HCUP Summary Statistics Report: NIS 2022 Severity File Means of Continuous Data Elements

Variable / Label	Ν	Minimum	Maximum	Mean	Median	Sum
HOSP_NIS : NIS hospital number	6,578,372	10,001	90,528	51,521.6	50,368	338,928,046,852
APRDRG : All Patient Refined DRG	6,578,372	1	956	413.4	403	2,719,233,103
APRDRG_Risk_Mortality : All Patient Refined DRG: Risk of Mortality Subclass	6,578,372	0	4	1.9	2	12,794,394
APRDRG_Severity : All Patient Refined DRG: Severity of Illness Subclass	6,578,372	0	4	2.2	2	14,472,311

APRDRG	Frequency	Percent of Total
1: Liver transplant and/or intestinal transplant	1,806	0.03%
2: Heart and/or lung transplant	1,296	0.02%
4: Tracheostomy with MV >96 hours with extensive procedure	6,951	0.11%
5: Tracheostomy with MV >96 hours without extensive procedure	7,719	0.12%
6: Pancreas transplant	165	0.00%
7: Allogeneic bone marrow transplant	1,745	0.03%
8: Autologous bone marrow transplant or T-cell immunotherapy	2,239	0.03%
9: Extracorporeal membrane oxygenation (ECMO)	2,555	0.04%
11	940	0.01%
20: Open craniotomy for trauma	3,938	0.06%
21: Open craniotomy except trauma	25,284	0.38%
22: Ventricular shunt procedures	3,823	0.06%
23: Spinal procedures	5,973	0.09%
24: Open extracranial vascular procedures	11,911	0.18%
26: Other nervous system and related procedures	4,156	0.06%
27: Other open craniotomy	1,841	0.03%
29: Other percutaneous intracranial procedures	3,500	0.05%
30: Percutaneous intracranial and extracranial vascular procedures	19,293	0.29%
40: Spinal disorders and injuries	2,176	0.03%
41: Nervous system malignancy	9,167	0.14%
42: Degenerative nervous system disorders except multiple sclerosis	25,867	0.39%
43: Multiple sclerosis, other demyelinating disease and inflammatory neuropathies	6,016	0.09%
44: Intracranial hemorrhage	18,588	0.28%
45: CVA and precerebral occlusion with infarction	95,891	1.46%
46: Nonspecific CVA and precerebral occlusion without infarction	3,427	0.05%
47: Transient ischemia	15,611	0.24%
48: Peripheral, cranial and autonomic nerve disorders	13,010	0.20%
49: Bacterial and tuberculous infections of nervous system	3,683	0.06%
50: Non-bacterial infections of nervous system except viral meningitis	3,483	0.05%
51: Viral meningitis	1,303	0.02%

APRDRG	Frequency	Percent of Total
52: Alteration in consciousness	30,159	0.46%
53: Seizure	52,741	0.80%
54: Migraine and other headaches	8,606	0.13%
55: Head trauma with coma > 1 hour or hemorrhage	26,407	0.40%
56: Brain contusion or laceration and complicated skull fracture, coma < 1 hour or no coma	466	0.01%
57: Concussion, closed skull fracture NOS, and uncomplicated intracranial injury, coma < 1 hour or no coma	4,525	0.07%
58: Other disorders of nervous system	40,270	0.61%
59: Anoxic and other severe brain damage	1,091	0.02%
73: Orbit and eye procedures	1,785	0.03%
82: Eye infections and other eye disorders	7,065	0.11%
89: Major cranial or facial bone procedures	3,282	0.05%
91: Other major head and neck procedures	2,806	0.04%
92: Facial bone procedures except major cranial or facial bone procedures	3,583	0.05%
95: Cleft lip and palate repair	415	0.01%
97: Tonsil and adenoid procedures	1,343	0.02%
98: Other ear, nose, mouth and throat procedures	5,520	0.08%
110: Ear, nose, mouth, throat and cranial or facial malignancies	2,028	0.03%
111: Vertigo and other labyrinth disorders	6,990	0.11%
113: Infections of upper respiratory tract	22,994	0.35%
114: Dental diseases and disorders	1,889	0.03%
115: Other ear, nose, mouth, throat and cranial or facial diagnoses	11,794	0.18%
120: Major respiratory and chest procedures	7,706	0.12%
121: Other respiratory and chest procedures	17,284	0.26%
130: Respiratory system diagnosis with ventilator support > 96 hours	13,597	0.21%
131: Cystic fibrosis - pulmonary disease	1,446	0.02%
132: BPD and other chronic respiratory diseases arising in perinatal period	1,738	0.03%
133: Respiratory failure	78,036	1.19%
134: Pulmonary embolism	35,176	0.53%
135: Major chest and respiratory trauma	17,934	0.27%
136: Respiratory malignancy	14,676	0.22%

