HCUP Summary Statistics Report: NRD 2017 Severity File Means of Continuous Data Elements

Variable / Label	N	N Miss	Minimum	Maximum	Mean	Std Dev
APRDRG : All Patient Refined DRG	17,978,754	0	1.00	956.00	393.39	235.02
APRDRG_Risk_Mortality : All Patient Refined DRG: Risk of Mortality Subclass	17,978,754	0	0.00	4.00	1.84	0.99
APRDRG_Severity : All Patient Refined DRG: Severity of Illness Subclass	17,978,754	0	0.00	4.00	2.16	0.92
HOSP_NRD : NRD hospital identifier	17,978,754	0	41,001.00	44,684.00	42,793.74	1,090.71

APRDRG	Frequency	Percent of Total
1: Liver transplant &/or intestinal transplant	4,177	0.02%
2: Heart &/or lung transplant	2,907	0.02%
4: Tracheostomy w MV 96+ hours w extensive procedure	17,832	0.10%
5: Tracheostomy w MV 96+ hours w/o extensive procedure	18,123	0.10%
6: Pancreas transplant	524	0.00%
7: Allogeneic bone marrow transplant	4,196	0.02%
8: Autologous bone marrow transplant	6,155	0.03%
9: Extracorporeal membrane oxygenation (ECMO)	3,918	0.02%
10: Head trauma with deep coma	875	0.00%
20: Craniotomy for trauma	10,929	0.06%
21: Craniotomy except for trauma	67,197	0.37%
22: Ventricular shunt procedures	10,054	0.06%
23: Spinal procedures	14,041	0.08%
24: Extracranial vascular procedures	71,610	0.40%
26: Other nervous system & related procedures	10,483	0.06%
40: Spinal disorders & injuries	7,019	0.04%
41: Nervous system malignancy	25,595	0.14%
42: Degenerative nervous system disorders exc mult sclerosis	48,721	0.27%
43: Multiple sclerosis & other demyelinating diseases	16,346	0.09%
44: Intracranial hemorrhage	46,492	0.26%
45: CVA & precerebral occlusion w infarct	240,493	1.34%
46: Nonspecific CVA & precerebral occlusion w/o infarct	7,014	0.04%
47: Transient ischemia	60,892	0.34%
48: Peripheral, cranial & autonomic nerve disorders	43,140	0.24%
49: Bacterial & tuberculous infections of nervous system	7,864	0.04%
50: Non-bacterial infections of nervous system exc viral meningitis	10,720	0.06%

APRDRG	Frequency	Percent of Total
51: Viral meningitis	6,147	0.03%
52: Alteration in consciousness	72,174	0.40%
53: Seizure	137,980	0.77%
54: Migraine & other headaches	35,252	0.20%
55: Head trauma w coma >1 hr or hemorrhage	61,073	0.34%
56: Brain contusion/laceration & complicated skull Fx, coma < 1 hr or no coma	1,535	0.01%
57: Concussion, closed skull Fx nos,uncomplicated intracranial injury, coma < 1 hr or no coma	15,801	0.09%
58: Other disorders of nervous system	113,899	0.63%
59: Anoxic & other severe brain damage	3,124	0.02%
73: Orbit and eye procedures	4,352	0.02%
82: Eye infections and other eye disorders	15,423	0.09%
89: Major cranial/facial bone procedures	8,743	0.05%
91: Other major head & neck procedures	6,084	0.03%
92: Facial bone procedures except major cranial/facial bone procedures	10,889	0.06%
95: Cleft lip & palate repair	593	0.00%
97: Tonsil & adenoid procedures	4,654	0.03%
98: Other ear, nose, mouth & throat procedures	16,344	0.09%
110: Ear, nose, mouth, throat, cranial/facial malignancies	5,272	0.03%
111: Vertigo & other labyrinth disorders	24,550	0.14%
113: Infections of upper respiratory tract	78,464	0.44%
114: Dental diseases and disorders	6,141	0.03%
115: Other ear, nose, mouth,throat & cranial/facial diagnoses	36,695	0.20%
120: Major respiratory & chest procedures	22,748	0.13%
121: Other respiratory & chest procedures	46,646	0.26%
130: Respiratory system diagnosis w ventilator support 96+ hours	27,742	0.15%
131: Cystic fibrosis - pulmonary disease	9,371	0.05%

