**Appendix Figure 1.** Map of New York State showing Different Regions and Counties Within Them.



**Appendix Table 1.** ICD-10 Principal Diagnosis Codes for Medical Conditions

|  |  |
| --- | --- |
| **ICD-10** | **Description** |
| **Acute Myocardial Infarction** |
| I2101 | ST elevation (STEMI) myocardial infarction involving left main coronary artery |
| I2102 | ST elevation (STEMI) myocardial infarction involving left anterior descending coronary artery |
| I2109 | ST elevation (STEMI) myocardial infarction involving other coronary artery of anterior wall |
| I2111 | ST elevation (STEMI) myocardial infarction involving right coronary artery |
| I2119 | ST elevation (STEMI) myocardial infarction involving other coronary artery of inferior wall |
| I2121 | ST elevation (STEMI) myocardial infarction involving left circumflex coronary artery |
| I2129 | ST elevation (STEMI) myocardial infarction involving other sites |
| I213 | ST elevation (STEMI) myocardial infarction of unspecified site |
| I214 | Non-ST elevation (NSTEMI) myocardial infarction |
| I220 | Subsequent ST elevation (STEMI) myocardial infarction of anterior wall |
| I221 | Subsequent ST elevation (STEMI) myocardial infarction of inferior wall |
| I222 | Subsequent non-ST elevation (NSTEMI) myocardial infarction |
| I228 | Subsequent ST elevation (STEMI) myocardial infarction of other sites |
| I229 | Subsequent ST elevation (STEMI) myocardial infarction of unspecified site |
| **Congestive Heart Failure** |
| I110 | Hypertensive heart disease with heart failure |
| I130 | Hypertensive heart and chronic kidney disease with heart failure and stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease |
| I132 | Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease |
| I501 | Left ventricular failure |
| I5020 | Unspecified systolic (congestive) heart failure |
| I5021 | Acute systolic (congestive) heart failure |
| I5022 | Chronic systolic (congestive) heart failure |
| I5023 | Acute on chronic systolic (congestive) heart failure |
| I5030 | Unspecified diastolic (congestive) heart failure |
| I5031 | Acute diastolic (congestive) heart failure |
| I5032 | Chronic diastolic (congestive) heart failure |
| I5033 | Acute on chronic diastolic (congestive) heart failure |
| I5040 | Unspecified combined systolic (congestive) and diastolic (congestive) heart failure |
| I5041 | Acute combined systolic (congestive) and diastolic (congestive) heart failure |
| I5042 | Chronic combined systolic (congestive) and diastolic (congestive) heart failure |
| I5043 | Acute on chronic combined systolic (congestive) and diastolic (congestive) heart failure |
| I509 | Heart failure, unspecified |
| **Pneumonia** |
| A481 | Legionnaires' disease |
| J1000 | Influenza due to other identified influenza virus with unspecified type of pneumonia |
| J1001 | Influenza due to other identified influenza virus with the same other identified influenza virus pneumonia |
| J1008 | Influenza due to other identified influenza virus with other specified pneumonia |
| J1100 | Influenza due to unidentified influenza virus with unspecified type of pneumonia |
| J1108 | Influenza due to unidentified influenza virus with specified pneumonia |
| J120 | Adenoviral pneumonia |
| J121 | Respiratory syncytial virus pneumonia |
| J122 | Parainfluenza virus pneumonia |
| J123 | Human metapneumovirus pneumonia |
| J1281 | Pneumonia due to SARS-associated coronavirus |
| J1289 | Other viral pneumonia |
| J129 | Viral pneumonia, unspecified |