APRDRG	Frequency	Percent of Total
137: Major respiratory infections and inflammations	194,673	2.96%
138: Bronchiolitis and RSV pneumonia	24,008	0.36%
139: Other pneumonia	98,701	1.50%
140: Chronic obstructive pulmonary disease	59,599	0.91%
141: Asthma	25,922	0.39%
142: Interstitial and alveolar lung diseases	6,338	0.10%
143: Other respiratory diagnoses except signs, symptoms and miscellaneous diagnoses	19,751	0.30%
144: Respiratory signs, symptoms and miscellaneous diagnoses	6,005	0.09%
145: Acute bronchitis and related symptoms	6,617	0.10%
160: Major cardiothoracic repair of heart anomaly	1,433	0.02%
161: Implantable heart assist systems	537	0.01%
162: Cardiac valve procedures with AMI or complex principal diagnosis	2,819	0.04%
163: Cardiac valve procedures without AMI or complex principal diagnosis	14,317	0.22%
165: Coronary bypass with AMI or complex principal diagnosis	10,687	0.16%
166: Coronary bypass without AMI or complex principal diagnosis	20,725	0.32%
167: Other cardiothoracic and thoracic vascular procedures	6,357	0.10%
169: Major abdominal vascular procedures	15,695	0.24%
170: Permanent cardiac pacemaker implant with AMI, heart failure or shock	241	0.00%
171: Permanent cardiac pacemaker implant without AMI, heart failure or shock	19,275	0.29%
174: Percutaneous cardiac intervention with AMI	54,441	0.83%
175: Percutaneous cardiac intervention without AMI	46,712	0.71%
176: Insertion, revision and replacements of pacemaker and other cardiac devices	2,596	0.04%
177: Cardiac pacemaker and defibrillator revision except device replacement	1,216	0.02%
178: External heart assist systems	2,238	0.03%
179: Defibrillator implants	7,699	0.12%
180: Other circulatory system procedures	5,590	0.08%
181: Lower extremity arterial procedures	14,093	0.21%
182: Other peripheral vascular procedures	22,073	0.34%
183: Percutaneous structural cardiac procedures	20,771	0.32%
190: Acute myocardial infarction	49,293	0.75%

APRDRG	Frequency	Percent of Total
191: Cardiac catheterization for coronary artery disease	12,666	0.19%
192: Cardiac catheterization for other non-coronary conditions	45,551	0.69%
193: Acute and subacute endocarditis	1,612	0.02%
194: Heart failure	209,758	3.19%
196: Cardiac arrest and shock	4,941	0.08%
197: Peripheral and other vascular disorders	26,243	0.40%
198: Angina pectoris and coronary atherosclerosis	16,428	0.25%
199: Hypertension	29,097	0.44%
200: Cardiac structural and valvular disorders	3,384	0.05%
201: Cardiac arrhythmia and conduction disorders	86,936	1.32%
203: Chest pain	11,224	0.17%
204: Syncope and collapse	24,558	0.37%
205: Cardiomyopathy	1,237	0.02%
206: Malfunction, reaction, complication of cardiac or vascular device or procedure	8,297	0.13%
207: Other circulatory system diagnoses	18,848	0.29%
220: Major stomach, esophageal and duodenal procedures	13,552	0.21%
222: Other stomach, esophageal and duodenal procedures	2,899	0.04%
223: Other small and large bowel procedures	5,711	0.09%
224: Peritoneal adhesiolysis	6,868	0.10%
226: Anal procedures	2,760	0.04%
227: Hernia procedures except inguinal, femoral and umbilical	10,505	0.16%
228: Inguinal, femoral and umbilical hernia procedures	5,460	0.08%
229: Other digestive system and abdominal procedures	6,714	0.10%
230: Major small bowel procedures	28,387	0.43%
231: Major large bowel procedures	42,228	0.64%
232: Gastric fundoplication	346	0.01%
233: Appendectomy with complex principal diagnosis	9,447	0.14%
234: Appendectomy without complex principal diagnosis	10,886	0.17%
240: Digestive malignancy	15,955	0.24%
241: Peptic ulcer and gastritis	39,123	0.59%

