Appendix 1 (as supplied by the authors): Sensitivity, Specificity, Positive Predictive Value (PPV), Negative Predictive Value (NPV), Accuracy and Kappa of Administrative Claims Case Definitions for Chronic Dialysis as Compared to Manitoba Renal Program (MRP) Dialysis Registry (January 2004–December 2010)

No. Physician Claims	Other conditions [a]	Sensitivity (95% CI)	Specificity (95% CI)	PPV (95% CI)	NPV (95% CI)	Accuracy	Kappa
≥ 1	1-year data	76.97 (74.74, 79.2)	93.81 (90.79, 92.94)	85.19 (83.21, 87.17)	89.8 (88.74, 90.87)	88.49 (87.36, 89.61)	0.73 (0.7, 0.75)
≥ 1	3-years data	74.04 (72.17, 75.91)	92.48 (91.79, 93.17)	78.62 (76.82, 80.42)	90.51 (89.76, 91.27)	87.47 (86.61, 88.32)	0.68 (0.66, 0.70)
≥ 1	5-years data	87.64 (86.34, 88.95)	91.33 (90.73, 91.93)	74.41 (72.82,76.00_	96.25 (95.84, 96.67)	90.51 (89.87, 91.15)	0.74 (0.73, 0.76)
≥ 1	7-years data	97.3 (96.68, 97.93)	89.67 (89.08, 90.26)	70.2 (68.69, 71.71)	99.25 (99.08, 99.43)	91.2 (90.62, 91.77)	0.76 (0.75, 0.77)
≥ 2	1-year data	74.63 72.33, 76.94)	94.39 (93.56, 95.22)	86.02 (84.04, 87.99)	88.94 (87.84, 90.04)	88.14 (87.01, 89.27)	0.72 (0.69, 0.74)
≥ 2	3-years data	72.71 (70.81, 74.61)	94.23 (93.63, 94.84)	82.48 (80.76, 84.21)	90.24 (89.49, 91.00)	88.38 (87.56, 89.20)	0.70 (0.68, 0.71)
≥ 2	5-years data	86.05 (84.58, 87.42)	93.38 (92.86, 93.91)	78.91 (77.36, 80.45)	95.88 (95.45, 96.31)	91.75 (91.15, 92.34)	0.82 (0.81, 0.83)
≥ 2	7-years data	95.55 (94.75, 96.34)	91.79 (91.26, 92.32)	74.43 (72.94, 75.92)	98.8 (98.58, 99.02)	92.54 (92.01, 93.07)	0.79 (0.78, 0.8)
≥ 2, at least 90 days apart	1-year data	64.77 (62.23, 67.30)	97.13 (96.52, 97.73)	91.25 (89.47, 93.02)	85.63 (84.44, 86.82)	86.89 (85.75, 88.03)	0.67 (0.65, 0.70)
≥ 2, at least 90 days apart	3-years data	60.87 (58.79, 62.95)	99.75 (99.62, 99.88)	98.92 (98.36, 99.48)	87.22 (86.41, 88.04)	89.18 (88.42, 89.94)	0.69 (0.67, 0.71)
≥ 2, at least 90 days apart	5-years data	72.02 (70.25, 73.80)	99.65 (99.52, 99.77)	98.33 (97.74, 98.92)	92.53 (91.99, 93.07)	93.48 (92.97, 93.98)	0.79 (0.78, 0.81)
≥ 2, at least 90 days apart	7-years data	83.00 (81.55, 84.46)	98.65 (98.43, 98.87)	93.90 (92.91, 94.89)	95.87 (95.49, 96.25)	95.52 (95.12, 95.92)	0.85 (0.84, 0.87)
≥ 2, lasted >90 days, no gaps > 21 days	1-year data	52.7 (50.06, 55.35)	97.5 (96.93, 98.06)	90.69 (88.67, 92.71)	81.67 (80.4, 82.95)	83.33 (82.1, 84.56)	0.57 (0.54, 0.59)
≥ 2, lasted >90 days, no gaps > 21 days	3-years data	45.19 (43.07, 47.31)	99.82 (99.71, 99.93)	98.96 (98.32, 99.60)	82.99 (82.09, 83.88)	84.97 (84.12, 85.52)	0.54 (0.52, 0.56)
≥ 2, lasted >90 days, no gaps > 21 days	5-years data	47.59 (45.62, 49.57)	99.77 (99.66, 99.87)	98.32 (97.58, 99.05)	86.87 (86.21, 87.54)	88.11 (87.47, 88.75)	0.58 (0.56, 0.60)
≥ 2, lasted >90 days, no gaps > 21 days	7-years data	50.64 (48.71, 52.58)	99 (98.81, 99.2)	92.7 (91.34, 94.07)	88.91 (88.34, 89.49)	89.93 (88.76, 89.89)	0.6 (0.58, 0.62)

Note: [a] 2010, 2004-2006, 2004-2008, and 2004-2010 Physician and MRP data were used for the I-year, 3-year, 5-year, and 7-year data agreement analysis, respectively.