HCUP Summary Statistics Report: NIS 2023 Severity File Means of Continuous Data Elements

Variable / Label	N	Minimum	Maximum	Mean	Median	Sum
HOSP_NIS: NIS hospital number	6,743,716	1	4,181	2,082.6	2,094	14,044,336,678
APRDRG : All Patient Refined DRG	6,743,716	1	956	414.0	403	2,791,877,832
APRDRG_Risk_Mortality : All Patient Refined DRG: Risk of Mortality Subclass	6,743,716	0	4	1.9	2	12,768,067
APRDRG_Severity : All Patient Refined DRG: Severity of Illness Subclass	6,743,716	0	4	2.2	2	14,664,924

APRDRG	Frequency	Percent of Total
1: Liver transplant and/or intestinal transplant	2,072	0.03%
2: Heart and/or lung transplant	1,401	0.02%
4: Tracheostomy with MV >96 hours with extensive procedure	6,398	0.09%
5: Tracheostomy with MV >96 hours without extensive procedure	5,874	0.09%
6: Pancreas transplant	171	0.00%
7: Allogeneic bone marrow transplant	1,914	0.03%
8: Autologous bone marrow transplant or T-cell immunotherapy	2,240	0.03%
9: Extracorporeal membrane oxygenation (ECMO)	2,810	0.04%
11	1,123	0.02%
20: Open craniotomy for trauma	4,137	0.06%
21: Open craniotomy except trauma	25,972	0.39%
22: Ventricular shunt procedures	3,911	0.06%
23: Spinal procedures	6,404	0.09%
24: Open extracranial vascular procedures	12,399	0.18%
26: Other nervous system and related procedures	4,285	0.06%
27: Other open craniotomy	1,989	0.03%
29: Other percutaneous intracranial procedures	4,489	0.07%
30: Percutaneous intracranial and extracranial vascular procedures	22,552	0.33%
40: Spinal disorders and injuries	2,251	0.03%
41: Nervous system malignancy	8,921	0.13%
42: Degenerative nervous system disorders except multiple sclerosis	26,915	0.40%
43: Multiple sclerosis, other demyelinating disease and inflammatory neuropathies	6,460	0.10%
44: Intracranial hemorrhage	18,655	0.28%
45: CVA and precerebral occlusion with infarction	98,629	1.46%
46: Nonspecific CVA and precerebral occlusion without infarction	4,168	0.06%
47: Transient ischemia	16,570	0.25%
48: Peripheral, cranial and autonomic nerve disorders	14,096	0.21%
49: Bacterial and tuberculous infections of nervous system	4,024	0.06%
50: Non-bacterial infections of nervous system except viral meningitis	3,820	0.06%
51: Viral meningitis	1,306	0.02%

APRDRG	Frequency	Percent of Total
52: Alteration in consciousness	33,162	0.49%
53: Seizure	56,770	0.84%
54: Migraine and other headaches	10,040	0.15%
55: Head trauma with coma > 1 hour or hemorrhage	27,350	0.41%
56: Brain contusion or laceration and complicated skull fracture, coma < 1 hour or no coma	389	0.01%
57: Concussion, closed skull fracture NOS, and uncomplicated intracranial injury, coma < 1 hour or no coma	4,466	0.07%
58: Other disorders of nervous system	43,614	0.65%
59: Anoxic and other severe brain damage	1,124	0.02%
73: Orbit and eye procedures	1,787	0.03%
82: Eye infections and other eye disorders	7,934	0.12%
89: Major cranial or facial bone procedures	3,638	0.05%
91: Other major head and neck procedures	3,077	0.05%
92: Facial bone procedures except major cranial or facial bone procedures	3,490	0.05%
95: Cleft lip and palate repair	390	0.01%
97: Tonsil and adenoid procedures	1,565	0.02%
98: Other ear, nose, mouth and throat procedures	5,910	0.09%
110: Ear, nose, mouth, throat and cranial or facial malignancies	2,187	0.03%
111: Vertigo and other labyrinth disorders	7,958	0.12%
113: Infections of upper respiratory tract	20,364	0.30%
114: Dental diseases and disorders	2,053	0.03%
115: Other ear, nose, mouth, throat and cranial or facial diagnoses	12,272	0.18%
120: Major respiratory and chest procedures	8,399	0.12%
121: Other respiratory and chest procedures	18,447	0.27%
130: Respiratory system diagnosis with ventilator support > 96 hours	9,123	0.14%
131: Cystic fibrosis - pulmonary disease	1,533	0.02%
132: BPD and other chronic respiratory diseases arising in perinatal period	1,630	0.02%
133: Respiratory failure	87,914	1.30%
134: Pulmonary embolism	37,814	0.56%
135: Major chest and respiratory trauma	19,796	0.29%
136: Respiratory malignancy	15,143	0.22%