APRDRG	Frequency	Percent of Total
242: Major esophageal disorders	7,653	0.12%
243: Other esophageal disorders	13,071	0.20%
244: Diverticulitis and diverticulosis	39,058	0.59%
245: Inflammatory bowel disease	14,010	0.21%
246: Gastrointestinal vascular insufficiency	4,682	0.07%
247: Intestinal obstruction	45,483	0.69%
248: Major gastrointestinal and peritoneal infections	21,575	0.33%
249: Other gastroenteritis, nausea and vomiting	41,948	0.64%
251: Abdominal pain	6,938	0.11%
252: Malfunction, reaction and complication of gastrointestinal device or procedure	11,401	0.17%
253: Other and unspecified gastrointestinal hemorrhage	28,111	0.43%
254: Other digestive system diagnoses	50,227	0.76%
260: Major pancreas, liver and shunt procedures	7,178	0.11%
261: Major biliary tract procedures	888	0.01%
263: Cholecystectomy	43,320	0.66%
264: Other hepatobiliary, pancreas and abdominal procedures	2,392	0.04%
279: Hepatic coma and other major acute liver disorders	14,462	0.22%
280: Alcoholic liver disease	27,130	0.41%
281: Malignancy of hepatobiliary system and pancreas	12,622	0.19%
282: Disorders of pancreas except malignancy	47,006	0.71%
283: Other disorders of the liver	17,761	0.27%
284: Disorders of gallbladder and biliary tract	23,601	0.36%
303: Dorsal and lumbar fusion procedure for curvature of back	4,109	0.06%
304: Dorsal and lumbar fusion procedure except for curvature of back	48,637	0.74%
305: Amputation of lower limb except toes	17,175	0.26%
308: Hip and femur fracture repair	51,294	0.78%
309: Other significant hip and femur surgery	7,148	0.11%
310: Intervertebral disc excision and decompression	10,913	0.17%
312: Skin graft, except hand, for musculoskeletal and connective tissue diagnoses	2,095	0.03%
313: Knee and lower leg procedures except foot	28,961	0.44%

APRDRG	Frequency	Percent of Total
314: Foot and toe procedures	16,492	0.25%
315: Shoulder, upper arm and forearm procedures except joint replacement	12,717	0.19%
316: Hand and wrist procedures	5,111	0.08%
317: Tendon, muscle and other soft tissue procedures	7,938	0.12%
320: Other musculoskeletal system and connective tissue procedures	9,691	0.15%
321: Cervical spinal fusion and other back or neck procedures except disc excision or decompression	24,888	0.38%
322: Shoulder and elbow joint replacement	8,814	0.13%
323: Non-elective or complex hip joint replacement	33,045	0.50%
324: Elective hip joint replacement	20,213	0.31%
325: Non-elective or complex knee joint replacement	10,916	0.17%
326: Elective knee joint replacement	31,636	0.48%
340: Fracture of femur	6,507	0.10%
341: Fracture of pelvis or dislocation of hip	6,430	0.10%
342: Fractures and dislocations except femur, pelvis and back	14,689	0.22%
343: Musculoskeletal malignancy and pathological fracture due to musculoskeletal malignancy	6,092	0.09%
344: Osteomyelitis, septic arthritis and other musculoskeletal infections	14,800	0.22%
346: Connective tissue disorders	7,809	0.12%
347: Other back and neck disorders, fractures and injuries	36,747	0.56%
349: Malfunction, reaction, complication of orthopedic device or procedure	7,310	0.11%
351: Other musculoskeletal system and connective tissue diagnoses	31,922	0.49%
361: Skin graft for skin and subcutaneous tissue diagnoses	2,818	0.04%
362: Mastectomy procedures	3,279	0.05%
363: Breast procedures except mastectomy	2,612	0.04%
364: Other skin, subcutaneous tissue and related procedures	14,565	0.22%
380: Skin ulcers	11,229	0.17%
381: Major skin disorders	1,796	0.03%
382: Malignant breast disorders	1,723	0.03%
383: Cellulitis and other skin infections	63,709	0.97%
384: Contusion, open wound and other trauma to skin and subcutaneous tissue	7,677	0.12%
385: Other skin, subcutaneous tissue and breast disorders	6,654	0.10%

