

Table 3

Validity of the ICD-10 Algorithm for Prediction of Sternal Wound Infection Following Coronary Artery Bypass Grafting, According to Specific ICD-10 Code

ICD-10 Code Algorithm	Prevalence among Charts Reviewed (N = 197)	Positive Predictive Value (95% Confidence Interval)	Negative Predictive Value (95% Confidence Interval)	Cases Identified from Chart Review
T81.3 only	(n = 20 + 13) 33 (16.8%)	(n = 20/33) 60.6 (44.8, 74.5)	(n = 146/164) 89.0 (75.3, 95.6)	16/33 (48.5%)
T81.4 only	(n = 26 + 53) 79 (40.1%)	(n = 26/79) 32.9 (20.2, 48.8)	(n = 106/118) 89.8 (76.3, 96.0)	25/79 (31.6%)
T81.3 or T81.4	(n = 35 + 63) 98 (49.8%)	(n = 35/98) 35.7 (22.5, 51.6)	(n = 96/99) 97.0 (85.9, 99.4)	25/98 (25.5%)
T81.3 or T81.4 or M86.1	(n = 35 + 64) 99 (50.3%)	(n = 35/99) 35.4 (22.2, 51.3)	(n = 95/98) 96.9 (85.9, 99.4)	25/99 (25.3%)
T81.3 or T81.4 or M86.1 or M86.2	(n = 35 + 64) 99 (50.3%)	(n = 35/99) 35.4 (22.2, 51.3)	(n = 95/98) 96.9 (85.9, 99.4)	25/99 (25.3%)
T81.3 or T81.4 or M86.1 or M86.2 or M86.8	(n = 35 + 64) 99 (50.3%)	(n = 35/99) 35.4 (22.2, 51.3)	(n = 95/98) 96.9 (85.9, 99.4)	25/99 (25.3%)
T81.3 or T81.4 or M86.1 or M86.2 or M86.8 or T82.7	(n = 35 + 64) 99 (50.3%)	(n = 35/99) 35.4 (22.2, 51.3)	(n = 95/98) 96.9 (85.9, 99.4)	25/99 (25.3%)