### HCUP Summary Statistics Report: NRD 2021 Severity File Means of Continuous Data Elements

Variable / Label	N	N Miss	Minimum	Maximum	Mean	Median	Sum
APRDRG : All Patient Refined DRG	16,805,508	0	1.00	956.00	394.18	340	6,624,448,895
APRDRG_Risk_Mortality : All Patient Refined DRG: Risk of Mortality Subclass	16,805,508	0	0.00	4.00	2.02	2	34,017,816
APRDRG_Severity : All Patient Refined DRG: Severity of Illness Subclass	16,805,508	0	0.00	4.00	2.25	2	37,866,692
HOSP_NRD : NRD hospital identifier	16,805,508	0	81,001.00	84,754.00	82,851.78	82,847	1392366205716

APRDRG	Frequency	Percent of Total
1: Liver transplant and/or intestinal transplant	4,926	0.03%
2: Heart and/or lung transplant	3,359	0.02%
4: Tracheostomy with MV >96 hours with extensive procedure	19,851	0.12%
5: Tracheostomy with MV >96 hours without extensive procedure	30,487	0.18%
6: Pancreas transplant	462	0.00%
7: Allogeneic bone marrow transplant	4,420	0.03%
8: Autologous bone marrow transplant or T-cell immunotherapy	7,682	0.05%
9: Extracorporeal membrane oxygenation (ECMO)	6,931	0.04%
20: Open craniotomy for trauma	9,922	0.06%
21: Open craniotomy except trauma	65,222	0.39%
22: Ventricular shunt procedures	9,281	0.06%
23: Spinal procedures	14,907	0.09%
24: Open extracranial vascular procedures	34,782	0.21%
26: Other nervous system and related procedures	10,647	0.06%
27: Other open craniotomy	4,684	0.03%
29: Other percutaneous intracranial procedures	9,304	0.06%
30: Percutaneous intracranial and extracranial vascular procedures	47,111	0.28%
40: Spinal disorders and injuries	4,142	0.02%
41: Nervous system malignancy	23,304	0.14%
42: Degenerative nervous system disorders except multiple sclerosis	71,374	0.42%
43: Multiple sclerosis, other demyelinating disease and inflammatory neuropathies	15,412	0.09%
44: Intracranial hemorrhage	47,796	0.28%
45: CVA and precerebral occlusion with infarction	264,974	1.58%
46: Nonspecific CVA and precerebral occlusion without infarction	8,541	0.05%
47: Transient ischemia	45,057	0.27%
48: Peripheral, cranial and autonomic nerve disorders	36,291	0.22%

APRDRG	Frequency	Percent of Total
49: Bacterial and tuberculous infections of nervous system	8,006	0.05%
50: Non-bacterial infections of nervous system except viral meningitis	8,488	0.05%
51: Viral meningitis	2,519	0.01%
52: Alteration in consciousness	80,044	0.48%
53: Seizure	124,631	0.74%
54: Migraine and other headaches	22,522	0.13%
55: Head trauma with coma > 1 hour or hemorrhage	67,717	0.40%
56: Brain contusion or laceration and complicated skull fracture, coma < 1 hour or no coma	1,182	0.01%
57: Concussion, closed skull fracture NOS, and uncomplicated intracranial injury, coma < 1 hour or no coma	11,347	0.07%
58: Other disorders of nervous system	69,241	0.41%
59: Anoxic and other severe brain damage	2,554	0.02%
73: Orbit and eye procedures	4,209	0.03%
82: Eye infections and other eye disorders	16,459	0.10%
89: Major cranial or facial bone procedures	7,836	0.05%
91: Other major head and neck procedures	7,448	0.04%
92: Facial bone procedures except major cranial or facial bone procedures	9,254	0.06%
95: Cleft lip and palate repair	593	0.00%
97: Tonsil and adenoid procedures	2,450	0.01%
98: Other ear, nose, mouth and throat procedures	13,463	0.08%
110: Ear, nose, mouth, throat and cranial or facial malignancies	5,286	0.03%
111: Vertigo and other labyrinth disorders	20,720	0.12%
113: Infections of upper respiratory tract	21,508	0.13%
114: Dental diseases and disorders	4,696	0.03%
115: Other ear, nose, mouth, throat and cranial or facial diagnoses	29,567	0.18%
120: Major respiratory and chest procedures	21,768	0.13%
121: Other respiratory and chest procedures	48,314	0.29%