APRDRG	Frequency	Percent of Total
401: Adrenal procedures	1,271	0.02%
403: Procedures for obesity	41,628	0.63%
404: Thyroid, parathyroid and thyroglossal procedures	2,822	0.04%
405: Other procedures for endocrine, nutritional and metabolic disorders	1,629	0.02%
420: Diabetes	73,872	1.12%
421: Malnutrition, failure to thrive and other nutritional disorders	12,350	0.19%
422: Hypovolemia and related electrolyte disorders	18,969	0.29%
423: Inborn errors of metabolism	1,791	0.03%
424: Other endocrine disorders	5,435	0.08%
425: Other non-hypovolemic electrolyte disorders	28,343	0.43%
426: Non-hypovolemic sodium disorders	35,670	0.54%
427: Thyroid disorders	3,042	0.05%
440: Kidney transplant	4,678	0.07%
441: Major bladder procedures	2,834	0.04%
442: Kidney and urinary tract procedures for malignancy	8,068	0.12%
443: Kidney and urinary tract procedures for non-malignancy	8,922	0.14%
444: Renal dialysis access device procedures and vessel repair	3,023	0.05%
445: Other bladder procedures	2,010	0.03%
446: Urethral and transurethral procedures	9,786	0.15%
447: Other kidney, urinary tract and related procedures	1,634	0.02%
461: Kidney and urinary tract malignancy	2,740	0.04%
462: Nephritis and nephrosis	2,052	0.03%
463: Kidney and urinary tract infections	87,950	1.34%
465: Urinary stones and acquired upper urinary tract obstruction	12,107	0.18%
466: Malfunction, reaction, complication of genitourinary device or procedure	48,821	0.74%
468: Other kidney and urinary tract diagnoses, signs and symptoms	9,557	0.15%
469: Acute kidney injury	96,947	1.47%
470: Chronic kidney disease	9,826	0.15%
480: Major male pelvic procedures	2,857	0.04%
482: Transurethral prostatectomy	2,659	0.04%

APRDRG	Frequency	Percent of Total
483: Penis, testes and scrotal procedures	1,795	0.03%
484: Other male reproductive system and related procedures	3,302	0.05%
500: Malignancy, male reproductive system	1,210	0.02%
501: Male reproductive system diagnoses except malignancy	5,991	0.09%
510: Pelvic evisceration, radical hysterectomy and other radical gynecological procedures	661	0.01%
511: Uterine and adnexa procedures for ovarian and adnexal malignancy	2,564	0.04%
512: Uterine and adnexa procedures for non-ovarian and non-adnexal malignancy	2,600	0.04%
513: Uterine and adnexa procedures for non-malignancy except leiomyoma	10,503	0.16%
514: Female reproductive system reconstructive procedures	778	0.01%
517: Dilation and curettage for non-obstetric diagnoses	984	0.01%
518: Other female reproductive system and related procedures	2,087	0.03%
519: Uterine and adnexa procedures for leiomyoma	10,602	0.16%
530: Female reproductive system malignancy	3,283	0.05%
531: Female reproductive system infections	3,182	0.05%
532: Menstrual and other female reproductive system disorders	3,920	0.06%
539: Cesarean section with sterilization	33,791	0.51%
540: Cesarean section without sterilization	192,242	2.92%
541: Vaginal delivery with sterilization and/or D&C	6,253	0.10%
542: Vaginal delivery with O.R. procedure except sterilization and/or D&C	15,605	0.24%
543: Abortion with D&C, aspiration curettage or hysterotomy	1,452	0.02%
547: Antepartum with O.R. procedure	4,514	0.07%
548: Postpartum and post abortion diagnosis with O.R. procedure	2,550	0.04%
560: Vaginal delivery	443,667	6.74%
561: Postpartum and post abortion diagnoses without procedure	14,069	0.21%
564: Abortion without D&C, aspiration curettage or hysterotomy	1,592	0.02%
566: Antepartum without O.R. procedure	37,760	0.57%
580: Neonate, transferred < 5 days old, not born here	415	0.01%
581: Neonate, transferred < 5 days old, born here	10,292	0.16%
583: Neonate with ECMO	218	0.00%
588: Neonate birth weight < 1500 grams with major procedure	480	0.01%

