

Supplemental Table 2. Sensitivity, specificity, positive predictive value (PPV), and negative predictive value (NPV) of OSHPD predicting specific comorbidities (calculated using SEER-Medicare as the gold standard)

Condition	SEER-Medicare		OSHPD		Agreement	Sensitivity	Specificity	PPV	NPV
	N	%	N	%					
Diabetes- overall	75,856	21.07	74,041	20.57	92.11	80.08	95.32	82.04	94.71
Diabetes without complications	73,400	20.39	70,124	19.48	91.46	76.84	95.21	80.43	94.13
Chronic pulmonary disease	68,920	19.15	91,935	25.54	85.21	78.08	86.90	58.53	94.36
Congestive heart failure	45,883	12.75	53,165	14.77	89.58	67.05	92.87	57.87	95.07
Peripheral vascular disease*	35,304	9.81	20,579	5.72	90.69	31.70	97.11	54.38	92.90
Cerebrovascular disease	29,851	8.29	25,472	7.08	91.93	44.03	96.27	51.60	95.01
Diabetes with complications	22,066	6.13	15,220	4.23	94.69	41.18	98.19	59.70	96.24
Renal disease	21,057	5.85	25,201	7.00	93.92	57.86	96.16	48.35	97.35
Dementia	12,794	3.55	8,343	2.32	96.26	30.01	98.70	46.01	97.45
Rheumatologic disease	9,870	2.74	7,886	2.19	98.15	56.29	99.33	70.45	98.77
Old myocardial infarction	9,077	2.52	23,425	6.51	95.06	81.04	95.42	31.40	99.49
Peptic ulcer disease	8,648	2.40	15,350	4.26	96.12	58.00	97.06	32.68	98.95
Acute myocardial infarction	5,660	1.57	9,907	2.75	97.79	67.30	98.28	38.45	99.47
Liver disease- overall	5,540	1.54	9,112	2.53	97.95	65.56	98.45	39.86	99.46
Liver disease - mild	5,116	1.42	6,772	1.88	98.50	63.51	99.01	47.98	99.47
Hemiplegia or paraplegia	4,132	1.15	8,202	2.28	97.92	58.64	98.38	29.54	99.51
Liver disease- moderate/severe	1,585	0.44	5,139	1.43	98.83	79.05	98.92	24.38	99.91
AIDS	290	0.08	182	0.05	99.95	52.07	99.99	82.97	99.96

*OSHPD claims lacked ICD-9 procedure codes which limited our ability to detect this condition.