

ESM Table 1 ORs and province- and community-level variance for diabetes prevalence across total urbanisation and its components while controlling for continuous body mass index^{a,b}

Urbanisation level or component	Men						Women					
	OR (95%CI)	P Value	Province		Community		OR (95%CI)	P Value	Province		Community	
			Variance (SE)	ICC	Variance (SE)	ICC			Variance (SE)	ICC		
Total Urbanization Level^c												
Low	1		0.59 (0.04)	0.02	0.00 (0.08)	0	1		0.03 (0.04)	0	0.05 (0.09)	0.01
Medium	1.34 (0.97, 1.88)	0.08					1.38 (0.96, 1.99)	0.08				
High	1.71 (1.24, 2.37)	0.001					1.76 (1.24, 2.51)	0.002				
12 Urbanization Index Components^d												
Population Density	1.23 (1.04, 1.45)	0.01	0.05 (0.04)	0.02	0.00 (0.08)	0.00	1.17 (0.98, 1.41)	0.09	0.04 (0.04)	0.01	0.08 (0.09)	0.02
Social Services	1.05 (0.91, 1.21)	0.51	0.06 (0.04)	0.02	0.03 (0.08)	0.01	1.18 (1.02, 1.38)	0.03	0.03 (0.04)	0.01	0.08 (0.10)	0.02
Health Infrastructure	1.31 (1.01, 1.70)	0.04	0.04 (0.04)	0.01	0.03 (0.08)	0.01	1.14 (0.86, 1.52)	0.36	0.04 (0.04)	0.01	0.10 (0.10)	0.03
Modern Markets	1.31 (1.02, 1.68)	0.032	0.07 (0.05)	0.02	0.02 (0.08)	0.01	1.40 (1.06, 1.83)	0.02	0.04 (0.04)	0.01	0.08 (0.09)	0.02
Traditional Markets	1.19 (0.94, 1.50)	0.14	0.06 (0.05)	0.02	0.02 (0.08)	0.01	1.32 (1.02, 1.71)	0.04	0.05 (0.05)	0.01	0.08 (0.09)	0.02
Transportation Infrastructure	1.07 (0.97, 1.18)	0.16	0.06 (0.04)	0.02	0.02 (0.08)	0.00	1.16 (1.04, 1.29)	0.007	0.04 (0.04)	0.01	0.07 (0.09)	0.02
Communications	1.34 (1.11, 1.62)	0.003	0.06 (0.04)	0.02	0.00 (0.00)	0.00	1.28 (1.04, 1.58)	0.02	0.03 (0.04)	0.01	0.08 (0.10)	0.02
Housing Infrastructure	1.41 (1.10, 1.79)	0.006	0.07 (0.05)	0.02	0.00 (0.08)	0.00	1.24 (0.95, 1.62)	0.11	0.04 (0.04)	0.01	0.09 (0.09)	0.03
Sanitation	1.38 (1.06, 1.78)	0.02	0.05 (0.04)	0.02	0.02 (0.08)	0.01	1.44 (1.09, 1.90)	0.01	0.04 (0.04)	0.01	0.07 (0.09)	0.02
Economic Activity	1.35 (1.07, 1.71)	0.01	0.06 (0.04)	0.02	0.02 (0.08)	0.01	1.16 (0.89, 1.51)	0.27	0.04 (0.04)	0.01	0.09 (0.10)	0.03
Education	1.22 (1.08, 1.38) ^e	0.001	0.05 (0.04)	0.02	0.00 (0.08)	0.00	1.09 (0.94, 1.27)	0.24	0.03 (0.04)	0.01	0.10 (0.10)	0.03
Education and Income Diversity	1.34 (1.14, 1.58) ^e	<0.001	0.04 (0.04)	0.01	0.00 (0.08)	0.00	1.09 (0.91, 1.32)	0.36	0.04 (0.04)	0.01	0.10 (0.10)	0.03

^a26 separate sex-stratified multilevel models for total urbanisation and its components

^bDiabetes defined as a fasting blood glucose ≥ 7.0 mmol/l or doctor diagnosis of diabetes

^cORs for diabetes prevalence presented for medium (59.0-82.2) and high (≥ 82.3) (range 30.4-106.6) relative to low urbanisation level (<59.0)

^dORs for diabetes prevalence presented for the 75th (high) relative to the 25th (low) percentile of each of the 12 urbanisation index components

^eOR statistically significant at bonferroni-corrected $p < 0.002$ (type 1 error rate=0.05 across 24 models) by two-tailed z test