APRDRG	Frequency	Percent of Total
589: Neonate birth weight < 500 grams, or birth weight 500-999 grams and gestational age <24 weeks, or birth weight 500-749 grams with major anomaly or without life sustaining intervention	1,154	0.02%
591: Neonate birth weight 500-749 grams without major procedure	997	0.02%
593: Neonate birth weight 750-999 grams without major procedure	1,627	0.02%
602: Neonate birth weight 1000-1249 grams with respiratory distress syndrome or other major respiratory condition or major anomaly	1,897	0.03%
603: Neonate birth weight 1000-1249 grams with or without significant condition	212	0.00%
607: Neonate birth weight 1250-1499 grams with respiratory distress syndrome or other major respiratory condition or major anomaly	2,282	0.03%
608: Neonate birth weight 1250-1499 grams with or without significant condition	665	0.01%
609: Neonate birth weight 1500-2499 grams with major procedure	403	0.01%
611: Neonate birth weight 1500-1999 grams with major anomaly	1,291	0.02%
612: Neonate birth weight 1500-1999 grams with respiratory distress syndrome or other major respiratory condition	4,215	0.06%
613: Neonate birth weight 1500-1999 grams with congenital or perinatal infection	135	0.00%
614: Neonate birth weight 1500-1999 grams with or without other significant condition	5,591	0.08%
621: Neonate birth weight 2000-2499 grams with major anomaly	1,842	0.03%
622: Neonate birth weight 2000-2499 grams with respiratory distress syndrome or other major respiratory condition	4,725	0.07%
623: Neonate birth weight 2000-2499 grams with congenital or perinatal infection	307	0.00%
625: Neonate birth weight 2000-2499 grams with other significant condition	3,782	0.06%
626: Neonate birth weight 2000-2499 grams, normal newborn or neonate with other problem	24,356	0.37%
630: Neonate birth weight > 2499 grams with major cardiovascular procedure	592	0.01%
631: Neonate birth weight > 2499 grams with other major procedure	1,011	0.02%
633: Neonate birth weight > 2499 grams with major anomaly	11,052	0.17%
634: Neonate birth weight > 2499 grams with respiratory distress syndrome or other major respiratory condition	15,103	0.23%
636: Neonate birth weight > 2499 grams with congenital or perinatal infection	2,502	0.04%
639: Neonate birth weight > 2499 grams with other significant condition	19,955	0.30%
640: Neonate birth weight > 2499 grams, normal newborn or neonate with other problem	601,927	9.15%
650: Splenectomy	734	0.01%
651: Other procedures of blood and blood-forming organs	697	0.01%
660: Major hematologic or immunologic diagnoses except sickle cell crisis and coagulation	15,663	0.24%

APRDRG	Frequency	Percent of Total
661: Coagulation and platelet disorders	9,131	0.14%
662: Sickle cell anemia crisis	16,626	0.25%
663: Other anemia and disorders of blood and blood-forming organs	34,346	0.52%
680: Major O.R. procedures for lymphatic, hematopoietic or other neoplasms	3,696	0.06%
681: Other O.R. procedures for lymphatic, hematopoietic or other neoplasms	3,765	0.06%
690: Acute leukemia	5,813	0.09%
691: Lymphoma, myeloma and non-acute leukemia	9,901	0.15%
692: Radiotherapy	335	0.01%
694: Lymphatic and other malignancies and neoplasms of uncertain behavior	5,799	0.09%
695: Chemotherapy for acute leukemia	6,445	0.10%
696: Other chemotherapy	18,258	0.28%
710: Infectious and parasitic diseases including HIV with O.R. procedure	58,876	0.89%
711: Post-operative, post-trauma, other device infections with O.R. procedure	13,324	0.20%
720: Septicemia and disseminated infections	421,454	6.41%
721: Post-operative, post-traumatic, other device infections	25,513	0.39%
722: Fever and inflammatory conditions	4,984	0.08%
723: Viral illness	6,610	0.10%
724: Other infectious and parasitic diseases	8,227	0.13%
740: Mental illness diagnosis with O.R. procedure	969	0.01%
750: Schizophrenia	56,620	0.86%
751: Major depressive disorders and other or unspecified psychoses	78,645	1.20%
752: Disorders of personality and impulse control	2,196	0.03%
753: Bipolar disorders	52,760	0.80%
754: Depression except major depressive disorder	16,544	0.25%
755: Adjustment disorders and neuroses except depressive diagnoses	7,901	0.12%
756: Acute anxiety and delirium states	9,197	0.14%
757: Organic mental health disturbances	2,122	0.03%
758: Behavioral disorders	2,748	0.04%
759: Eating disorders	1,176	0.02%
760: Other mental health disorders	2,572	0.04%

