The most common ICD-9 codes within each topic using Gibbs estimation with alpha=5 Need for prophylactic vaccination and inoculation ag 724-Other and unspecified disorc V58 -Encounter for other and unspecified proce 784 Symptoms involving head Symptoms involving nervous and musculoskele Osteoarthrosis and allied disorders Personal history of malignant neoplasm 366 -V10 -Other conditions of brain Neoplasm of uncertain behavior of other and unspecified sites and tissues Intervertebral disc disorders Essential hypertension 348 401 -Other venous embolism and thre 728 Spondylosis and allied disorders Disorders of muscle ligament and Other dermatoses 702 -453 **-**Disorders of lipoid metabolism Disorders of muscle ligament and fascia General symptoms General medical examination 272 **-**Injury other and unspecified General symptoms Other and unspecified disorders of joint Special screening for malignant neoplasms 780 -959 -Other and unspecified disorders 729 -Other disorders of Depressive disorder, not elsewhere classified Other retinal disorders 311 -719 -Other disorders of skin and subcutaneous tissue Other disorders of cervical region Symptoms involving respiratory system and other chest symptoms Other disorders of urethra and urinary tract 709 -723 **-**786 -Other disorders of bone and cartilage Acute upper respiratory infections of multiple or unspecified sites Care involving use of rehabilitation procedures V57 -733 -250 -Other and unspecified arthropathies Symptoms involving skin and other integumentary tissue Anxiety, dissociative and somatoform disorders 782 **-**0.01 0.04 0.025 0.050 0.075 0.01 0.02 0.03 0.03 Other forms of chronic ischemic 569 of intestine Other diseases of V58 Encounter for other and unspecified proc Other symptoms involving abdon 486. m unspecified 585 **-**789 -Heart failure Malignant neoplasm of colon Purpura and other hemorphagic conditions 428 **-**153 **-**511 -287 9 427 -0 401 -Chronic airway obstruction, not elsewhere classified Cardiac dysrhythmias 578 **-**496 **-**280 **-**799 **-**Other ill-defined and unknown causes of morbidity and mortality soft tissues Disorders of lipoid metabolism 272 **-**415 **-**729 -Other disorders nia of abdominal cavity without mention of obstruction or gangrene Other and unspecified anemias 786 cific (abnormal) findings on radiological and other examination of body structure III-defined descriptions and complications of heart disease Symptoms involving digestive system Certain adverse effects not elsewhere classified Other disorders of kidney and ureter Malignant neoplasm of trachea bronchus and lung Symptoms involving respiratory system and other chest symptoms 593 **-**Disorders of fluid electrolyte and acid-base balance Gastritis and duodenitis Symptoms involving cardibvascular system 0.02 0.01 0.02 0.02 0.03 0.04 0.00 0.04 0.06 10 Secondary malignant neoplasm of respiratory 174 Secondary malignant neoplasm of other V10 198 **-**199 -V45 -V67 -789 -453 **-**V12 -V76 -V66 -733 e classified bry presenting hazards to health

Per-topic-per-word probability

0.02

0.02