APRDRG	Frequency	Percent of Total
137: Major respiratory infections and inflammations	115,337	1.71%
138: Bronchiolitis and RSV pneumonia	17,575	0.26%
139: Other pneumonia	110,561	1.64%
140: Chronic obstructive pulmonary disease	60,953	0.90%
141: Asthma	26,059	0.39%
142: Interstitial and alveolar lung diseases	6,579	0.10%
143: Other respiratory diagnoses except signs, symptoms and miscellaneous diagnoses	20,897	0.31%
144: Respiratory signs, symptoms and miscellaneous diagnoses	6,373	0.09%
145: Acute bronchitis and related symptoms	7,549	0.11%
160: Major cardiothoracic repair of heart anomaly	1,531	0.02%
161: Implantable heart assist systems	569	0.01%
162: Cardiac valve procedures with AMI or complex principal diagnosis	2,992	0.04%
163: Cardiac valve procedures without AMI or complex principal diagnosis	15,849	0.24%
165: Coronary bypass with AMI or complex principal diagnosis	10,617	0.16%
166: Coronary bypass without AMI or complex principal diagnosis	22,197	0.33%
167: Other cardiothoracic and thoracic vascular procedures	7,016	0.10%
169: Major abdominal vascular procedures	17,669	0.26%
170: Permanent cardiac pacemaker implant with AMI, heart failure or shock	266	0.00%
171: Permanent cardiac pacemaker implant without AMI, heart failure or shock	21,542	0.32%
174: Percutaneous cardiac intervention with AMI	56,937	0.84%
175: Percutaneous cardiac intervention without AMI	54,613	0.81%
176: Insertion, revision and replacements of pacemaker and other cardiac devices	2,674	0.04%
177: Cardiac pacemaker and defibrillator revision except device replacement	1,454	0.02%
178: External heart assist systems	2,548	0.04%
179: Defibrillator implants	8,095	0.12%
180: Other circulatory system procedures	5,732	0.08%
181: Lower extremity arterial procedures	14,901	0.22%
182: Other peripheral vascular procedures	23,387	0.35%
183: Percutaneous structural cardiac procedures	23,717	0.35%
190: Acute myocardial infarction	49,028	0.73%

APRDRG	Frequency	Percent of Total
191: Cardiac catheterization for coronary artery disease	14,091	0.21%
192: Cardiac catheterization for other non-coronary conditions	50,698	0.75%
193: Acute and subacute endocarditis	1,601	0.02%
194: Heart failure	218,740	3.24%
196: Cardiac arrest and shock	5,209	0.08%
197: Peripheral and other vascular disorders	27,607	0.41%
198: Angina pectoris and coronary atherosclerosis	16,214	0.24%
199: Hypertension	32,564	0.48%
200: Cardiac structural and valvular disorders	3,605	0.05%
201: Cardiac arrhythmia and conduction disorders	93,215	1.38%
203: Chest pain	9,870	0.15%
204: Syncope and collapse	26,079	0.39%
205: Cardiomyopathy	1,253	0.02%
206: Malfunction, reaction, complication of cardiac or vascular device or procedure	9,037	0.13%
207: Other circulatory system diagnoses	21,036	0.31%
220: Major stomach, esophageal and duodenal procedures	14,691	0.22%
222: Other stomach, esophageal and duodenal procedures	2,583	0.04%
223: Other small and large bowel procedures	3,610	0.05%
224: Peritoneal adhesiolysis	11,918	0.18%
226: Anal procedures	3,951	0.06%
227: Hernia procedures except inguinal, femoral and umbilical	9,145	0.14%
228: Inguinal, femoral and umbilical hernia procedures	5,806	0.09%
229: Other digestive system and abdominal procedures	7,471	0.11%
230: Major small bowel procedures	30,188	0.45%
231: Major large bowel procedures	45,073	0.67%
232: Gastric fundoplication	331	0.00%
233: Appendectomy with complex principal diagnosis	9,714	0.14%
234: Appendectomy without complex principal diagnosis	10,170	0.15%
240: Digestive malignancy	16,914	0.25%
241: Peptic ulcer and gastritis	40,609	0.60%

