

Supplementary file

Trends in the prevalence and factors associated with indoor smoking in 24 countries party to the WHO FCTC: Implications for equitable policy implementation

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Table S1 List of 24 countries party to the WHO FCTC and surveys included in the study.

Number	Country	Included surveys	
		Older survey	Recent survey
1	Armenia	2010	2015-16
2	Benin	2012	2017-18
3	Burundi	2010	2016-17
4	Cambodia	2014	2021-22
5	Ethiopia	2011	2016
6	Gabon	2012	2019-21
7	Gambia	2013	2019-20
8	Guinea	2012	2018
9	India	2015-16	2019-21
10	Jordan	2012	2017-18
11	Kenya	2014	2022
12	Liberia	2012	2019-20
13	Mali	2012-13	2018
14	Nepal	2016	2022
15	Nigeria	2013	2018
16	Pakistan	2012-13	2017-18
17	Philippines	2017	2022
18	Rwanda	2014-15	2019-20
19	Senegal	2015	2019
20	Sierra Leone	2013	2019
21	Tajikistan	2012	2017
22	Uganda	2011	2016
23	Zambia	2013-14	2018
24	Zimbabwe	2010-11	2015

Note: Senegal collects DHS data every year and this study selected the 2015 and 2019 surveys to allow time for changes in indoor smoking.

Table S2. Selected socioeconomic and demographic factors as determinants of indoor smoking in 24 countries party to the WHO FCTC and conducted DHS survey

Variable	Description
Second-hand smoking	Frequency any household member smokes inside the house: daily, weekly, monthly, less often than once a month, or never.
Household wealth index	The wealth index is a composite measure of a household's cumulative living standard, calculated by DHS using household's ownership of selected assets, such as televisions and bicycles; materials used for housing construction; and types of water access and sanitation facilities. The wealth index places individual households on a continuous scale of relative wealth. DHS separates all interviewed households into five wealth quintiles: poorest, poorer, middle, rich and richest).
Place of residence	Whether the household is located in urban/rural
Family size	Number of household members (listed)
Educational level	highest educational level attained by household head (no formal education, basic, secondary and higher)
Sex of head of household	Whether the household head is male/female
Age of head of household	Age measured in full year (continuous)
Radio	Whether the household has radio (yes/no)
Television	Whether the household has television (yes/no)

Table S3 Prevalence of daily indoor smoking overall and by urban and rural households in 24 countries party to the WHO FCTC

Country	Survey year	Prevalence in recent survey			Survey year	Prevalence in older survey		
		urban	rural	overall		urban	rural	overall
Armenia	2015-16	49.52	59.75	53.37	2010	52.63	58.7	54.77
Benin	2017-18	5.51	10.73	8.48	2012	5.52	10.87	8.5
Burundi	2016-17	7.4	19.18	17.89	2010	13.65	28.7	27.34
Cambodia	2021-22	20.26	35.1	29.35	2014	36.44	47.84	46.19
Ethiopia	2016	4.36	6.16	5.8	2011	6.61	7.24	7.1
Gabon	2019-21	11.96	23.97	13.32	2012	17.1	35.92	20.21
Gambia	2019-20	16.42	17.79	16.75	2013	22.21	26.54	23.98
Guinea	2018	12.68	15.5	14.54	2012	21.62	23.45	22.85
India	2019-21	18.4	27.5	24.5	2015-16	22.6	32.3	28.9
Jordan	2017-18	60.01	56.79	59.68	2012	57.32	58.23	57.47
Kenya	2022	5.08	11.27	8.77	2014	10.95	12.91	12.09
Liberia	2019-20	4.07	10.64	6.88	2012	8.79	17.82	12.7
Mali	2018	23.78	14.06	16.22	2012-13	22.5	15.66	17.12
Nepal	2022	20.64	26.9	22.7	2016	29.78	33.78	31.32
Nigeria	2018	6.34	7.88	7.16	2013	5.99	6.07	6.03
Pakistan	2017-18	25.54	37.87	33.15	2012-13	31.85	42.85	39.13
Philippines	2022	26.07	29.09	27.47	2017	27.34	28.04	27.72
Rwanda	2019-20	7.23	11.58	10.79	2014-15	9.47	15.66	14.59
Senegal	2019	17.97	13.36	15.69	2017	22.09	16.33	19.31
Sierra Leone	2019	17.26	31.96	25.73	2013	26.3	42.81	37.59
Tajikistan	2017	8.23	7.5	7.72	2012	10.44	5.47	6.99
Uganda	2016	4.79	9.93	8.61	2011	9.7	17.12	15.73
Zambia	2018	8.92	13.56	11.59	2013-14	10.59	16.52	14.05
Zimbabwe	2015	5.96	13.26	10.81	2010-11	11.66	20.34	17.41

Table S4 Determinants of daily indoor smoking in 24 countries party to the WHO FCTC, based on one most recent DHS data