APRDRG	Frequency	Percent of Total
130: Respiratory system diagnosis with ventilator support > 96 hours	64,596	0.38%
131: Cystic fibrosis - pulmonary disease	3,313	0.02%
132: BPD and other chronic respiratory diseases arising in perinatal period	1,842	0.01%
133: Respiratory failure	175,051	1.04%
134: Pulmonary embolism	102,348	0.61%
135: Major chest and respiratory trauma	47,998	0.29%
136: Respiratory malignancy	41,175	0.25%
137: Major respiratory infections and inflammations	851,740	5.07%
138: Bronchiolitis and RSV pneumonia	24,257	0.14%
139: Other pneumonia	204,069	1.21%
140: Chronic obstructive pulmonary disease	164,700	0.98%
141: Asthma	50,824	0.30%
142: Interstitial and alveolar lung diseases	17,310	0.10%
143: Other respiratory diagnoses except signs, symptoms and miscellaneous diagnoses	50,878	0.30%
144: Respiratory signs, symptoms and miscellaneous diagnoses	16,197	0.10%
145: Acute bronchitis and related symptoms	17,155	0.10%
160: Major cardiothoracic repair of heart anomaly	1,848	0.01%
161: Implantable heart assist systems	1,475	0.01%
162: Cardiac valve procedures with AMI or complex principal diagnosis	7,689	0.05%
163: Cardiac valve procedures without AMI or complex principal diagnosis	39,007	0.23%
165: Coronary bypass with AMI or complex principal diagnosis	29,189	0.17%
166: Coronary bypass without AMI or complex principal diagnosis	57,492	0.34%
167: Other cardiothoracic and thoracic vascular procedures	15,862	0.09%
169: Major abdominal vascular procedures	40,999	0.24%
170: Permanent cardiac pacemaker implant with AMI, heart failure or shock	810	0.00%
171: Permanent cardiac pacemaker implant without AMI, heart failure or shock	55,265	0.33%

APRDRG	Frequency	Percent of Total
174: Percutaneous cardiac intervention with AMI	153,674	0.91%
175: Percutaneous cardiac intervention without AMI	125,835	0.75%
176: Insertion, revision and replacements of pacemaker and other cardiac devices	5,935	0.04%
177: Cardiac pacemaker and defibrillator revision except device replacement	3,033	0.02%
178: External heart assist systems	5,286	0.03%
179: Defibrillator implants	22,910	0.14%
180: Other circulatory system procedures	14,884	0.09%
181: Lower extremity arterial procedures	40,405	0.24%
182: Other peripheral vascular procedures	62,521	0.37%
183: Percutaneous structural cardiac procedures	58,083	0.35%
190: Acute myocardial infarction	118,870	0.71%
191: Cardiac catheterization for coronary artery disease	34,654	0.21%
192: Cardiac catheterization for other non-coronary conditions	120,439	0.72%
193: Acute and subacute endocarditis	4,221	0.03%
194: Heart failure	581,671	3.46%
196: Cardiac arrest and shock	12,914	0.08%
197: Peripheral and other vascular disorders	69,590	0.41%
198: Angina pectoris and coronary atherosclerosis	48,836	0.29%
199: Hypertension	77,281	0.46%
200: Cardiac structural and valvular disorders	8,439	0.05%
201: Cardiac arrhythmia and conduction disorders	238,543	1.42%
203: Chest pain	36,652	0.22%
204: Syncope and collapse	70,600	0.42%
205: Cardiomyopathy	2,921	0.02%
206: Malfunction, reaction, complication of cardiac or vascular device or procedure	21,818	0.13%
207: Other circulatory system diagnoses	51,643	0.31%