APRDRG	Frequency	Percent of Total
242: Major esophageal disorders	7,715	0.11%
243: Other esophageal disorders	13,564	0.20%
244: Diverticulitis and diverticulosis	40,616	0.60%
245: Inflammatory bowel disease	14,907	0.22%
246: Gastrointestinal vascular insufficiency	4,838	0.07%
247: Intestinal obstruction	48,251	0.72%
248: Major gastrointestinal and peritoneal infections	23,204	0.34%
249: Other gastroenteritis, nausea and vomiting	47,505	0.70%
251: Abdominal pain	6,725	0.10%
252: Malfunction, reaction and complication of gastrointestinal device or procedure	12,234	0.18%
253: Other and unspecified gastrointestinal hemorrhage	27,589	0.41%
254: Other digestive system diagnoses	53,082	0.79%
260: Major pancreas, liver and shunt procedures	7,748	0.11%
261: Major biliary tract procedures	930	0.01%
263: Cholecystectomy	45,089	0.67%
264: Other hepatobiliary, pancreas and abdominal procedures	2,587	0.04%
279: Hepatic coma and other major acute liver disorders	7,052	0.10%
280: Alcoholic liver disease	29,989	0.44%
281: Malignancy of hepatobiliary system and pancreas	13,435	0.20%
282: Disorders of pancreas except malignancy	47,755	0.71%
283: Other disorders of the liver	24,081	0.36%
284: Disorders of gallbladder and biliary tract	24,880	0.37%
303: Dorsal and lumbar fusion procedure for curvature of back	3,688	0.05%
304: Dorsal and lumbar fusion procedure except for curvature of back	52,507	0.78%
305: Amputation of lower limb except toes	18,419	0.27%
308: Hip and femur fracture repair	53,937	0.80%
309: Other significant hip and femur surgery	7,511	0.11%
310: Intervertebral disc excision and decompression	11,578	0.17%
312: Skin graft, except hand, for musculoskeletal and connective tissue diagnoses	2,279	0.03%
313: Knee and lower leg procedures except foot	30,662	0.45%

APRDRG	Frequency	Percent of Total
314: Foot and toe procedures	17,605	0.26%
315: Shoulder, upper arm and forearm procedures except joint replacement	12,791	0.19%
316: Hand and wrist procedures	5,418	0.08%
317: Tendon, muscle and other soft tissue procedures	8,349	0.12%
320: Other musculoskeletal system and connective tissue procedures	10,250	0.15%
321: Cervical spinal fusion and other back or neck procedures except disc excision or decompression	27,150	0.40%
322: Shoulder and elbow joint replacement	8,397	0.12%
323: Non-elective or complex hip joint replacement	35,758	0.53%
324: Elective hip joint replacement	17,382	0.26%
325: Non-elective or complex knee joint replacement	12,851	0.19%
326: Elective knee joint replacement	26,198	0.39%
340: Fracture of femur	6,953	0.10%
341: Fracture of pelvis or dislocation of hip	6,818	0.10%
342: Fractures and dislocations except femur, pelvis and back	16,044	0.24%
343: Musculoskeletal malignancy and pathological fracture due to musculoskeletal malignancy	6,500	0.10%
344: Osteomyelitis, septic arthritis and other musculoskeletal infections	15,797	0.23%
346: Connective tissue disorders	8,147	0.12%
347: Other back and neck disorders, fractures and injuries	41,639	0.62%
349: Malfunction, reaction, complication of orthopedic device or procedure	8,234	0.12%
351: Other musculoskeletal system and connective tissue diagnoses	34,926	0.52%
361: Skin graft for skin and subcutaneous tissue diagnoses	3,101	0.05%
362: Mastectomy procedures	2,856	0.04%
363: Breast procedures except mastectomy	2,949	0.04%
364: Other skin, subcutaneous tissue and related procedures	15,853	0.24%
380: Skin ulcers	11,624	0.17%
381: Major skin disorders	1,907	0.03%
382: Malignant breast disorders	1,898	0.03%
383: Cellulitis and other skin infections	70,589	1.05%
384: Contusion, open wound and other trauma to skin and subcutaneous tissue	8,054	0.12%
385: Other skin, subcutaneous tissue and breast disorders	7,439	0.11%