| J13 | Pneumonia due to Streptococcus pneumoniae |
| J14 | Pneumonia due to Hemophilus influenzae |
| J150 | Pneumonia due to Klebsiella pneumoniae |
| J151 | Pneumonia due to Pseudomonas |
| J1520 | Pneumonia due to staphylococcus, unspecified |
| J15211 | Pneumonia due to Methicillin susceptible Staphylococcus aureus |
| J15212 | Pneumonia due to Methicillin resistant Staphylococcus aureus |
| J1529 | Pneumonia due to other staphylococcus |
| J153 | Pneumonia due to streptococcus, group B |
| J154 | Pneumonia due to other streptococci |
| J155 | Pneumonia due to Escherichia coli |
| J156 | Pneumonia due to other aerobic Gram-negative bacteria |
| J157 | Pneumonia due to Mycoplasma pneumoniae |
| J158 | Pneumonia due to other specified bacteria |
| J159 | Unspecified bacterial pneumonia |
| J160 | Chlamydial pneumonia |
| J168 | Pneumonia due to other specified infectious organisms |
| J180 | Bronchopneumonia, unspecified organism |
| J181 | Lobar pneumonia, unspecified organism |
| J188 | Other pneumonia, unspecified organism |
| J189 | Pneumonia, unspecified organism |
| J690 | Pneumonitis due to inhalation of food and vomit |
| **Stroke** |
| G463 | Brain stem stroke syndrome |
| G464 | Cerebellar stroke syndrome |
| G465 | Pure motor lacunar syndrome |
| G466 | Pure sensory lacunar syndrome |
| G467 | Other lacunar syndromes |
| G468 | Other vascular syndromes of brain in cerebrovascular diseases |
| I6300 | Cerebral infarction due to thrombosis of unspecified precerebral artery |
| I63011 | Cerebral infarction due to thrombosis of right vertebral artery |
| I63012 | Cerebral infarction due to thrombosis of left vertebral artery |
| I63019 | Cerebral infarction due to thrombosis of unspecified vertebral artery |
| I6302 | Cerebral infarction due to thrombosis of basilar artery |
| I63031 | Cerebral infarction due to thrombosis of right carotid artery |
| I63032 | Cerebral infarction due to thrombosis of left carotid artery |
| I63039 | Cerebral infarction due to thrombosis of unspecified carotid artery |
| I6309 | Cerebral infarction due to thrombosis of other precerebral artery |
| I6310 | Cerebral infarction due to embolism of unspecified precerebral artery |
| I63111 | Cerebral infarction due to embolism of right vertebral artery |
| I63112 | Cerebral infarction due to embolism of left vertebral artery |
| I63119 | Cerebral infarction due to embolism of unspecified vertebral artery |
| I6312 | Cerebral infarction due to embolism of basilar artery |
| I63131 | Cerebral infarction due to embolism of right carotid artery |
| I63132 | Cerebral infarction due to embolism of left carotid artery |
| I63139 | Cerebral infarction due to embolism of unspecified carotid artery |
| I6319 | Cerebral infarction due to embolism of other precerebral artery |
| I6320 | Cerebral infarction due to unspecified occlusion or stenosis of unspecified precerebral arteries |
| I63211 | Cerebral infarction due to unspecified occlusion or stenosis of right vertebral arteries |
| I63212 | Cerebral infarction due to unspecified occlusion or stenosis of left vertebral arteries |
| I63219 | Cerebral infarction due to unspecified occlusion or stenosis of unspecified vertebral arteries |
| I6322 | Cerebral infarction due to unspecified occlusion or stenosis of basilar arteries |
| I63231 | Cerebral infarction due to unspecified occlusion or stenosis of right carotid arteries |
| I63232 | Cerebral infarction due to unspecified occlusion or stenosis of left carotid arteries |