APRDRG	Frequency	Percent of Total
220: Major stomach, esophageal and duodenal procedures	38,851	0.23%
222: Other stomach, esophageal and duodenal procedures	6,661	0.04%
223: Other small and large bowel procedures	15,803	0.09%
224: Peritoneal adhesiolysis	19,507	0.12%
226: Anal procedures	7,693	0.05%
227: Hernia procedures except inguinal, femoral and umbilical	30,428	0.18%
228: Inguinal, femoral and umbilical hernia procedures	15,045	0.09%
229: Other digestive system and abdominal procedures	18,952	0.11%
230: Major small bowel procedures	79,426	0.47%
231: Major large bowel procedures	118,674	0.71%
232: Gastric fundoplication	1,010	0.01%
233: Appendectomy with complex principal diagnosis	23,104	0.14%
234: Appendectomy without complex principal diagnosis	29,906	0.18%
240: Digestive malignancy	42,642	0.25%
241: Peptic ulcer and gastritis	116,137	0.69%
242: Major esophageal disorders	22,829	0.14%
243: Other esophageal disorders	37,640	0.22%
244: Diverticulitis and diverticulosis	113,313	0.67%
245: Inflammatory bowel disease	39,555	0.24%
246: Gastrointestinal vascular insufficiency	14,807	0.09%
247: Intestinal obstruction	128,877	0.77%
248: Major gastrointestinal and peritoneal infections	58,239	0.35%
249: Other gastroenteritis, nausea and vomiting	108,047	0.64%
251: Abdominal pain	21,580	0.13%
252: Malfunction, reaction and complication of gastrointestinal device or procedure	29,378	0.17%
253: Other and unspecified gastrointestinal hemorrhage	82,788	0.49%

APRDRG	Frequency	Percent of Total
254: Other digestive system diagnoses	136,975	0.82%
260: Major pancreas, liver and shunt procedures	19,765	0.12%
261: Major biliary tract procedures	2,402	0.01%
263: Cholecystectomy	121,284	0.72%
264: Other hepatobiliary, pancreas and abdominal procedures	6,838	0.04%
279: Hepatic coma and other major acute liver disorders	46,355	0.28%
280: Alcoholic liver disease	69,995	0.42%
281: Malignancy of hepatobiliary system and pancreas	33,985	0.20%
282: Disorders of pancreas except malignancy	133,383	0.79%
283: Other disorders of the liver	41,408	0.25%
284: Disorders of gallbladder and biliary tract	61,837	0.37%
303: Dorsal and lumbar fusion procedure for curvature of back	10,223	0.06%
304: Dorsal and lumbar fusion procedure except for curvature of back	127,206	0.76%
305: Amputation of lower limb except toes	44,866	0.27%
308: Hip and femur fracture repair	137,167	0.82%
309: Other significant hip and femur surgery	17,213	0.10%
310: Intervertebral disc excision and decompression	31,023	0.18%
312: Skin graft, except hand, for musculoskeletal and connective tissue diagnoses	5,118	0.03%
313: Knee and lower leg procedures except foot	80,048	0.48%
314: Foot and toe procedures	43,221	0.26%
315: Shoulder, upper arm and forearm procedures except joint replacement	34,706	0.21%
316: Hand and wrist procedures	13,613	0.08%
317: Tendon, muscle and other soft tissue procedures	21,404	0.13%
320: Other musculoskeletal system and connective tissue procedures	25,971	0.15%
321: Cervical spinal fusion and other back or neck procedures except disc excision or decompression	66,156	0.39%
322: Shoulder and elbow joint replacement	35,865	0.21%

APRDRG	Frequency	Percent of Total
323: Non-elective or complex hip joint replacement	87,663	0.52%
324: Elective hip joint replacement	81,921	0.49%
325: Non-elective or complex knee joint replacement	24,370	0.15%
326: Elective knee joint replacement	118,405	0.70%
340: Fracture of femur	15,197	0.09%
341: Fracture of pelvis or dislocation of hip	18,074	0.11%
342: Fractures and dislocations except femur, pelvis and back	40,391	0.24%
343: Musculoskeletal malignancy and pathological fracture due to musculoskeletal malignancy	15,407	0.09%
344: Osteomyelitis, septic arthritis and other musculoskeletal infections	35,592	0.21%
346: Connective tissue disorders	20,264	0.12%
347: Other back and neck disorders, fractures and injuries	97,494	0.58%
349: Malfunction, reaction, complication of orthopedic device or procedure	17,275	0.10%
351: Other musculoskeletal system and connective tissue diagnoses	84,175	0.50%
361: Skin graft for skin and subcutaneous tissue diagnoses	7,612	0.05%
362: Mastectomy procedures	11,117	0.07%
363: Breast procedures except mastectomy	6,920	0.04%
364: Other skin, subcutaneous tissue and related procedures	40,745	0.24%
380: Skin ulcers	29,108	0.17%
381: Major skin disorders	3,828	0.02%
382: Malignant breast disorders	4,789	0.03%
383: Cellulitis and other skin infections	177,134	1.05%
384: Contusion, open wound and other trauma to skin and subcutaneous tissue	20,700	0.12%
385: Other skin, subcutaneous tissue and breast disorders	17,837	0.11%
401: Adrenal procedures	3,488	0.02%
403: Procedures for obesity	107,381	0.64%
404: Thyroid, parathyroid and thyroglossal procedures	7,782	0.05%