Variables		Armenia			Benin			Burundi			Cambodia			Ethiopia		
		RRR	lci	uci	RRR	lci	uci	RRR	lci	uci	RRR	lci	uci	RRR	lci	uci
Wealth index	Poorest (reference)															
	poorer	0.91	0.78	1.08	0.57***	0.49	0.67	0.67***	0.59	0.76	0.98	0.81	1.19	0.59***	0.50	0.70
	middle	0.75**	0.62	0.91	0.40***	0.33	0.47	0.48***	0.42	0.55	0.65***	0.51	0.82	0.50***	0.42	0.61
	richer	0.85	0.68	1.05	0.19***	0.15	0.25	0.31***	0.26	0.36	0.51***	0.37	0.71	0.38***	0.31	0.47
Place of residence	richest	0.79	0.63	1.00	0.10***	0.07	0.14	0.16***	0.13	0.20	0.31***	0.21	0.46	0.37***	0.29	0.49
	Urban (reference)															
	rural	1.02	0.87	1.18	1.16*	1.01	1.34	0.81*	0.67	0.96	1.33**	1.11	1.58	0.71**	0.56	0.90
Number of household member		1.39***	1.35	1.44	1.05***	1.03	1.06	0.99	0.97	1.01	1.03**	1.01	1.04	1.07***	1.04	1.09
The highest education household head attended	Has no education (reference)															
	basic	0.83	0.32	2.18	0.80**	0.68	0.95	0.72***	0.65	0.80	2.50***	2.06	3.04	1.17*	1.02	1.34
	secondary	0.91	0.35	2.37	0.64***	0.51	0.81	0.47***	0.36	0.61	2.19***	1.76	2.73	1.09	0.88	1.34
	higher	0.67	0.26	1.75	0.42**	0.24	0.75	0.26***	0.13	0.53	1.45	0.98	2.14	0.91	0.72	1.16
Sex of household head	male (reference)															
	female	0.30***	0.27	0.33	0.27***	0.21	0.33	0.41***	0.36	0.46	0.44***	0.37	0.52	0.59***	0.51	0.67
Age of household head		0.99***	0.99	1.00	1.01***	1.01	1.01	1.04***	1.03	1.04	1.01***	1.01	1.01	1.00	0.99	1.00
		Gabon			Gambia			Guinea			India			Jordan		
Wealth index	Poorest (reference)															
	poorer	0.76**	0.64	0.90	0.59***	0.47	0.75	0.92	0.76	1.11	0.87**	0.80	0.94	1.14**	1.04	1.25
	middle	0.53***	0.43	0.65	0.47***	0.34	0.65	0.73**	0.60	0.90	0.72***	0.66	0.79	1.16**	1.06	1.28
	richer	0.50***	0.40	0.63	0.47***	0.32	0.68	0.65**	0.49	0.86	0.54***	0.49	0.58	1.34***	1.20	1.49
Place of residence	richest	0.44***	0.33	0.57	0.43***	0.29	0.65	0.54**	0.37	0.79	0.33***	0.30	0.37	1.27***	1.12	1.44
	Urban (reference)															
	rural	1.41***	1.24	1.61	0.71**	0.57	0.88	1.09	0.87	1.37	1.37***	1.30	1.45	0.83***	0.77	0.90
Number of household member		1.04***	1.03	1.06	1.02***	1.01	1.03	1.02*	1.00	1.04	1.25***	1.24	1.27	1.11***	1.09	1.12
The highest education household head attended	Has no education (reference)															
	basic	1.09	0.92	1.28	1.46**	1.17	1.83	1.54***	1.26	1.87	1.12*	1.01	1.24	1.04	0.91	1.19
	secondary	0.89	0.76	1.05	1.24*	1.03	1.49	1.27*	1.05	1.54	0.81***	0.73	0.90	1.02	0.90	1.15
	higher	0.60***	0.46	0.78	0.76	0.56	1.03	0.52***	0.38	0.73	0.42***	0.37	0.48	0.65***	0.57	0.75
Sex of household head	male (reference)															
	female	0.42***	0.37	0.48	0.35***	0.28	0.44	0.30***	0.23	0.38	0.25***	0.23	0.27	0.45***	0.41	0.50
Age of household head		1.00	1.00	1.00	1.00	0.99	1.00	0.98***	0.98	0.99	0.99***	0.99	0.99	0.99***	0.98	0.99

Note: RRR: relative risk ratio, lci: lower 95% confidence interval (ci), uci: upper 95% ci, * significant at p<0.05, ** significant at p<0.01, *** significant at p<0.001

Table S4 Determinants of daily indoor smoking in 24 countries party to the WHO FCTC, based on one most recent DHS data (continued from previous page)