| I63239 | Cerebral infarction due to unspecified occlusion or stenosis of unspecified carotid arteries |
| I6329 | Cerebral infarction due to unspecified occlusion or stenosis of other precerebral arteries |
| I6330 | Cerebral infarction due to thrombosis of unspecified cerebral artery |
| I63311 | Cerebral infarction due to thrombosis of right middle cerebral artery |
| I63312 | Cerebral infarction due to thrombosis of left middle cerebral artery |
| I63319 | Cerebral infarction due to thrombosis of unspecified middle cerebral artery |
| I63321 | Cerebral infarction due to thrombosis of right anterior cerebral artery |
| I63322 | Cerebral infarction due to thrombosis of left anterior cerebral artery |
| I63329 | Cerebral infarction due to thrombosis of unspecified anterior cerebral artery |
| I63331 | Cerebral infarction due to thrombosis of right posterior cerebral artery |
| I63332 | Cerebral infarction due to thrombosis of left posterior cerebral artery |
| I63339 | Cerebral infarction due to thrombosis of unspecified posterior cerebral artery |
| I63341 | Cerebral infarction due to thrombosis of right cerebellar artery |
| I63342 | Cerebral infarction due to thrombosis of left cerebellar artery |
| I63349 | Cerebral infarction due to thrombosis of unspecified cerebellar artery |
| I6339 | Cerebral infarction due to thrombosis of other cerebral artery |
| I6340 | Cerebral infarction due to embolism of unspecified cerebral artery |
| I63411 | Cerebral infarction due to embolism of right middle cerebral artery |
| I63412 | Cerebral infarction due to embolism of left middle cerebral artery |
| I63419 | Cerebral infarction due to embolism of unspecified middle cerebral artery |
| I63421 | Cerebral infarction due to embolism of right anterior cerebral artery |
| I63422 | Cerebral infarction due to embolism of left anterior cerebral artery |
| I63429 | Cerebral infarction due to embolism of unspecified anterior cerebral artery |
| I63431 | Cerebral infarction due to embolism of right posterior cerebral artery |
| I63432 | Cerebral infarction due to embolism of left posterior cerebral artery |
| I63439 | Cerebral infarction due to embolism of unspecified posterior cerebral artery |
| I63441 | Cerebral infarction due to embolism of right cerebellar artery |
| I63442 | Cerebral infarction due to embolism of left cerebellar artery |
| I63449 | Cerebral infarction due to embolism of unspecified cerebellar artery |
| I6349 | Cerebral infarction due to embolism of other cerebral artery |
| I6350 | Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebral artery |
| I63511 | Cerebral infarction due to unspecified occlusion or stenosis of right middle cerebral artery |
| I63512 | Cerebral infarction due to unspecified occlusion or stenosis of left middle cerebral artery |
| I63519 | Cerebral infarction due to unspecified occlusion or stenosis of unspecified middle cerebral artery |
| I63521 | Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery |
| I63522 | Cerebral infarction due to unspecified occlusion or stenosis of left anterior cerebral artery |
| I63529 | Cerebral infarction due to unspecified occlusion or stenosis of unspecified anterior cerebral artery |
| I63531 | Cerebral infarction due to unspecified occlusion or stenosis of right posterior cerebral artery |
| I63532 | Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery |
| I63539 | Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral artery |
| I63541 | Cerebral infarction due to unspecified occlusion or stenosis of right cerebellar artery |
