ICD9 9 Topics

```
[(0,
  '0.034*"aortic" + 0.029*"stenosis" + 0.019*"dyspnea" + 0.018*"coronary"
+ '
  '0.018*"surgery" + 0.017*"exertion" + 0.017*"valve" + 0.017*"mitral" + '
  '0.016*"artery" + 0.016*"severe" + 0.014*"referred" +
0.012*"regurgitation" '
  '+ 0.011*"past" + 0.011*"breath" + 0.011*"shortness"'),
 (1,
  '0.016*"fever" + 0.012*"abdominal" + 0.011*"denies" + 0.010*"given" + '
  '0.008*"heent" + 0.008*"neuro" + 0.007*"diarrhea" + 0.007*"micu" + '
  '0.007*"cough" + 0.006*"neck" + 0.006*"hypotension" + 0.006*"placed" + '
  '0.006*"chill" + 0.006*"mental" + 0.005*"received"'),
 (2,
  '0.022*"cancer" + 0.022*"report" + 0.016*"episode" + 0.013*"symptom" + '
  '0.013*"died" + 0.013*"last" + 0.012*"mother" + 0.012*"denies" + '
  '0.012*"father" + 0.010*"past" + 0.010*"state" + 0.010*"month" + '
  '0.009*"nausea" + 0.008*"prior" + 0.007*"mild"'),
 (3,
  '0.024*"bilaterally" + 0.023*"extremity" + 0.023*"normal" +
0.021*"sound" + '
  '0.021*"clear" + 0.019*"pulse" + 0.017*"lung" + 0.017*"murmur" + '
  '0.017*"abdomen" + 0.016*"edema" + 0.015*"bowel" + 0.015*"neck" + '
  '0.015*"soft" + 0.013*"general" + 0.013*"distress"'),
 (4,
  '0.046*"artery" + 0.044*"coronary" + 0.025*"catheterization" +
0.023*"post" '
  '+ 0.014*"diabetes" + 0.014*"anterior" + 0.013*"infarction" + '
  '0.013*"myocardial" + 0.012*"transferred" + 0.011*"showed" +
0.011*"graft" + '
  '0.011*"bypass" + 0.011*"pressure" + 0.010*"hypercholesterolemia" + '
  '0.009*"stent"'),
 (5,
  '0.020*"blood" + 0.016*"chronic" + 0.011*"failure" + 0.011*"renal" + '
  '0.010*"noted" + 0.009*"given" + 0.009*"started" + 0.008*"pressure" + '
  '0.008*"post" + 0.007*"multiple" + 0.007*"baseline" + 0.007*"treated" +
'
  '0.007*"pneumonia" + 0.007*"ulcer" + 0.007*"past"'),
 (6,
  '0.026*"intubated" + 0.022*"given" + 0.019*"found" + 0.017*"started" + '
  '0.016*"transferred" + 0.014*"placed" + 0.012*"cath" + 0.012*"showed" +
'
  '0.011*"received" + 0.011*"sedated" + 0.009*"arrival" +
0.009*"respiratory" '
  '+ 0.008*"pupil" + 0.008*"noted" + 0.008*"heparin"'),
 (7,
  '0.022*"denies" + 0.016*"review" + 0.014*"system" + 0.012*"dyspnea" + '
  '0.010*"cath" + 0.010*"pink" + 0.010*"stool" + 0.010*"ncat" + '
  '0.009*"conjunctiva" + 0.009*"oral" + 0.009*"anicteric" + 0.009*"sclera"
+ '
  '0.009*"mucosa" + 0.009*"pallor" + 0.009*"cyanosis"'),
 (8,
  '0.023*"cath" + 0.021*"having" + 0.021*"edema" + 0.020*"soft" + '
```

```
    '0.020*"neuro" + 0.020*"recorded" + 0.018*"male" + 0.017*"neck" + '
    '0.017*"heart" + 0.016*"heent" + 0.015*"warm" + 0.014*"carotid" + '
    '0.013*"ctab" + 0.012*"lung" + 0.012*"supple"')]
```

Mortality 9 Topics

```
[(0,
  '0.027*"right" + 0.024*"left" + 0.013*"mass" + 0.010*"last" + 0.009*"low
er" '
  '+ 0.008*"surgery" + 0.008*"lung" + 0.008*"extremity" + 0.008*"underwent
" + '
  '0.007*"edema" + 0.007*"known" + 0.007*"site" + 0.007*"wound" + '