APRDRG	Frequency	Percent of Total
132: BPD & oth chronic respiratory diseases arising in perinatal period	1,964	0.01%
133: Respiratory failure	242,424	1.35%
134: Pulmonary embolism	100,416	0.56%
135: Major chest & respiratory trauma	41,213	0.23%
136: Respiratory malignancy	48,446	0.27%
137: Major respiratory infections & inflammations	113,325	0.63%
138: Bronchiolitis & RSV pneumonia	25,865	0.14%
139: Other pneumonia	310,790	1.73%
140: Chronic obstructive pulmonary disease	412,704	2.30%
141: Asthma	89,666	0.50%
142: Interstitial & alveolar lung diseases	16,947	0.09%
143: Other respiratory diagnoses except signs, symptoms & minor diagnoses	56,546	0.31%
144: Respiratory signs, symptoms & minor diagnoses	21,578	0.12%
145: Acute bronchitis and related symptoms	40,946	0.23%
160: Major cardiothoracic repair of heart anomaly	27,434	0.15%
161: Cardiac defibrillator & heart assist implant	30,500	0.17%
162: Cardiac valve procedures w AMI or complex PDX	5,104	0.03%
163: Cardiac valve procedures w/o AMI or complex PDX	33,969	0.19%
165: Coronary bypass w AMI or complex PDX	29,859	0.17%
166: Coronary bypass w/o AMI or complex PDX	61,182	0.34%
167: Other cardiothoracic & thoracic vascular procedures	13,037	0.07%
169: Major abdominal vascular procedures	19,997	0.11%
170: Permanent cardiac pacemaker implant w AMI, heart failure or shock	1,128	0.01%
171: Perm cardiac pacemaker implant w/o AMI, heart failure or shock	56,561	0.31%
174: Percutaneous coronary intervention w AMI	163,017	0.91%
175: Percutaneous coronary intervention w/o AMI	139,515	0.78%

APRDRG	Frequency	Percent of Total
176: Cardiac pacemaker & defibrillator device replacement	8,551	0.05%
177: Cardiac pacemaker & defibrillator revision except device replacement	2,827	0.02%
180: Other circulatory system procedures	17,115	0.10%
181: Lower extremity arterial procedures	78,400	0.44%
182: Other peripheral vascular procedures	47,360	0.26%
190: Acute myocardial infarction	142,021	0.79%
191: Cardiac catheterization for coronary artery disease	43,845	0.24%
192: Cardiac catheterization for other non-coronary conditions	118,133	0.66%
193: Acute & subacute endocarditis	4,804	0.03%
194: Heart failure	593,669	3.30%
196: Cardiac arrest & shock	11,582	0.06%
197: Peripheral & other vascular disorders	87,219	0.49%
198: Angina pectoris & coronary atherosclerosis	75,783	0.42%
199: Hypertension	79,180	0.44%
200: Cardiac structural & valvular disorders	8,715	0.05%
201: Cardiac arrhythmia & conduction disorders	286,168	1.59%
203: Chest pain	64,607	0.36%
204: Syncope & collapse	88,740	0.49%
205: Cardiomyopathy	3,551	0.02%
206: Malfunction,reaction,complication of cardiac/vasc device or procedure	24,150	0.13%
207: Other circulatory system diagnoses	53,236	0.30%
220: Major stomach, esophageal & duodenal procedures	41,202	0.23%
222: Other stomach, esophageal & duodenal procedures	8,888	0.05%
223: Other small & large bowel procedures	19,030	0.11%
224: Peritoneal adhesiolysis	20,653	0.11%
226: Anal procedures	6,981	0.04%

