

Table S1. Sensitivity, specificity and positive and negative predictive values of a claims-based algorithm for identifying progressively lower levels of estimated glomerular filtration rate and higher albumin-to-creatinine ratios using the primary definition of CKD in Medicare (see Item S1).

REGARDS	Number with CKD		Sensitivity	Specificity	PPV	NPV
Definition of CKD_{REGARDS}	CKD_{REGARDS}	CKD_{Medicare}				
eGFR < 60 ml/min/1.73 m ²	1396	451	0.206 (0.185, 0.228)	0.971 (0.966, 0.975)	0.639 (0.592, 0.683)	0.830 (0.821, 0.839)
eGFR < 45 ml/min/1.73 m ²	475	451	0.371 (0.327, 0.416)	0.958 (0.953, 0.962)	0.390 (0.345, 0.437)	0.954 (0.949, 0.959)
eGFR < 30 ml/min/1.73 m ²	94	451	0.564 (0.458, 0.666)	0.942 (0.936, 0.948)	0.118 (0.089, 0.151)	0.994 (0.991, 0.995)
ACR > 30 mg/g	1270	451	0.169 (0.148, 0.190)	0.959 (0.953, 0.964)	0.475 (0.428, 0.522)	0.838 (0.829, 0.847)
ACR > 300 mg/g	205	451	0.302 (0.240, 0.370)	0.943 (0.937, 0.948)	0.137 (0.107, 0.173)	0.978 (0.974, 0.982)

CKD – chronic kidney disease, eGFR – estimated glomerular filtration rate, ACR – albumin-to-creatinine ratio, PPV – positive predictive value, NPV – negative predictive value.