  '0.006*"cancer" + 0.006*"scan"'),
 (1,
  '0.032*"left" + 0.031*"artery" + 0.026*"disease" + 0.025*"coronary" + '
  '0.023*"cardiac" + 0.019*"aortic" + 0.019*"catheterization" + '
  '0.018*"stenosis" + 0.016*"chest" + 0.015*"right" + 0.014*"showed" + '
  '0.013*"revealed" + 0.012*"referred" + 0.012*"male" + 0.012*"severe"'),
 (2,
  '0.035*"blood" + 0.019*"unit" + 0.016*"emergency" + 0.015*"abdominal" +
'
  '0.013*"pressure" + 0.013*"transferred" + 0.011*"prior" + 0.010*"nausea"
 + '
  '0.009*"vomiting" + 0.009*"medical" + 0.009*"department" + 0.009*"episod
e" + '
  '0.008*"room" + 0.008*"bleeding" + 0.008*"stool"'),
 (3,
  '0.019*"denies" + 0.015*"clear" + 0.015*"neck" + 0.014*"edema" + '
  '0.012*"lung" + 0.011*"bilaterally" + 0.011*"supple" + 0.010*"normal" +
'
  '0.010*"abdomen" + 0.010*"bowel" + 0.010*"murmur" + 0.010*"sound" + '
  '0.010*"general" + 0.009*"report" + 0.009*"pulse"'),
 (4,
  '0.038*"chest" + 0.013*"cardiac" + 0.013*"denies" + 0.010*"dyspnea" + '
  '0.010*"prior" + 0.010*"review" + 0.010*"system" + 0.009*"cath" + '
  '0.008*"heparin" + 0.008*"syncope" + 0.007*"orthopnea" + 0.007*"palpitat
ion" '
  '+ 0.007*"pressure" + 0.007*"carotid" + 0.006*"exertion"'),
 (5,
  '0.020*"left" + 0.020*"right" + 0.018*"noted" + 0.015*"headache" + '
  '0.014*"weakness" + 0.014*"seizure" + 0.010*"head" + 0.010*"last" + '
  '0.010*"known" + 0.009*"difficulty" + 0.009*"report" + 0.008*"state" + '
  '0.008*"sided" + 0.007*"called" + 0.007*"wife"'),
 (6,
  '0.028*"given" + 0.024*"intubated" + 0.018*"found" + 0.013*"arrival" + '
  '0.012*"received" + 0.011*"started" + 0.010*"placed" + 0.009*"mental" +
'
  '0.009*"transferred" + 0.009*"transfer" + 0.009*"sedated" + 0.009*"unabl
e" + '
  '0.007*"place" + 0.007*"noted" + 0.007*"initial"'),
 (7,
  '0.024*"intact" + 0.023*"fall" + 0.019*"left" + 0.016*"bilaterally" + '
  '0.016*"fracture" + 0.016*"head" + 0.014*"normal" + 0.013*"pupil" + '
```

```
    '0.013*"neck" + 0.013*"motor" + 0.012*"right" + 0.009*"neuro" + '
    '0.009*"alert" + 0.009*"extremity" + 0.009*"awake"'),
  (8,
    '0.016*"breath" + 0.016*"respiratory" + 0.014*"fever" + 0.012*"treated"
+ '
    '0.011*"course" + 0.011*"increased" + 0.011*"cough" + 0.011*"shortness"
+ '
    '0.010*"failure" + 0.009*"started" + 0.009*"chest" + 0.008*"showed" + '
    '0.008*"rehab" + 0.008*"pneumonia" + 0.007*"culture"')]
```

Mortality 20 Topics

```
[(0,
    '0.030*"chest" + 0.029*"cardiac" + 0.019*"denies" + 0.018*"review" + '
    '0.016*"system" + 0.014*"cath" + 0.013*"dyspnea" + 0.012*"pink" + '
    '0.010*"sclera" + 0.010*"conjunctiva" + 0.010*"femoral" + 0.010*"stool"
+ '
    '0.010*"ncat" + 0.010*"anicteric" + 0.010*"mucosa"'),
  (1,
    '0.049*"liver" + 0.027*"cirrhosis" + 0.021*"effusion" + 0.018*"cycle" +
'
    '0.018*"pleural" + 0.016*"diagnosed" + 0.015*"ascites" + 0.014*"varix" +