| I63542 | Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar artery |
| I63549 | Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar artery |
| I6359 | Cerebral infarction due to unspecified occlusion or stenosis of other cerebral artery |
| I636 | Cerebral infarction due to cerebral venous thrombosis, nonpyogenic |
| I638 | Other cerebral infarction |
| I639 | Cerebral infarction, unspecified |
| I6781 | Acute cerebrovascular insufficiency |
| I6782 | Cerebral ischemia |
| I6789 | Other cerebrovascular disease |
| I680 | Cerebral amyloid angiopathy |
| I688 | Other cerebrovascular disorders in diseases classified elsewhere |
| **Sepsis** |
| A021 | Salmonella sepsis |
| A227 | Anthrax sepsis |
| A267 | Erysipelothrix sepsis |
| A327 | Listerial sepsis |
| A400 | Sepsis due to streptococcus, group A |
| A401 | Sepsis due to streptococcus, group B |
| A403 | Sepsis due to Streptococcus pneumoniae |
| A408 | Other streptococcal sepsis |
| A409 | Streptococcal sepsis, unspecified |
| A4101 | Sepsis due to Methicillin susceptible Staphylococcus aureus |
| A4102 | Sepsis due to Methicillin resistant Staphylococcus aureus |
| A411 | Sepsis due to other specified staphylococcus |
| A412 | Sepsis due to unspecified staphylococcus |
| A413 | Sepsis due to Hemophilus influenzae |
| A414 | Sepsis due to anaerobes |
| A4150 | Gram-negative sepsis, unspecified |
| A4151 | Sepsis due to Escherichia coli [E. coli] |
| A4152 | Sepsis due to Pseudomonas |
| A4153 | Sepsis due to Serratia |
| A4159 | Other Gram-negative sepsis |
| A4181 | Sepsis due to Enterococcus |
| A4189 | Other specified sepsis |
| A419 | Sepsis, unspecified organism |
| A427 | Actinomycotic sepsis |
| A5486 | Gonococcal sepsis |
| B377 | Candidal sepsis |
| R6520 | Severe sepsis without septic shock |
| R6521 | Severe sepsis with septic shock |
| R7881 | Bacteremia |

**Appendix Table 2.** DRG Codes for Surgical Procedures

|  |  |
| --- | --- |
| **DRG Code** | **Description** |
| **General Surgery** |
| 326 | Stomach, esophageal & duodenal proc w MCC |
| 327 | Stomach, esophageal & duodenal proc w CC |
| 328 | Stomach, esophageal & duodenal proc w/o CC/MCC |
| 329 | Major small & large bowel procedures w MCC |
| 330 | Major small & large bowel procedures w CC |
| 331 | Major small & large bowel procedures w/o CC/MCC |
| 332 | Rectal resection w MCC |
| 333 | Rectal resection w CC |
| 334 | Rectal resection w/o CC/MCC |
| 335 | Peritoneal adhesiolysis w MCC |
| 336 | Peritoneal adhesiolysis w CC |
| 337 | Peritoneal adhesiolysis w/o CC/MCC |
| 338 | Appendectomy w complicated principal diag w MCC |
| 339 | Appendectomy w complicated principal diag w CC |
| 340 | Appendectomy w complicated principal diag w/o CC/MCC |
| 341 | Appendectomy w/o complicated principal diag w MCC |
| 342 | Appendectomy w/o complicated principal diag w CC |
| 343 | Appendectomy w/o complicated principal diag w/o CC/MCC |
| 344 | Minor small & large bowel procedures w MCC |
| 345 | Minor small & large bowel procedures w CC |
| 346 | Minor small & large bowel procedures w/o CC/MCC |
| 347 | Anal & stomal procedures w MCC |
| 348 | Anal & stomal procedures w CC |
| 349 | Anal & stomal procedures w/o CC/MCC |
| 350 | Inguinal & femoral hernia procedures w MCC |
| 351 | Inguinal & femoral hernia procedures w CC |
| 352 | Inguinal & femoral hernia procedures w/o CC/MCC |
| 353 | Hernia procedures except inguinal & femoral w MCC |
| 354 | Hernia procedures except inguinal & femoral w CC |