APRDRG	Frequency	Percent of Total
405: Other procedures for endocrine, nutritional and metabolic disorders	4,219	0.03%
420: Diabetes	198,853	1.18%
421: Malnutrition, failure to thrive and other nutritional disorders	27,245	0.16%
422: Hypovolemia and related electrolyte disorders	48,224	0.29%
423: Inborn errors of metabolism	4,160	0.02%
424: Other endocrine disorders	13,168	0.08%
425: Other non-hypovolemic electrolyte disorders	72,187	0.43%
426: Non-hypovolemic sodium disorders	93,354	0.56%
427: Thyroid disorders	7,937	0.05%
440: Kidney transplant	12,692	0.08%
441: Major bladder procedures	7,645	0.05%
442: Kidney and urinary tract procedures for malignancy	22,569	0.13%
443: Kidney and urinary tract procedures for non-malignancy	24,456	0.15%
444: Renal dialysis access device procedures and vessel repair	8,554	0.05%
445: Other bladder procedures	5,282	0.03%
446: Urethral and transurethral procedures	28,086	0.17%
447: Other kidney, urinary tract and related procedures	4,448	0.03%
461: Kidney and urinary tract malignancy	6,901	0.04%
462: Nephritis and nephrosis	5,034	0.03%
463: Kidney and urinary tract infections	227,225	1.35%
465: Urinary stones and acquired upper urinary tract obstruction	33,722	0.20%
466: Malfunction, reaction, complication of genitourinary device or procedure	121,961	0.73%
468: Other kidney and urinary tract diagnoses, signs and symptoms	26,157	0.16%
469: Acute kidney injury	259,322	1.54%
470: Chronic kidney disease	24,804	0.15%
480: Major male pelvic procedures	10,615	0.06%

APRDRG	Frequency	Percent of Total
482: Transurethral prostatectomy	7,721	0.05%
483: Penis, testes and scrotal procedures	4,654	0.03%
484: Other male reproductive system and related procedures	10,278	0.06%
500: Malignancy, male reproductive system	3,346	0.02%
501: Male reproductive system diagnoses except malignancy	16,424	0.10%
510: Pelvic evisceration, radical hysterectomy and other radical gynecological procedures	2,473	0.01%
511: Uterine and adnexa procedures for ovarian and adnexal malignancy	7,510	0.04%
512: Uterine and adnexa procedures for non-ovarian and non-adnexal malignancy	7,966	0.05%
513: Uterine and adnexa procedures for non-malignancy except leiomyoma	31,434	0.19%
514: Female reproductive system reconstructive procedures	2,199	0.01%
517: Dilation and curettage for non-obstetric diagnoses	2,764	0.02%
518: Other female reproductive system and related procedures	5,569	0.03%
519: Uterine and adnexa procedures for leiomyoma	32,950	0.20%
530: Female reproductive system malignancy	8,779	0.05%
531: Female reproductive system infections	8,998	0.05%
532: Menstrual and other female reproductive system disorders	10,050	0.06%
539: Cesarean section with sterilization	91,024	0.54%
540: Cesarean section without sterilization	517,251	3.08%
541: Vaginal delivery with sterilization and/or D&C	17,663	0.11%
542: Vaginal delivery with O.R. procedure except sterilization and/or D&C	43,642	0.26%
543: Abortion with D&C, aspiration curettage or hysterotomy	3,363	0.02%
547: Antepartum with O.R. procedure	10,906	0.06%
548: Postpartum and post abortion diagnosis with O.R. procedure	6,386	0.04%
560: Vaginal delivery	1,206,053	7.18%
561: Postpartum and post abortion diagnoses without procedure	38,077	0.23%
564: Abortion without D&C, aspiration curettage or hysterotomy	3,828	0.02%