APRDRG	Frequency	Percent of Total
227: Hernia procedures except inguinal, femoral & umbilical	45,643	0.25%
228: Inguinal, femoral & umbilical hernia procedures	15,072	0.08%
229: Other digestive system & abdominal procedures	21,422	0.12%
230: Major small bowel procedures	79,469	0.44%
231: Major large bowel procedures	124,215	0.69%
232: Gastric fundoplication	2,016	0.01%
233: Appendectomy with complex principal diagnosis	29,675	0.17%
234: Appendectomy without complex principal diagnosis	38,043	0.21%
240: Digestive malignancy	39,901	0.22%
241: Peptic ulcer & gastritis	114,395	0.64%
242: Major esophageal disorders	21,890	0.12%
243: Other esophageal disorders	35,129	0.20%
244: Diverticulitis & diverticulosis	125,914	0.70%
245: Inflammatory bowel disease	45,780	0.25%
246: Gastrointestinal vascular insufficiency	19,042	0.11%
247: Intestinal obstruction	142,810	0.79%
248: Major gastrointestinal & peritoneal infections	81,015	0.45%
249: Other gastroenteritis, nausea & vomiting	149,115	0.83%
251: Abdominal pain	38,994	0.22%
252: Malfunction, reaction & complication of GI device or procedure	31,343	0.17%
253: Other & unspecified gastrointestinal hemorrhage	115,115	0.64%
254: Other digestive system diagnoses	155,013	0.86%
260: Major pancreas, liver & shunt procedures	18,019	0.10%
261: Major biliary tract procedures	3,098	0.02%
263: Cholecystectomy	148,459	0.83%
264: Other hepatobiliary, pancreas & abdominal procedures	5,823	0.03%

APRDRG	Frequency	Percent of Total
279: Hepatic coma & other major acute liver disorders	48,203	0.27%
280: Alcoholic liver disease	46,822	0.26%
281: Malignancy of hepatobiliary system & pancreas	34,483	0.19%
282: Disorders of pancreas except malignancy	149,262	0.83%
283: Other disorders of the liver	35,533	0.20%
284: Disorders of gallbladder & biliary tract	62,829	0.35%
301: Hip joint replacement	319,753	1.78%
302: Knee joint replacement	451,179	2.51%
303: Dorsal & lumbar fusion proc for curvature of back	10,930	0.06%
304: Dorsal & lumbar fusion proc except for curvature of back	142,818	0.79%
305: Amputation of lower limb except toes	38,314	0.21%
308: Hip & femur fracture repair	124,816	0.69%
309: Other significant hip & femur surgery	21,816	0.12%
310: Intervertebral disc excision & decompression	36,813	0.20%
312: Skin graft, except hand, for musculoskeletal & connective tissue diagnoses	5,391	0.03%
313: Knee & lower leg procedures except foot	85,808	0.48%
314: Foot & toe procedures	44,593	0.25%
315: Shoulder, upper arm & forearm procedures except joint replacement	74,726	0.42%
316: Hand & wrist procedures	13,111	0.07%
317: Tendon, muscle & other soft tissue procedures	21,477	0.12%
320: Other musculoskeletal system & connective tissue procedures	38,768	0.22%
321: Cervical spinal fusion & other back/neck proc exc disc excis/decomp	94,309	0.52%
322: Shoulder & elbow joint replacement	29,206	0.16%
340: Fracture of femur	16,516	0.09%
341: Fracture of pelvis or dislocation of hip	20,793	0.12%
342: Fractures & dislocations except femur, pelvis & back	42,116	0.23%

APRDRG	Frequency	Percent of Total
343: Musculoskeletal malignancy & pathol fracture d/t muscskel malig	17,605	0.10%
344: Osteomyelitis, septic arthritis & other musculoskeletal infections	35,084	0.20%
346: Connective tissue disorders	20,756	0.12%
347: Other back & neck disorders, fractures & injuries	102,196	0.57%
349: Malfunction, reaction, complic of orthopedic device or procedure	17,423	0.10%
351: Other musculoskeletal system & connective tissue diagnoses	91,609	0.51%
361: Skin graft for skin & subcutaneous tissue diagnoses	17,503	0.10%
362: Mastectomy procedures	17,112	0.10%
363: Breast procedures except mastectomy	10,107	0.06%
364: Other skin, subcutaneous tissue & related procedures	49,310	0.27%
380: Skin ulcers	31,495	0.18%
381: Major skin disorders	4,773	0.03%
382: Malignant breast disorders	5,749	0.03%
383: Cellulitis & other skin infections	259,215	1.44%
384: Contusion, open wound & other trauma to skin & subcutaneous tissue	29,500	0.16%
385: Other skin, subcutaneous tissue & breast disorders	22,717	0.13%
401: Adrenal procedures	3,072	0.02%
403: Procedures for obesity	103,927	0.58%
404: Thyroid, parathyroid & thyroglossal procedures	11,165	0.06%
405: Other procedures for endocrine, nutritional & metabolic disorders	4,312	0.02%
420: Diabetes	202,937	1.13%
421: Malnutrition, failure to thrive & other nutritional disorders	20,259	0.11%
422: Hypovolemia & related electrolyte disorders	57,362	0.32%
423: Inborn errors of metabolism	4,310	0.02%
424: Other endocrine disorders	13,485	0.08%
425: Other non-hypovolemic electrolyte disorders	61,474	0.34%