APRDRG	Frequency	Percent of Total
401: Adrenal procedures	1,493	0.02%
403: Procedures for obesity	38,928	0.58%
404: Thyroid, parathyroid and thyroglossal procedures	2,954	0.04%
405: Other procedures for endocrine, nutritional and metabolic disorders	1,702	0.03%
420: Diabetes	74,935	1.11%
421: Malnutrition, failure to thrive and other nutritional disorders	13,060	0.19%
422: Hypovolemia and related electrolyte disorders	20,127	0.30%
423: Inborn errors of metabolism	2,116	0.03%
424: Other endocrine disorders	5,987	0.09%
425: Other non-hypovolemic electrolyte disorders	32,174	0.48%
426: Non-hypovolemic sodium disorders	36,915	0.55%
427: Thyroid disorders	3,440	0.05%
440: Kidney transplant	5,135	0.08%
441: Major bladder procedures	2,923	0.04%
442: Kidney and urinary tract procedures for malignancy	8,620	0.13%
443: Kidney and urinary tract procedures for non-malignancy	9,218	0.14%
444: Renal dialysis access device procedures and vessel repair	3,013	0.04%
445: Other bladder procedures	2,324	0.03%
446: Urethral and transurethral procedures	11,182	0.17%
447: Other kidney, urinary tract and related procedures	1,675	0.02%
461: Kidney and urinary tract malignancy	2,841	0.04%
462: Nephritis and nephrosis	2,069	0.03%
463: Kidney and urinary tract infections	97,906	1.45%
465: Urinary stones and acquired upper urinary tract obstruction	13,231	0.20%
466: Malfunction, reaction, complication of genitourinary device or procedure	55,707	0.83%
468: Other kidney and urinary tract diagnoses, signs and symptoms	10,191	0.15%
469: Acute kidney injury	103,916	1.54%
470: Chronic kidney disease	9,346	0.14%
480: Major male pelvic procedures	2,265	0.03%
482: Transurethral prostatectomy	2,685	0.04%

