

The most common ICD-9 codes within each topic using LDA with k=10, alpha=5 Other and unspecified anemias Symptoms involving head a 486. Need for prophylactic vaccination and inoculation against cel 453 Symptoms involving nervous and musculoskeletal sys 511 v04 **-**General medical examination Encounter for other and unspecified procedu Neoplasm of uncertain behavior of other and unspecified sites and tissues Other disorders of urethra and urinary tract Acute pulmonary heart disease 238 **-**599 -Disorders of muscle ligament and fasc 786. 702 **-**728 **-**Care involving use of rehabilitation procedures v57 v76 **-**Acute bronchitis and bronchiolitis 401 -780 -287 -311 -793 **-**Acute upper respiratory infections of multiple or unspecified sites 799 -300 -0.01 0.02 0.01 0.02 0.04 0.06 0.04 Other symptoms involving apdome v10. Secondary malignant neoplasm of respiratory a 724. Other and unspecified disord Other venous embolism and tl 198 -Other disorders of intestine Secondary malignant neoplasm of other sp 719. Other and unspecified disorders Symptoms involving digestive system Malignant neoplasm without specification of site Osteoarthrosis and allied disorders 787 **-**Other disorders of urethra and urinary tract Malignant neoplasm of colon Symptoms involving digestive system Other disorders of bone and cartilage 733 **-**Other disorders of soft tissues 453 **-**722 **-**0 Disorders of fluid electrolyte and acid-base balance Encounter for other and unspecified procedures and aftercare Essential hypertension Disorders of muscle ligament and fascia v58 -995 Certain adverse effects not elsewhere classified Symptoms involving urinary system Other diseases of lung Spondylosis and allied disorders 518 -721 -Injury other and unspecified Functional digestive disorders not elsewhere classified Acute pulmonary heart disease 415 -959 -Secondary and unspecified malignant neoplasm of lymph nodes Other disorders of cervical region 272 **-**723 **-**Other and unspecified protein-calorie malnutrition Phlebitis and thrombophlebitis Convalescence and palliative care Other and unspecified arthropathies 0.02 Other forms of chronic ischemic h 174 Malignant neoplasm of female breast 424 **-**Encounter for other and unspecified procedures and aftercare v58 **-**428 **-**429 **-**Acute kidney failure 0.02 0.02 Per-topic-per-word probability