| 355 | Hernia procedures except inguinal & femoral w/o CC/MCC |
| 356 | Other digestive system O.R. procedures w MCC |
| 357 | Other digestive system O.R. procedures w CC |
| 358 | Other digestive system O.R. procedures w/o CC/MCC |
| 405 | Pancreas, liver & shunt procedures w MCC |
| 406 | Pancreas, liver & shunt procedures w CC |
| 407 | Pancreas, liver & shunt procedures w/o CC/MCC |
| 408 | Biliary tract proc except only cholecyst w or w/o CDE w MCC |
| 409 | Biliary tract proc except only cholecyst w or w/o CDE w CC |
| 410 | Biliary tract proc except only cholecyst w or w/o CDE w/o CC/MCC |
| 411 | Cholecystectomy w CDE w MCC |
| 412 | Cholecystectomy w CDE w CC |
| 413 | Cholecystectomy w CDE w/o CC/MCC |
| 414 | Cholecystectomy except by laparoscope w/o CDE w MCC |
| 415 | Cholecystectomy except by laparoscope w/o CDE w CC |
| 416 | Cholecystectomy except by laparoscope w/o CDE w/o CC/MCC |
| 417 | Laparoscopic cholecystectomy w/o CDE w MCC |
| 418 | Laparoscopic cholecystectomy w/o CDE w CC |
| 419 | Laparoscopic cholecystectomy w/o CDE w/o CC/MCC |
| 420 | Hepatobiliary diagnostic procedures w MCC |
| 421 | Hepatobiliary diagnostic procedures w CC |
| 422 | Hepatobiliary diagnostic procedures w/o CC/MCC |
| 423 | Other Hepatobiliary or pancreas O.R. procedures w MCC |
| 424 | Other Hepatobiliary or pancreas O.R. procedures w CC |
| 425 | Other Hepatobiliary or pancreas O.R. procedures w/o MCC/CC |
| 573 | Skin graft &/or debrid for skin ulcer or cellulitis w MCC |
| 574 | Skin graft &/or debrid for skin ulcer or cellulitis w CC |
| 575 | Skin graft &/or debrid for skin ulcer or cellulitis w/o MCC/CC |
| 576 | Skin graft &/or debrid except for skin ulcer or cellulitis w MCC |
| 577 | Skin graft &/or debrid except for skin ulcer or cellulitis w CC |
| 578 | Skin graft &/or debrid except for skin ulcer or cellulitis w/o MCC/CC |
| 579 | Other skin, subcutaneous tissue & breast plastic procedures w MCC |
| 580 | Other skin, subcutaneous tissue & breast plastic procedures w CC |
| 581 | Other skin, subcutaneous tissue & breast plastic procedures w/o MCC/CC |
| 582 | Mastectomy for malignancy w CC/MCC |
| 583 | Mastectomy for malignancy w/o CC/MCC |
| 584 | Breast biopsy, local excision & other breast procedures w CC/MCC |
| 585 | Breast biopsy, local excision & other breast procedures w/o CC/MCC |
| 614 | Adrenal & pituitary procedures w CC/MCC |
| 615 | Adrenal & pituitary procedures w/o CC/MCC |
| 619 | O.R. procedures for obesity w MCC |
| 620 | O.R. procedures for obesity w CC |
| 621 | O.R. procedures for obesity w/o CC/MCC |
| 622 | Skin grafts & wound debrid for endoc, nutrit & metab dis w MCC |
| 623 | Skin grafts & wound debrid for endoc, nutrit & metab dis w CC |
| 624 | Skin grafts & wound debrid for endoc, nutrit & metab dis w/o CC/MCC |
| 625 | Thyroid, parathyroid & thyroglossal procedures w MCC |
| 626 | Thyroid, parathyroid & thyroglossal procedures w CC |
| 627 | Thyroid, parathyroid & thyroglossal procedures w/o CC/MCC |
| 628 | Other endocrine, nutrit & metab O.R. proc w MCC |
| 629 | Other endocrine, nutrit & metab O.R. proc w CC |
| 630 | Other endocrine, nutrit & metab O.R. proc w/o CC/MCC |
| **Orthopedic Surgery** |
| 453 | Combined anterior/posterior spinal fusion w MCC |
| 454 | Combined anterior/posterior spinal fusion w CC |
| 455 | Combined anterior/posterior spinal fusion w/o CC/MCC |
| 456 | Spinal fus exc cerv w spinal curv/malig/infec or 9+ fus w MCC |
| 457 | Spinal fus exc cerv w spinal curv/malig/infec or 9+ fus w CC |
