



Validation of Acute Myocardial Infarction and Heart Failure Diagnoses in Hospitalized Patients With the Nationwide Claim-Based JROAD-DPC Database

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Supplementary Table. Validity indices for the DPC Data-Based Diagnosis Identification Stratified by the Hospital

	Number of patients meeting criteria (DPC/ Clinical data)	Sensitivity (95% CI)	PPV (95% CI)	Proportion of “Angina pectoris, unspecified” for AMI, “Heart failure unspecified” for HF
AMI: Diagnostic criteria, ICD-10 code only				
Hospital A	44/43	83.7 (81.9–85.6) %	81.8 (79.9–83.7) %	7.5 %
Hospital B	165/171	74.3 (72.4–76.1) %	77.0 (75.2–78.7) %	84.8 %
Hospital C	366/368	75.5 (74.7–76.4) %	76.0 (75.1–76.8) %	30.3 %
Hospital D	103/99	91.9 (90.6–93.2) %	88.3 (86.8–89.9) %	72.0 %
Hospital E	64/60	88.3 (86.5–90.2) %	82.8 (80.6–85.0) %	7.7 %
HF: Diagnostic criteria, ICD-10 code only				
Hospital A	115/94	55.3 (52.9–57.8) %	45.2 (42.7–47.7) %	15.8 %
Hospital B	322/212	95.8 (94.9–96.6) %	63.0 (61.0–65.1) %	45.6 %
Hospital C	632/392	85.2 (84.3–86.1) %	52.8 (51.5–54.2) %	9.5 %
Hospital D	200/149	89.9 (88.5–91.3) %	67.0 (64.8–69.2) %	30.9 %
Hospital E	117/86	77.9 (75.5–80.3) %	57.3 (54.4–60.2) %	4.4 %

AMI, acute myocardial infarction; CI, confidence interval; DPC, Diagnosis Procedure Combination; ICD-10, International Classification of Diseases, 10th revision; HF, heart failure; PPV, positive predictive value