APRDRG	Frequency	Percent of Total
426: Non-hypovolemic sodium disorders	76,514	0.43%
427: Thyroid disorders	9,188	0.05%
440: Kidney transplant	10,003	0.06%
441: Major bladder procedures	7,523	0.04%
442: Kidney & urinary tract procedures for malignancy	26,075	0.15%
443: Kidney & urinary tract procedures for nonmalignancy	30,589	0.17%
444: Renal dialysis access device and vessel repair	6,087	0.03%
445: Other bladder procedures	5,652	0.03%
446: Urethral & transurethral procedures	30,408	0.17%
447: Other kidney, urinary tract & related procedures	4,755	0.03%
461: Kidney & urinary tract malignancy	7,569	0.04%
462: Nephritis & nephrosis	5,242	0.03%
463: Kidney & urinary tract infections	266,674	1.48%
465: Urinary stones & acquired upper urinary tract obstruction	44,042	0.24%
466: Malfunction, reaction, complic of genitourinary device or proc	98,465	0.55%
468: Other kidney & urinary tract diagnoses, signs & symptoms	31,758	0.18%
469: Acute kidney injury	286,691	1.59%
470: Chronic kidney disease	30,807	0.17%
480: Major male pelvic procedures	24,660	0.14%
482: Transurethral prostatectomy	10,601	0.06%
483: Penis, testes & scrotal procedures	5,653	0.03%
484: Other male reproductive system & related procedures	15,706	0.09%
500: Malignancy, male reproductive system	4,122	0.02%
501: Male reproductive system diagnoses except malignancy	19,219	0.11%
510: Pelvic evisceration, radical hysterectomy & other radical GYN procs	4,171	0.02%
511: Uterine & adnexa procedures for ovarian & adnexal malignancy	7,843	0.04%

APRDRG	Frequency	Percent of Total
512: Uterine & adnexa procedures for non-ovarian & non-adnexal malig	9,799	0.05%
513: Uterine & adnexa procedures for non-malignancy except leiomyoma	52,687	0.29%
514: Female reproductive system reconstructive procedures	5,015	0.03%
517: Dilation & curettage for non-obstetric diagnoses	3,429	0.02%
518: Other female reproductive system & related procedures	7,298	0.04%
519: Uterine & adnexa procedures for leiomyoma	48,490	0.27%
530: Female reproductive system malignancy	9,606	0.05%
531: Female reproductive system infections	12,074	0.07%
532: Menstrual & other female reproductive system disorders	11,939	0.07%
540: Cesarean delivery	641,110	3.57%
541: Vaginal delivery w sterilization &/or D&C	41,082	0.23%
542: Vaginal delivery w complicating procedures exc sterilization &/or D&C	33,289	0.19%
544: D&C, aspiration curettage or hysterotomy for obstetric diagnoses	7,105	0.04%
545: Ectopic pregnancy procedure	4,388	0.02%
546: Other O.R. proc for obstetric diagnoses except delivery diagnoses	4,500	0.03%
560: Vaginal delivery	1,273,177	7.08%
561: Postpartum & post abortion diagnoses w/o procedure	28,151	0.16%
563: Preterm labor	17,889	0.10%
564: Abortion w/o D&C, aspiration curettage or hysterotomy	2,205	0.01%
565: False labor	4,254	0.02%
566: Other antepartum diagnoses	89,627	0.50%
580: Neonate, transferred <5 days old, not born here	197	0.00%
581: Neonate, transferred < 5 days old, born here	4,806	0.03%
583: Neonate w ECMO	166	0.00%
588: Neonate bwt <1500g w major procedure	658	0.00%
589: Neonate bwt <500g or GA <24 weeks	5,202	0.03%