APRDRG	Frequency	Percent of Total
770: Drug and alcohol abuse or dependence, left against medical advice	10,175	0.15%
772: Alcohol and drug dependence with rehabilitation and/or detoxification therapy	6,154	0.09%
773: Opioid abuse and dependence	10,770	0.16%
774: Cocaine abuse and dependence	4,600	0.07%
775: Alcohol abuse and dependence	48,923	0.74%
776: Other drug abuse and dependence	6,339	0.10%
792: Extensive O.R. procedures for other complications of treatment	4,018	0.06%
793: Moderately extensive O.R. procedures for other complications of treatment	5,616	0.09%
794: Non-extensive O.R. procedures for other complications of treatment	1,140	0.02%
810: Hemorrhage or hematoma due to complication	3,361	0.05%
811: Allergic reactions	4,499	0.07%
812: Poisoning of medicinal agents	21,413	0.33%
813: Other complications of treatment	12,289	0.19%
815: Other injury, poisoning and toxic effect diagnoses	4,199	0.06%
816: Toxic effects of non-medicinal substances	7,804	0.12%
817: Intentional self-harm and attempted suicide	18,432	0.28%
841: Extensive third degree burns with skin graft	223	0.00%
842: Burns with skin graft except extensive third degree burns	2,635	0.04%
843: Extensive third degree burns without skin graft	775	0.01%
844: Partial thickness burns without skin graft	2,115	0.03%
850: Procedure with diagnosis of rehabilitation, aftercare or other contact with health services	4,849	0.07%
860: Rehabilitation	14,213	0.22%
861: Signs, symptoms and other factors influencing health status	24,727	0.38%
862: Other aftercare and convalescence	36,368	0.55%
863: Neonatal aftercare	494	0.01%
890: HIV with multiple major HIV related conditions	4,396	0.07%
892: HIV with major HIV related condition	3,059	0.05%
893: HIV with multiple significant HIV related conditions	722	0.01%
894: HIV with one significant HIV condition or without significant related conditions	1,251	0.02%
910: Craniotomy for multiple significant trauma	1,016	0.02%

APRDRG	Frequency	Percent of Total
911: Extensive abdominal or thoracic procedures for multiple significant trauma	3,659	0.06%
912: Musculoskeletal and other procedures for multiple significant trauma	12,898	0.20%
930: Multiple significant trauma without O.R. procedure	10,147	0.15%
950: Extensive O.R. procedure unrelated to principal diagnosis	11,228	0.17%
951: Moderately extensive O.R. procedure unrelated to principal diagnosis	15,387	0.23%
952: Non-extensive O.R. procedure unrelated to principal diagnosis	6,566	0.10%
955: Principal diagnosis invalid as discharge diagnosis	3,110	0.05%
956: Ungroupable	6,447	0.10%

APRDRG_Risk_Mortality	Frequency	Percent of Total
0: No class specified	9,557	0.15%
1: Minor likelihood of dying	3,136,948	47.69%
2: Moderate likelihood of dying	1,381,154	21.00%
3: Major likelihood of dying	1,307,714	19.88%
4: Extreme likelihood of dying	742,999	11.29%

APRDRG_Severity	Frequency	Percent of Total
0: No class specified	9,557	0.15%
1: Minor loss of function (includes cases with no comorbidity or complications)	1,853,898	28.18%
2: Moderate loss of function	2,306,942	35.07%
3: Major loss of function	1,627,371	24.74%
4: Extreme loss of function	780,604	11.87%