Variables		Kenya			Liberia			Mali			Nigeria			Nepal		
		RRR	lci	uci	RRR	lci	uci	RRR	lci	uci	RRR	lci	uci	RRR	lci	uci
Wealth index	Poorest (reference)															
	poorer	0.97	0.84	1.12	0.86	0.72	1.04	1.29*	1.06	1.57	1.36***	1.21	1.54	0.57***	0.50	0.64
	middle	0.84*	0.72	0.98	0.67**	0.53	0.85	1.31**	1.08	1.60	1.48***	1.29	1.70	0.44***	0.39	0.50
	richer	0.61***	0.51	0.74	0.38***	0.26	0.56	1.44***	1.17	1.78	1.36**	1.14	1.62	0.41***	0.36	0.48
	richest	0.48***	0.37	0.63	0.31***	0.17	0.54	1.37*	1.05	1.79	1.04	0.84	1.28	0.28***	0.23	0.34
Place of residence	Urban (reference)															
	rural	0.84**	0.75	0.94	1.46**	1.17	1.82	0.70***	0.60	0.83	1.19***	1.08	1.30	1.02	0.94	1.11
Number of household member		0.95***	0.93	0.97	0.94***	0.91	0.97	1.06***	1.04	1.07	0.95***	0.94	0.97	1.07***	1.05	1.09
The highest education household head attended	Has no education (reference)															
	basic	1.91***	1.63	2.23	1.00	0.82	1.22	1.41***	1.21	1.66	0.94	0.84	1.05	0.93	0.83	1.03
	secondary	1.38**	1.14	1.66	0.65***	0.53	0.79	1.34**	1.13	1.58	0.81***	0.72	0.90	0.53***	0.46	0.61
	higher	0.88	0.68	1.14	0.44**	0.27	0.70	0.90	0.67	1.20	0.51***	0.44	0.60	0.36***	0.26	0.48
Sex of household head	Male (reference)															
	female	0.22***	0.19	0.25	0.35***	0.29	0.43	0.47***	0.39	0.56	0.21***	0.18	0.25	0.53***	0.47	0.58
Age of household head		1.01***	1.01	1.01	1.00	1.00	1.01	1.00	0.99	1.00	0.99***	0.99	0.99	1.01***	1.01	1.02
		Philippines			Pakistan			Rwanda			Sierra Leone			Senegal		
Wealth index	Poorest (reference)															
	poorer	0.79***	0.73	0.86	1.12	0.99	1.26	0.67***	0.57	0.78	0.83**	0.74	0.93	0.82	0.64	1.05
	middle	0.71***	0.65	0.78	1.12	0.98	1.28	0.50***	0.42	0.60	0.72***	0.64	0.82	0.51***	0.36	0.72
	richer	0.57***	0.51	0.63	0.86	0.74	1.00	0.29***	0.24	0.36	0.49***	0.41	0.59	0.48***	0.32	0.71
	richest	0.44***	0.39	0.50	0.82*	0.70	0.97	0.13***	0.09	0.19	0.37***	0.27	0.49	0.32***	0.20	0.50
Place of residence	Urban (reference)															
	rural	0.87***	0.82	0.93	1.18***	1.08	1.29	0.66***	0.55	0.79	0.99	0.86	1.14	0.52***	0.41	0.64
Number of household member		1.14***	1.12	1.15	1.04***	1.03	1.05	1.00	0.97	1.03	1.01	1.00	1.03	1.03***	1.01	1.04
The highest education household head attended	Has no education (reference)															
	basic	1.05	0.90	1.24	1.03	0.92	1.15	0.78***	0.68	0.89	1.13	1.00	1.29	1.55***	1.24	1.94
	secondary	0.92	0.78	1.08	0.87**	0.79	0.97	0.77	0.58	1.03	0.85**	0.76	0.95	1.27	0.96	1.69
	higher	0.62***	0.52	0.74	0.58***	0.51	0.66	0.30**	0.15	0.60	0.54***	0.44	0.66	1.38	0.89	2.13
Sex of household head	Male (reference)															
	female	0.60***	0.56	0.65	0.33***	0.28	0.38	0.34***	0.29	0.39	0.31***	0.28	0.35	0.60***	0.49	0.74
Age of household head		1.00***	0.99	1.00	1.01***	1.01	1.01	1.05***	1.04	1.05	1.00	1.00	1.00	1.00	0.99	1.00

Note: RRR: relative risk ratio, lci: lower 95% confidence interval (ci), uci: upper 95% ci, * significant at p<0.05, ** significant at p<0.01, *** significant at p<0.001

Table S4 Determinants of daily indoor smoking in 24 countries party to the WHO FCTC, based on one most recent DHS data (*continued from previous page*)

Variables		Tajikistan			Uganda			Zambia			Zimbabwe		
		RRR	lci	uci	RRR	lci	uci	RRR	lci	uci	RRR	lci	uci
Wealth index	Poorest (reference)												
	poorer	0.90	0.67	1.22	0.76***	0.67	0.87	0.74***	0.64	0.87	0.88	0.73	1.06
	middle	0.80	0.59	1.09	0.52***	0.45	0.61	0.53***	0.44	0.64	0.53***	0.43	0.66
	richer	0.87	0.64	1.19	0.40***	0.33	0.48	0.39***	0.29	0.51	0.40***	0.29	0.55
	richest	0.75	0.53	1.06	0.27***	0.20	0.37	0.23***	0.16	0.34	0.23***	0.15	0.35
Place of residence	Urban (reference)												
	rural	0.61***	0.46	0.80	1.00	0.85	1.19	0.60***	0.51	0.72	0.85	0.62	1.16
Number of household member		1.04**	1.01	1.07	1.00	0.99	1.02	0.99	0.97	1.02	1.00	0.98	1.03
The highest education household head attended	Has no education (reference)												
	basic	0.38	0.13	1.10	1.23**	1.06	1.42	0.91	0.75	1.09	0.97	0.75	1.25
	secondary	0.83	0.37	1.87	0.75**	0.61	0.92	0.66***	0.54	0.81	0.67**	0.50	0.90
	higher	1.02	0.45	2.30	0.70*	0.53	0.94	0.41***	0.28	0.60	0.40***	0.26	0.62
Sex of household head	male (reference)												
	female	0.54***	0.42	0.69	0.31***	0.27	0.36	0.27***	0.23	0.32	0.25***	0.22	0.30
Age of household head		1.01***	1.01	1.02	1.02***	1.02	1.03	1.02***	1.01	1.02	1.01**	1.00	1.01

Note: RRR: relative risk ratio, lci: lower 95% confidence interval (ci), uci: upper 95% ci, * significant at $p < 0.05$, ** significant at $p < 0.01$, *** significant at $p < 0.001$

Table S5 Determinants of occasionally indoor smoking in 24 countries party to the WHO FCTC, based on one most recent DHS data