APRDRG	Frequency	Percent of Total
591: Neonate birthwt 500-749g w/o major procedure	1,007	0.01%
593: Neonate birthwt 750-999g w/o major procedure	1,751	0.01%
602: Neonate bwt 1000-1249g w resp dist synd/oth maj resp or maj anom	1,910	0.01%
603: Neonate birthwt 1000-1249g w or w/o other significant condition	415	0.00%
607: Neonate bwt 1250-1499g w resp dist synd/oth maj resp or maj anom	2,195	0.01%
608: Neonate bwt 1250-1499g w or w/o other significant condition	1,030	0.01%
609: Neonate bwt 1500-2499g w major procedure	421	0.00%
611: Neonate birthwt 1500-1999g w major anomaly	1,302	0.01%
612: Neonate bwt 1500-1999g w resp dist synd/oth maj resp cond	3,694	0.02%
613: Neonate birthwt 1500-1999g w congenital/perinatal infection	273	0.00%
614: Neonate bwt 1500-1999g w or w/o other significant condition	6,485	0.04%
621: Neonate bwt 2000-2499g w major anomaly	1,542	0.01%
622: Neonate bwt 2000-2499g w resp dist synd/oth maj resp cond	3,840	0.02%
623: Neonate bwt 2000-2499g w congenital/perinatal infection	564	0.00%
625: Neonate bwt 2000-2499g w other significant condition	3,683	0.02%
626: Neonate bwt 2000-2499g, normal newborn or neonate w other problem	26,220	0.15%
630: Neonate birthwt >2499g w major cardiovascular procedure	575	0.00%
631: Neonate birthwt >2499g w other major procedure	821	0.00%
633: Neonate birthwt >2499g w major anomaly	9,615	0.05%
634: Neonate, birthwt >2499g w resp dist synd/oth maj resp cond	11,600	0.06%
636: Neonate birthwt >2499g w congenital/perinatal infection	4,284	0.02%
639: Neonate birthwt >2499g w other significant condition	16,116	0.09%
640: Neonate birthwt >2499g, normal newborn or neonate w other problem	693,084	3.86%
650: Splenectomy	2,662	0.01%
651: Other procedures of blood & blood-forming organs	3,273	0.02%
660: Major hematologic/immunologic diag exc sickle cell crisis & coagul	47,711	0.27%

APRDRG	Frequency	Percent of Total
661: Coagulation & platelet disorders	23,866	0.13%
662: Sickle cell anemia crisis	48,420	0.27%
663: Other anemia & disorders of blood & blood-forming organs	103,525	0.58%
680: Major O.R. procedures for lymphatic/hematopoietic/other neoplasms	8,897	0.05%
681: Other O.R. procedures for lymphatic/hematopoietic/other neoplasms	13,201	0.07%
690: Acute leukemia	10,873	0.06%
691: Lymphoma, myeloma & non-acute leukemia	27,774	0.15%
692: Radiotherapy	1,066	0.01%
694: Lymphatic & other malignancies & neoplasms of uncertain behavior	16,094	0.09%
695: Chemotherapy for acute leukemia	14,068	0.08%
696: Other chemotherapy	55,110	0.31%
710: Infectious & parasitic diseases including HIV w O.R. procedure	121,302	0.67%
711: Post-op, post-trauma, other device infections w O.R. procedure	34,551	0.19%
720: Septicemia & disseminated infections	1,007,110	5.60%
721: Post-operative, post-traumatic, other device infections	71,351	0.40%
722: Fever	20,709	0.12%
723: Viral illness	21,745	0.12%
724: Other infectious & parasitic diseases	20,386	0.11%
740: Mental illness diagnosis w O.R. procedure	2,260	0.01%
750: Schizophrenia	189,525	1.05%
751: Major depressive disorders & other/unspecified psychoses	239,092	1.33%
752: Disorders of personality & impulse control	7,106	0.04%
753: Bipolar disorders	177,354	0.99%
754: Depression except major depressive disorder	73,416	0.41%
755: Adjustment disorders & neuroses except depressive diagnoses	26,670	0.15%
756: Acute anxiety & delirium states	25,855	0.14%

