

Appendix 1: ICD9 and CPT Codes Used for Identifying Distal Radius Fractures

ICD-9 diagnosis codes	
Closed distal radius fractures	813.41, 813.42, 813.44
Open distal radius fractures	813.51, 813.52, 813.54
Treatment procedure codes:	
Surgical treatment	
Open treatment	CPT codes 25620, 25607, 25608, 25609; ICD-9 codes 79.32, 79.22
External Fixation	CPT codes 20690, 20692; ICD-9 code 78.13
Percutaneous pinning	CPT codes 25606, 25611; ICD-9 code 79.12
Non-surgical treatment	
Closed treatment	CPT codes 25605, 25600; ICD-9 code 79.02

Appendix 2: Sensitivity analysis for Age Specific Rates of Distal Radius Fractures per 100,000 Enrollees (no procedure code requirement)

	2005	2006	2007	2008	2009	2010	2011	2012	2013
Age-specific									
18-24	99.3	101.7	105.7	103.8	111	108.7	104.4	98.2	100.9
25-34	70.7	63.6	65.6	65.9	64.3	61.9	61.7	59	55.5
35-44	97.4	85.6	88.2	84.9	84.6	83	81.1	74.3	76.3
45-54	135.9	123	128.9	129.8	121.5	126.8	122.4	111.6	118.5
55-64	215.7	194.5	201	207	207	214.1	213.4	200.9	211.1
65+	311.5	273.1	331	339	343.3	354.2	362.8	347.6	352.8
Age-adjusted females	156.4	144.3	156.5	163.7	173.7	187.1	187.7	181.9	193.8
Age adjusted males	100.1	93.4	95.3	93.9	93.3	92.8	91.6	86.1	85.2
Age-sex	129	119.7	126.8	129.7	134.6	141.5	141	135.4	140.9

adjusted									
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*Percentage change from 2005 to 2014

Supplemental Figure Legend:

Supplemental Figure 1: The Algorithm for Selection of Cases with Distal Radius Fractures.