'
    '0.014*"transplant" + 0.014*"biopsy" + 0.014*"hepatitis" +
0.013*"hepatic" + '
    '0.012*"cell" + 0.012*"chemotherapy" + 0.012*"chemo"'),
  (2,
    '0.069*"atrial" + 0.060*"fibrillation" + 0.046*"coumadin" +
0.031*"heart" + '
    '0.031*"afib" + 0.020*"rate" + 0.019*"sinus" + 0.017*"cardiomyopathy" +
'
    '0.016*"arrest" + 0.016*"pacemaker" + 0.015*"tachycardia" + '
    '0.015*"ventricular" + 0.014*"main" + 0.014*"pericardial" +
0.012*"rhythm"'),
  (3,
    '0.062*"aortic" + 0.044*"stenosis" + 0.036*"valve" + 0.030*"mitral" + '
    '0.021*"aneurysm" + 0.021*"severe" + 0.019*"regurgitation" +
0.018*"left" + '
    '0.018*"heart" + 0.018*"surgery" + 0.017*"replacement" +
0.016*"referred" + '
    '0.015*"right" + 0.015*"dyspnea" + 0.014*"cardiac"'),
  (4,
    '0.038*"headache" + 0.033*"intact" + 0.023*"normal" +
0.022*"bilaterally" + '
    '0.016*"speech" + 0.016*"alert" + 0.016*"neck" + 0.014*"oriented" + '
    '0.014*"awake" + 0.011*"vision" + 0.011*"extrem" + 0.011*"dysarthria" +
'
    '0.011*"pupil" + 0.011*"left" + 0.011*"perfused"'),
  (5,
    '0.016*"course" + 0.015*"tube" + 0.014*"placed" + 0.014*"treated" + '
    '0.012*"hypotension" + 0.011*"fever" + 0.011*"vancomycin" +
0.011*"place" + '
    '0.011*"placement" + 0.011*"rehab" + 0.010*"started" + 0.010*"line" + '
```

```
   '0.009*"transferred" + 0.009*"culture" + 0.008*"infection"'),
 (6,
  '0.050*"artery" + 0.045*"disease" + 0.043*"coronary" + 0.032*"left" + '
  '0.028*"chest" + 0.022*"cardiac" + 0.022*"post" +
0.018*"catheterization" + '
  '0.016*"hypertension" + 0.015*"right" + 0.013*"stent" + 0.012*"showed" +
'
  '0.011*"infarction" + 0.010*"vessel" + 0.010*"myocardial"'),
 (7,
  '0.031*"edema" + 0.030*"neck" + 0.028*"neuro" + 0.025*"extremity" + '
  '0.022*"skin" + 0.021*"intact" + 0.019*"pulse" + 0.018*"lung" +
0.016*"eomi" '
  '+ 0.014*"perrl" + 0.014*"bilaterally" + 0.013*"supple" + 0.013*"clear"
+ '
  '0.011*"recorded" + 0.011*"having"'),
 (8,
  '0.156*"last" + 0.068*"first" + 0.054*"stitle" + 0.048*"doctor" + '
  '0.029*"followed" + 0.010*"hand" + 0.009*"lumbar" + 0.009*"spinal" + '
  '0.008*"wdwn" + 0.007*"finger" + 0.007*"swelling" + 0.007*"fusion" + '
  '0.007*"tongue" + 0.007*"dilaudid" + 0.007*"shaking"'),
 (9,
  '0.028*"left" + 0.027*"right" + 0.026*"seizure" + 0.023*"noted" + '
  '0.020*"stroke" + 0.019*"mental" + 0.015*"given" + 0.015*"weakness" + '
  '0.014*"unable" + 0.014*"daughter" + 0.013*"sided" + 0.011*"dementia" +
'
  '0.011*"called" + 0.010*"head" + 0.010*"question"'),
 (10,
  '0.051*"denies" + 0.033*"abdominal" + 0.028*"nausea" + 0.028*"fever" + '
  '0.024*"vomiting" + 0.019*"chill" + 0.018*"recent" + 0.018*"diarrhea" +
'
  '0.015*"chest" + 0.015*"denied" + 0.014*"cough" + 0.013*"breath" + '
  '0.012*"stool" + 0.011*"shortness" + 0.010*"bleeding"'),
 (11,
  '0.036*"cancer" + 0.035*"died" + 0.034*"father" + 0.033*"mother" + '
