The searches were run on five databases based on the keywords mentioned in the protocol. The search criteria for each data base was a bit different for one another. The terminologies for mesh words was also different in databases hence modifications were made as per required. The mesh terms available were used for certain keywords whereas for rest simply keywords were used. Thereafter a search was run on google for grey literature and first hundred searches were reviewed. Tobacco related reports available on different websites- World Health organization (WHO), South East Asia Tobacco Control Alliance (SEATCA), International Agency for Research on Cancer (IARC) were also reviewed. However the references of these reports were further used for retrieving the relevant tobacco related articles. There were 880 searches in total (including grey literature) of which 132 were duplicates. After removing duplicates we have 748 searches now (from both scientific and grey literature) for screening.

Search strategy for (as on April 30, 2020)

Table S1: Medline search strategy:

LINK: https://www.ncbi.nlm.nih.gov/pubmed/?cmd=HistorySearch&querykey=41

((SEAR) OR South east asia) OR democratic people republic of korea) OR DRP) OR nepal) OR india) OR indonesia) OR myanmar) OR sri lanka) OR timor-leste) OR bhutan) OR bangladesh) OR maldives) OR thailand) AND English[lang])) AND ("Tobacco Products"[Mesh]) OR "Tobacco"[Mesh]) OR "Tobacco Use"[Mesh]) OR "Smoking"[Mesh]) OR "Tobacco, Smokeless"[Mesh]) AND English[lang])) OR cigarette*) OR cigarette) OR hookah) OR hukah) OR h#ka) OR sheesha) OR sh#sha) OR gul) OR cigar) OR naswar) OR naswa) OR kahini) OR zarda) OR jarda) OR gutka) OR gutkha) OR dhurat) OR zarga) OR beedi) OR bidi) OR b#di) OR SLT Filters: English AND (((("Taxes"[Mesh] AND English[lang])) OR ((((((((((((ad valorem*) OR price*) OR tax*) OR price) OR import duty) OR export duty) OR specific excise) OR ad valo*) OR mixed tax*) OR surcharge*) OR cess) OR VAT) OR value added tax*) AND English[lang])) AND English[lang])) AND (((((((affordability) OR tobacco use*) OR tobacco use) OR consumption) OR freequency) OR prevalence) OR smoking) AND English[lang]) =	**357**

Table S2: Cinahil search strategy = 273

#	Query	Limiters/Expanders	Last Run Via	Results
S2	""bhutan OR bangladesh OR india OR timor leste OR democratic people's republic of korea OR maldives OR myanmar OR sri lanka OR nepal OR south east asia) OR indonesia OR SEAR OR dprk""	Expanders - Apply related words; Also search within the full text of the articles; Apply equivalent subjects Search modes - Find all my search terms	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL	172,543
S3	9. MH "Taxes" OR "price OR price* OR tax* OR (value added tax or vat) OR ad valorem* OR import duty OR export duty OR specific excise* OR mixed tax OR surcharge* OR cess	Expanders - Apply related words; Also search within the full text of the articles; Apply equivalent subjects Search modes - Find any of my search terms	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL	1,219,129
S4	"(p#n OR churat OR hukah OR hookah OR beedi OR bidi OR sh$sha OR sadapatta OR vizapatta OR loose tobacco OR chewing tobacco OR SLT) OR (cigarettes OR tobacco OR tambakoo OR gutka OR gutkha OR gul OR cigar OR nas OR naswar OR nasvay OR khaini OR zarda) OR (1. "(MH "Tobacco") OR "tobacco" OR (MH "Tobacco, Smokeless") OR (MH "Tobacco Products"))"	Expanders - Apply related words; Also search within the full text of the articles; Apply equivalent subjects Search modes - Find any of my search terms	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL	42,414
S5	(MH "Tobacco") OR "tobacco" OR (MH "Tobacco, Smokeless") OR (MH "Tobacco Products") OR (p#n OR churat OR hukah OR hookah OR beedi OR bidi OR sh$sha OR sadapatta OR vizapatta OR loose tobacco OR chewing tobacco OR SLT) OR (cigarettes OR tobacco OR tambakoo OR gutka OR gutkha OR gul OR cigar OR nas OR naswar OR nasvay OR khaini OR zarda)	Expanders - Apply related words; Also search within the full text of the articles; Apply equivalent subjects Search modes - Find any of my search terms	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL	120,912
S7	""tobacco use OR affordability OR frequency OR prevalence OR consumption OR smoking""	Expanders - Apply related words; Also search within the full text of the articles; Apply equivalent subjects Search modes - Find all my search terms	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL	556,532
S8	S2 AND S3 AND S4 AND S5 AND S7	Expanders - Apply equivalent subjects Search modes - Find all my search terms	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL	273
S9	S2 AND S3 AND S4 AND S5 AND S7	Expanders - Apply equivalent subjects Narrow by Language: - english Search modes - Find all my search terms	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL	273

