities         H032C       Osteoporosis without significant comorbidities         H033C       Osteoporosis with significant comorbidities         H034C       Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	G032C	Chronic liver disease (including hepatitis)
H003A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) without significant comorbidities  H004A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) with significant comorbidities  H030C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) without significant comorbidities  H031C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) with significant comorbidities  H032C Osteoporosis without significant comorbidities  H033C Osteoporosis with significant comorbidities  H034C Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	H001A	Musculoskeletal infection without significant comorbidities
without significant comorbidities  H004A Major acute musculoskeletal (including fracture of the femur/spine, limb amputation) with significant comorbidities  H030C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) without significant comorbidities  H031C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) with significant comorbidities  H032C Osteoporosis without significant comorbidities  H033C Osteoporosis with significant comorbidities  H034C Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	H002A	Musculoskeletal infection with significant comorbidities
with significant comorbidities  H030C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) without significant comorbidities  H031C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) with significant comorbidities  H032C Osteoporosis without significant comorbidities  H033C Osteoporosis with significant comorbidities  H034C Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	H003A	
without significant comorbidities  H031C Rheumatoid/osteoarthritis and other inflammatory arthropathy (excluding gout) with significant comorbidities  H032C Osteoporosis without significant comorbidities  H033C Osteoporosis with significant comorbidities  H034C Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	H004A	
with significant comorbidities  H032C Osteoporosis without significant comorbidities  H033C Osteoporosis with significant comorbidities  H034C Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	H030C	
H033C Osteoporosis with significant comorbidities  H034C Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	H031C	
H034C Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities	H032C	Osteoporosis without significant comorbidities
	H033C	Osteoporosis with significant comorbidities
H035C Systemic connective tissue disorder (including lupus scleroderma) with significant comorbidities	H034C	Systemic connective tissue disorder (including lupus, scleroderma) without significant comorbidities
2,555 me serios aces aces as (metaling rapus, selected mit digital control bidities	H035C	Systemic connective tissue disorder (including lupus, scleroderma) with significant comorbidities