  '0.024*"surgery" + 0.019*"hernia" + 0.019*"brother" + 0.019*"female" + '
  '0.017*"sister" + 0.017*"breast" + 0.014*"gerd" + 0.014*"disease" + '
  '0.014*"repair" + 0.013*"hypertension" + 0.013*"penicillin"'),
 (12,
  '0.045*"right" + 0.034*"left" + 0.023*"mass" + 0.018*"scan" +
0.018*"showed" '
  '+ 0.017*"cancer" + 0.015*"resection" + 0.014*"underwent" + 0.013*"lobe"
+ '
  '0.012*"lung" + 0.012*"lesion" + 0.012*"small" + 0.012*"upper" + '
  '0.011*"revealed" + 0.011*"cell"'),
 (13,
  '0.056*"abuse" + 0.047*"etoh" + 0.034*"alcohol" + 0.025*"depression" + '
  '0.024*"disorder" + 0.018*"bipolar" + 0.015*"seizure" + 0.015*"drinking"
+ '
  '0.013*"attempt" + 0.012*"hepatitis" + 0.011*"withdrawal" +
0.011*"anxiety" '
  '+ 0.011*"drink" + 0.010*"suicide" + 0.010*"pancreatitis"'),
 (14,
  '0.027*"respiratory" + 0.023*"breath" + 0.021*"given" + 0.018*"copd" + '
```

```
   '0.015*"pneumonia" + 0.015*"cough" + 0.012*"shortness" +
0.012*"pulmonary" + '
   '0.012*"distress" + 0.012*"intubated" + 0.011*"started" + 0.011*"lung" +
'
   '0.010*"lasix" + 0.010*"edema" + 0.010*"failure"'),
  (15,
   '0.048*"chronic" + 0.037*"renal" + 0.033*"disease" + 0.025*"left" + '
   '0.024*"right" + 0.024*"diabetes" + 0.021*"post" + 0.018*"failure" + '
   '0.016*"type" + 0.015*"foot" + 0.014*"hypertension" + 0.013*"ulcer" + '
   '0.013*"lower" + 0.012*"peripheral" + 0.011*"multiple"'),
  (16,
   '0.031*"intubated" + 0.029*"fall" + 0.026*"head" + 0.025*"fracture" + '
   '0.025*"left" + 0.019*"right" + 0.018*"found" + 0.017*"drug" +
0.016*"pupil" '
   '+ 0.016*"transferred" + 0.012*"unresponsive" + 0.012*"sedated" + '
   '0.011*"trauma" + 0.011*"fell" + 0.010*"motor"'),
  (17,
   '0.023*"past" + 0.023*"report" + 0.021*"month" + 0.017*"prior" + '
   '0.015*"symptom" + 0.015*"state" + 0.015*"having" + 0.014*"drug" + '
   '0.012*"episode" + 0.012*"noted" + 0.011*"felt" + 0.010*"note" + '
   '0.010*"chest" + 0.008*"significant" + 0.008*"today"'),
  (18,
   '0.059*"blood" + 0.037*"unit" + 0.036*"pressure" + 0.029*"emergency" + '
   '0.025*"transferred" + 0.024*"room" + 0.021*"given" + 0.017*"started" +
'
   '0.017*"department" + 0.016*"received" + 0.016*"found" + 0.013*"post" +
'
   '0.012*"drip" + 0.012*"noted" + 0.012*"insulin"'),
  (19,
   '0.037*"clear" + 0.031*"abdomen" + 0.031*"sound" + 0.029*"normal" + '
   '0.028*"bowel" + 0.027*"regular" + 0.025*"distended" + 0.024*"general" +
'
   '0.024*"tender" + 0.023*"lung" + 0.022*"rate" + 0.022*"bilaterally" + '
   '0.022*"murmur" + 0.020*"distress" + 0.019*"rhythm"')]
```

Mortality 39 Topics

```
[(0,
   '0.104*"artery" + 0.087*"coronary" + 0.077*"disease" + '
   '0.038*"catheterization" + 0.033*"post" + 0.033*"stent" +
0.029*"cardiac" + '
   '0.024*"bypass" + 0.023*"infarction" + 0.022*"vessel" +
0.021*"myocardial" + '
   '0.020*"left" + 0.018*"graft" + 0.017*"anterior" + 0.016*"stenosis"'),