Household characteristics		Armenia			Benin			Burundi			Cambodia			Ethiopia		
		RRR	lci	uci	RRR	lci	uci	RRR	lci	uci	RRR	lci	uci	RRR	lci	uci
Wealth index	Poorest (reference)															
	poorer	0.98	0.73	1.29	0.81*	0.66	0.99	0.94	0.77	1.14	0.65**	0.51	0.84	0.95	0.79	1.14
	middle	1.57**	1.16	2.11	0.61***	0.49	0.76	0.85	0.69	1.05	0.57***	0.42	0.77	0.87	0.71	1.06
	richer	1.50*	1.07	2.10	0.52***	0.40	0.66	0.70**	0.56	0.87	0.61	0.41	0.90	0.81	0.66	1.00
Place of residence	richest	1.07	0.73	1.56	0.48***	0.34	0.67	0.52***	0.39	0.70	0.54**	0.34	0.85	0.67**	0.50	0.90
	Urban (reference)															
Place of residence	rural	0.95	0.74	1.21	0.84*	0.72	0.99	0.87	0.68	1.10	1.19	0.96	1.48	0.79	0.62	1.01
	Number of household member	1.23***	1.17	1.29	1.01	0.99	1.03	0.95**	0.92	0.98	1.00	0.98	1.02	1.03*	1.00	1.05
The highest education household head attended	Has no education (reference)															
	basic	0.63	0.16	2.48	0.75*	0.62	0.91	1.02	0.88	1.19	1.28*	1.02	1.60	1.02	0.87	1.18
	secondary	0.74	0.19	2.87	0.75*	0.59	0.94	0.77	0.58	1.03	1.19	0.92	1.54	0.89	0.70	1.12
Sex of household head	higher	0.52	0.13	2.04	0.67	0.44	1.00	0.36*	0.16	0.80	1.11	0.76	1.63	0.83	0.64	1.06
	Male (reference)															
Sex of household head	female	0.59***	0.50	0.70	0.78**	0.65	0.93	0.89	0.76	1.04	0.89	0.74	1.07	1.12	0.99	1.28
	Age of household head	1.00	0.99	1.00	1.00	1.00	1.01	1.00	1.00	1.01	1.00	0.99	1.00	1.00*	0.99	1.00
		Gabon			Gambia			Guinea			India			Jordan		
Wealth index	Poorest (reference)															
	poorer	0.84	0.68	1.04	0.68*	0.49	0.95	0.86	0.65	1.14	0.92	0.84	1.01	1.13	0.94	1.35
	middle	0.68**	0.53	0.87	0.74	0.48	1.15	0.68*	0.50	0.93	0.80***	0.73	0.89	1.27*	1.05	1.53
	richer	0.60***	0.46	0.80	0.72	0.43	1.21	0.67	0.44	1.01	0.72***	0.65	0.80	1.36**	1.10	1.69
Place of residence	richest	0.55***	0.40	0.75	0.63	0.36	1.12	0.91	0.52	1.58	0.52***	0.46	0.58	0.92	0.70	1.22
	Urban (reference)															
Place of residence	rural	1.06	0.90	1.25	0.84	0.62	1.15	0.86	0.61	1.20	1.36***	1.28	1.44	0.86	0.73	1.01
	Number of household member	1.00	0.97	1.02	1.00	0.98	1.01	1.02	0.99	1.04	1.14***	1.12	1.16	1.03	0.99	1.06
The highest education household head attended	Has no education (reference)															
	basic	1.32*	1.06	1.65	1.29	0.94	1.78	1.47*	1.08	2.00	1.20**	1.07	1.35	0.81	0.61	1.06
	secondary	1.04	0.83	1.30	1.13	0.87	1.47	1.64***	1.24	2.17	1.12	0.98	1.27	0.68**	0.53	0.87
Sex of household head	higher	0.98	0.72	1.34	1.10	0.76	1.60	1.17	0.79	1.73	0.85*	0.73	0.98	0.53***	0.40	0.70
	male (reference)															
Sex of household head	female	0.54***	0.46	0.63	0.75*	0.59	0.96	0.83	0.64	1.08	0.63***	0.59	0.68	0.52***	0.42	0.66
	Age of household head	0.99*	0.99	1.00	0.99	0.99	1.00	1.00	0.99	1.01	1.00**	0.99	1.00	0.98***	0.97	0.98

Note: RRR: relative risk ratio, lci: lower 95% confidence interval (ci), uci: upper 95% ci, * significant at $p < 0.05$, ** significant at $p < 0.01$, *** significant at $p < 0.001$

Table S5 Determinants of occasionally indoor smoking in 24 countries party to the WHO FCTC, based on one most recent DHS data (*continued from previous page*)