H050A Other bone disease H051C Musculoskeletal malformation (excluding spine) H052C Vertebral/disc and other disease of the back H053A Other fracture/dislocation H054A Back pain H055A Crystal arthropathy (including gout) H055A Crystal arthropathy (including gout) H055A Myositis and soft tissue disorder (including muscle inflammation) H057A Joint/tendon disorder and injury (including pain/sprain, strain) H058A Neuromuscular sign/symptom 1001C Skin ulcer (including decubitus) without significant comorbidities 1050C Skin ulcer (including decubitus) with significant comorbidities 1050A Minor acute skin (including dermatitis, cellutitis) 1061C Cystic fibrosis 1061C Diabetes/hypoglycemia with peripheral vascular disease (PVD)/other chronic vascular diagnosis without significant comorbidities 1061C Diabetes/hypoglycemia with peripheral vascular disease (PVD)/other chronic vascular diagnosis without significant comorbidities 1061C Diabetes/hypoglycemia with chronic kidney disease/failure without significant comorbidities 1061C Diabetes/hypoglycemia with chronic kidney disease/failure with significant comorbidities 1061A Adrenal/electrolyte/metabolism disorder without significant comorbidities 1061A Adrenal/electrolyte/metabolism disorder without significant comorbidities 1061A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis without significant comorbidities 1061A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis without significant comorbidities 1061C Other disease of the endocrine system 1061C Other disease of the endocrine system 1061C Other disease of the endocrine system 1061C Other disease afailure (without diabetes mellitus/hypoglycemia) without significant comorbidities 1062C Malnutrition/vitamin deficiency 1063C Hypothyriodism 1064C Obesity 1065C Prostate disorder of metabolism 1064C Obesity 1065C Prostate disorder (stress) with significant comorbidities 1066C Prostate disorder	HPG code	Description
H052C Vertebral/disc and other disease of the back H053A Other fracture/dislocation H054A Back pain H055A Crystal arthropathy (including gout) H055A Crystal arthropathy (including gout) H056A Myositis and soft tissue disorder (including muscle inflammation) H057A Joint/tendon disorder and injury (including pain/sprain, strain) H058A Neuromuscular sign/symptom  1001C Skin ulcer (including decubitus) without significant comorbidities 1002C Skin ulcer (including decubitus) with significant comorbidities 1001C Cystic fibrosis 1001C Cystic fibrosis 1001C Cystic fibrosis 1001C Diabetes/hypoglycemia with peripheral vascular disease (PVD)/other chronic vascular diagnosis without significant comorbidities 1003C Diabetes/hypoglycemia with peripheral vascular disease (PVD)/other chronic vascular diagnosis with significant comorbidities 1003C Diabetes/hypoglycemia with chronic kidney disease/failure without significant comorbidities 1003C Diabetes/hypoglycemia with chronic kidney disease/failure without significant comorbidities 1003C Diabetes/hypoglycemia with chronic kidney disease/failure with significant comorbidities 1031A Adrenal/electrolyte/metabolism disorder without significant comorbidities 1032A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis without significant comorbidities 1033A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis with significant comorbidities 1050C Other disease of the endocrine system 1051C Other disorder of metabolism 1052C Malnutrition/vitamin deficiency 1053C Hyperbnyrolism 1055C Hyperbnicsterolemia/other dyslipidemia 1054C Obesity 1055C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) without significant comorbidities 1031C Urinary incontinence (stress) without significant comorbidities 1031C Urinary incontinence (stress) without significant comorbidities 1033A Acute/other kidney disease/failure without significant comorbidities	H050A	
H053A Other fracture/dislocation H054A Back pain H055A Crystal arthropathy (including gout) H056A Myositis and soft tissue disorder (including muscle inflammation) H057A Joint/tendon disorder and injury (including pain/sprain, strain) H058A Neuromuscular sign/symptom H058A Nind acute skin (including dermatitis, cellulitis) H058A Minor acute skin (including dermatitis, cellulitis) H058A Diabetes/hypoglycemia with peripheral vascular disease (PVD)/other chronic vascular diagnosis without significant comorbidities H058A Diabetes/hypoglycemia with peripheral vascular disease (PVD)/other chronic vascular diagnosis with significant comorbidities H058A Adrenal/electrolyte/metabolism disorder without significant comorbidities H058A Diabetes/hypoglycemia without chronic kidney disease/failure with significant comorbidities H058A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis with significant comorbidities H058A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis with significant comorbidities H059A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis with significant comorbidities H059C Other disease of the endocrine system H059C Ot	H051C	Musculoskeletal malformation (excluding spine)
H055A Back pain H055A Crystal arthropathy (including gout) H056A Myositis and soft tissue disorder (including muscle inflammation) H057A Joint/lendon disorder and injury (including pain/sprain, strain) H058A Neuromuscular sign/symptom H050C Skin ulcer (including decubitus) without significant comorbidities H050A Minor acute skin (including dermatitis, cellulitis) J001C Cystic fibrosis J002C Diabetes/hypoglycemia with peripheral vascular disease (PVD)/other chronic vascular diagnosis without significant comorbidities J003C Diabetes/hypoglycemia with peripheral vascular disease (PVD)/other chronic vascular diagnosis without significant comorbidities J003C Diabetes/hypoglycemia with peripheral vascular disease (PVD)/other chronic vascular diagnosis with significant comorbidities J003C Diabetes/hypoglycemia with chronic kidney disease/failure without significant comorbidities J004C Diabetes/hypoglycemia with chronic kidney disease/failure without significant comorbidities J005C Diabetes/hypoglycemia with chronic kidney disease/failure with significant comorbidities J030A Adrenal/electrolyte/metabolism disorder without significant comorbidities J031A Adrenal/electrolyte/metabolism disorder without significant comorbidities J032A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis without significant comorbidities J033A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis with significant comorbidities J050C Other disease of the endocrine system J051C Other disease of the endocrine system J051C Other disease of the endocrine system J051C Other disease of the endocrine system J052C Malnutrition/vitamin deficiency J053C Hypercholesterolemia/other dyslipidemia K001C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) without significant comorbidities K031C Urinary incontinence (stress) without significant comorbidities K031A Acute/other kidney disease/failure without significant	H052C	Vertebral/disc and other disease of the back
H055A Crystal arthropathy (including gout) H056A Myositis and soft tissue disorder (including muscle inflammation) H057A Joint/tendon disorder and injury (including pain/sprain, strain) H058A Neuromuscular sign/symptom 1001C Skin ulcer (including decubitus) without significant comorbidities 1002C Skin ulcer (including decubitus) with significant comorbidities 1050A Minor acute skin (including dermatitis, cellulitis) 1001C Cystic fibrosis 1002C Diabetes/hypoglycemia with peripheral vascular disease (PVD)/other chronic vascular diagnosis without significant comorbidities 1003C Diabetes/hypoglycemia with peripheral vascular disease (PVD)/other chronic vascular diagnosis with significant comorbidities 1004C Diabetes/hypoglycemia with chronic kidney disease/failure without significant comorbidities 1005C Diabetes/hypoglycemia with chronic kidney disease/failure without significant comorbidities 1030A Adrenal/electrolyte/metabolism disorder without significant comorbidities 1031A Adrenal/electrolyte/metabolism disorder with significant comorbidities 1031A Adrenal/electrolyte/metabolism disorder with significant comorbidities 1031A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis without significant comorbidities 1033A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis with significant comorbidities 1050C Other disease of the endocrine system 1051C Other disease of the endocrine system 1051C Other disease of the endocrine system 1052C Malnutrition/vitamin deficiency 1053C Hypothyroidism 1054C Obesity 1055C Hypercholesterolemia/other dyslipidemia 1054C Obesity 1055C Urinary incontinence (stress) without diabetes mellitus/hypoglycemia) without significant comorbidities 1030A Acute/other kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities 1033A Acute/other kidney disease/failure without significant comorbidities	H053A	Other fracture/dislocation
H056A Myositis and soft tissue disorder (including muscle inflammation) H057A Joint/tendon disorder and injury (including pain/sprain, strain) H058A Neuromuscular sign/symptom  1001C Skin ulcer (including decubitus) without significant comorbidities 1002C Skin ulcer (including decubitus) with significant comorbidities 1050A Minor acute skin (including dermatitis, cellulitis) 1001C Cystic fibrosis 1002C Diabetes/hypoglycemia with peripheral vascular disease (PVD)/other chronic vascular diagnosis without significant comorbidities 1003C Diabetes/hypoglycemia with peripheral vascular disease (PVD)/other chronic vascular diagnosis without significant comorbidities 1003C Diabetes/hypoglycemia with chronic kidney disease/failure without significant comorbidities 1004C Diabetes/hypoglycemia with chronic kidney disease/failure without significant comorbidities 1005C Diabetes/hypoglycemia with chronic kidney disease/failure without significant comorbidities 1030A Adrenal/electrolyte/metabolism disorder without significant comorbidities 1031A Adrenal/electrolyte/metabolism disorder with significant comorbidities 1032A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis without significant comorbidities 1033A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis with significant comorbidities 1050C Other disease of the endocrine system 1051C Other disorder of metabolism 1052C Malnutrition/vitamin deficiency 1053C Hypothyroidism 1054C Obesity 1055C Hypercholesterolemia/other dyslipidemia 1054C Obesity 1055C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities 1030C Urinary incontinence (stress) without significant comorbidities 1032A Acute/other kidney disease/failure without significant comorbidities 1033A Acute/other kidney disease/failure without significant comorbidities	H054A	Back pain
H057A Joint/tendon disorder and injury (including pain/sprain, strain) H058A Neuromuscular sign/symptom  1001C Skin ulcer (including decubitus) without significant comorbidities 1002C Skin ulcer (including decubitus) with significant comorbidities 1050A Minor acute skin (including dermatitis, cellulitis) 1001C Cystic fibrosis 1002C Diabetes/hypoglycemia with peripheral vascular disease (PVD)/other chronic vascular diagnosis without significant comorbidities 1003C Diabetes/hypoglycemia with peripheral vascular disease (PVD)/other chronic vascular diagnosis without significant comorbidities 1003C Diabetes/hypoglycemia with chronic kidney disease/failure without significant comorbidities 1004C Diabetes/hypoglycemia with chronic kidney disease/failure without significant comorbidities 1005C Diabetes/hypoglycemia with chronic kidney disease/failure with significant comorbidities 1030A Adrenal/electrolyte/metabolism disorder without significant comorbidities 1031A Adrenal/electrolyte/metabolism disorder with significant comorbidities 1032A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis without significant comorbidities 1033A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis with significant comorbidities 1050C Other disease of the endocrine system 1051C Other disease of the endocrine system 1052C Malnutrition/vitamin deficiency 1053C Hypothyroidism 1054C Obesity 1055C Hypothyroidism 1054C Obesity 1055C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) without significant comorbidities 1030C Urinary incontinence (stress) without significant comorbidities 1030A Acute/other kidney disease/failure without significant comorbidities 1030A Acute/other kidney disease/failure without significant comorbidities	H055A	Crystal arthropathy (including gout)
H058A Neuromuscular sign/symptom  1001C Skin ulcer (including decubitus) without significant comorbidities  1002C Skin ulcer (including decubitus) with significant comorbidities  1050A Minor acute skin (including dermatitis, cellulitis)  1001C Cystic fibrosis  1002C Diabetes/hypoglycemia with peripheral vascular disease (PVD)/other chronic vascular diagnosis without significant comorbidities  1003C Diabetes/hypoglycemia with peripheral vascular disease (PVD)/other chronic vascular diagnosis with significant comorbidities  1003C Diabetes/hypoglycemia with peripheral vascular disease (PVD)/other chronic vascular diagnosis with significant comorbidities  1004C Diabetes/hypoglycemia with chronic kidney disease/failure without significant comorbidities  1005C Diabetes/hypoglycemia with chronic kidney disease/failure with significant comorbidities  1030A Adrenal/electrolyte/metabolism disorder without significant comorbidities  1031A Adrenal/electrolyte/metabolism disorder with significant comorbidities  1032A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis with significant comorbidities  1033A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis with significant comorbidities  1050C Other disease of the endocrine system  1051C Other disorder of metabolism  1052C Malnutrition/vitamin deficiency  1053C Hypercholesterolemia/other dyslipidemia  K001C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) without significant comorbidities  K002C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities  K03C Urinary incontinence (stress) without significant comorbidities  K03C Urinary incontinence (stress) with significant comorbidities  K03CA Acute/other kidney disease/failure without significant comorbidities	H056A	Myositis and soft tissue disorder (including muscle inflammation)
Skin ulcer (including decubitus) without significant comorbidities     Skin ulcer (including decubitus) with significant comorbidities     Subsetes/hypoglycemia with peripheral vascular disease (PVD)/other chronic vascular diagnosis without significant comorbidities     Subsetes/hypoglycemia with peripheral vascular disease (PVD)/other chronic vascular diagnosis with significant comorbidities     Subsetes/hypoglycemia with chronic kidney disease/failure without significant comorbidities     Subsetes/hypoglycemia with chronic kidney disease/failure with significant comorbidities     Subsetes/hypoglycemia with chronic kidney disease/failure with significant comorbidities     Subsetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis with significant comorbidities     Subsetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis with significant comorbidities     Subsetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis with significant comorbidities     Subsetes/hypoglycemia without significant comorbidities     Subsetes/hypoglycemia without diabetes mellitus/hypoglycemia) without significant comorbidities     Subsetes/hypoglycemia/other dyslipidemia     Subsetes/hy	H057A	Joint/tendon disorder and injury (including pain/sprain, strain)
I002C Skin ulcer (including decubitus) with significant comorbidities I050A Minor acute skin (including dermatitis, cellulitis) J001C Cystic fibrosis J002C Diabetes/hypoglycemia with peripheral vascular disease (PVD)/other chronic vascular diagnosis without significant comorbidities J003C Diabetes/hypoglycemia with peripheral vascular disease (PVD)/other chronic vascular diagnosis without significant comorbidities J004C Diabetes/hypoglycemia with chronic kidney disease/failure without significant comorbidities J005C Diabetes/hypoglycemia with chronic kidney disease/failure with significant comorbidities J030A Adrenal/electrolyte/metabolism disorder without significant comorbidities J031A Adrenal/electrolyte/metabolism disorder without significant comorbidities J032A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis with significant comorbidities J033A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis with significant comorbidities J050C Other disease of the endocrine system J051C Other disease of the endocrine system J051C Other disorder of metabolism J052C Malnutrition/vitamin deficiency J053C Hypothyroidism J054C Obesity J055C Hypercholesterolemia/other dyslipidemia K001C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) without significant comorbidities K002C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities K03C Urinary incontinence (stress) without significant comorbidities K03CA Acute/other kidney disease/failure without significant comorbidities K03A Acute/other kidney disease/failure without significant comorbidities	H058A	Neuromuscular sign/symptom
