

Supplementary Table 1. Validation of diagnostic codes according to hospital visits for diabetic nephropathy

	Total	True	False	PPV (%)	NPV (%)	Error rate (%)	Sensitivity (%)	Specificity (%)
Secondary hospital								
Diagnostic codes ^a (≥ 2 hospital visit)	100	70	30	70.0 (70.0–70.0)				
Diagnostic codes ^b (≥ 3 hospital visit)	97	69	28	71.1 (61.1–79.9)	66.7 (9.4–99.2)	29.0 (20.3–38.9)	98.6 (92.3–99.9)	6.7 (1.0–22.1)
Tertiary hospital								
Diagnostic codes ^a (≥ 2 hospital visit)	100	72	28	72.0 (72.0–72.0)				
Diagnostic codes ^b (≥ 3 hospital visit)	97	70	27	72.2 (62.1–80.8)	33.3 (1.0–90.6)	29.0 (20.4–38.9)	97.2 (90.3–99.7)	3.6 (0.1–18.4)
Total								
Diagnostic codes ^a (≥ 2 hospital visit)	200	142	58	71.0 (71.0–71.0)				
Diagnostic codes ^b (≥ 3 hospital visit)	194	139	55	71.7 (64.8–77.9)	50.0 (11.8–88.2)	29.0 (22.8–35.8)	97.9 (94.0–99.6)	5.2 (1.1–14.4)

Values are presented as number (95% confidence interval).

PPV, positive predictive value; NPV, negative predictive value.

^aVisited the hospital more than once with all diagnostic codes (hospital admission + outpatient clinic); ^bVisited the hospital more than twice with all diagnostic codes (hospital admission + outpatient clinic).