Variables		Kenya			Liberia			Mali			Nigeria			Nepal		
		RRR	lci	uci	RRR	lci	uci	RRR	lci	uci	RRR	lci	uci	RRR	lci	uci
Wealth index	poorest															
	poorer	1.40*	1.07	1.82	0.86	0.66	1.12	0.72*	0.55	0.94	1.19	0.94	1.51	0.93	0.80	1.07
	middle	0.82	0.60	1.12	0.77	0.56	1.05	0.77	0.60	1.00	1.43**	1.11	1.84	0.84*	0.72	0.98
	richer	0.65*	0.45	0.93	0.74	0.48	1.12	0.78	0.60	1.02	1.58**	1.16	2.15	0.67***	0.56	0.80
Place of residence	richest	0.47**	0.28	0.77	0.58	0.31	1.10	0.56**	0.39	0.80	1.21	0.84	1.74	0.42***	0.33	0.53
	urban															
	rural	0.98	0.79	1.21	1.07	0.81	1.40	0.43***	0.35	0.54	0.93	0.80	1.09	1.18**	1.05	1.31
Number of household member		1.00	0.97	1.04	0.97	0.93	1.00	1.01	0.98	1.03	0.93***	0.90	0.95	1.02	0.99	1.05
The highest education household head attended	Has no education (reference)															
	basic	1.65**	1.23	2.20	0.82	0.62	1.09	0.81	0.63	1.05	1.05	0.86	1.28	0.95	0.83	1.08
	secondary	1.52*	1.08	2.15	0.71*	0.54	0.92	0.67*	0.50	0.89	0.94	0.76	1.15	0.85*	0.72	1.00
	higher	1.01	0.63	1.63	0.86	0.54	1.36	0.53*	0.32	0.87	0.58***	0.44	0.76	0.69*	0.50	0.95
Sex of household head	Male (reference)															
	female	0.83	0.68	1.00	0.65***	0.51	0.82	0.73*	0.59	0.91	0.49***	0.40	0.60	0.77***	0.68	0.87
Age of household head		0.99	0.99	1.00	0.99	0.99	1.00	1.00	0.99	1.00	0.99**	0.99	1.00	0.99*	0.99	1.00
		Philippines			Pakistan			Rwanda			Sierra Leone			Senegal		
Wealth index	Poorest (reference)															
	poorer	0.89	0.79	1.00	1.12	0.81	1.57	0.70**	0.56	0.87	0.90	0.70	1.17	1.31	0.87	1.98
	middle	0.65***	0.56	0.75	1.33	0.92	1.92	0.61***	0.48	0.78	0.88	0.67	1.16	0.73	0.40	1.35
	richer	0.51***	0.43	0.61	1.22	0.81	1.84	0.51***	0.39	0.66	0.85	0.59	1.22	0.64	0.31	1.33
Place of residence	richest	0.38***	0.31	0.47	1.07	0.68	1.69	0.38***	0.25	0.59	0.56*	0.32	0.99	0.67	0.30	1.49
	urban															
	rural	0.99	0.90	1.09	1.51**	1.19	1.91	0.69**	0.55	0.87	0.70*	0.53	0.93	0.68	0.46	1.01
Number of household member		1.11***	1.09	1.13	0.99	0.96	1.03	0.97	0.93	1.01	0.93***	0.90	0.97	1.01	0.98	1.04
The highest education household head attended	Has no education (reference)															
	basic	0.98	0.77	1.24	0.92	0.67	1.26	0.84	0.69	1.02	1.21	0.93	1.59	0.91	0.58	1.42
	secondary	0.78	0.61	0.99	0.78	0.59	1.04	0.74	0.51	1.06	1.19	0.95	1.50	1.12	0.68	1.85
	higher	0.64**	0.49	0.83	0.73	0.52	1.02	0.64	0.35	1.16	0.64*	0.42	0.98	1.08	0.48	2.45
Sex of household head	male (reference)															
	female	0.62***	0.56	0.70	0.73	0.53	1.01	0.55***	0.46	0.67	0.87	0.72	1.06	0.88	0.62	1.24
Age of household head		0.99***	0.99	1.00	1.00	0.99	1.01	1.02***	1.02	1.03	1.01	1.00	1.01	0.99**	0.97	1.00

Note: RRR: relative risk ratio, lci: lower 95% confidence interval (ci), uci: upper 95% ci, * significant at $p < 0.05$, ** significant at $p < 0.01$, *** significant at $p < 0.001$

Table S5 Determinants of occasionally indoor smoking in 24 countries party to the WHO FCTC, based on one most recent DHS data (*continued from previous page*)

		Tajikistan			Uganda			Zambia			Zimbabwe		
		RRR	lci	uci	RRR	lci	uci	RRR	lci	uci	RRR	lci	uci
Wealth index	Poorest (reference)												
	poorer	0.86	0.64	1.14	0.71***	0.60	0.85	0.87	0.72	1.05	0.96	0.76	1.21
	middle	0.90	0.68	1.20	0.61***	0.51	0.74	0.73**	0.59	0.91	0.96	0.75	1.21
	richer	0.68*	0.50	0.92	0.53***	0.43	0.66	0.66**	0.48	0.90	0.74	0.54	1.03
	richest	0.79	0.56	1.13	0.26***	0.18	0.38	0.47***	0.31	0.72	0.50**	0.32	0.77
Place of residence	Urban (reference)												
	rural	0.89	0.67	1.19	0.79*	0.65	0.95	0.74**	0.61	0.91	1.35*	1.00	1.83
Number of household member		1.00	0.97	1.03	0.97*	0.95	1.00	1.00	0.98	1.03	1.01	0.98	1.04
The highest education household head attended	Has no education (reference)												
	basic	0.63	0.28	1.43	1.15	0.96	1.38	1.04	0.82	1.31	1.27	0.90	1.77
	secondary	0.65	0.33	1.30	0.84	0.66	1.08	0.81	0.62	1.05	1.12	0.78	1.61
	higher	0.57	0.28	1.14	0.73	0.52	1.01	0.62*	0.41	0.92	0.69	0.43	1.11
Sex of household head	male (reference)												
	female	0.79*	0.64	0.98	0.74***	0.64	0.85	0.62***	0.53	0.73	0.72***	0.62	0.84
Age of household head		1.01	1.00	1.01	1.01**	1.00	1.01	1.00	0.99	1.00	1.00	0.99	1.00

Note: RRR: relative risk ratio, lci: lower 95% confidence interval (ci), uci: upper 95% ci, * significant at $p < 0.05$, ** significant at $p < 0.01$, *** significant at $p < 0.001$