Minor acute skin (including dermatitis, cellulitis)  J001C Cystic fibrosis  J002C Diabetes/hypoglycemia with peripheral vascular disease (PVD)/other chronic vascular diagnosis without significant comorbidities  J003C Diabetes/hypoglycemia with peripheral vascular disease (PVD)/other chronic vascular diagnosis with significant comorbidities  J004C Diabetes/hypoglycemia with chronic kidney disease/failure without significant comorbidities  J005C Diabetes/hypoglycemia with chronic kidney disease/failure with significant comorbidities  J030A Adrenal/electrolyte/metabolism disorder without significant comorbidities  J031A Adrenal/electrolyte/metabolism disorder with significant comorbidities  J032A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis with significant comorbidities  J033A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis with significant comorbidities  J050C Other disease of the endocrine system  J051C Other disorder of metabolism  Malnutrition/vitamin deficiency  J053C Hypothyroidism  J054C Obesity  J055C Hypercholesterolemia/other dyslipidemia  K001C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) without significant comorbidities  K002C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities  K031C Urinary incontinence (stress) without significant comorbidities  K032A Acute/other kidney disease/failure without significant comorbidities  K033A Acute/other kidney disease/failure without significant comorbidities	1001C	Skin ulcer (including decubitus) without significant comorbidities
J001C Cystic fibrosis  J002C Diabetes/hypoglycemia with peripheral vascular disease (PVD)/other chronic vascular diagnosis without significant comorbidities  J003C Diabetes/hypoglycemia with peripheral vascular disease (PVD)/other chronic vascular diagnosis with significant comorbidities  J004C Diabetes/hypoglycemia with chronic kidney disease/failure without significant comorbidities  J005C Diabetes/hypoglycemia with chronic kidney disease/failure with significant comorbidities  J030A Adrenal/electrolyte/metabolism disorder without significant comorbidities  J031A Adrenal/electrolyte/metabolism disorder with significant comorbidities  J032A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis without significant comorbidities  J033A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis with significant comorbidities  J050C Other disease of the endocrine system  J051C Other disorder of metabolism  J052C Malnutrition/vitamin deficiency  J053C Hypothyroidism  J054C Obesity  J055C Hypercholesterolemia/other dyslipidemia  K001C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) without significant comorbidities  K002C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities  K030C Urinary incontinence (stress) without significant comorbidities  K031C Urinary incontinence (stress) with significant comorbidities  K032A Acute/other kidney disease/failure without significant comorbidities	1002C	Skin ulcer (including decubitus) with significant comorbidities
Diabetes/hypoglycemia with peripheral vascular disease (PVD)/other chronic vascular diagnosis without significant comorbidities  Diabetes/hypoglycemia with peripheral vascular disease (PVD)/other chronic vascular diagnosis with significant comorbidities  J004C Diabetes/hypoglycemia with chronic kidney disease/failure without significant comorbidities  J005C Diabetes/hypoglycemia with chronic kidney disease/failure with significant comorbidities  J030A Adrenal/electrolyte/metabolism disorder without significant comorbidities  J031A Adrenal/electrolyte/metabolism disorder with significant comorbidities  J032A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis without significant comorbidities  J033A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis with significant comorbidities  J050C Other disease of the endocrine system  J051C Other disease of the endocrine system  J051C Other disorder of metabolism  J052C Malnutrition/vitamin deficiency  J053C Hypothyroidism  J054C Obesity  J055C Hypercholesterolemia/other dyslipidemia  K001C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities  K002C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities  K030C Urinary incontinence (stress) without significant comorbidities  K031C Urinary incontinence (stress) with significant comorbidities  K032A Acute/other kidney disease/failure without significant comorbidities	1050A	Minor acute skin (including dermatitis, cellulitis)
without significant comorbidities  Diabetes/hypoglycemia with peripheral vascular disease (PVD)/other chronic vascular diagnosis with significant comorbidities  Diabetes/hypoglycemia with chronic kidney disease/failure without significant comorbidities  Diabetes/hypoglycemia with chronic kidney disease/failure with significant comorbidities  Diabetes/hypoglycemia with chronic kidney disease/failure with significant comorbidities  Josan Adrenal/electrolyte/metabolism disorder without significant comorbidities  Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis without significant comorbidities  Josacular diagnosis with significant comorbidities  Josacular diagnosis with significant comorbidities  Josoc Other disease of the endocrine system  Jost Other disorder of metabolism  Josac Hypothyroidism  Josac Hypothyroidism  Josac Obesity  Hypercholesterolemia/other dyslipidemia  K001C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities  K002C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities  K031C Urinary incontinence (stress) without significant comorbidities  K032A Acute/other kidney disease/failure without significant comorbidities  K033A Acute/other kidney disease/failure with significant comorbidities	J001C	Cystic fibrosis
with significant comorbidities  J004C Diabetes/hypoglycemia with chronic kidney disease/failure without significant comorbidities  J005C Diabetes/hypoglycemia with chronic kidney disease/failure with significant comorbidities  J030A Adrenal/electrolyte/metabolism disorder without significant comorbidities  J031A Adrenal/electrolyte/metabolism disorder with significant comorbidities  J032A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis without significant comorbidities  J033A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis with significant comorbidities  J050C Other disease of the endocrine system  J051C Other disorder of metabolism  J052C Malnutrition/vitamin deficiency  J053C Hypothyroidism  J054C Obesity  J055C Hypercholesterolemia/other dyslipidemia  Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) without significant comorbidities  K002C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities  K031C Urinary incontinence (stress) with significant comorbidities  K032A Acute/other kidney disease/failure without significant comorbidities  K033A Acute/other kidney disease/failure with significant comorbidities	J002C	
Diabetes/hypoglycemia with chronic kidney disease/failure with significant comorbidities  Josophy Adrenal/electrolyte/metabolism disorder without significant comorbidities  Josophy Adrenal/electrolyte/metabolism disorder without significant comorbidities  Josophy Adrenal/electrolyte/metabolism disorder with significant comorbidities  Josophy Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis without significant comorbidities  Josophy Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis with significant comorbidities  Josophy Other disease of the endocrine system  Josophy Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis with significant comorbidities  Malnutrition/vitamin deficiency  Josophy Diabetes/hypoglycemia/bitantering disease/failure (without diabetes mellitus/hypoglycemia) without significant comorbidities  Koolc Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities  Koolc Urinary incontinence (stress) without significant comorbidities  Koolc Urinary incontinence (stress) with significant comorbidities  Koolc Urinary incontinence (stress) with significant comorbidities  Koolc Acute/other kidney disease/failure without significant comorbidities  Koolc Acute/other kidney disease/failure without significant comorbidities	J003C	
Adrenal/electrolyte/metabolism disorder without significant comorbidities  J031A Adrenal/electrolyte/metabolism disorder with significant comorbidities  J032A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis without significant comorbidities  J033A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis with significant comorbidities  J050C Other disease of the endocrine system  J051C Other disorder of metabolism  J052C Malnutrition/vitamin deficiency  J053C Hypothyroidism  J054C Obesity  J055C Hypercholesterolemia/other dyslipidemia  K001C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) without significant comorbidities  K002C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities  K031C Urinary incontinence (stress) with significant comorbidities  K032A Acute/other kidney disease/failure without significant comorbidities  K033A Acute/other kidney disease/failure with significant comorbidities	J004C	Diabetes/hypoglycemia with chronic kidney disease/failure without significant comorbidities
J031A Adrenal/electrolyte/metabolism disorder with significant comorbidities  J032A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis without significant comorbidities  J033A Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis with significant comorbidities  J050C Other disease of the endocrine system  J051C Other disorder of metabolism  J052C Malnutrition/vitamin deficiency  J053C Hypothyroidism  J054C Obesity  J055C Hypercholesterolemia/other dyslipidemia  K001C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) without significant comorbidities  K002C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities  K030C Urinary incontinence (stress) without significant comorbidities  K031C Urinary incontinence (stress) with significant comorbidities  K032A Acute/other kidney disease/failure without significant comorbidities  K033A Acute/other kidney disease/failure with significant comorbidities	J005C	Diabetes/hypoglycemia with chronic kidney disease/failure with significant comorbidities
Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis without significant comorbidities  Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis with significant comorbidities  Other disease of the endocrine system  Other disorder of metabolism  J051C Other disorder of metabolism  J052C Malnutrition/vitamin deficiency  J053C Hypothyroidism  J054C Obesity  J055C Hypercholesterolemia/other dyslipidemia  K001C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) without significant comorbidities  K002C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities  K030C Urinary incontinence (stress) without significant comorbidities  K031C Urinary incontinence (stress) with significant comorbidities  K032A Acute/other kidney disease/failure without significant comorbidities  K033A Acute/other kidney disease/failure without significant comorbidities	J030A	Adrenal/electrolyte/metabolism disorder without significant comorbidities
vascular diagnosis without significant comorbidities  Diabetes/hypoglycemia without chronic kidney disease/peripheral vascular disease (PVD)/chronic vascular diagnosis with significant comorbidities  J050C Other disease of the endocrine system  J051C Other disorder of metabolism  J052C Malnutrition/vitamin deficiency  J053C Hypothyroidism  J054C Obesity  J055C Hypercholesterolemia/other dyslipidemia  K001C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) without significant comorbidities  K002C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities  K030C Urinary incontinence (stress) without significant comorbidities  K031C Urinary incontinence (stress) with significant comorbidities  K032A Acute/other kidney disease/failure without significant comorbidities  K033A Acute/other kidney disease/failure with significant comorbidities	J031A	Adrenal/electrolyte/metabolism disorder with significant comorbidities
vascular diagnosis with significant comorbidities  J050C Other disease of the endocrine system  J051C Other disorder of metabolism  J052C Malnutrition/vitamin deficiency  J053C Hypothyroidism  J054C Obesity  J055C Hypercholesterolemia/other dyslipidemia  K001C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) without significant comorbidities  K002C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities  K030C Urinary incontinence (stress) without significant comorbidities  K031C Urinary incontinence (stress) with significant comorbidities  K032A Acute/other kidney disease/failure without significant comorbidities  K033A Acute/other kidney disease/failure with significant comorbidities	J032A	
J051C Other disorder of metabolism  J052C Malnutrition/vitamin deficiency  J053C Hypothyroidism  J054C Obesity  J055C Hypercholesterolemia/other dyslipidemia  K001C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) without significant comorbidities  K002C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities  K030C Urinary incontinence (stress) without significant comorbidities  K031C Urinary incontinence (stress) with significant comorbidities  K032A Acute/other kidney disease/failure without significant comorbidities  K033A Acute/other kidney disease/failure with significant comorbidities	J033A	
J053C Hypothyroidism  J054C Obesity  J055C Hypercholesterolemia/other dyslipidemia  K001C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) without significant comorbidities  K002C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities  K030C Urinary incontinence (stress) without significant comorbidities  K031C Urinary incontinence (stress) with significant comorbidities  K032A Acute/other kidney disease/failure without significant comorbidities  K033A Acute/other kidney disease/failure with significant comorbidities	J050C	Other disease of the endocrine system
J053C Hypothyroidism  J054C Obesity  J055C Hypercholesterolemia/other dyslipidemia  K001C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) without significant comorbidities  K002C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities  K030C Urinary incontinence (stress) without significant comorbidities  K031C Urinary incontinence (stress) with significant comorbidities  K032A Acute/other kidney disease/failure without significant comorbidities  K033A Acute/other kidney disease/failure with significant comorbidities	J051C	Other disorder of metabolism
J055C Hypercholesterolemia/other dyslipidemia  K001C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) without significant comorbidities  K002C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities  K030C Urinary incontinence (stress) without significant comorbidities  K031C Urinary incontinence (stress) with significant comorbidities  K032A Acute/other kidney disease/failure without significant comorbidities  K033A Acute/other kidney disease/failure with significant comorbidities	J052C	Malnutrition/vitamin deficiency
Hypercholesterolemia/other dyslipidemia  K001C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) without significant comorbidities  K002C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities  K030C Urinary incontinence (stress) without significant comorbidities  K031C Urinary incontinence (stress) with significant comorbidities  K032A Acute/other kidney disease/failure without significant comorbidities  K033A Acute/other kidney disease/failure with significant comorbidities	J053C	Hypothyroidism
Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) without significant comorbidities  Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities  Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities  Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities  Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities  Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities  Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities  Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities  Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities  Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities  Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities	J054C	Obesity
significant comorbidities  K002C Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities  K030C Urinary incontinence (stress) without significant comorbidities  K031C Urinary incontinence (stress) with significant comorbidities  K032A Acute/other kidney disease/failure without significant comorbidities  K033A Acute/other kidney disease/failure with significant comorbidities	J055C	Hypercholesterolemia/other dyslipidemia
K030C Urinary incontinence (stress) without significant comorbidities  K031C Urinary incontinence (stress) with significant comorbidities  K032A Acute/other kidney disease/failure without significant comorbidities  K033A Acute/other kidney disease/failure with significant comorbidities	K001C	
K031C Urinary incontinence (stress) with significant comorbidities  K032A Acute/other kidney disease/failure without significant comorbidities  K033A Acute/other kidney disease/failure with significant comorbidities	K002C	Chronic kidney disease/failure (without diabetes mellitus/hypoglycemia) with significant comorbidities
K032A Acute/other kidney disease/failure without significant comorbidities  K033A Acute/other kidney disease/failure with significant comorbidities	К030С	Urinary incontinence (stress) without significant comorbidities
K033A Acute/other kidney disease/failure with significant comorbidities	K031C	Urinary incontinence (stress) with significant comorbidities
	K032A	Acute/other kidney disease/failure without significant comorbidities
K050C Prostate disorder	K033A	Acute/other kidney disease/failure with significant comorbidities
	K050C	Prostate disorder