APRDRG	Frequency	Percent of Total
566: Antepartum without O.R. procedure	102,668	0.61%
580: Neonate, transferred < 5 days old, not born here	235	0.00%
581: Neonate, transferred < 5 days old, born here	5,560	0.03%
583: Neonate with ECMO	228	0.00%
588: Neonate birth weight < 1500 grams with major procedure	587	0.00%
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	1,183	0.01%
591: Neonate birth weight 500-749 grams without major procedure	979	0.01%
593: Neonate birth weight 750-999 grams without major procedure	1,797	0.01%
602: Neonate birth weight 1000-1249 grams with respiratory distress syndrome or other major respiratory condition or major anomaly	2,051	0.01%
603: Neonate birth weight 1000-1249 grams with or without significant condition	309	0.00%
607: Neonate birth weight 1250-1499 grams with respiratory distress syndrome or other major respiratory condition or major anomaly	2,574	0.02%
608: Neonate birth weight 1250-1499 grams with or without significant condition	872	0.01%
609: Neonate birth weight 1500-2499 grams with major procedure	469	0.00%
611: Neonate birth weight 1500-1999 grams with major anomaly	1,460	0.01%
612: Neonate birth weight 1500-1999 grams with respiratory distress syndrome or other major respiratory condition	4,978	0.03%
613: Neonate birth weight 1500-1999 grams with congenital or perinatal infection	178	0.00%
614: Neonate birth weight 1500-1999 grams with or without other significant condition	6,936	0.04%
621: Neonate birth weight 2000-2499 grams with major anomaly	2,197	0.01%
622: Neonate birth weight 2000-2499 grams with respiratory distress syndrome or other major respiratory condition	5,363	0.03%
623: Neonate birth weight 2000-2499 grams with congenital or perinatal infection	392	0.00%
625: Neonate birth weight 2000-2499 grams with other significant condition	4,404	0.03%
626: Neonate birth weight 2000-2499 grams, normal newborn or neonate with other problem	31,117	0.19%
630: Neonate birth weight > 2499 grams with major cardiovascular procedure	719	0.00%

APRDRG	Frequency	Percent of Total
631: Neonate birth weight > 2499 grams with other major procedure	1,210	0.01%
633: Neonate birth weight > 2499 grams with major anomaly	13,439	0.08%
634: Neonate birth weight > 2499 grams with respiratory distress syndrome or other major respiratory condition	17,205	0.10%
636: Neonate birth weight > 2499 grams with congenital or perinatal infection	2,783	0.02%
639: Neonate birth weight > 2499 grams with other significant condition	20,834	0.12%
640: Neonate birth weight > 2499 grams, normal newborn or neonate with other problem	743,953	4.43%
650: Splenectomy	2,005	0.01%
651: Other procedures of blood and blood-forming organs	1,990	0.01%
660: Major hematologic or immunologic diagnoses except sickle cell crisis and coagulation	39,950	0.24%
661: Coagulation and platelet disorders	24,192	0.14%
662: Sickle cell anemia crisis	40,435	0.24%
663: Other anemia and disorders of blood and blood-forming organs	96,610	0.57%
680: Major O.R. procedures for lymphatic, hematopoietic or other neoplasms	10,505	0.06%
681: Other O.R. procedures for lymphatic, hematopoietic or other neoplasms	10,574	0.06%
690: Acute leukemia	13,157	0.08%
691: Lymphoma, myeloma and non-acute leukemia	25,832	0.15%
692: Radiotherapy	810	0.00%
694: Lymphatic and other malignancies and neoplasms of uncertain behavior	16,102	0.10%
695: Chemotherapy for acute leukemia	14,869	0.09%
696: Other chemotherapy	45,011	0.27%
710: Infectious and parasitic diseases including HIV with O.R. procedure	145,679	0.87%
711: Post-operative, post-trauma, other device infections with O.R. procedure	35,458	0.21%
720: Septicemia and disseminated infections	1,178,712	7.01%
721: Post-operative, post-traumatic, other device infections	66,449	0.40%
722: Fever and inflammatory conditions	14,667	0.09%
723: Viral illness	12,247	0.07%