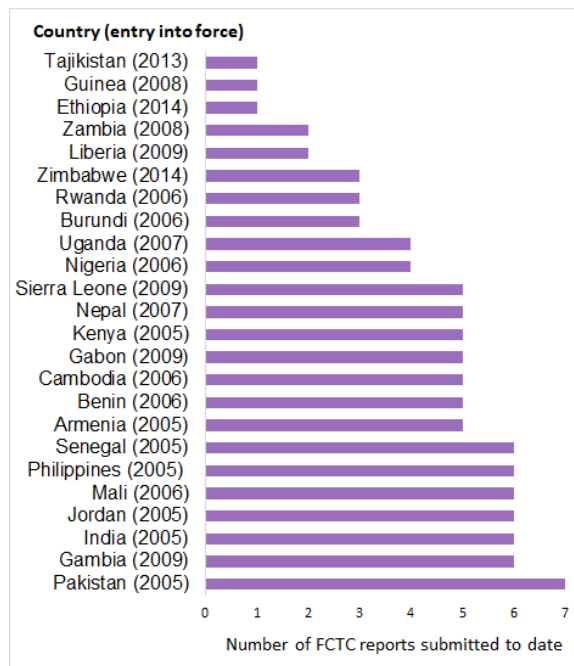


Figure S1 Number of FCTC reports submitted to date and the year that each country entered into force in 24 countries party to the WHO FCTC and conducted DHS survey

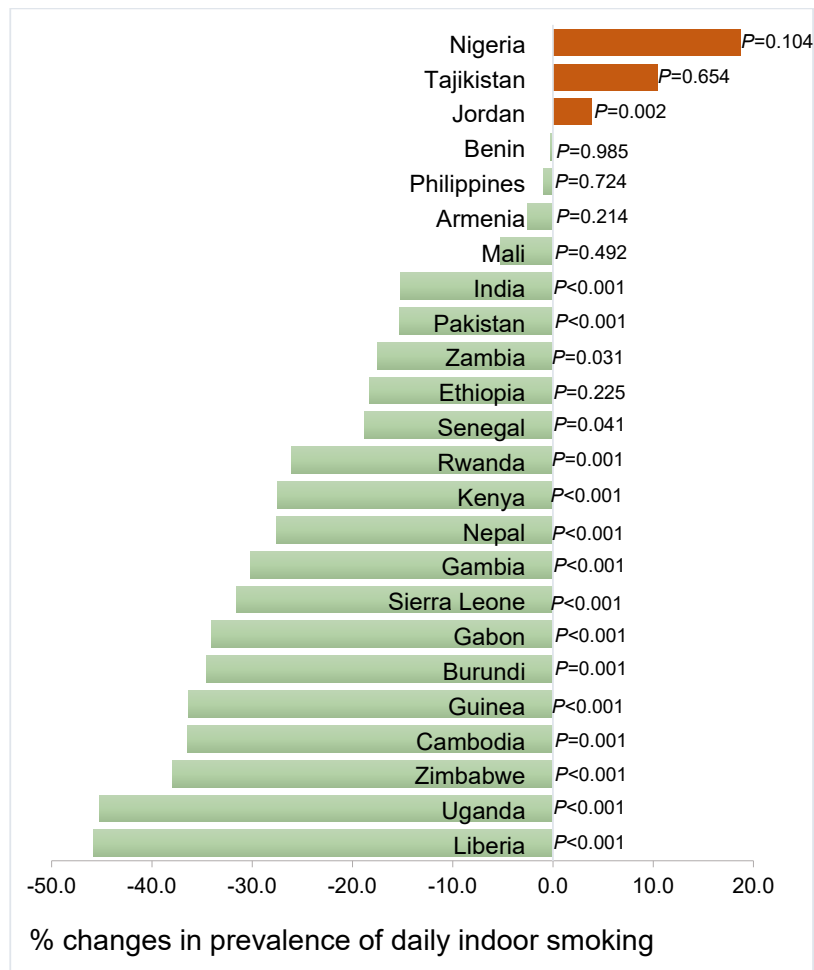


Figure S2 Percentage changes (decrease/increase) in the prevalence of daily indoor smoking, calculated based on the prevalence in the two consecutive surveys. Indicated p-values are from two-sample test of proportions.