K051A Minor acute urinary condition (including urinary tract infection, cystitis) K052C Other disease of the male reproductive system K053C Other disease/disorder of the bladder/urethra L030C Endometriosis/pelvic inflammatory disease with significant comorbidities L031C Endometriosis/pelvic inflammatory disease with significant comorbidities L032C Female infertility with significant comorbidities L032C Female infertility with significant comorbidities L033C Female infertility with significant comorbidities L034C Other uterine/fallopian/ovarian condition (including prolapse, fistula) L050C Menstruation disorder (including menopause) L051A Congenital/other female reproductive condition M030 Obstetrics with significant comorbidities M051A Congenital/other female reproductive condition M030 Obstetrics with significant comorbidities M051A Unsuccessful/ectopic pregnancy Extremely low birth weight or immaturity without significant comorbidities N001 Extremely low birth weight or immaturity without significant comorbidities N002 Extremely low birth weight or immaturity with significant comorbidities N003 Serious perinatal condition without significant comorbidities N004 Serious perinatal condition without significant comorbidities N005 Newborn/neonate with other complicating diagnosis N006 Newborn/neonate with other complicating diagnosis N007 Healthy newborn O001A Disease of the white blood cells (including neutropenia) with significant comorbidities O030C Major chronic blood disorder (including coagulation disorders, anemia) with significant comorbidities O031C Major chronic blood disorder (including coagulation disorders, anemia) with significant comorbidities O031C Major chronic blood disorder (including coagulation disorders, anemia) with significant comorbidities O031C Major chronic blood disorder (including peutropenia) with significant comorbidities O031C Major chronic blood disorder (will will peutropenia) with significant comorbidities O031C Human immunodeficiency virus (HIV) infection without significant com	HPG code	Description
Nosac	K051A	Minor acute urinary condition (including urinary tract infection, cystitis)
Endometriosis/pelvic inflammatory disease without significant comorbidities	K052C	Other disease of the male reproductive system
L031C Endometriosis/pelvic inflammatory disease with significant comorbidities  L032C Female infertility with significant comorbidities  Female infertility with significant comorbidities  Congenital infertility with significant comorbidities  L034C Other uterine/fallopian/ovarian condition (including prolapse, fistula)  L050C Menstruation disorder (including menopause)  L051A Congenital/other female reproductive condition  M030 Obstetrics without significant comorbidities  M031 Obstetrics with significant comorbidities  M032 Unsuccessful/ectopic pregnancy  N001 Extremely low birth weight or immaturity without significant comorbidities  N002 Extremely low birth weight or immaturity with significant comorbidities  N003 Serious perinatal condition with significant comorbidities  N004 Serious perinatal condition with significant comorbidities  N005 Newborn/neonate with other complicating diagnosis  N070 Healthy newborn  O001A Disease of the white blood cells (including neutropenia) without significant comorbidities  O030C Major chronic blood disorder (including neutropenia) with significant comorbidities  O031C Major chronic blood disorder (including coagulation disorders, anemia) without significant comorbidities  O031C Major chronic blood disorder (including coagulation disorders, anemia) with significant comorbidities  O050C Other disease of blood/blood-forming organs  O051A Lymphatic system disorder (excluding spleen)  P001A Sepsis without significant comorbidities  P030C Human immunodeficiency virus (HIV) infection with significant comorbidities  P031C Human immunodeficiency virus (HIV) infection with significant comorbidities  P031A Influenza  P052A Sexually transmitted infection  O0614 Mental disorder resulting from brain injury or other illness without significant comorbidities  M0602 Mental disorder resulting from brain injury or other illness with significant comorbidities	K053C	Other disease/disorder of the bladder/urethra
L032C Female infertility without significant comorbidities  L034C Other uterine/fallopian/ovarian condition (including prolapse, fistula)  L050C Menstruation disorder (including menopause)  L051A Congenital/other female reproductive condition  M030 Obstetrics without significant comorbidities  M051A Obstetrics with significant comorbidities  M050A Unsuccessful/ectopic pregnancy  N001 Extremely low birth weight or immaturity without significant comorbidities  N002 Extremely low birth weight or immaturity with significant comorbidities  N003 Serious perinatal condition without significant comorbidities  N004 Serious perinatal condition with significant comorbidities  N005 Newborn/neonate with other complicating diagnosis  N006 Newborn/neonate with other complicating diagnosis  N070 Healthy newborn  O001A Disease of the white blood cells (including neutropenia) without significant comorbidities  O002A Disease of the white blood cells (including neutropenia) with significant comorbidities  O030C Major chronic blood disorder (including coagulation disorders, anemia) without significant comorbidities  O031C Major chronic blood disorder (including coagulation disorders, anemia) with significant comorbidities  O050C Other disease of blood/blood-forming organs  O051A Lymphatic system disorder (excluding spleen)  P001A Sepsis without significant comorbidities  P002A Sepsis with significant comorbidities  P003C Human immunodeficiency virus (HIV) infection without significant comorbidities  P031C Human immunodeficiency virus (HIV) infection without significant comorbidities  P051A Influenza  Sexually transmitted infection  P051A Other bacterial infection  Wental disorder resulting from brain injury or other illness without significant comorbidities  Q001 Mental disorder resulting from brain injury or other illness with significant comorbidities	L030C	Endometriosis/pelvic inflammatory disease without significant comorbidities
L034C Female infertility with significant comorbidities  L034C Other uterine/fallopian/ovarian condition (including prolapse, fistula)  L050C Menstruation disorder (including menopause)  L051A Congenital/other female reproductive condition  M030 Obstetrics without significant comorbidities  M031 Obstetrics with significant comorbidities  M050A Unsuccessful/ectopic pregnancy  N001 Extremely low birth weight or immaturity without significant comorbidities  N002 Extremely low birth weight or immaturity with significant comorbidities  N003 Serious perinatal condition without significant comorbidities  N004 Serious perinatal condition without significant comorbidities  N005 Newborn/neonate with other complicating diagnosis  N070 Healthy newborn  O001A Disease of the white blood cells (including neutropenia) without significant comorbidities  O030C Major chronic blood disorder (including coagulation disorders, anemia) without significant comorbidities  O031C Major chronic blood disorder (including coagulation disorders, anemia) with significant comorbidities  O050C Other disease of blood/blood-forming organs  O051A Lymphatic system disorder (excluding spleen)  P001A Sepsis with significant comorbidities  P002A Sepsis with significant comorbidities  P003C Human immunodeficiency virus (HIV) infection without significant comorbidities  P050A Other bacterial infection  P051A Influenza  P052A Sexually transmitted infection (excluding HIV)  P053A Other/unspecified infection  Mental disorder resulting from brain injury or other illness without significant comorbidities  Q001 Mental disorder resulting from brain injury or other illness with significant comorbidities	L031C	Endometriosis/pelvic inflammatory disease with significant comorbidities
L034C Other uterine/fallopian/ovarian condition (including prolapse, fistula)  L050C Menstruation disorder (including menopause)  L051A Congenital/other female reproductive condition  M030 Obstetrics without significant comorbidities  M031 Obstetrics with significant comorbidities  M050A Unsuccessful/ectopic pregnancy  N001 Extremely low birth weight or immaturity without significant comorbidities  N002 Extremely low birth weight or immaturity with significant comorbidities  N003 Serious perinatal condition without significant comorbidities  N004 Serious perinatal condition without significant comorbidities  N005 Newborn/neonate with other complicating diagnosis  N070 Healthy newborn  O001A Disease of the white blood cells (including neutropenia) without significant comorbidities  O030C Major chronic blood disorder (including coagulation disorders, anemia) without significant comorbidities  O031C Major chronic blood disorder (including coagulation disorders, anemia) with significant comorbidities  O050C Other disease of blood/blood-forming organs  O051A Lymphatic system disorder (excluding spleen)  P001A Sepsis without significant comorbidities  P030C Human immunodeficiency virus (HIV) infection without significant comorbidities  P050A Other bacterial infection  P051A Influenza  P052A Sexually transmitted infection (excluding HIV)  P053A Other/unspecified infection  P054 Other viral infection  Mental disorder resulting from brain injury or other illness without significant comorbidities  Q001 Mental disorder resulting from brain injury or other illness with significant comorbidities	L032C	Female infertility without significant comorbidities
L050C Menstruation disorder (including menopause)  L051A Congenital/other female reproductive condition  M030 Obstetrics without significant comorbidities  M031 Obstetrics with significant comorbidities  M050A Unsuccessful/ectopic pregnancy  N001 Extremely low birth weight or immaturity without significant comorbidities  N002 Extremely low birth weight or immaturity with significant comorbidities  N003 Serious perinatal condition without significant comorbidities  N004 Serious perinatal condition with significant comorbidities  N005 Newborn/neonate with other complicating diagnosis  N006 Newborn/neonate with other complicating diagnosis  N070 Healthy newborn  O001A Disease of the white blood cells (including neutropenia) without significant comorbidities  O002A Disease of the white blood cells (including neutropenia) with significant comorbidities  O030C Major chronic blood disorder (including coagulation disorders, anemia) without significant comorbidities  O031C Major chronic blood disorder (including coagulation disorders, anemia) with significant comorbidities  O050C Other disease of blood/blood-forming organs  O051A Lymphatic system disorder (excluding spleen)  P001A Sepsis without significant comorbidities  P002C Sepsis with significant comorbidities  P003C Human immunodeficiency virus (HIV) infection without significant comorbidities  P031C Human immunodeficiency virus (HIV) infection with significant comorbidities  P051A Influenza  P052A Sexually transmitted infection  P054 Other viral infection  O060 Mental disorder resulting from brain injury or other illness without significant comorbidities  Q001 Mental disorder resulting from brain injury or other illness without significant comorbidities	L033C	Female infertility with significant comorbidities
