

**Table 4 Univariate and multivariate meta-regression analysis for detecting sources of heterogeneity**

Variable	Univariate analysis				Multivariate analysis			
	Coefficient	SE	P*	Adjusted R <sub>2</sub> (%)	Coefficient	SE	P	Adjusted R <sub>2</sub> (%)
<b>Sample size</b>	-0.026	0.008	0.004	11.39	0	0	0.001	
<b>Region</b>	Reference			7.46				
EM-African	0.049	0.032	0.127		0.038	0.033	0.263	
European	0.033	0.027	0.227		0.045	0.031	0.146	
Americas	-0.010	0.030	0.732		-0.011	0.032	0.741	
SEA-WP	0.002	0.002	0.204	0.66	-0.001	0.004	0.749	
<b>Study quality score</b>								
<b>Level of gathering data</b>								
Subdistrict	Reference			13.25				
District	0.081	0.061	0.190		0.001	0.040	0.978	
Provincial	0.053	0.064	0.408		-0.042	0.042	0.321	
≥ 2 provinces	0.066	0.065	0.319		0.027	0.043	0.530	29.82
≥ 2 subnational regions	0.066	0.069	0.344		0.015	0.040	0.709	
National	0.055	0.062	0.3705		0.070	0.041	0.092	
International	0.129	0.062	0.041		—	—	—	
<b>Publication year</b>	-0.001	0.002	0.577	-1.14	0.001	0.002	0.572	
<b>Sampling method</b>								
Census	Reference			-3.65				
Random stratified sampling	0.073	0.068	0.287		0.043	0.071	0.552	
Random simple sampling	0.089	0.066	0.183		0.034	0.068	0.616	
One level clustering random	0.064	0.073	0.384		0.055	0.070	0.434	
Multilevel clustering random	0.077	0.070	0.277		0.065	0.072	0.372	
Others	0.063	0.073	0.392		0.017	0.077	0.824	

\*Significant at the 5% level. EM = Eastern Mediterranean; SE = standard error; SEA = South-East Asia; WP = Western Pacific.