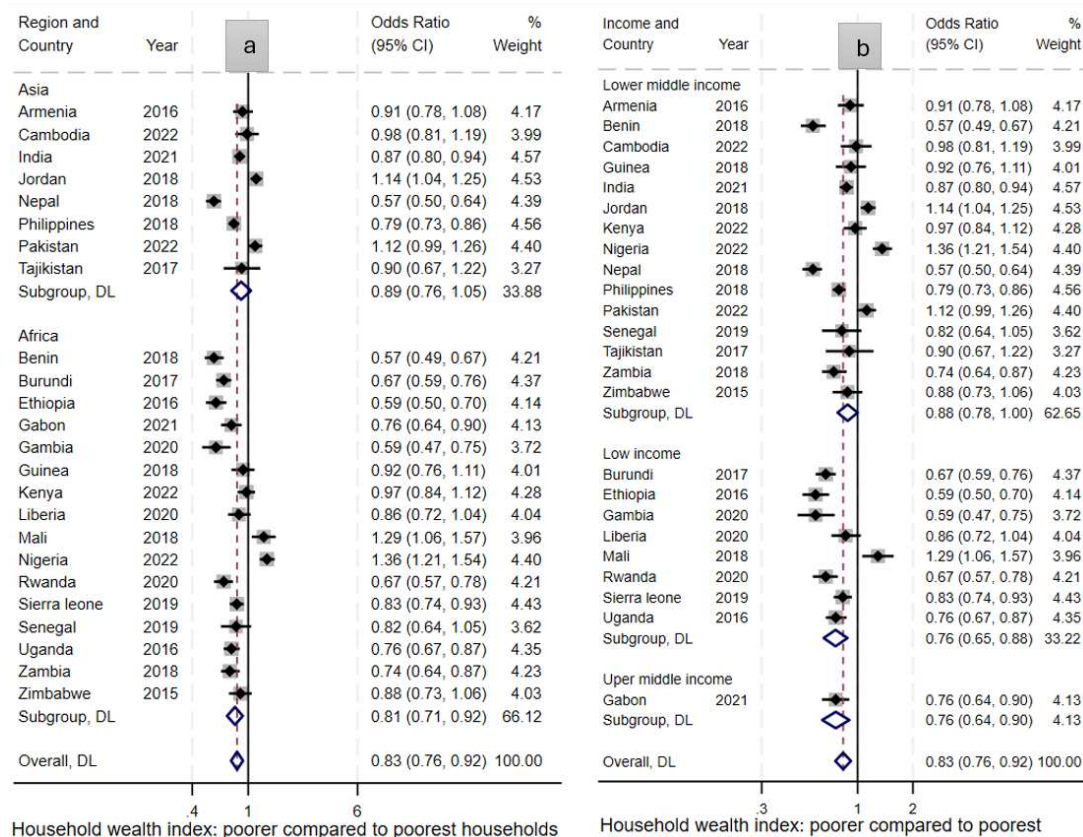


Figure S3 A meta-analysis of the RRR of daily smoking inside the house for household wealth index as a determinant: poorer compared to poorest, stratified by continent (panel a) and by income level (panel b)

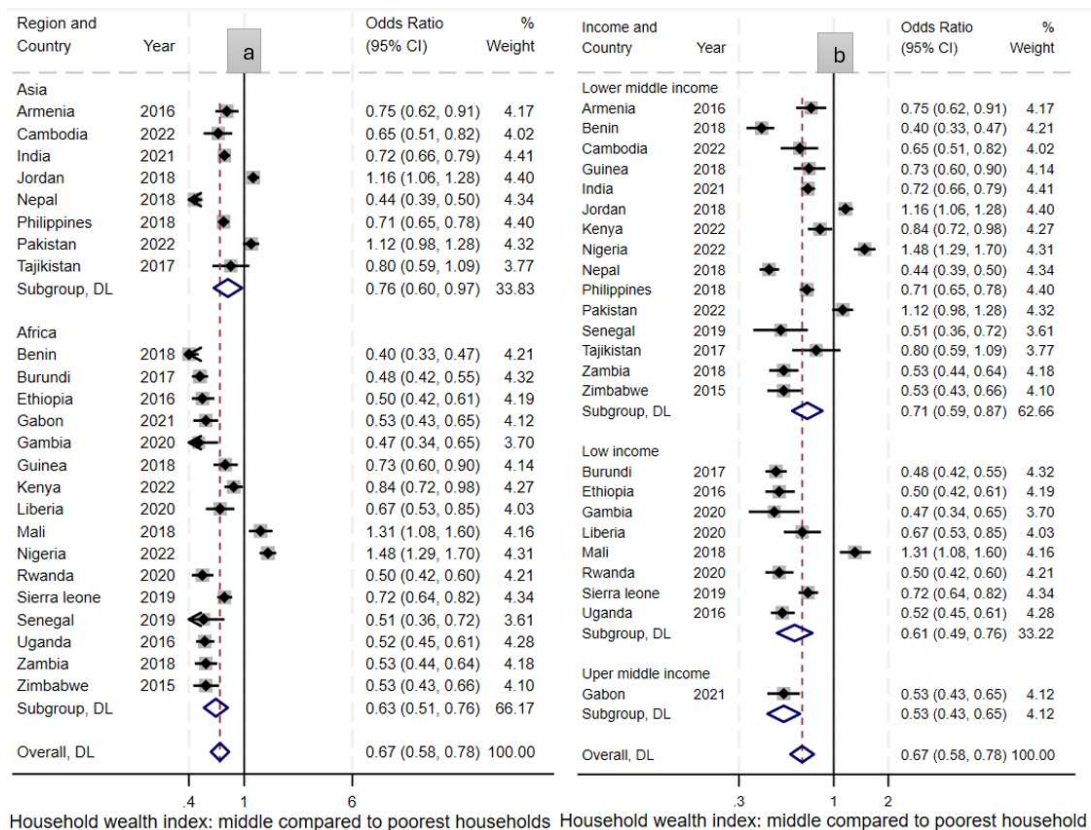


Figure S4 A meta-analysis of the RRR of daily smoking inside the house for household wealth index as a determinant: middle compared to poorest, stratified by continent (panel a) and by income level (panel b)