L051A Congenital/other female reproductive condition  M030 Obstetrics without significant comorbidities  M031 Obstetrics with significant comorbidities  M050A Unsuccessful/ectopic pregnancy  N001 Extremely low birth weight or immaturity without significant comorbidities  N002 Extremely low birth weight or immaturity with significant comorbidities  N003 Serious perinatal condition without significant comorbidities  N004 Serious perinatal condition with significant comorbidities  N005 Newborn/neonate with other complicating diagnosis  N070 Healthy newborn  N001A Disease of the white blood cells (including neutropenia) without significant comorbidities  N002A Disease of the white blood cells (including neutropenia) with significant comorbidities  N030C Major chronic blood disorder (including coagulation disorders, anemia) without significant comorbidities  N031C Major chronic blood disorder (including coagulation disorders, anemia) with significant comorbidities  N051A Lymphatic system disorder (excluding spleen)  P001A Sepsis without significant comorbidities  P030C Human immunodeficiency virus (HIV) infection without significant comorbidities  P031C Human immunodeficiency virus (HIV) infection with significant comorbidities  P031A Influenza  P052A Sexually transmitted infection  P053A Other bacterial infection  P054 Other viral infection  Mental disorder resulting from brain injury or other illness without significant comorbidities  Q002 Mental disorder resulting from brain injury or other illness with significant comorbidities	L034C	Other uterine/fallopian/ovarian condition (including prolapse, fistula)
M030         Obstetrics without significant comorbidities           M031         Obstetrics with significant comorbidities           M050A         Unsuccessful/ectopic pregnancy           N001         Extremely low birth weight or immaturity without significant comorbidities           N002         Extremely low birth weight or immaturity with significant comorbidities           N003         Serious perinatal condition without significant comorbidities           N004         Serious perinatal condition with significant comorbidities           N005         Newborn/neonate with other complicating diagnosis           N070         Healthy newborn           0011A         Disease of the white blood cells (including neutropenia) without significant comorbidities           0002A         Disease of the white blood cells (including coagulation disorders, anemia) without significant comorbidities           0030C         Major chronic blood disorder (including coagulation disorders, anemia) with significant comorbidities           0050C         Other disease of blood/blood-forming organs           0051A         Lymphatic system disorder (excluding spleen)           9001A         Sepsis without significant comorbidities           P002A         Sepsis with significant comorbidities           P031C         Human immunodeficiency virus (HIV) infection with significant comorbidities           P050A         Other b	L050C	Menstruation disorder (including menopause)
M031         Obstetrics with significant comorbidities           M050A         Unsuccessful/ectopic pregnancy           N001         Extremely low birth weight or immaturity without significant comorbidities           N002         Extremely low birth weight or immaturity with significant comorbidities           N003         Serious perinatal condition without significant comorbidities           N004         Serious perinatal condition with significant comorbidities           N005         Newborn/neonate with other complicating diagnosis           N070         Healthy newborn           0001A         Disease of the white blood cells (including neutropenia) without significant comorbidities           0002A         Disease of the white blood cells (including coagulation disorders, anemia) without significant comorbidities           0030C         Major chronic blood disorder (including coagulation disorders, anemia) with significant comorbidities           0050C         Other disease of blood/blood-forming organs           0051A         Lymphatic system disorder (excluding spleen)           0051A         Lymphatic system disorder (excluding spleen)           0051A         Sepsis with significant comorbidities           0050C         Human immunodeficiency virus (HIV) infection without significant comorbidities           0051A         Influenza           0052A         Sexually transmitted infection <td>L051A</td> <td>Congenital/other female reproductive condition</td>	L051A	Congenital/other female reproductive condition
M050A         Unsuccessful/ectopic pregnancy           N001         Extremely low birth weight or immaturity without significant comorbidities           N002         Extremely low birth weight or immaturity with significant comorbidities           N003         Serious perinatal condition without significant comorbidities           N004         Serious perinatal condition with significant comorbidities           N005         Newborn/neonate with other complicating diagnosis           N070         Healthy newborn           0001A         Disease of the white blood cells (including neutropenia) without significant comorbidities           0002A         Disease of the white blood cells (including neutropenia) with significant comorbidities           0030C         Major chronic blood disorder (including coagulation disorders, anemia) without significant comorbidities           0031C         Major chronic blood disorder (including coagulation disorders, anemia) with significant comorbidities           0050C         Other disease of blood/blood-forming organs           0051A         Lymphatic system disorder (excluding spleen)           P001A         Sepsis without significant comorbidities           P002A         Sepsis with significant comorbidities           P030C         Human immunodeficiency virus (HIV) infection without significant comorbidities           P051A         Influenza           P052A	M030	Obstetrics without significant comorbidities
R001 Extremely low birth weight or immaturity without significant comorbidities  R002 Extremely low birth weight or immaturity with significant comorbidities  R003 Serious perinatal condition without significant comorbidities  R004 Serious perinatal condition with significant comorbidities  R005 Newborn/neonate with other complicating diagnosis  R070 Healthy newborn  R001A Disease of the white blood cells (including neutropenia) without significant comorbidities  R002A Disease of the white blood cells (including neutropenia) without significant comorbidities  R0030C Major chronic blood disorder (including coagulation disorders, anemia) without significant comorbidities  R031C Major chronic blood disorder (including coagulation disorders, anemia) with significant comorbidities  R050C Other disease of blood/blood-forming organs  R051A Lymphatic system disorder (excluding spleen)  R002A Sepsis without significant comorbidities  R030C Human immunodeficiency virus (HIV) infection without significant comorbidities  R031C Human immunodeficiency virus (HIV) infection with significant comorbidities  R050A Other bacterial infection  R051A Influenza  R052A Sexually transmitted infection (excluding HIV)  R053A Other/unspecified infection  R054 Other viral infection  R060 Mental disorder resulting from brain injury or other illness without significant comorbidities  R000 Mental disorder resulting from brain injury or other illness with significant comorbidities	M031	Obstetrics with significant comorbidities
N002         Extremely low birth weight or immaturity with significant comorbidities           N003         Serious perinatal condition without significant comorbidities           N004         Serious perinatal condition with significant comorbidities           N005         Newborn/neonate with other complicating diagnosis           N070         Healthy newborn           0001A         Disease of the white blood cells (including neutropenia) without significant comorbidities           0002A         Disease of the white blood cells (including neutropenia) with significant comorbidities           0030C         Major chronic blood disorder (including coagulation disorders, anemia) without significant comorbidities           0031C         Major chronic blood disorder (including coagulation disorders, anemia) with significant comorbidities           0050C         Other disease of blood/blood-forming organs           0051A         Lymphatic system disorder (excluding spleen)           0051A         Lymphatic system disorder (excluding spleen)           0051A         Sepsis with significant comorbidities           0052A         Sepsis with significant comorbidities           0030C         Human immunodeficiency virus (HIV) infection without significant comorbidities           0051A         Influenza           0052A         Sexually transmitted infection           0053A         Other/unspecified infection	M050A	Unsuccessful/ectopic pregnancy
N003 Serious perinatal condition without significant comorbidities  N004 Serious perinatal condition with significant comorbidities  N005 Newborn/neonate with other complicating diagnosis  N070 Healthy newborn  O001A Disease of the white blood cells (including neutropenia) without significant comorbidities  O002A Disease of the white blood cells (including neutropenia) with significant comorbidities  O030C Major chronic blood disorder (including coagulation disorders, anemia) without significant comorbidities  O031C Major chronic blood disorder (including coagulation disorders, anemia) with significant comorbidities  O050C Other disease of blood/blood-forming organs  O051A Lymphatic system disorder (excluding spleen)  P001A Sepsis without significant comorbidities  P002A Sepsis with significant comorbidities  P030C Human immunodeficiency virus (HIV) infection without significant comorbidities  P031C Human immunodeficiency virus (HIV) infection with significant comorbidities  P050A Other bacterial infection  P051A Influenza  P052A Sexually transmitted infection (excluding HIV)  P053A Other/unspecified infection  P054 Other viral infection  Q001 Mental disorder resulting from brain injury or other illness without significant comorbidities  Q002 Mental disorder resulting from brain injury or other illness with significant comorbidities	N001	Extremely low birth weight or immaturity without significant comorbidities
N004 Serious perinatal condition with significant comorbidities  Newborn/neonate with other complicating diagnosis  N070 Healthy newborn  Disease of the white blood cells (including neutropenia) without significant comorbidities  O002A Disease of the white blood cells (including neutropenia) with significant comorbidities  O030C Major chronic blood disorder (including coagulation disorders, anemia) without significant comorbidities  O031C Major chronic blood disorder (including coagulation disorders, anemia) with significant comorbidities  O050C Other disease of blood/blood-forming organs  O051A Lymphatic system disorder (excluding spleen)  P001A Sepsis without significant comorbidities  P002A Sepsis with significant comorbidities  P030C Human immunodeficiency virus (HIV) infection without significant comorbidities  P031C Human immunodeficiency virus (HIV) infection with significant comorbidities  P050A Other bacterial infection  P051A Influenza  P052A Sexually transmitted infection (excluding HIV)  P053A Other/unspecified infection  P054 Other viral infection  Mental disorder resulting from brain injury or other illness without significant comorbidities  Q001 Mental disorder resulting from brain injury or other illness with significant comorbidities	N002	Extremely low birth weight or immaturity with significant comorbidities
None Newborn/neonate with other complicating diagnosis  None Healthy newborn  Disease of the white blood cells (including neutropenia) without significant comorbidities  Disease of the white blood cells (including neutropenia) with significant comorbidities  Major chronic blood disorder (including coagulation disorders, anemia) without significant comorbidities  Major chronic blood disorder (including coagulation disorders, anemia) with significant comorbidities  Other disease of blood/blood-forming organs  Uymphatic system disorder (excluding spleen)  Sepsis without significant comorbidities  Poola Sepsis with significant comorbidities  Poola Human immunodeficiency virus (HIV) infection without significant comorbidities  Posla Other bacterial infection  Posla Influenza  Posla Sexually transmitted infection (excluding HIV)  Other/unspecified infection  Other viral infection  Mental disorder resulting from brain injury or other illness without significant comorbidities  Mental disorder resulting from brain injury or other illness with significant comorbidities  Mental disorder resulting from brain injury or other illness with significant comorbidities	N003	Serious perinatal condition without significant comorbidities