| 459 | Spinal fusion except cervical w MCC |
| 458 | Spinal fus exc cerv w spinal curv/malig/infec or 9+ fus w/o CC/MCC |
| 460 | Spinal fusion except cervical w/o MCC |
| 461 | Bilateral or multiple major joint procs of lower extremity w MCC |
| 462 | Bilateral or multiple major joint procs of lower extremity w/o MCC |
| 463 | Wnd debrid & skn grft exc hand, for musculo-conn tiss dis w MCC |
| 464 | Wnd debrid & skn grft exc hand, for musculo-conn tiss dis w CC |
| 465 | Wnd debrid & skn grft exc hand, for musculo-conn tiss dis w/o CC/MCC |
| 466 | Revision of hip or knee replacement w MCC |
| 467 | Revision of hip or knee replacement w CC |
| 468 | Revision of hip or knee replacement w/o CC/MCC |
| 469 | Major joint replacement or reattachment of lower extremity w MCC |
| 470 | Major joint replacement or reattachment of lower extremity w/o MCC |
| 471 | Cervical spinal fusion w MCC |
| 472 | Cervical spinal fusion w CC |
| 473 | Cervical spinal fusion w/o CC/MCC |
| 474 | Amputation for musculoskeletal sys & conn tissue dis w MCC |
| 475 | Amputation for musculoskeletal sys & conn tissue dis w CC |
| 476 | Amputation for musculoskeletal sys & conn tissue dis w/o CC/MCC |
| 477 | Biopsies of musculoskeletal system & connective tissue w MCC |
| 478 | Biopsies of musculoskeletal system & connective tissue w CC |
| 479 | Biopsies of musculoskeletal system & connective tissue w/o CC/MCC |
| 480 | Hip & femur procedures except major joint w MCC |
| 481 | Hip & femur procedures except major joint w CC |
| 482 | Hip & femur procedures except major joint w/o CC/MCC |
| 483 | Major joint & limb reattachment proc of upper extremity w CC/MCC |
| 484 | Major joint & limb reattachment proc of upper extremity w/o CC/MCC |
| 485 | Knee procedures w pdx of infection w MCC |
| 486 | Knee procedures w pdx of infection w CC |
| 487 | Knee procedures w pdx of infection w/o CC/MCC |
| 488 | Knee procedures w/o pdx of infection w CC/MCC |
| 489 | Knee procedures w/o pdx of infection w/o CC/MCC |
| 490 | Back & neck proc exc spinal fusion w CC/MCC or disc device/neurostim |
| 491 | Back & neck proc exc spinal fusion w/o CC/MCC |
| 492 | Lower extrem & humer proc except hip, foot, femur w MCC |
| 493 | Lower extrem & humer proc except hip, foot, femur w CC |
| 494 | Lower extrem & humer proc except hip, foot, femur w/o CC/MCC |
| 495 | Local excision & removal int fix devices exc hip & femur w MCC |
| 496 | Local excision & removal int fix devices exc hip & femur w CC |
| 497 | Local excision & removal int fix devices exc hip & femur w/o CC/MCC |
| 498 | Local excision & removal int fix devices of hip & femur w CC/MCC |
| 499 | Local excision & removal int fix devices of hip & femur w/o CC/MCC |
| 500 | Soft tissue procedures w MCC |
| 501 | Soft tissue procedures w CC |
| 502 | Soft tissue procedures w/o CC/MCC |
| 503 | Foot procedures w MCC |
| 504 | Foot procedures w CC |
| 505 | Foot procedures w/o CC/MCC |
| 506 | Major thumb or joint procedures |
| 507 | Major shoulder or elbow joint procedures w CC/MCC |
| 508 | Major shoulder or elbow joint procedures w/o CC/MCC |
| 509 | Arthroscopy |
| 510 | Shoulder, elbow or forearm proc, exc major joint proc w MCC |
| 511 | Shoulder, elbow or forearm proc, exc major joint proc w CC |
| 512 | Shoulder, elbow or forearm proc, exc major joint proc w/o CC/MCC |
| 513 | Hand or wrist proc, except major thumb or joint proc w CC/MCC |
| 514 | Hand or wrist proc, except major thumb or joint proc w/o CC/MCC |
