

**Table 3. Pooled diagnostic accuracy of HbA<sub>1c</sub> at different cut-offs against the FPG as standard**

Cut point*	Studies	Participants	T2D Prevalence (%)	I <sup>2</sup>	Sensitivity	Specificity	Positive likelihood ratio	Negative likelihood ratio	Diagnostic Odds ratio	Area under the Curve
6.0 %	5	5397	2.9	82.9	79.6 (60.1 – 90.9)	85.9 (68.4 – 94.4)	5.6 (2.0 – 15.8)	0.2 (0.1 – 0.6)	23.6 (5.8 – 95.7)	0.83 (0.71 – 0.91)
6.1 %	4	2359	8.4	87.0	81.1 (58.1 – 93.0)	84.1 (62.0 – 94.5)	5.1 (1.6 – 16.5)	0.2 (0.1 – 0.7)	22.6 (4.4 – 115.6)	0.83 (0.68 – 0.92)
6.5 %	8	7042	4.5	86.6	64.5 (50.5 – 76.4)	94.3 (87.9 – 97.5)	11.4 (4.8 – 26.7)	0.4 (0.2 – 0.6)	30.2 (11.0 – 83.1)	0.85 (0.77 – 0.90)
6.6 %	3	4118	2.8	89.0	76.8 (48.9 – 91.9)	93.3 (74.5 – 98.5)	11.5 (2.3 – 57.0)	0.2 (0.1 – 0.83)	46.3 (6.3 – 342.3)	0.87 (0.72 – 0.95)
6.7 %	3	4118	2.8	87.9	75.1 (47.2 – 91.1)	94.7 (78.2 – 98.9)	14.3 (2.7 – 74.0)	0.3 (0.1 – 0.8)	54.2 (7.2 – 408.3)	0.88 (0.73 – 0.95)
7.0 %	3	1540	5.2	90.8	65.3 (27.1 – 90.5)	96.8 (72.4 – 99.7)	20.5 (1.6 – 260.7)	0.4 (0.1 – 1.6)	57.2 (3.0 – 1083.0)	0.88 (0.64 – 0.97)

All pooled estimates are from the SCS model. Findings were not pooled for cut-offs that had less than 3 studies.

\*Conversion to IFCC units; 6.0% = 42mmol/mol, 6.1% = 43mmol/mol, 6.5%=48mmol/mol, 6.7% = 50mmol/mol, 7.0%=53mmol/mol