

Exclude cases:

- with principal diagnosis of acute respiratory failure or secondary diagnosis present on admission
- where a procedure for tracheostomy is the only operating room procedure.
- where a procedure for tracheostomy occurs before the first operating room procedure.

Note: If day of procedure is not available in the input data file, the rate may be slightly lower than if the information was available.

- with any ICD-9-CM diagnosis code of neuromuscular disorder
- with respiratory or circulatory diseases (MDC 4 and 5)
- with any diagnosis code of craniofacial anomalies with
 - 1) a procedure code for laryngeal or pharyngeal surgery *or*
 - 2) a procedure on face
- with a procedure for esophageal resection
- with a procedure for lung cancer
- with a procedure for ENT/neck
- with any diagnosis code of degenerative neurological disorder
- MDC 14 (Pregnancy, Childbirth, and Puerperium)
- neonates with birth weight less than 500 grams (Birth Weight Category 1)
- with missing discharge gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1=missing)

See *Pediatric Quality Indicators Appendices*:

- Appendix I – Definitions of Neonate, Newborn, Normal Newborn, and Outborn
- Appendix L- Low Birth Weight Categories

ICD-9-CM Tracheostomy procedure codes:

3121	MEDIASTINAL TRACHEOSTOMY	3174	REVISION OF TRACHEOSTOMY
3129	OTHER PERM TRACHEOSTOMY		

ICD-9-CM Neuromuscular disorder codes:

3570	AC INFECT POLYNEURITIS	3593	FAMIL PERIODIC PARALYSIS
35800	MYSTHNA GRVS W/O AC EXAC	3594	TOXIC MYOPATHY
35801	MYASTHNA GRAVS W AC EXAC	3595	MYOPATHY IN ENDOCRIN DIS
3581	MYASTHENIA IN OTH DIS	3596	INFL MYOPATHY IN OTH DIS
3582	TOXIC MYONEURAL DISORDER	35971	INCLUSION BODY MYOSITIS IBM (OCT09)
3588	MYONEURAL DISORDERS NEC		
3589	MYONEURAL DISORDERS NOS	35979	OTHER INFLAMMATORY AND IMMUNE MYOPATHIES, NEC (OCT09)
3590	CONG HERED MUSC DYSTRPHY		
3591	HERED PROG MUSC DYSTRPHY	35981	CRITICAL ILLNESS MYOPATHY
3592	MYOTONIC DISORDERS	35989	MYOPATHIES NEC
35922	MYOTONIA CONGENITA	3599	MYOPATHY NOS
35923	MYOTONIC CHONDRODYSTRPHY		

ICD-9-CM Laryngeal or pharyngeal surgery codes:

253	COMPLETE GLOSSECTOMY	2953	CLOSURE OF OTHER FISTULA OF PHARYNX
254	RADICAL GLOSSECTOMY		
2731	LOCAL EXCISION OR DESTRUCTION OF LESION OR TISSUE OF BONY PALATE	2959	OTHER REPAIR OF PHARYNX
		2991	DILATION OF PHARYNX
290	PHARYNGOTOMY	3009	OTHER EXCISION OR DESTRUCTION OF LESION OR TISSUE OF LARYNX
2933	PHARYNGECTOMY (PARTIAL)		
2939	OTHER EXCISION OR DESTRUCTION OF LESION OR TISSUE OF PHARYNX	3021	EPIGLOTTIDECTOMY
		3022	VOCAL CORDECTOMY
294	PLASTIC OPERATION ON PHARYNX	3029	OTHER PARTIAL LARYNGECTOMY
		303	COMPLETE LARYNGECTOMY

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304	RADICAL LARYNGECTOMY	3175	RECONSTRUCTION OF TRACHEA AND
313	OTHER INCISION OF LARYNX OR		CONSTRUCTION OF ARTIFICIAL LARYNX
	TRACHEA	3179	OTHER REPAIR AND PLASTIC
315	LOCAL EXCISION OR DESTRUCTION OF		OPERATIONS ON TRACHEA
	LESION OR TISSUE OF TRACHEA	3198	OTHER OPERATIONS ON LARYNX
3169	OTHER REPAIR OF LARYNX	3199	OTHER OPERATIONS ON TRACHEA
3173	CLOSURE OF OTHER FISTULA OF		
	TRACHEA		

ICD-9-CM Procedure on face codes:

252	PARTIAL GLOSSECTOMY	7665	SEGMENTAL OSTEOPLASTY
2559	OTHER REPAIR AND PLASTIC		[OSTEOTOMY] OF MAXILLA
	OPERATIONS ON TONGUE	7666	TOTAL OSTEOPLASTY [OSTEOTOMY]
2732	WIDE EXCISION OR DESTRUCTION OF		OF MAXILLA
	LESION OR TISSUE OF BONY PALATE	7646	OTHER RECONSTRUCTION OF OTHER
2762	CORRECTION OF CLEFT PALATE		FACIAL BONE
2763	REVISION OF CLEFT PALATE REPAIR	7669	OTHER FACIAL BONE REPAIR
2769	OTHER PLASTIC REPAIR OF PALATE	7691	BONE GRAFT TO FACIAL BONE
2931	CRICOPHARYNGEAL MYOTOMY		

ICD-9-CM Craniofacial abnormality diagnosis codes:

74483	MACROSTOMIA	7483	CONGENITAL ANOMALIES OF SKULL
74484	MICROSTOMIA		AND FACE BONES
7449	UNSPECIFIED ANOMALIES OF FACE	7560	TRACHEOMALACIA AND CONGENITAL
	AND NECK		TRACHEAL STENOSIS

ICD-9-CM Esophageal resection procedure codes:

424	ESOPHAGECTOMY	4258	THORAC INTERPOSITION NEC
4240	ESOPHAGECTOMY NOS	4259	THORAC ESOPHAG ANAST NEC
4241	PARTIAL ESOPHAGECTOMY	426	STERN ESOPHAG ANAST
4242	TOTAL ESOPHAGECTOMY	4261	STERN ESOPHAGUESOPHAGOST
425	THORAC ESOPHAG ANAST	4262	STERN ESOPHAGOGASTROSTOM
4251	THORAC ESOPHAGUESOPHAGOS	4263	STERN SM BOWEL INTERPOS
4252	THORAC ESOPHAGOGASTROST	4264	STERN ESOPHAGOENTER NEC
4253	THORAC SM BOWEL INTERPOS	4265	STERN LG BOWEL INTERPOS
4254	THORAC ESOPHAGOENTER NEC	4266	STERN ESOPHAGOCOLOS NEC
4255	THORAC LG BOWEL INTERPOS	4268	STERN INTERPOSITION NEC
4256	THORAC ESOPHAGOCOLOS NEC	4269	STERN ESOPHAG ANAST NEC

ICD-9-CM Procedure on lung cancer codes:

3239	OTH SEG LUNG RESECT NOS	3259	OTHER PNEUMONECTOMY NOS
3249	LOBECTOMY OF LUNG NEC		

ICD-9-CM Procedure on nose, mouth and pharynx codes:

214	RESECTION OF NOSE	2264	SPHENOIDECTOMY
2161	DIATHER/CRYO TURBINECTOM	2271	NASAL SINUS FISTULA CLOS
2162	TURBINATE FRACTURE	2279	NASAL SINUS REPAIR NEC
2169	TURBINECTOMY NEC	229	OTHER NASAL SINUS OPS
2172	OPEN REDUCTION NASAL FX	242	GINGIVOPLASTY
2199	NASAL OPERATION NEC	251	DESTRUCTION TONGUE LES
2231	RADICAL MAXILLARY ANTROT	252	PARTIAL GLOSSECTOMY
2239	EXT MAXILLARY ANTROT NEC	253	COMPLETE GLOSSECTOMY
2241	FRONTAL SINUSOTOMY	254	RADICAL GLOSSECTOMY
2242	FRONTAL SINUSECTOMY	2559	REPAIR OF TONGUE NEC
2250	SINUSOTOMY NOS	2594	OTHER GLOSSOTOMY
2251	ETHMOIDOTOMY	2599	TONGUE OPERATION NEC
2252	SPHENOIDOTOMY	2621	SALIVARY CYST MARSUPIAL
2253	MULTIPLE SINUS INCISION	2629	SALIV LESION EXCIS NEC
2260	SINUSECTOMY NOS	2630	SIALOADENECTOMY NOS
2261	C-LUC EXC MAX SINUS LES	2631	PARTIAL SIALOADENECTOMY
2262	EXC MAX SINUS LESION NEC	2632	COMPLETE SIALOADENECTOMY
2263	ETHMOIDECTOMY	2641	SUTURE OF SALIV GLND LAC