N070 Healthy newborn  O001A Disease of the white blood cells (including neutropenia) without significant comorbidities  O002A Disease of the white blood cells (including neutropenia) with significant comorbidities  O030C Major chronic blood disorder (including coagulation disorders, anemia) without significant comorbidities  O031C Major chronic blood disorder (including coagulation disorders, anemia) with significant comorbidities  O050C Other disease of blood/blood-forming organs  O051A Lymphatic system disorder (excluding spleen)  P001A Sepsis without significant comorbidities  P002A Sepsis with significant comorbidities  P030C Human immunodeficiency virus (HIV) infection without significant comorbidities  P031C Human immunodeficiency virus (HIV) infection with significant comorbidities  P050A Other bacterial infection  P051A Influenza  P052A Sexually transmitted infection (excluding HIV)  P053A Other/unspecified infection  P054 Other viral infection  Q001 Mental disorder resulting from brain injury or other illness without significant comorbidities  Q002 Mental disorder resulting from brain injury or other illness with significant comorbidities	N004	Serious perinatal condition with significant comorbidities
Disease of the white blood cells (including neutropenia) without significant comorbidities  Disease of the white blood cells (including neutropenia) with significant comorbidities  Major chronic blood disorder (including coagulation disorders, anemia) without significant comorbidities  Major chronic blood disorder (including coagulation disorders, anemia) with significant comorbidities  O031C Major chronic blood disorder (including coagulation disorders, anemia) with significant comorbidities  O050C Other disease of blood/blood-forming organs  O051A Lymphatic system disorder (excluding spleen)  P001A Sepsis without significant comorbidities  P002A Sepsis with significant comorbidities  P030C Human immunodeficiency virus (HIV) infection without significant comorbidities  P031C Human immunodeficiency virus (HIV) infection with significant comorbidities  P050A Other bacterial infection  P051A Influenza  P052A Sexually transmitted infection (excluding HIV)  P053A Other/unspecified infection  Other viral infection  Mental disorder resulting from brain injury or other illness without significant comorbidities  Q001 Mental disorder resulting from brain injury or other illness with significant comorbidities	N005	Newborn/neonate with other complicating diagnosis
Disease of the white blood cells (including neutropenia) with significant comorbidities  Major chronic blood disorder (including coagulation disorders, anemia) without significant comorbidities  Major chronic blood disorder (including coagulation disorders, anemia) with significant comorbidities  O50C Other disease of blood/blood-forming organs  O51A Lymphatic system disorder (excluding spleen)  P001A Sepsis without significant comorbidities  P002A Sepsis with significant comorbidities  P030C Human immunodeficiency virus (HIV) infection without significant comorbidities  P031C Human immunodeficiency virus (HIV) infection with significant comorbidities  P050A Other bacterial infection  P051A Influenza  P052A Sexually transmitted infection (excluding HIV)  P053A Other/unspecified infection  P054 Other viral infection  Q001 Mental disorder resulting from brain injury or other illness with significant comorbidities  Q002 Mental disorder resulting from brain injury or other illness with significant comorbidities	N070	Healthy newborn
O030C Major chronic blood disorder (including coagulation disorders, anemia) without significant comorbidities  O031C Major chronic blood disorder (including coagulation disorders, anemia) with significant comorbidities  O050C Other disease of blood/blood-forming organs  O051A Lymphatic system disorder (excluding spleen)  P001A Sepsis without significant comorbidities  P002A Sepsis with significant comorbidities  P030C Human immunodeficiency virus (HIV) infection without significant comorbidities  P031C Human immunodeficiency virus (HIV) infection with significant comorbidities  P050A Other bacterial infection  P051A Influenza  P052A Sexually transmitted infection (excluding HIV)  P053A Other/unspecified infection  P054 Other viral infection  Q001 Mental disorder resulting from brain injury or other illness without significant comorbidities  Q002 Mental disorder resulting from brain injury or other illness with significant comorbidities	O001A	Disease of the white blood cells (including neutropenia) without significant comorbidities
significant comorbidities  O031C Major chronic blood disorder (including coagulation disorders, anemia) with significant comorbidities  O050C Other disease of blood/blood-forming organs  O051A Lymphatic system disorder (excluding spleen)  P001A Sepsis without significant comorbidities  P002A Sepsis with significant comorbidities  P030C Human immunodeficiency virus (HIV) infection without significant comorbidities  P031C Human immunodeficiency virus (HIV) infection with significant comorbidities  P050A Other bacterial infection  P051A Influenza  P052A Sexually transmitted infection (excluding HIV)  P053A Other/unspecified infection  P054 Other viral infection  Q001 Mental disorder resulting from brain injury or other illness with significant comorbidities  Q002 Mental disorder resulting from brain injury or other illness with significant comorbidities	O002A	Disease of the white blood cells (including neutropenia) with significant comorbidities
O050C Other disease of blood/blood-forming organs  O051A Lymphatic system disorder (excluding spleen)  P001A Sepsis without significant comorbidities  P002A Sepsis with significant comorbidities  P030C Human immunodeficiency virus (HIV) infection without significant comorbidities  P031C Human immunodeficiency virus (HIV) infection with significant comorbidities  P050A Other bacterial infection  P051A Influenza  P052A Sexually transmitted infection (excluding HIV)  P053A Other/unspecified infection  P054 Other viral infection  Q001 Mental disorder resulting from brain injury or other illness without significant comorbidities  Q002 Mental disorder resulting from brain injury or other illness with significant comorbidities	O030C	
D051A Lymphatic system disorder (excluding spleen)  P001A Sepsis without significant comorbidities  P002A Sepsis with significant comorbidities  P030C Human immunodeficiency virus (HIV) infection without significant comorbidities  P031C Human immunodeficiency virus (HIV) infection with significant comorbidities  P050A Other bacterial infection  P051A Influenza  P052A Sexually transmitted infection (excluding HIV)  P053A Other/unspecified infection  P054 Other viral infection  Q001 Mental disorder resulting from brain injury or other illness without significant comorbidities  Q002 Mental disorder resulting from brain injury or other illness with significant comorbidities	O031C	Major chronic blood disorder (including coagulation disorders, anemia) with significant comorbidities
P001A Sepsis without significant comorbidities P002A Sepsis with significant comorbidities P030C Human immunodeficiency virus (HIV) infection without significant comorbidities P031C Human immunodeficiency virus (HIV) infection with significant comorbidities P050A Other bacterial infection P051A Influenza P052A Sexually transmitted infection (excluding HIV) P053A Other/unspecified infection P054 Other viral infection Q001 Mental disorder resulting from brain injury or other illness without significant comorbidities Q002 Mental disorder resulting from brain injury or other illness with significant comorbidities	O050C	Other disease of blood/blood-forming organs
P030C Human immunodeficiency virus (HIV) infection without significant comorbidities  P031C Human immunodeficiency virus (HIV) infection with significant comorbidities  P050A Other bacterial infection  P051A Influenza  P052A Sexually transmitted infection (excluding HIV)  P053A Other/unspecified infection  P054 Other viral infection  Q001 Mental disorder resulting from brain injury or other illness without significant comorbidities  Q002 Mental disorder resulting from brain injury or other illness with significant comorbidities	O051A	Lymphatic system disorder (excluding spleen)
P030C Human immunodeficiency virus (HIV) infection without significant comorbidities  P031C Human immunodeficiency virus (HIV) infection with significant comorbidities  P050A Other bacterial infection  P051A Influenza  P052A Sexually transmitted infection (excluding HIV)  P053A Other/unspecified infection  P054 Other viral infection  Q001 Mental disorder resulting from brain injury or other illness without significant comorbidities  Q002 Mental disorder resulting from brain injury or other illness with significant comorbidities	P001A	Sepsis without significant comorbidities
P031C Human immunodeficiency virus (HIV) infection with significant comorbidities  P050A Other bacterial infection  P051A Influenza  P052A Sexually transmitted infection (excluding HIV)  P053A Other/unspecified infection  P054 Other viral infection  Q001 Mental disorder resulting from brain injury or other illness without significant comorbidities  Q002 Mental disorder resulting from brain injury or other illness with significant comorbidities	P002A	Sepsis with significant comorbidities
P050A Other bacterial infection  P051A Influenza  P052A Sexually transmitted infection (excluding HIV)  P053A Other/unspecified infection  P054 Other viral infection  Q001 Mental disorder resulting from brain injury or other illness without significant comorbidities  Q002 Mental disorder resulting from brain injury or other illness with significant comorbidities	P030C	Human immunodeficiency virus (HIV) infection without significant comorbidities
P051A Influenza  P052A Sexually transmitted infection (excluding HIV)  P053A Other/unspecified infection  P054 Other viral infection  Q001 Mental disorder resulting from brain injury or other illness without significant comorbidities  Q002 Mental disorder resulting from brain injury or other illness with significant comorbidities	P031C	Human immunodeficiency virus (HIV) infection with significant comorbidities
P052A Sexually transmitted infection (excluding HIV)  P053A Other/unspecified infection  P054 Other viral infection  Q001 Mental disorder resulting from brain injury or other illness without significant comorbidities  Q002 Mental disorder resulting from brain injury or other illness with significant comorbidities	P050A	Other bacterial infection
P053A Other/unspecified infection  P054 Other viral infection  Q001 Mental disorder resulting from brain injury or other illness without significant comorbidities  Q002 Mental disorder resulting from brain injury or other illness with significant comorbidities	P051A	Influenza
P054 Other viral infection  Q001 Mental disorder resulting from brain injury or other illness without significant comorbidities  Q002 Mental disorder resulting from brain injury or other illness with significant comorbidities	P052A	Sexually transmitted infection (excluding HIV)
Q001 Mental disorder resulting from brain injury or other illness without significant comorbidities  Q002 Mental disorder resulting from brain injury or other illness with significant comorbidities	P053A	Other/unspecified infection
Q002 Mental disorder resulting from brain injury or other illness with significant comorbidities	P054	Other viral infection
	Q001	Mental disorder resulting from brain injury or other illness without significant comorbidities
Q003A Delirium	Q002	Mental disorder resulting from brain injury or other illness with significant comorbidities
	Q003A	Delirium