Table S3: Econlit search strategy: 32

#	Searches	Results
1	tobacco.af.	12216
2	tobacco.mp. [mp=heading words, abstract, title, country as subject]	12160
3	tobacco.mp. [mp=heading words, abstract, title, country as subject]	12160
4	tobacco products.mp. [mp=heading words, abstract, title, country as subject]	126
5	smoking.mp. [mp=heading words, abstract, title, country as subject]	1975
6	smokeless tobacco.mp. [mp=heading words, abstract, title, country as subject]	22
7	cigarette.mp. [mp=heading words, abstract, title, country as subject]	995
8	beedi.mp. [mp=heading words, abstract, title, country as subject]	13
9	bidi.mp. [mp=heading words, abstract, title, country as subject]	5
10	cigar.mp. [mp=heading words, abstract, title, country as subject]	25
11	gul.mp. [mp=heading words, abstract, title, country as subject]	131
12	SLT.mp. [mp=heading words, abstract, title, country as subject]	10
13	naswar.mp. [mp=heading words, abstract, title, country as subject]	0
14	nasvay.mp. [mp=heading words, abstract, title, country as subject]	0
15	nas.mp. [mp=heading words, abstract, title, country as subject]	246
16	khaini.mp. [mp=heading words, abstract, title, country as subject]	0
17	churat.mp. [mp=heading words, abstract, title, country as subject]	0
18	tambakoo.mp. [mp=heading words, abstract, title, country as subject]	0
19	sadapatta.mp. [mp=heading words, abstract, title, country as subject]	0
20	vizapatta.mp. [mp=heading words, abstract, title, country as subject]	0
21	smoking.mp. [mp=heading words, abstract, title, country as subject]	1975
22	smokeless tobacco.mp. [mp=heading words, abstract, title, country as subject]	22
23	Pa$n.mp. [mp=heading words, abstract, title, country as subject]	636
24	pan.mp. [mp=heading words, abstract, title, country as subject]	636
25	h$kah.mp. [mp=heading words, abstract, title, country as subject]	0
26	sh$sha.mp. [mp=heading words, abstract, title, country as subject]	0
27	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26	14804
28	tax*.mp. [mp=heading words, abstract, title, country as subject]	91386
29	price*.mp. [mp=heading words, abstract, title, country as subject]	207931
30	ad valo*.mp. [mp=heading words, abstract, title, country as subject]	580
31	mixed tax.mp. [mp=heading words, abstract, title, country as subject]	15
32	specific excise*.mp. [mp=heading words, abstract, title, country as subject]	12
33	surcharge*.mp. [mp=heading words, abstract, title, country as subject]	373
34	cess.mp. [mp=heading words, abstract, title, country as subject]	19
35	import duty.mp. [mp=heading words, abstract, title, country as subject]	36
36	export duty.mp. [mp=heading words, abstract, title, country as subject]	8
37	VAT.mp. [mp=heading words, abstract, title, country as subject]	11996
38	value added tax.mp. [mp=heading words, abstract, title, country as subject]	979
39	28 or 29 or 30 or 31 or 32 or 33 or 34 or 35 or 36 or 37 or 38	288517
40	SEAR.mp. [mp=heading words, abstract, title, country as subject]	4
41	south east asia.mp. [mp=heading words, abstract, title, country as subject]	412
42	DPRK.mp. [mp=heading words, abstract, title, country as subject]	16
43	india.mp. [mp=heading words, abstract, title, country as subject]	37688
44	timor-leste.mp. [mp=heading words, abstract, title, country as subject]	139
45	Sri lanka.mp. [mp=heading words, abstract, title, country as subject]	2212
46	maldives.mp. [mp=heading words, abstract, title, country as subject]	93
47	myanmar.mp. [mp=heading words, abstract, title, country as subject]	534
48	bhutan.mp. [mp=heading words, abstract, title, country as subject]	166
49	bangladesh.mp. [mp=heading words, abstract, title, country as subject]	4710
50	nepal.mp. [mp=heading words, abstract, title, country as subject]	4338
51	indonesia.mp. [mp=heading words, abstract, title, country as subject]	9038
52	40 or 41 or 42 or 43 or 44 or 45 or 46 or 47 or 48 or 49 or 50 or 51	53235
53	affordability.mp. [mp=heading words, abstract, title, country as subject]	1344
54	frequency.mp. [mp=heading words, abstract, title, country as subject]	12408
55	prevalence.mp. [mp=heading words, abstract, title, country as subject]	4422
56	consumption.mp. [mp=heading words, abstract, title, country as subject]	60413
57	smoking.mp. [mp=heading words, abstract, title, country as subject]	1975
58	53 or 54 or 55 or 56 or 57	78800
59	27 and 39 and 52 and 58	32