APRDRG	Frequency	Percent of Total
757: Organic mental health disturbances	36,051	0.20%
758: Behavioral disorders	10,282	0.06%
759: Eating disorders	1,686	0.01%
760: Other mental health disorders	5,865	0.03%
770: Drug & alcohol abuse or dependence, left against medical advice	29,663	0.16%
772: Alcohol & drug dependence w rehab or rehab/detox therapy	27,459	0.15%
773: Opioid abuse & dependence	42,524	0.24%
774: Cocaine abuse & dependence	14,406	0.08%
775: Alcohol abuse & dependence	123,444	0.69%
776: Other drug abuse & dependence	19,172	0.11%
792: Extensive OR procedures for other complications of treatment	10,683	0.06%
793: Moderately extensive OR procedures for other complications of treatment	18,621	0.10%
794: Non-extensive OR procedures for other complications of treatment	3,328	0.02%
810: Hemorrhage or hematoma due to complication	10,653	0.06%
811: Allergic reactions	14,461	0.08%
812: Poisoning of medicinal agents	77,428	0.43%
813: Other complications of treatment	32,074	0.18%
815: Other injury, poisoning & toxic effect diagnoses	8,288	0.05%
816: Toxic effects of non-medicinal substances	27,619	0.15%
817: Overdose	24,834	0.14%
841: Extensive 3rd degree burns w skin graft	512	0.00%
842: Burns w skin graft except extensive 3rd degree burns	6,893	0.04%
843: Extensive 3rd degree or full thickness burns w/o skin graft	175	0.00%
844: Partial thickness burns w/o skin graft	7,776	0.04%
850: Procedure w diag of rehab, aftercare or oth contact w health service	21,278	0.12%
860: Rehabilitation	22,143	0.12%

APRDRG	Frequency	Percent of Total
861: Signs, symptoms & other factors influencing health status	83,218	0.46%
862: Other aftercare & convalescence	37,785	0.21%
863: Neonatal aftercare	659	0.00%
890: HIV w multiple major HIV related conditions	11,646	0.06%
892: HIV w major HIV related condition	10,387	0.06%
893: HIV w multiple significant HIV related conditions	2,119	0.01%
894: HIV w one signif HIV cond or w/o signif related cond	5,340	0.03%
910: Craniotomy for multiple significant trauma	1,836	0.01%
911: Extensive abdominal/thoracic procedures for mult significant trauma	7,307	0.04%
912: Musculoskeletal & other procedures for multiple significant trauma	23,744	0.13%
930: Multiple significant trauma w/o O.R. procedure	21,570	0.12%
950: Extensive procedure unrelated to principal diagnosis	46,335	0.26%
951: Moderately extensive procedure unrelated to principal diagnosis	56,912	0.32%
952: Nonextensive procedure unrelated to principal diagnosis	25,671	0.14%
955: Principal diagnosis invalid as discharge diagnosis	221	0.00%
956: Ungroupable	10,319	0.06%

18:56 Friday, November 22, 2019 15 HCUP Summary Statistics Report: NRD 2017 Severity File Frequency Distribution for APRDRG_RISK_MORTALITY

APRDRG_Risk_Mortality	Frequency	Percent of Total
0: No class specified	10,540	0.06%
1: Minor likelihood of dying	9,008,198	50.10%
2: Moderate likelihood of dying	4,156,541	23.12%
3: Major likelihood of dying	3,426,260	19.06%
4: Extreme likelihood of dying	1,377,215	7.66%

APRDRG_Severity	Frequency	Percent of Total
0: No class specified	10,540	0.06%
1: Minor loss of function (includes cases with no comorbidity or complications)	4,928,269	27.41%
2: Moderate loss of function	6,757,403	37.59%
3: Major loss of function	4,784,611	26.61%
4: Extreme loss of function	1,497,931	8.33%