APRDRG	Frequency	Percent of Total
724: Other infectious and parasitic diseases	20,792	0.12%
740: Mental illness diagnosis with O.R. procedure	2,020	0.01%
750: Schizophrenia	170,144	1.01%
751: Major depressive disorders and other or unspecified psychoses	208,801	1.24%
752: Disorders of personality and impulse control	6,673	0.04%
753: Bipolar disorders	146,290	0.87%
754: Depression except major depressive disorder	47,651	0.28%
755: Adjustment disorders and neuroses except depressive diagnoses	23,593	0.14%
756: Acute anxiety and delirium states	23,996	0.14%
757: Organic mental health disturbances	4,564	0.03%
758: Behavioral disorders	6,852	0.04%
759: Eating disorders	3,292	0.02%
760: Other mental health disorders	6,613	0.04%
770: Drug and alcohol abuse or dependence, left against medical advice	32,649	0.19%
772: Alcohol and drug dependence with rehabilitation and/or detoxification therapy	19,619	0.12%
773: Opioid abuse and dependence	33,650	0.20%
774: Cocaine abuse and dependence	13,301	0.08%
775: Alcohol abuse and dependence	140,153	0.83%
776: Other drug abuse and dependence	20,767	0.12%
792: Extensive O.R. procedures for other complications of treatment	10,983	0.07%
793: Moderately extensive O.R. procedures for other complications of treatment	15,926	0.09%
794: Non-extensive O.R. procedures for other complications of treatment	3,054	0.02%
810: Hemorrhage or hematoma due to complication	9,858	0.06%
811: Allergic reactions	12,210	0.07%
812: Poisoning of medicinal agents	59,862	0.36%
813: Other complications of treatment	32,277	0.19%

APRDRG	Frequency	Percent of Total
815: Other injury, poisoning and toxic effect diagnoses	8,140	0.05%
816: Toxic effects of non-medicinal substances	22,439	0.13%
817: Intentional self-harm and attempted suicide	35,281	0.21%
841: Extensive third degree burns with skin graft	445	0.00%
842: Burns with skin graft except extensive third degree burns	6,718	0.04%
843: Extensive third degree burns without skin graft	1,683	0.01%
844: Partial thickness burns without skin graft	4,635	0.03%
850: Procedure with diagnosis of rehabilitation, aftercare or other contact with health services	11,637	0.07%
860: Rehabilitation	12,183	0.07%
861: Signs, symptoms and other factors influencing health status	59,204	0.35%
862: Other aftercare and convalescence	27,736	0.17%
863: Neonatal aftercare	713	0.00%
890: HIV with multiple major HIV related conditions	9,826	0.06%
892: HIV with major HIV related condition	6,832	0.04%
893: HIV with multiple significant HIV related conditions	1,407	0.01%
894: HIV with one significant HIV condition or without significant related conditions	2,560	0.02%
910: Craniotomy for multiple significant trauma	2,450	0.01%
911: Extensive abdominal or thoracic procedures for multiple significant trauma	9,786	0.06%
912: Musculoskeletal and other procedures for multiple significant trauma	32,711	0.19%
930: Multiple significant trauma without O.R. procedure	25,457	0.15%
950: Extensive O.R. procedure unrelated to principal diagnosis	31,268	0.19%
951: Moderately extensive O.R. procedure unrelated to principal diagnosis	42,727	0.25%
952: Non-extensive O.R. procedure unrelated to principal diagnosis	17,692	0.11%
955: Principal diagnosis invalid as discharge diagnosis	4,585	0.03%
956: Ungroupable	8,715	0.05%

APRDRG_Risk_Mortality	Frequency	Percent of Total
0: No class specified	13,300	0.08%
1: Minor likelihood of dying	7,514,695	44.72%
2: Moderate likelihood of dying	3,616,325	21.52%
3: Major likelihood of dying	3,374,281	20.08%
4: Extreme likelihood of dying	2,286,907	13.61%

APRDRG_Severity	Frequency	Percent of Total
0: No class specified	13,300	0.08%
1: Minor loss of function (includes cases with no comorbidity or complications)	4,368,926	26.00%
2: Moderate loss of function	6,043,243	35.96%
3: Major loss of function	4,108,876	24.45%
4: Extreme loss of function	2,271,163	13.51%