

Table 5

Comparison of Kappa Values across Studies

Condition	Kappa Values		
	This Study	Quan Study ^a	Kieszak Study ^b
Myocardial infarction	0.34	0.59	0.22
Congestive heart failure	0.61	0.80	0.38
Peripheral vascular disease	0.42	0.34	0.22
Cerebrovascular disease	0.83	0.50	–
Dementia	0.66	0.42	0.26
Chronic pulmonary disease	0.78	0.72	0.64
Hemiplegia/paraplegia	0.22	0.55	–
Rheumatologic disease	0.58	0.57	0.20
Peptic ulcer disease	0.62	0.63	0.12
Diabetes	0.75	0.74	0.68
Diabetes with chronic complication	0.34	0.58	0.16
Mild liver disease	0.09	0.53	–
Moderate liver disease	0.43	0.47	–
Renal disease	0.75	0.49	0.29
Any malignancy	0.77	0.78	0.23
Metastatic solid tumor	0.87	0.87	0.20
AIDS/HIV	0.91	0.78	–

Notes: Kappa categories: ≤ 0.2 (poor agreement); 0.21–0.40 (fair agreement); 0.41–0.60 (moderate agreement); 0.61–0.80 (substantial agreement); 0.81–1.00 (excellent agreement). Boldface values indicate kappa category higher than other studies.

^a Quan, H., G. A. Parsons, and W. A. Ghali. “Validity of Information on Comorbidity Derived from ICD-9-CM Administrative Data.” *Medical Care* 40 (2002): 675–85.

^b Kieszak, S. M., W. D. Flanders, A. S. Kosinski, C. C. Shipp, and H. Karp. “A Comparison of the Charlson Comorbidity Index Derived from Medical Record Data and Administrative Billing Data.” *Journal of Clinical Epidemiology* 52 (1999): 137–42; dash indicates conditions not studied.