APRDRG	Frequency	Percent of Total
483: Penis, testes and scrotal procedures	1,724	0.03%
484: Other male reproductive system and related procedures	3,148	0.05%
500: Malignancy, male reproductive system	1,282	0.02%
501: Male reproductive system diagnoses except malignancy	6,260	0.09%
510: Pelvic evisceration, radical hysterectomy and other radical gynecological procedures	563	0.01%
511: Uterine and adnexa procedures for ovarian and adnexal malignancy	2,656	0.04%
512: Uterine and adnexa procedures for non-ovarian and non-adnexal malignancy	2,501	0.04%
513: Uterine and adnexa procedures for non-malignancy except leiomyoma	9,886	0.15%
514: Female reproductive system reconstructive procedures	822	0.01%
517: Dilation and curettage for non-obstetric diagnoses	1,017	0.02%
518: Other female reproductive system and related procedures	2,215	0.03%
519: Uterine and adnexa procedures for leiomyoma	9,450	0.14%
530: Female reproductive system malignancy	3,339	0.05%
531: Female reproductive system infections	3,363	0.05%
532: Menstrual and other female reproductive system disorders	4,092	0.06%
539: Cesarean section with sterilization	33,726	0.50%
540: Cesarean section without sterilization	188,699	2.80%
541: Vaginal delivery with sterilization and/or D&C	6,673	0.10%
542: Vaginal delivery with O.R. procedure except sterilization and/or D&C	16,459	0.24%
543: Abortion with D&C, aspiration curettage or hysterotomy	1,519	0.02%
547: Antepartum with O.R. procedure	4,425	0.07%
548: Postpartum and post abortion diagnosis with O.R. procedure	2,716	0.04%
560: Vaginal delivery	432,964	6.42%
561: Postpartum and post abortion diagnoses without procedure	15,480	0.23%
564: Abortion without D&C, aspiration curettage or hysterotomy	1,658	0.02%
566: Antepartum without O.R. procedure	36,289	0.54%
580: Neonate, transferred < 5 days old, not born here	472	0.01%
581: Neonate, transferred < 5 days old, born here	10,009	0.15%
583: Neonate with ECMO	222	0.00%
588: Neonate birth weight < 1500 grams with major procedure	497	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	1,139	0.02%
591: Neonate birth weight 500-749 grams without major procedure	900	0.01%
593: Neonate birth weight 750-999 grams without major procedure	1,898	0.03%
602: Neonate birth weight 1000-1249 grams with respiratory distress syndrome or other major respiratory condition or major anomaly	1,998	0.03%
603: Neonate birth weight 1000-1249 grams with or without significant condition	162	0.00%
607: Neonate birth weight 1250-1499 grams with respiratory distress syndrome or other major respiratory condition or major anomaly	2,316	0.03%
608: Neonate birth weight 1250-1499 grams with or without significant condition	520	0.01%
609: Neonate birth weight 1500-2499 grams with major procedure	382	0.01%
611: Neonate birth weight 1500-1999 grams with major anomaly	1,403	0.02%
612: Neonate birth weight 1500-1999 grams with respiratory distress syndrome or other major respiratory condition	4,568	0.07%
613: Neonate birth weight 1500-1999 grams with congenital or perinatal infection	128	0.00%
614: Neonate birth weight 1500-1999 grams with or without other significant condition	5,217	0.08%
621: Neonate birth weight 2000-2499 grams with major anomaly	1,923	0.03%
622: Neonate birth weight 2000-2499 grams with respiratory distress syndrome or other major respiratory condition	5,166	0.08%
623: Neonate birth weight 2000-2499 grams with congenital or perinatal infection	318	0.00%
625: Neonate birth weight 2000-2499 grams with other significant condition	3,755	0.06%
626: Neonate birth weight 2000-2499 grams, normal newborn or neonate with other problem	24,472	0.36%
630: Neonate birth weight > 2499 grams with major cardiovascular procedure	601	0.01%
631: Neonate birth weight > 2499 grams with other major procedure	1,129	0.02%
633: Neonate birth weight > 2499 grams with major anomaly	11,975	0.18%
634: Neonate birth weight > 2499 grams with respiratory distress syndrome or other major respiratory condition	16,939	0.25%
636: Neonate birth weight > 2499 grams with congenital or perinatal infection	2,175	0.03%
639: Neonate birth weight > 2499 grams with other significant condition	21,119	0.31%
640: Neonate birth weight > 2499 grams, normal newborn or neonate with other problem	584,071	8.66%
650: Splenectomy	784	0.01%
651: Other procedures of blood and blood-forming organs	754	0.01%
660: Major hematologic or immunologic diagnoses except sickle cell crisis and coagulation	16,670	0.25%

APRDRG	Frequency	Percent of Total
661: Coagulation and platelet disorders	10,158	0.15%
662: Sickle cell anemia crisis	17,607	0.26%
663: Other anemia and disorders of blood and blood-forming organs	37,017	0.55%
680: Major O.R. procedures for lymphatic, hematopoietic or other neoplasms	4,247	0.06%
681: Other O.R. procedures for lymphatic, hematopoietic or other neoplasms	4,070	0.06%
690: Acute leukemia	6,046	0.09%
691: Lymphoma, myeloma and non-acute leukemia	10,573	0.16%
692: Radiotherapy	365	0.01%
694: Lymphatic and other malignancies and neoplasms of uncertain behavior	6,037	0.09%
695: Chemotherapy for acute leukemia	6,586	0.10%
696: Other chemotherapy	18,571	0.28%
710: Infectious and parasitic diseases including HIV with O.R. procedure	63,736	0.95%
711: Post-operative, post-trauma, other device infections with O.R. procedure	14,724	0.22%
720: Septicemia and disseminated infections	445,609	6.61%
721: Post-operative, post-traumatic, other device infections	27,914	0.41%
722: Fever and inflammatory conditions	4,623	0.07%
723: Viral illness	6,673	0.10%
724: Other infectious and parasitic diseases	8,393	0.12%
740: Mental illness diagnosis with O.R. procedure	426	0.01%
750: Schizophrenia	53,480	0.79%
751: Major depressive disorders and other or unspecified psychoses	81,096	1.20%
752: Disorders of personality and impulse control	2,647	0.04%
753: Bipolar disorders	54,181	0.80%
754: Depression except major depressive disorder	16,695	0.25%
755: Adjustment disorders and neuroses except depressive diagnoses	9,065	0.13%
756: Acute anxiety and delirium states	10,357	0.15%
757: Organic mental health disturbances	2,610	0.04%
758: Behavioral disorders	3,349	0.05%
759: Eating disorders	911	0.01%
760: Other mental health disorders	2,668	0.04%