Table S4: Embase search strategy : 201

#	Searches	Results
1	tobacco/	49268
2	tax/	15756
3	smokeless tobacco/	4863
4	smoking/	314427
5	tobacco products.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	5350
6	cigarette.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	111868
7	beedi.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	113
8	bidi.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	578
9	cigar.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	1645
10	tobacco.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	157099
11	SLT.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	2849
12	churat.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	0
13	sh$sha.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	0
14	sadapatti.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	0
15	khaini.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	65
16	gutka.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	194
17	gutkha.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	160
18	naswa.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	0
19	nasvay.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	4
20	naswar.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	63
21	nas.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	10601
22	gul.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	172
23	p$n.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	26491
24	hukah.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	2
25	hookah.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	1123
26	tambakoo.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	2
27	1 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26	517585
28	tax*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	206466
29	price*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	54081
30	import duty.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	6
31	export duty.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	0
32	specific excise.mp. [mp=title, abstract, heading word, original title, device manufacturer,	19

#	Searches	Results
	drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	
33	ad valo*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	53
34	ad valorem*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	52
35	mixed tax.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	1
36	surcharge*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	1090
37	cess.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	526
38	value added tax*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	113
39	VAT.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	6185
40	2 or 28 or 29 or 30 or 31 or 32 or 33 or 34 or 35 or 36 or 37 or 38 or 39	265777
41	frequency.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	1233250
42	prevalence.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	1050569
43	smoking.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	486232
44	consumption.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	547871
45	affordability.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	6215
46	41 or 42 or 43 or 44 or 45	3010289
47	south east asia.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	5103
48	SEAR.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	450
49	india.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	217301
50	democratic people republic korea.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	0
51	Democratic People's Republic of Korea.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	90
52	DPRK.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	48
53	bhutan.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	976
54	myanmar.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	4950
55	bangladesh.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	19734
56	timor-leste.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	681
57	sri lanka.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	10474
58	nepal.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	13632
59	thailand.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	42494
60	maldives.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	446
61	47 or 48 or 49 or 50 or 51 or 52 or 53 or 54 or 55 or 56 or 57 or 58 or 59 or 60	302197
62	27 and 40 and 46 and 61	179
63	indonesia.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	23297
64	61 or 63	321806
65	27 and 40 and 46 and 64	201

Table S5: Tobacconomics

Total number available	587
On restricting the searches to Southern Asia, Southeast asia , India, Indonesia and Bangladesh (since these were available options) 9 searches were there	9

Table S6: Data Screening form:

Context of the Study
   a)   Intervention: Tobacco price/taxation measures like VAT, GST, ad valorem, specific tax, mixed tax, cess, Surcharge, import duty, export duty or other if any (mention).
   b) b) Population: Studies focusing on Southeast Asian Region (SEAR) countries, Bangladesh, Bhutan, DPRK, India, Indonesia, Maldives, Myanmar, Nepal, Sri Lanka, Thailand and Timor-Leste.	

Type of Data Analysis done:
   a)   Primary
   b)   Secondary data analysis
   c) For time series or single measurement before-after studies pre and post intervention measures have been assessed	

Measure of Outcome of the Study:
   a)   Effect on Consumption of tobacco products (prevalence or frequency of tobacco products; can be described as price- elasticity of demand)
   b)   Effect on affordability of tobacco products
   c)   Effect on consumption of other tobacco products (prevalence or frequency; can be described as cross-price-elasticity)
   d)   Change in consumption or affordability of tobacco products by any indicator of socio-economic status (e.g. income/wealth, education, occupation or any other SES indicator as relevant for respective settings).
   e) Exclude studies focusing on any other outcomes	

Table S7: Data Extraction form (Please mention the details for the following):

CADIMA Study ID:	
Study name	Name of study
Study ID along with Publication year	Please mention the given Article ID/ PMID/ DOI
Study authors	All the authors along with corresponding author and email address
Country	All the WHO-SEAR specific countries
Products	Please mention the products analysed: Cigarettes/ Bidis/ Smokeless or multiple
Study Design	Details on the design of the study
Intervention used (taxes/price):	Please mention the details about price / tax change along with the data points
Population/ Dataset used	Please mention the population characteristics in case of observational studies. Mention the details of datasets/ sources/surveys incase either of them are used for the analysis
Data Analysis	Mention the method used to calculate affordability or calculation; Models used in case of regression analysis
Outcome	Overall outcome of the study (primary as well secondary)
Primary outcome	Primary outcome along with the measures of Effect
Secondary outcome	Secondary outcome along with its measures of Effect
Conclusion	
Funding	
Conflict of interest	
Limitations	
Others	In case you feel something additional needs to be pointed as well in the study