  (1,
   '0.105*"blood" + 0.096*"emergency" + 0.077*"post" + 0.059*"pressure" + '
   '0.056*"department" + 0.050*"unit" + 0.029*"intensive" + 0.027*"outside"
+ '
   '0.025*"liter" + 0.024*"hematocrit" + 0.023*"rate" + 0.020*"intravenous"
+ '
   '0.013*"oxygen" + 0.013*"saline" + 0.012*"responded"'),
  (2,
   '0.262*"intubated" + 0.067*"unresponsive" + 0.058*"airway" +
0.044*"found" + '
```

```
   '0.033*"agitated" + 0.030*"protection" + 0.026*"unknown" + 0.022*"staff"
+ '
   '0.020*"reportedly" + 0.016*"ativan" + 0.015*"versed" + 0.014*"implant"
+ '
   '0.013*"narcotic" + 0.013*"narcan" + 0.013*"lidocaine"'),
  (3,
   '0.044*"neuro" + 0.044*"neck" + 0.036*"skin" + 0.034*"edema" +
0.027*"eomi" '
   '+ 0.027*"pulse" + 0.027*"lung" + 0.026*"intact" + 0.024*"perrl" + '
   '0.021*"supple" + 0.018*"ctab" + 0.017*"murmur" + 0.016*"clear" + '
   '0.015*"warm" + 0.015*"pulm"'),
  (4,
   '0.076*"fall" + 0.072*"fracture" + 0.063*"head" + 0.028*"trauma" + '
   '0.028*"fell" + 0.025*"injury" + 0.021*"spine" + 0.018*"motor" + '
   '0.016*"consciousness" + 0.016*"hematoma" + 0.016*"loss" +
0.013*"outside" + '
   '0.012*"frontal" + 0.012*"laceration" + 0.011*"midline"'),
  (5,
   '0.113*"breath" + 0.080*"shortness" + 0.046*"copd" + 0.046*"dyspnea" + '
   '0.034*"chest" + 0.034*"cough" + 0.028*"worsening" + 0.023*"lasix" + '
   '0.021*"increased" + 0.021*"bipap" + 0.020*"pulmonary" +
0.019*"increasing" '
   '+ 0.018*"oxygen" + 0.017*"exertion" + 0.015*"hypoxia"'),
  (6,
   '0.075*"chronic" + 0.059*"disease" + 0.047*"heart" + 0.046*"failure" + '
   '0.041*"atrial" + 0.040*"renal" + 0.036*"fibrillation" + '
   '0.030*"hypertension" + 0.029*"post" + 0.027*"coumadin" +
0.026*"pulmonary" '
   '+ 0.018*"afib" + 0.018*"baseline" + 0.016*"obstructive" +
0.015*"anemia"'),
  (7,
   '0.065*"mental" + 0.046*"unable" + 0.045*"command" + 0.042*"question" +
'
   '0.037*"dementia" + 0.031*"eye" + 0.023*"nursing" + 0.022*"moving" + '
   '0.020*"baseline" + 0.018*"lethargic" + 0.018*"voice" + 0.017*"appeared"
+ '
   '0.017*"somnolent" + 0.017*"arousable" + 0.016*"answer"'),
  (8,
   '0.044*"alive" + 0.034*"mucus" + 0.028*"dilaudid" + 0.027*"demerol" + '
   '0.024*"vat" + 0.023*"somewhat" + 0.023*"receive" + 0.023*"wire" + '
   '0.023*"collateral" + 0.022*"young" + 0.021*"probable" + 0.019*"reveals"
+ '
   '0.019*"autoimmune" + 0.018*"thursday" + 0.018*"american"'),
  (9,
   '0.096*"sleep" + 0.076*"obesity" + 0.052*"apnea" + 0.033*"lethargy" + '
   '0.031*"awoke" + 0.028*"segment" + 0.026*"obese" + 0.022*"morbid" + '
   '0.020*"sensitive" + 0.019*"collapse" + 0.019*"gallbladder" +
0.017*"struck" '
   '+ 0.016*"resistant" + 0.015*"look" + 0.015*"valium"'),
  (10,
   '0.116*"aortic" + 0.068*"valve" + 0.064*"stenosis" + 0.056*"mitral" + '
   '0.038*"aneurysm" + 0.035*"regurgitation" + 0.034*"replacement" + '
