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Supplementary appendix

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Supplement to: Mukadam N, Sommerlad A, Huntley J, Livingston G. Population attributable fractions for risk factors for dementia in low-income and middle-income countries: an analysis using cross-sectional survey data. *Lancet Glob Health* 2019; 7: e596–603.

	Cuba N=2944		Dominican Republic N=2011		Peru N=1933		Venezuela N=1965		Mexico N=2003		Puerto Rico N=2009	
Risk factor	Prevalence	Weighted PAF	Prevalence	Weighted PAF	Prevalence	Weighted PAF	Prevalence	Weighted PAF	Prevalence	Weighted PAF	Prevalence	Weighted PAF
Low education	58.2	9.8	89.6	13.4	56.3	10.0	81.4	12.5	88.4	13.5	43.8	8.0
Hearing loss	23.1	6.5	19.2	5.7	40.5	10.6	26.2	7.3	36.4	9.6	30.5	8.2
Hypertension	27.1	5.3	26.3	5.2	14.8	3.2	35.1	6.6	16.3	3.5	27.1	5.4
Obesity	36.4	6.8	45.7	8.3	42.6	8.1	47.0	8.4	49.2	8.9	54.3	9.4
Smoking	45.0	8.1	47.8	8.6	16.8	3.6	44.1	8.0	31.3	6.2	27.4	5.4
Depression	32.5	8.6	21.8	6.3	29.8	8.4	14.9	4.5	17.1	5.2	23.3	6.6
Social isolation	0.1	0.02	0.2	0.1	0.8	0.2	0.2	0.1	0.8	0.2	0.9	0.2
Physical inactivity	32.5	4.4	36.9	4.9	30.6	4.3	35.0	4.7	35.1	4.8	36.1	4.8
Diabetes	18.0	3.1	10.3	1.9	8.7	1.7	15.4	2.7	20.7	3.7	31.3	5.2
Total PAF		52.7		54.3		50.2		54.8		55.5		53.2

Supplementary Table 1: prevalence of risk factors and PAF in individual Latin American countries

Risk factor	China				India				Latin America			
	Lower Prevalence (%)	Weighted PAF (%)	Higher Prevalence (%)	Weighted PAF (%)	Lower Prevalence (%)	Weighted PAF (%)	Higher Prevalence (%)	Weighted PAF (%)	Lower Prevalence (%)	Weighted PAF (%)	Higher Prevalence (%)	Weighted PAF (%)
Low education	68.5 ¹	10.5	75.9	10.4	80.3 ¹	12.8	92.2	12.6	57.0 ¹	10.6	68.8	10.3
Hearing loss	4.8 ²	1.5	58.9 ³	11.5	7.6 ²	2.5	25.1 ⁴	6.5	7.3 ²	2.6	28.8	7.3
Hypertension	29.1 ⁵	5.4	35.7 ⁶	5.8	19.3	4.1	29.4 ⁶	5.3	39.1 ⁶	7.9	55.6	8.8
Obesity	16.1 ⁷	3.2	32.0	5.3	13.7	3.0	15.0 ⁸	2.9	33.8 ⁹	7.0	44.8	7.5
Smoking	23.0	4.4	32.9 ¹⁰	5.5	15.6 ¹¹	3.4	33.4	5.9	30.0	6.3	39.6 ¹²	6.8
Depression	1.5	0.5	27.0 ¹³	6.5	5.2	1.8	5.2	1.6	5.2 ¹⁴	1.9	23.9	6.2
Social isolation	3.4	0.7	3.4	0.7	10.4	2.3	10.4	2.1	0.5	0.1	0.5	0.1
Physical inactivity	28.3 ¹⁵	3.7	68.2	7.1	15.3	2.3	54.4 ¹⁶	6.3	34.2	5.0	44.6 ¹⁷	5.3
Diabetes	4.5 ¹⁸	0.8	11.6 ¹⁹	1.8	7.1 ¹⁸	1.4	9.3	1.6	11.0 ¹⁸	2.2	21.3 ²⁰	3.4
Weighted PAF (% - taking communality into account)	30.7		54.5		33.5		44.7		43.5		57.8	

Supplementary table 2: Sensitivity analyses for PAF

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