| 515 | Other musculoskelet sys & conn tiss O.R. proc w MCC |
| 516 | Other musculoskelet sys & conn tiss O.R. proc w CC |
| 517 | Other musculoskelet sys & conn tiss O.R. proc w/o CC/MCC |
| **Vascular Surgery** |
| 237 | Major cardiovasc procedures w MCC or thoracic aortic aneurysm repair |
| 238 | Major cardiovasc procedures w/o MCC |
| 239 | Amputation for circ sys disorders exc upper limb & toe w MCC |
| 240 | Amputation for circ sys disorders exc upper limb & toe w CC |
| 241 | Amputation for circ sys disorders exc upper limb & toe w/o CC/MCC |
| 246 | Perc cardiovasc proc w drug-eluting stent w MCC or 4+ vessels/stents |
| 247 | Perc cardiovasc proc w drug-eluting stent w/o MCC |
| 248 | Perc cardiovasc proc w non-drug-eluting stent w MCC or 4+ ves/stents |
| 249 | Perc cardiovasc proc w non-drug-eluting stent w/o MCC |
| 250 | Perc cardiovasc proc w/o coronary artery stent w MCC |
| 251 | Perc cardiovasc proc w/o coronary artery stent w/o MCC |
| 255 | Upper limb & toe amputation for circ system disorders w MCC |
| 256 | Upper limb & toe amputation for circ system disorders w CC |
| 257 | Upper limb & toe amputation for circ system disorders w/o CC/MCC |
| 263 | Vein ligation & stripping |
| 264 | Other circulatory system O.R. procedures |

**Appendix Table 3.** ICU Staffing in Hospitals with Different Characteristics

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  | **ICU Staffing (Patients per Nurse)** |
|  | **Number of Hospitals** | **Percent of Hospitals** | **Mean** | **SD** | **Median** | **Range in Staffing** |
| **Hospital Characteristics** | **Minimum** | **Maximum** |
| **Region** |  |  |  |  |  |  |  |
| 1 Western NY | 10 | 9.0% | 2.5 | 0.4 | 2.4 | 2.0 | 3.1 |
| 2 Finger Lakes | 8 | 7.2% | 2.7 | 0.6 | 2.7 | 2.0 | 4.0 |
| 3 Central | 14 | 12.6% | 2.3 | 0.4 | 2.2 | 1.8 | 3.0 |
| 4 North Eastern | 10 | 9.0% | 2.5 | 0.4 | 2.4 | 2.0 | 3.0 |
| 5 New York City | 34 | 30.6% | 2.7 | 0.5 | 2.5 | 2.0 | 4.3 |
| 6 Mid-Hudson | 17 | 15.3% | 2.5 | 0.4 | 2.4 | 2.0 | 3.5 |
| 7 Nassau-Suffolk | 18 | 16.2% | 2.4 | 0.5 | 2.2 | 1.9 | 3.3 |
|  Total | 111 | 100.0% | 2.5 | 0.5 | 2.5 | 1.8 | 4.3 |
| **Hospital Size** |  |  |  |  |  |  |  |
| <=100 Beds | 11 | 9.9% | 2.4 | 0.4 | 2.5 | 1.8 | 3.0 |
| 101-250 Beds | 32 | 28.8% | 2.6 | 0.5 | 2.5 | 1.8 | 4.0 |
| >250 | 68 | 61.3% | 2.5 | 0.5 | 2.4 | 1.9 | 4.3 |
|  Total | 111 | 100.0% | 2.5 | 0.5 | 2.5 | 1.8 | 4.3 |
| **Teaching Status** |  |  |  |  |  |  |  |
| Non-Teaching | 28 | 26.7% | 2.6 | 0.5 | 2.5 | 2.0 | 4.0 |
| Minor Teaching | 41 | 39.0% | 2.5 | 0.4 | 2.4 | 1.8 | 3.3 |
| Major Teaching | 36 | 34.3% | 2.6 | 0.5 | 2.4 | 1.9 | 4.3 |
|  Total | 105 | 100.0% | 2.5 | 0.5 | 2.5 | 1.8 | 4.3 |
| **Technology**  |  |  |  |  |  |  |  |
| Non-High Technology | 58 | 64.4% | 2.6 | 0.5 | 2.5 | 1.8 | 4.3 |
| High Technology | 32 | 35.6% | 2.4 | 0.3 | 2.3 | 1.9 | 3.3 |
|  Total | 90 | 100.0% | 2.5 | 0.5 | 2.5 | 1.8 | 4.3 |
|  |  |  |  |  |  |  |  |
|  | **Number of Nurses** | **Number of Hospitals** | **Surveyed Nurses per Hospital** |
| **Mean** | **SD** | **Median** | **Minimum** | **Maximum** |
| **Number of ICU Nurses**  | 1359 | 116 | 11.7 | 14.8 | 7.0 | 0 | 90 |

**Notes.** Numbers and summary statistics for ICU nurses surveyed (in the last row of the table) are based on all 116 study hospitals. Staffing numbers are for the 111 hospitals for which we had two or more ICU nurses that could be used to estimate staffing. With respect to teaching status and technology, hospitals for which data on those characteristics were missing are omitted.