HPG code	Description
Q004	Eating disorder without significant comorbidities
Q005	Eating disorder with significant comorbidities
Q006	Dementia (including Alzheimer's disease) without significant comorbidities
Q007	Dementia (including Alzheimer's disease) with significant comorbidities
Q008	Delusional disorder (including schizophrenia) without significant comorbidities
Q009	Delusional disorder (including schizophrenia) with significant comorbidities
Q010	Other major mental health disorder (including bipolar) without significant comorbidities
Q011	Other major mental health disorder (including bipolar) with significant comorbidities
Q070	Personality disorder without significant comorbidities
Q071	Personality disorder with significant comorbidities
Q072	Drug/alcohol dependence without significant comorbidities
Q073	Drug/alcohol dependence with significant comorbidities
Q074	Depression
Q075	Developmental disorder (including autism spectrum)
Q076	Neurotic/anxiety/obsessive compulsive disorder
Q077	Behavioural and emotional childhood/adolescent disorder
Q078	Other mental health disorder/condition (including adjustment reaction)
Q079	Mental health sign/symptom
R001	Metastatic cancer without significant comorbidities
R002	Metastatic cancer with significant comorbidities
R003	Brain cancer without significant comorbidities
R004	Brain cancer with significant comorbidities
R005	Other digestive/hepatobiliary cancer without significant comorbidities
R006	Other digestive/hepatobiliary cancer with significant comorbidities
R007	Lung cancer without significant comorbidities
R008	Lung cancer with significant comorbidities
R009	Leukemia/lymphoma without significant comorbidities
R010	Leukemia/lymphoma with significant comorbidities
R011	Ovarian cancer
R012	Bladder cancer without significant comorbidities
R013	Bladder cancer with significant comorbidities
R014	Musculoskeletal cancer without significant comorbidities
R015	Musculoskeletal cancer with significant comorbidities
R016	Renal cancer without significant comorbidities
R017	Renal cancer with significant comorbidities
R018	Colorectal cancer without significant comorbidities
R019	Colorectal cancer with significant comorbidities
R020	Uterine cancer

