

Table 4 Sensitivity, specificity, and proportion of individuals who tested positive for pre-diabetes and undiagnosed diabetes by fasting and random capillary blood glucose (CBG) screening test at different cut-off points

Cut-off (mg/dL)	Sensitivity		Specificity		Positive predictive value		Negative predictive value		Positive likelihood ratio		Negative likelihood ratio	
	%	95% CI	%	95% CI	%	95% CI	%	95% CI	%	95% CI	%	95% CI
Fasting												
100	97	96-98	29	27-31	42	40-44	95	93-97	1.37	1.33-1.41	0.09	0.07-0.13
110	91	89-93	67	65-69	59	56-61	93	92-95	2.72	2.55-2.90	0.14	0.11-0.16
120	81	79-83	86	85-88	76	73-78	90	88-91	5.88	5.25-6.58	0.22	0.19-0.25
130	70	67-73	93	92-94	85	82-87	86	84-87	10.55	8.92-12.48	0.32	0.29-0.35
140	57	54-60	96	95-97	88	85-90	81	79-83	13.98	11.25-17.36	0.45	0.42-0.48
Random												
140	91	90-92	48	47-50	42	40-43	93	92-94	1.76	1.70-1.81	0.18	0.16-0.21
150	84	83-86	65	64-66	50	48-51	91	90-92	2.41	2.30-2.51	0.24	0.22-0.27
160	76	74-78	77	76-79	58	56-60	89	88-90	3.35	3.16-3.55	0.31	0.29-0.34
170	69	70-71	86	85-87	66	64-68	87	86-88	4.77	4.43-5.14	0.36	0.34-0.39
180	63	61-65	90	89-91	72	70-74	86	85-87	6.35	5.79-6.95	0.41	0.39-0.44
190	57	55-60	93	92-94	77	75-79	84	83-85	8.29	7.43-9.26	0.46	0.43-0.48
200	53	51-55	95	94-96	81	79-84	83	82-84	10.75	9.43-12.24	0.50	0.47-0.52

CI = confidence interval.