APRDRG	Frequency	Percent of Total
770: Drug and alcohol abuse or dependence, left against medical advice	10,900	0.16%
772: Alcohol and drug dependence with rehabilitation and/or detoxification therapy	7,129	0.11%
773: Opioid abuse and dependence	11,378	0.17%
774: Cocaine abuse and dependence	5,017	0.07%
775: Alcohol abuse and dependence	53,825	0.80%
776: Other drug abuse and dependence	6,415	0.10%
792: Extensive O.R. procedures for other complications of treatment	4,752	0.07%
793: Moderately extensive O.R. procedures for other complications of treatment	6,559	0.10%
794: Non-extensive O.R. procedures for other complications of treatment	1,216	0.02%
810: Hemorrhage or hematoma due to complication	4,062	0.06%
811: Allergic reactions	4,743	0.07%
812: Poisoning of medicinal agents	23,632	0.35%
813: Other complications of treatment	14,011	0.21%
815: Other injury, poisoning and toxic effect diagnoses	4,453	0.07%
816: Toxic effects of non-medicinal substances	7,690	0.11%
817: Intentional self-harm and attempted suicide	19,037	0.28%
841: Extensive third degree burns with skin graft	204	0.00%
842: Burns with skin graft except extensive third degree burns	2,824	0.04%
843: Extensive third degree burns without skin graft	853	0.01%
844: Partial thickness burns without skin graft	2,258	0.03%
850: Procedure with diagnosis of rehabilitation, aftercare or other contact with health services	5,081	0.08%
851	810	0.01%
860: Rehabilitation	14,721	0.22%
861: Signs, symptoms and other factors influencing health status	25,960	0.38%
862: Other aftercare and convalescence	37,414	0.55%
863: Neonatal aftercare	486	0.01%
890: HIV with multiple major HIV related conditions	4,476	0.07%
892: HIV with major HIV related condition	3,077	0.05%
893: HIV with multiple significant HIV related conditions	671	0.01%
894: HIV with one significant HIV condition or without significant related conditions	1,127	0.02%

APRDRG	Frequency	Percent of Total
910: Craniotomy for multiple significant trauma	1,155	0.02%
911: Extensive abdominal or thoracic procedures for multiple significant trauma	3,531	0.05%
912: Musculoskeletal and other procedures for multiple significant trauma	13,793	0.20%
930: Multiple significant trauma without O.R. procedure	10,503	0.16%
950: Extensive O.R. procedure unrelated to principal diagnosis	11,928	0.18%
951: Moderately extensive O.R. procedure unrelated to principal diagnosis	16,170	0.24%
952: Non-extensive O.R. procedure unrelated to principal diagnosis	6,845	0.10%
955: Principal diagnosis invalid as discharge diagnosis	2,852	0.04%
956: Ungroupable	5,699	0.08%

APRDRG_Risk_Mortality	Frequency	Percent of Total
0: No class specified	8,551	0.13%
1: Minor likelihood of dying	3,272,061	48.52%
2: Moderate likelihood of dying	1,470,135	21.80%
3: Major likelihood of dying	1,416,140	21.00%
4: Extreme likelihood of dying	576,829	8.55%

APRDRG_Severity	Frequency	Percent of Total
0: No class specified	8,551	0.13%
1: Minor loss of function (includes cases with no comorbidity or complications)	1,848,382	27.41%
2: Moderate loss of function	2,441,891	36.21%
3: Major loss of function	1,846,808	27.39%
4: Extreme loss of function	598,084	8.87%