HPG code	Description
R021	Oral/ear/nose/throat cancer without significant comorbidities
R022	Oral/ear/nose/throat cancer with significant comorbidities
R070	Breast cancer without significant comorbidities
R071	Breast cancer with significant comorbidities
R072	Prostate cancer without significant comorbidities
R073	Prostate cancer with significant comorbidities
R074	Skin/cervical/thyroid/other unspecified cancer
S001	Palliative state (acute)
S002A	Transplant complication
S003A	Ostomy complication
S004C	Presence of ostomy
S005C	Transplant recipient without significant comorbidities
S006C	Transplant recipient with significant comorbidities
S030C	Chromosomal/other/unspecified congenital syndrome/disorder without significant comorbidities
S031C	Chromosomal/other/unspecified congenital syndrome/disorder with significant comorbidities
S050A	Other complication of medical or surgical care
S051A	Reaction to transfusion/medication/anesthesia
S052A	Drug/alcohol poisoning (not elsewhere classified)
S053A	Other trauma/injury (not elsewhere classified)
S054A	Open wound
X001A	Other major acute condition (including shock, coma) without significant comorbidities
X002A	Other major acute condition (including shock, coma) with significant comorbidities
X003C	Other major chronic condition (including congenital anomaly heart) without significant comorbidities
X004C	Other major chronic condition (including congenital anomaly heart) with significant comorbidities
X030C	Other moderate chronic condition
X050A	Other minor acute condition (including general symptoms)
Z000	Users without health conditions
Z098	Non-users

### Appendix C: 16 health profile group categories

HPG	
category code	Description
01	Palliative
02	Major Acute
03	Major Chronic
04	Major Newborn
05	Major Mental Health
06	Major Cancer
07	Moderate Acute
08	Moderate Chronic
09	Other Cancer
10	Other Mental Health
11	Obstetrics
12	Minor Acute
13	Minor Chronic
14	Healthy Newborn
15	Health System User With No Health Conditions
16	Health System Non-User



**CIHI Ottawa** 

495 Richmond Road Suite 600 Ottawa, Ont. K2A 4H6

613-241-7860

**CIHI Toronto** 

4110 Yonge Street Suite 300 Toronto, Ont. M2P 2B7

416-481-2002

**CIHI Victoria** 

880 Douglas Street Suite 600 Victoria, B.C. V8W 2B7 250-220-4100

**CIHI Montréal** 

1010 Sherbrooke Street West Suite 602 Montréal, Que. H3A 2R7 514-842-2226

cihi.ca