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2642	SALIVARY FISTULA CLOSURE	2792	MOUTH INCISION NOS
2649	SALIVARY REPAIR NEC	2799	ORAL CAVITY OPS NEC
2699	SALIVARY OPERATION NEC	280	PERITONSILLAR I & D
270	DRAIN FACE & MOUTH FLOOR	284	EXCISION OF TONSIL TAG
271	INCISION OF PALATE	285	EXCISION LINGUAL TONSIL
2731	LOC EXC BONY PALATE LES	2891	INCIS TO REMOV TONSIL FB
2732	WIDE EXC BONY PALATE LES	2892	EXCIS TONSIL/ADENOID LES
2742	WIDE EXCISION OF LIP LES	2899	TONSIL/ADENOID OPS NEC
2743	EXCISION OF LIP LES NEC	290	PHARYNGOTOMY
2749	EXCISION OF MOUTH NEC	292	EXC BRANCHIAL CLEFT CYST
2753	CLOSURE OF MOUTH FISTULA		DESTRUCT PHARYNGEAL LES (1980 -
2754	REPAIR OF CLEFT LIP	293	1991)
2755	FULL-THICK GRFT TO MOUTH	2931	CRICOPHARYNGEAL MYOTOMY (1991)
2756	SKIN GRAFT TO MOUTH NEC	2932	PHARYNGEAL DIVERTICULEC (1991)
2757	PEDICLE ATTACH TO MOUTH	2933	PHARYNGECTOMY (1991)
2759	MOUTH REPAIR NEC	2939	EXCIS/DESTR LES PHAR NEC (1991)
2761	SUTURE OF PALATE LACERAT	294	PLASTIC OP ON PHARYNX
2762	CLEFT PALATE CORRECTION	2951	SUTURE OF PHARYNGEAL LAC
2763	REVIS CLEFT PALAT REPAIR	2952	CLOS BRANCH CLEFT FISTUL
2764	INSERT PALATAL IMPLANT (2004)	2953	CLOS PHARYNX FISTULA NEC
2769	OTH PLASTIC REPAIR PALAT	2954	LYSIS PHARYNGEAL ADHES
2771	INCISION OF UVULA	2959	PHARYNGEAL REPAIR NEC
2772	EXCISION OF UVULA	2992	DIVIS GLOSSOPHARYNG NERV
2773	REPAIR OF UVULA	2999	PHARYNGEAL OPERATION NEC
2779	OTHER UVULA OPERATIONS		

ICD-9-CM Degenerative neurological disorder diagnosis codes:

2900	SENILE DEMENTIA UNCOMP		DEMENTIA IN OTH DISEASES WO
29010	PRESENILE DEMENTIA	29410	BEHAVRAL (OCT00)
29011	PRESENILE DELIRIUM		DEMENTIA IN OTH DISEASES
29012	PRESENILE DELUSION	29411	WBEHAVIORAL (OCT00)
29013	PRESENILE DEPRESSION	2948	ORGANIC BRAIN SYND NEC
29020	SENILE DELUSION	2949	ORGANIC BRAIN SYND NOS
29021	SENILE DEPRESSIVE	3100	FRONTAL LOBE SYNDROME
2903	SENILE DELIRIUM	3102	POSTCONCUSSION SYNDROME
29040	ARTERIOSCLER DEMENT NOS	3108	NONPSYCHOT BRAIN SYN NEC
29041	ARTERIOSCLER DELIRIUM	3109	NONPSYCHOT BRAIN SYN NOS
29042	ARTERIOSCLER DELUSION	3310	ALZHEIMERS DISEASE
29043	ARTERIOSCLER DEPRESSIVE	3311	FRONTOTEMPORAL DEMENTIA
2908	SENILE PSYCHOSIS NEC	33111	PICKS DISEASE
2909	SENILE PSYCHOT COND NOS		OTHER FRONTOTEMPORAL
2930	ACUTE DELIRIUM	33119	DEMENTIA
2931	SUBACUTE DELIRIUM	3312	SENILE DEGENERAT BRAIN
2940	AMNESTIC SYNDROME	33182	DEMENTIA WITH LEWY BODIES
2941	DEMENTIA IN OTH DISEASES		SENILITY WITHOUT MENTION OF
		797	PSYCHOSIS