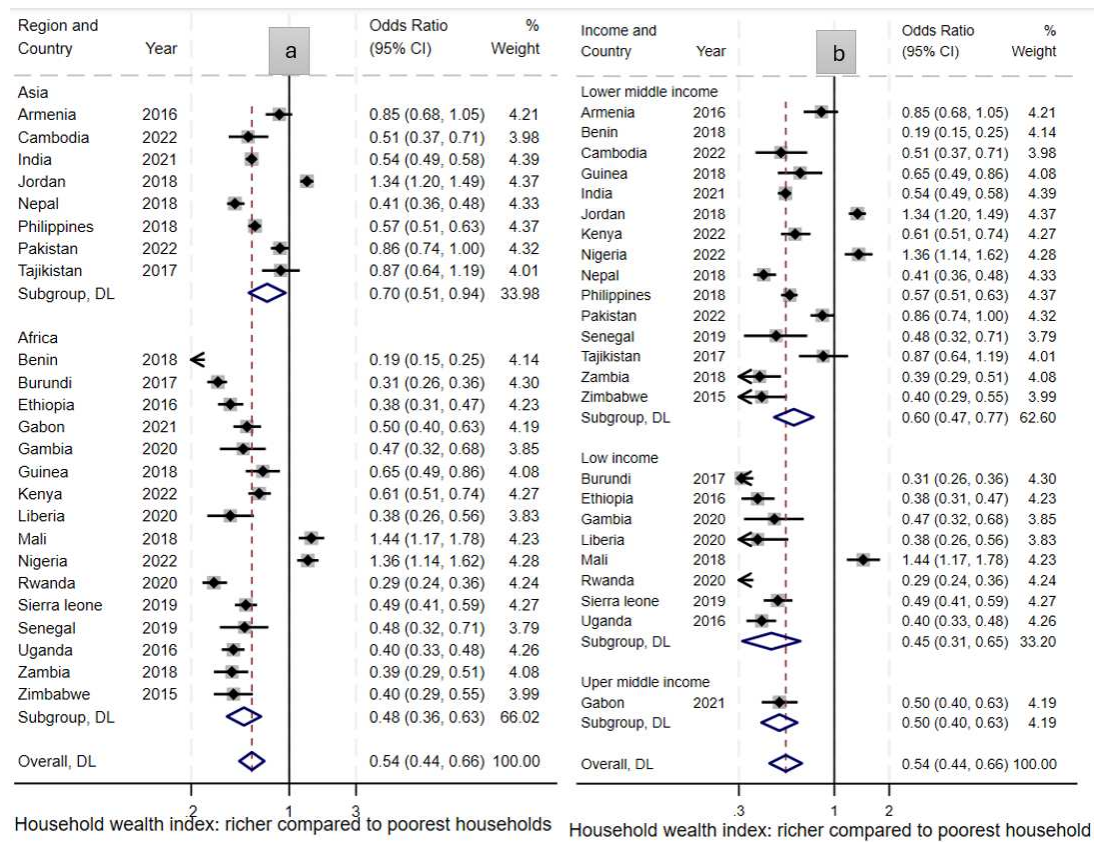


Figure S5 A meta-analysis of the RRR of daily smoking inside the house for household wealth index as a determinant: richer compared to poorest, stratified by continent (panel a) and by income level (panel b)

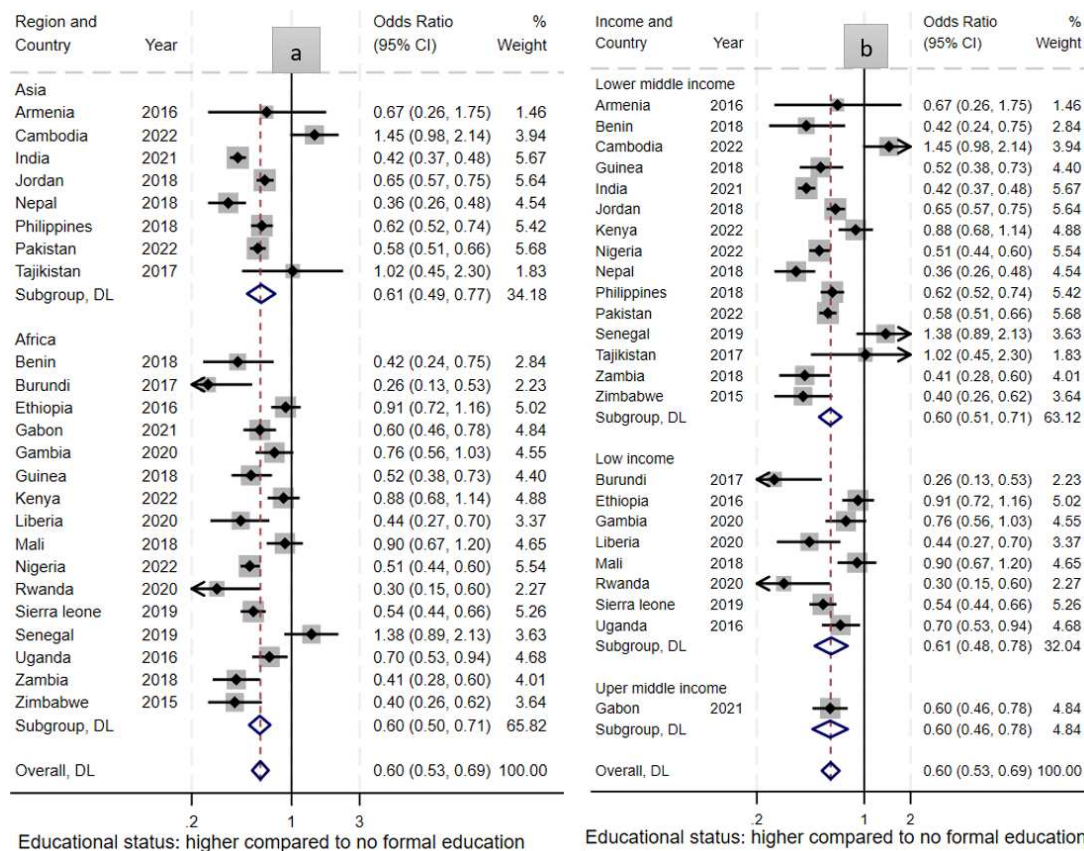


Figure S6 A meta-analysis of the RRR of daily smoking inside the house for educational status of head of the household as a determinant: higher compared to no formal education, stratified by continent (panel a) and by income level (panel b)