

Supplementary Online Content

Li K, Moubayed SP, Spataro E, Most SP. Risk factors for corrective septorhinoplasty associated with initial treatment of isolated nasal fracture. *JAMA Facial Plast Surg*. Published online June 14, 2018. doi:10.1001/jamafacial.2018.0336

eTable. Billing Codes Used to Define Data Elements

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable. Billing Codes Used to Define Data Elements

Data element	ICD-9 or CPT code
Included data	
Nasal fracture	802.0: Closed fracture of nasal bones
	802.1: Open fracture of nasal bones
Excluded data	
Other facial fracture	802.2x: Closed fracture of mandible
	802.3x: Open fracture of mandible
	802.4: Closed fracture of malar and maxillary bones
	802.5: Open fracture of malar and maxillary bones
	802.6: Closed fracture of orbital floor (blow-out)
	802.7: Open fracture of orbital floor (blow-out)
	802.8: Closed fracture of other facial bones
802.9: Open fracture of other facial bones	
Initial fracture treatment	
Closed treatment	21310: Closed treatment of nasal bone fracture without manipulation
	21315: Closed treatment of nasal bone fracture without stabilization
	21320: Closed treatment of nasal bone fracture with stabilization
	21.71: Closed reduction of nasal fracture
Open treatment	21325: Open treatment of nasal bone fracture, uncomplicated
	21330: Open treatment of nasal bone fracture, with skeletal fixation
	21335: Open treatment of nasal bone fracture, with concomitant open treatment of fractured septum
	21.72: Open reduction of nasal fracture
	Any of the surgeries assessed as outcome measures (rhinoplasty, septoplasty); see below sub-section entitled "Outcome"
Comorbidities	
Tobacco use	305.1, V15.82
Autoimmune or immunodeficiency disorders	Autoimmune disease: 446.4, 135, 710.0, G8859, G8860
	Immunodeficiency: 042, 279.x, 203.x, 204.x, 205.x, 206.x, 207.x, 288.x
Anxiety	300.00, 300.02, 300.09
Deviated septum	470
Turbinate hypertrophy	478.0
Nasal obstruction	478.19
Other nasal injury	Acquired deformity of the nose: 738.0
	Congenital deformity of the nose: 748.1, 754.0
	Late effect of fracture of skull and face: 905.0
	Malunion of fracture: 733.81

eTable. Continued

Data element	ICD-9 or CPT code
Outcome	
Surgery later than six months following initial fracture treatment	30400: Primary rhinoplasty, lateral and alar cartilages, and/or tip
	30410: Primary rhinoplasty, bony pyramid, lateral and alar cartilage, and/or tip
	21.83: Total nasal reconstruction
	21.86: Limited rhinoplasty
	30430: Secondary rhinoplasty, minor revision (nasal tip)
	30435: Secondary rhinoplasty, intermediate revision (bony work with osteotomies)
	30450: Secondary rhinoplasty, major revision (nasal tip and osteotomies)
	30460: Cleft rhinoplasty, including columellar lengthening, tip only
	30462: Cleft rhinoplasty, including columellar lengthening, tip, septum, and osteotomies
	30420: Primary rhinoplasty, bony pyramid, lateral and alar cartilages and/or tip, including major septal repair
	30465: Repair of vestibular stenosis (eg, spreader grafting, lateral nasal wall reconstruction)
	30520: Septoplasty or submucous resection with or without cartilage scoring, contouring, replacement with graft
	21.5: Submucous resection of nasal septum
	21.88: Other septoplasty

ICD-9 = International Classification of Disease, Ninth Revision, Clinical Modification; CPT = Current Procedural Terminology