   '0.031*"echocardiogram" + 0.022*"severe" + 0.022*"moderate" +
0.019*"mild" + '
```

```
    '0.015*"heart" + 0.014*"showed" + 0.014*"ventricular" +
0.014*"dyspnea"'),
  (11,
   '0.234*"seizure" + 0.070*"disorder" + 0.034*"ambulance" + 0.032*"lost" +
'
   '0.028*"witnessed" + 0.026*"episode" + 0.024*"activity" + 0.020*"single"
+ '
   '0.020*"syncopal" + 0.018*"lasting" + 0.017*"event" +
0.015*"hypothyroid" + '
   '0.014*"compared" + 0.013*"epilepsy" + 0.013*"supine"'),
  (12,
   '0.066*"sign" + 0.038*"urinary" + 0.034*"vital" + 0.030*"bladder" + '
   '0.025*"infection" + 0.024*"normal" + 0.022*"catheter" +
0.017*"quadrant" + '
   '0.017*"temperature" + 0.017*"regimen" + 0.016*"tract" + 0.015*"urine" +
'
   '0.015*"abnormal" + 0.014*"apparent" + 0.014*"recurrent"'),
  (13,
   '0.060*"icterus" + 0.054*"scleral" + 0.040*"bronchoscopy" + '
   '0.034*"extension" + 0.025*"pack" + 0.025*"atraumatic" + 0.024*"leading"
+ '
   '0.021*"normocephalic" + 0.019*"conjunctival" + 0.019*"psych" + '
   '0.018*"assessment" + 0.018*"pedis" + 0.018*"latex" + 0.017*"dorsalis" +
'
   '0.016*"airway"'),
  (14,
   '0.074*"cath" + 0.067*"cabg" + 0.036*"distal" + 0.033*"proximal" + '
   '0.033*"cardiac" + 0.026*"stenting" + 0.025*"echo" + 0.023*"femoral" + '
   '0.022*"stenosis" + 0.021*"occlusion" + 0.021*"pacemaker" +
0.020*"placed" + '
   '0.020*"plavix" + 0.019*"nitro" + 0.019*"pericardial"'),
  (15,
   '0.075*"last" + 0.045*"surgery" + 0.035*"hypertension" + 0.033*"first" +
'
   '0.026*"stitle" + 0.025*"past" + 0.022*"severe" + 0.022*"doctor" + '
   '0.021*"hyperlipidemia" + 0.021*"hypercholesterolemia" +
0.020*"surgical" + '
   '0.017*"month" + 0.017*"hernia" + 0.017*"repair" + 0.017*"disease"'),
  (16,
   '0.051*"pancreatic" + 0.037*"bright" + 0.033*"pale" + 0.029*"pulse" + '
   '0.029*"flank" + 0.028*"well" + 0.027*"mmhg" + 0.025*"cardiovascular" +
'
   '0.024*"assessed" + 0.022*"nsaid" + 0.021*"colitis" + 0.021*"normal" + '
   '0.021*"absent" + 0.017*"extremity" + 0.017*"appearance"'),
  (17,
   '0.060*"headache" + 0.031*"extrem" + 0.024*"neck" + 0.024*"speech" + '
   '0.023*"numbness" + 0.022*"awake" + 0.020*"vision" + 0.020*"alert" + '
   '0.020*"cooperative" + 0.019*"bilaterally" + 0.018*"hearing" + '
   '0.018*"oriented" + 0.017*"dysarthria" + 0.017*"intact" +
0.016*"perfused"'),
  (18,
   '0.210*"diabetes" + 0.124*"type" + 0.089*"mellitus" + 0.074*"insulin" +
'
   '0.046*"neuropathy" + 0.025*"ablation" + 0.018*"peripheral" + '
```

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  '0.017*"flutter" + 0.017*"diabetic" + 0.016*"hypertension" + '
  '0.015*"retinopathy" + 0.014*"calcium" + 0.013*"hyperkalemia" +
0.012*"show" '
  '+ 0.011*"sugar"'),
 (19,
  '0.044*"clear" + 0.041*"sound" + 0.036*"abdomen" + 0.031*"bowel" + '
  '0.030*"normal" + 0.029*"general" + 0.028*"lung" + 0.027*"tender" + '