The most common ICD-9 codes within each topic using LDA with k=20, alpha=2.5 Chronic airway obstruction, not else _{V58} -Other and unspecified disord 496 Encounter for other and unspecified proce 578 Intervertebral disc disorders Diseases of esophagus 702 -Other diseases of lung Other dermatoses Spondylosis and allied disorders Other ill-defined and unknown causes of morbidity and mortality Neoplasm of uncertain behavior of other and unspecified sites and tissues Other venous embolism and thro 562 Diverticula of Other and unspecified disorders of joint Other hernia of abdominal cavity without mention of obst vo4. Pneumonia, organis m unspeci v10 -Personal history of malignant neoplasm Other disorders of bone and cartilage Chronic bronchitis Other disorders of soft tissues Other symptoms involving apdomen and pel 692. Contact dermatitis and 729 -Pain, not elsewh oms involving respiratory system and other chest symptoms Symptoms involving respiratory system and other chest symptoms 280 Iron deficienc Other retinal disorders 362 -Other disorders of cervical region Malignant neoplasm of trachea bronchus and lung General symptoms 709 -Other disorders of skin and subcutaneous tissue Other and unspecified anemias Anxiety, dissociative and sornatoform disorders Organ or tissue replaced v43 **-**Symptoms involving digestive system 379 -Emphysema Personal history of certain other diseases Other disorders of intestine Benign neoplasm of skin Depressive disorder, not elsewhere classified 216 -0.025 Encounter for other and unspecified procedures and aft 348 -Other disorders of kidney a Overweight, obesity and other hyperali 153 -Malignant neoplasm c _{V58} -Chronic kidney disease (ck Secondary malignant neoplasm of respiratory and dig 518 Other diseases of lung Body mass index (bmi) 781 -Symptoms involving nervous and mu Other venous embolism and thrombosis Other disorders of urethra and urinary tract Encounter for other and unspecified procedures and aftercare 560 t mention of hernia 728 -Other symptoms involving apdomen and pelvis Symptoms involving urinary system 401 -784 **-**Other venous embolism and thrombosis Acute kidne Other symptoms involving apdom 786 Other cerebral degenerations Symptoms involving respiratory system and 453 **-**Hypertensive chronic kidney disease Nonspecific (abnormal) findings on radiological and other examination of body structure Artificial opening status General symptoms Diabetes mellitus Other disorders of soft tissues Malignant neoplasm of rectum rectos gmoid junction and anus Care involving use of rehabilitation procedures v57 **-**729 **-**Malignant neoplasin of prostate 415 -434 -Occlusion of cerepral arteries Attention to artific al openings Hydronep hrosis Symptoms involving skin and other integumentary tissue Other and ill-defined cerebrovascular disease v55 **-**511 **-**437 -Renal failure, unspecified Disorders of fluid electrolyte and acid-base balance Symptoms concerning nutrition metabolism and development tent mental disorders due to conditions classified elsewhere Acquired hypothyroidism 0.02 0.075 0.06 12 Injury other and unsp 465 -Diseases of white bloc 959 Acute upper respiratory infections of multiple or unspecified s V15 Other personal history presenting h 995. Certain adverse effects no Other and unspecified disorders of joint Purpura and other hemorrhagi Acute bronchitis and bronchiolitis Personal history of malignant neoplasm Aplastic anemia and other bone marrow failure syndromes Osteoarthrosis and allied disorders Need for prophylactic vaccination and inocular Bacterial infection in conditions classified elsewhere and of unspecified site 041 -Special screening for malignant neoplasms Encounter for other and unspecified procedures and aftercare Other orthopedic aftercare Other postprocedural states Hypotehsion v54 v45 -458 -Disorders of muscle ligament and fascia Other venous embolism and thrombosis Pneumonia, organism unspecified Other specified personal exposures and history presenting hazards to health 486 **-**Symptoms involving head and neck Other malignant neoplasms of lymphoid and histiocytic tissue Acute kidne 110 -784 **-**Care involving use of rehabilitation procedures v57 **-**780 **-**276 -Other and unspecified anemias Organ or tissue replaced by other means Personal history of certa Other cellulitis and abscess v43 **-**461 v12 -682 **-**Symptoms involving digestive system Chronic s nusitis Other and unspecified fal 787 -Symptoms involving digestive system 263 ther and unspecified protei -calorie malnutritior Contusion of lower limb and of other and unspecified sites Disorders of minera metabolism mptoms involving cardipvascular system 785 **-**0.02 0.02 0.02 0.075 0.03 0.050 Encounter for other and unspecified proce 414 Encounter for other and unspecified procedures and after 174. Malignant neoplasm of fem 198 -Secondary malignant neoplasm of oth v58 Other forms of chronic ischer Special investigations and examinations Secondary malignant neoplasm of respiratory and digestive systems Malignant neoplasm without specification of site Special screening for malignant neoplasms Other venous embolism and thrombosis III-defined descriptions and complications of heart dise Personal history of malignant neoplasm Personal history of malignant neoplasm ondary and unspecified malignant neoplasm of lymph nodes Family history of malignant neoplasm Personal history of malignant neoplasm v10 -427 -729 v66 -Symptoms involving respiratory system and other chest symptoms Symptoms involving respiratory system and other chest symptoms Follow-up examination Conduction disorders v67 **-**162 **-**786 **-**426 **-**786 **-**Disorders of lipoid metabolism 272 v45 **-**General medical examination General symptoms v70 -415 -Acute pulmonary heart disease 440 -Atherosc 780 -276 -ers of fluid electrolyte and acid-base balance Disorders of lipoid metabolism Nonspecific abnormal results of function studies Other disorders of breast Personal history of certain other diseases 794 **-**272 -611 v12 -Noninfectious disorders of lymphatic channels Cardiomypp 782 **-**425 **-**0.025 0.15 0.025 0.075 0.000 0.025 0.050 0.075 0.100 0.000 0.025 0.050 0.075 0.050 0.075 0.000 0.050

Per-topic-per-word probability