  '0.027*"regular" + 0.027*"bilaterally" + 0.025*"murmur" +
0.025*"distended" '
  '+ 0.024*"rate" + 0.023*"alert" + 0.023*"oriented"'),
 (20,
  '0.121*"liver" + 0.065*"cirrhosis" + 0.049*"hepatitis" + 0.035*"ascites"
+ '
  '0.034*"varix" + 0.032*"hepatic" + 0.025*"transplant" + 0.024*"biliary"
+ '
  '0.020*"grade" + 0.020*"encephalopathy" + 0.016*"ventral" + '
  '0.016*"asterixis" + 0.014*"overload" + 0.013*"jaundice" + '
  '0.012*"lobectomy"'),
 (21,
  '0.107*"abuse" + 0.090*"etoh" + 0.065*"alcohol" + 0.035*"depression" + '
  '0.034*"bipolar" + 0.032*"disorder" + 0.031*"attempt" + 0.028*"drinking"
+ '
  '0.023*"withdrawal" + 0.021*"drink" + 0.020*"suicide" + 0.017*"heavy" +
'
  '0.014*"screen" + 0.014*"overdose" + 0.013*"polysubstance"'),
 (22,
  '0.164*"father" + 0.163*"mother" + 0.148*"died" + 0.082*"brother" + '
  '0.073*"cancer" + 0.071*"sister" + 0.025*"child" + 0.020*"deceased" + '
  '0.017*"sibling" + 0.008*"osteopenia" + 0.007*"appointment" + '
  '0.007*"remarkable" + 0.006*"double" + 0.006*"problem" + 0.006*"lbbb"'),
 (23,
  '0.057*"intact" + 0.048*"sensation" + 0.039*"strength" +
0.032*"bilaterally" '
  '+ 0.032*"pupil" + 0.030*"light" + 0.030*"normal" + 0.025*"reflex" + '
  '0.024*"reactive" + 0.023*"gait" + 0.021*"extremity" + 0.019*"movement"
+ '
  '0.018*"symmetric" + 0.018*"motor" + 0.018*"finger"'),
 (24,
  '0.079*"denies" + 0.044*"fever" + 0.040*"nausea" + 0.034*"vomiting" + '
  '0.029*"chill" + 0.026*"diarrhea" + 0.026*"abdominal" + 0.022*"denied" +
'
  '0.021*"cough" + 0.021*"report" + 0.019*"recent" + 0.018*"night" + '
  '0.016*"state" + 0.015*"headache" + 0.014*"loss"'),
 (25,
  '0.109*"abdominal" + 0.026*"esophageal" + 0.026*"colon" + '
  '0.025*"pancreatitis" + 0.025*"emesis" + 0.021*"rectal" + 0.020*"ercp" +
'
  '0.017*"epigastric" + 0.017*"ground" + 0.017*"stent" + 0.015*"coffee" +
'
  '0.014*"drain" + 0.014*"prbcs" + 0.014*"portal" +
0.013*"diverticulitis"'),
 (26,
  '0.059*"tube" + 0.041*"rehab" + 0.035*"foot" + 0.034*"wound" +
0.033*"ulcer" '
```

```
 '+ 0.032*"placement" + 0.028*"place" + 0.027*"drainage" + 0.026*"trach"
+ '
  '0.023*"mrsa" + 0.022*"erythema" + 0.021*"site" + 0.016*"infection" + '
  '0.015*"course" + 0.014*"tissue"'),
 (27,
  '0.033*"cardiac" + 0.025*"review" + 0.023*"system" + 0.021*"denies" + '
  '0.016*"pink" + 0.015*"chest" + 0.015*"conjunctiva" + 0.014*"stool" + '
  '0.013*"factor" + 0.013*"sclera" + 0.013*"ncat" + 0.013*"mucosa" + '
  '0.013*"dyspnea" + 0.013*"pallor" + 0.012*"cyanosis"'),
 (28,
  '0.036*"stroke" + 0.032*"weakness" + 0.027*"daughter" + 0.025*"called" +
'
  '0.025*"noted" + 0.022*"wife" + 0.022*"head" + 0.015*"state" + '
  '0.014*"hemorrhage" + 0.014*"brain" + 0.014*"morning" +
0.013*"difficulty" + '
  '0.013*"husband" + 0.012*"health" + 0.011*"went"'),
 (29,
  '0.050*"given" + 0.023*"received" + 0.023*"started" + 0.023*"placed" + '
  '0.020*"transfer" + 0.017*"arrival" + 0.016*"respiratory" + 0.015*"micu"
+ '
  '0.013*"hypotension" + 0.012*"initial" + 0.012*"showed" + 0.011*"floor"
+ '
  '0.010*"blood" + 0.010*"pneumonia" + 0.009*"intubation"'),
 (30,
  '0.149*"chest" + 0.042*"episode" + 0.039*"pressure" + 0.024*"associated"
+ '
  '0.024*"heparin" + 0.021*"started" + 0.019*"went" + 0.019*"showed" + '
  '0.019*"drip" + 0.018*"given" + 0.018*"aspirin" + 0.017*"resolved" + '
  '0.017*"prior" + 0.017*"minute" + 0.017*"symptom"'),
 (31,
  '0.087*"cancer" + 0.043*"breast" + 0.035*"mass" + 0.035*"cell" + '
  '0.030*"resection" + 0.028*"biopsy" + 0.027*"radiation" + 0.025*"lung" +
'
  '0.023*"therapy" + 0.022*"carcinoma" + 0.021*"metastatic" + '
  '0.020*"diagnosed" + 0.020*"tumor" + 0.019*"cycle" +
0.018*"chemotherapy"'),
 (32,
  '0.054*"transferred" + 0.054*"drug" + 0.040*"found" + 0.038*"presented"
+ '
  '0.037*"having" + 0.024*"recorded" + 0.023*"male" + 0.020*"showed" + '
  '0.019*"this" + 0.019*"significant" + 0.018*"evaluation" + 0.017*"room"
+ '
  '0.016*"there" + 0.015*"stable" + 0.015*"revealed"'),
 (33,
  '0.034*"report" + 0.030*"extremity" + 0.029*"mild" + 0.021*"lower" + '
  '0.021*"edema" + 0.018*"decreased" + 0.015*"today" + 0.015*"bilateral" +
'
  '0.014*"asthma" + 0.014*"crackle" + 0.013*"upper" + 0.012*"base" + '
  '0.011*"swelling" + 0.010*"baseline" + 0.009*"diffuse"'),
 (34,
  '0.048*"noted" + 0.039*"prior" + 0.032*"negative" + 0.025*"month" + '
  '0.024*"multiple" + 0.022*"treated" + 0.021*"recently" + 0.020*"past" +
'
  '0.019*"note" + 0.018*"recent" + 0.015*"seen" + 0.015*"positive" + '
```

```
   '0.014*"increased" + 0.013*"possible" + 0.012*"started"'),
 (35,
  '0.249*"left" + 0.233*"right" + 0.027*"sided" + 0.022*"showed" + '
  '0.021*"lower" + 0.021*"lobe" + 0.012*"primary" + 0.011*"residual" + '
  '0.010*"partial" + 0.010*"bilateral" + 0.010*"there" + 0.010*"posterior"
+ '
  '0.009*"vein" + 0.009*"lesion" + 0.009*"stone"'),
 (36,
  '0.055*"blood" + 0.054*"bleeding" + 0.052*"stool" + 0.047*"bleed" + '
  '0.033*"unit" + 0.025*"anemia" + 0.023*"episode" + 0.021*"ulcer" + '
  '0.019*"gastric" + 0.018*"colonoscopy" + 0.016*"transfusion" + '
  '0.016*"guaiac" + 0.016*"hematemesis" + 0.016*"melena" + 0.015*"clot"'),
 (37,
  '0.034*"esrd" + 0.033*"transplant" + 0.030*"dialysis" + 0.030*"abscess"
+ '
  '0.027*"fistula" + 0.026*"infection" + 0.026*"line" + 0.025*"stage" + '
  '0.024*"hemodialysis" + 0.024*"renal" + 0.019*"amputation" + '
  '0.018*"bacteremia" + 0.017*"complicated" + 0.015*"culture" +
0.014*"picc"'),
 (38,
  '0.086*"effusion" + 0.046*"pleural" + 0.036*"iodine" + 0.027*"cocaine" +
'
  '0.020*"maternal" + 0.018*"containing" + 0.018*"aunt" + 0.017*"uncle" +
'
  '0.014*"squamous" + 0.013*"hemoptysis" + 0.013*"grandmother" + '
  '0.012*"malignant" + 0.012*"bronchus" + 0.012*"undergo" +
0.012*"stem"')]
```