Table S8: Modified Crombie's I tool for Critical Appraisal

Criteria	Scale	Leads for the reviewers
Clearly stated objectives	0 [No] 0.5[unclear] 1 [yes]	1. Was the purpose/rationale along with objective of the study clearly stated? - to evaluate the change in the affordability of tobacco products over time clearly mentioned? OR Change in frequency/prevalence of tobacco products with change in price or taxation (price elasticity) clearly mentioned in study?
Population/data sources used in the study	0 [No] 0.5[unclear] 1 [yes]	Has the author clearly mentioned the datasets to be used? Has the author clearly mentioned the representative population in a population-based survey? Are the datasets/data sources or population relevant as per the objective?
Description of the variables/ data collection methods?	0 [No] 0.5[unclear] 1 [yes]	Has the author clearly mentioned the variables to be derived from the data sources and the details on variables used in the study? Are the outcome variables in alignment with the objectives/purpose mentioned in the study? In the case of a population-based survey has the author provided detailed sample calculation and population characteristics? Has the author used a validated tool for data collection in a sample-based survey? Clearly defined independent and outcome variables?
Description of Data Analysis	0 [No] 0.5[unclear] 1 [yes]	Are the statistical analysis used in the study clearly mentioned in the study? Has the author used a validated method for the evaluation of the outcome? Are the regression or other statistical models used in the study clearly mentioned?
Assessment of statistical Significance	0 [No] 0.5[unclear] 1 [yes]	Is the statistical significance (p values or CI) clearly mentioned for the outcome variables? Has the author used suitable measurements for effect (frequency, OR, RR, etc)? If the results in tables can be clearly interpreted in terms of measures of effect?
Clearly stated conclusion	0 [No] 0.5[unclear]1 [yes]	Has the author clearly stated the results or conclusion- whether increased affordability or decreased? is the conclusion given in alignment with the objectives stated in the study?
Justification for the findings	0 [No] 0.5[unclear] 1 [yes]	Are the findings justified clearly by the author in the discussion section? Are the findings consistent with the previous literature, in case it is not is the reason justified
Limitations	0 [No] 0.5[unclear] 1 [yes]	Has the author clearly mentioned the limitations of the study or analysis? Has he mentioned the possibility of the scope of further research in tobacco taxation?
Policy Level Implications	0 [No] 0.5[unclear] 1 [yes]	Does the study mentions the policy level implications based on the results

Table S9: Title and authors for the included studies

Study ID	Study name	Author	Article ID	Publication Year
2	A decade of cigarette taxation in Bangladesh	N., Nargis; A.K.M.G., Hussain; M., Goodchild; A.C.K., Quah; Nargis, Nigar; Hussain, A K M Ghulam; Goodchild, Mark; Quah, Anne C K; Fong, Geoffrey T	doi: http://dx.doi.org/10.2471/BLT.18.2	2019
3	Changes in cigarette price,	M.J., Husain; D., Kostova; L., Mbulo; S., Benjakul; M., Kengganpanich; Husain, Muhammad Jami; Kostova, Deliana; Mbulo, Lazarous; Benjakul, Sarunya; Kengganpanich, Mondha; Andes, Linda; M.J., Husain; D., Kostova; L., Mbulo; S., Benjakul; M., Kengganpanich	doi:10.1016/j.ypmed.2017.05.027	2017
4	An international analysis of cigarette affordability	E.H., Blecher; Blecher, E H; van Walbeek, C P	doi: 10.1136/tc.2003.006726	2004
5	Association between tobacco prices and smoking onset: evidence from the TCP India Survey	Shang, Ce; Chaloupka, Frank J.; Gupta, Prakash C.; Pednekar, Mangesh S.; Fong, Geoffrey T.; C., Shang; F.J., Chaloupka; P.C., Gupta; M.S., Pednekar; Shang, Ce; Chaloupka, Frank J.; Gupta, Prakash C.; Pednekar, Mangesh S.; Fong, Geoffrey T.	doi. org/ 10. 1136/tobaccocontrol- 2017- 054178	2018
7	Smokeless tobacco use in India: Role of prices and advertising	D., Kostova; Kostova, Deliana; Dave, Dhaval	doi.org/10.1016/j.socscimed.2015.05.036	2015
8	Smoker's strategic responses to sin taxes: Evidence from panel data in Thailand	White, Justin S.; Hana, Ross; J.S., White	doi:10.1002/hec.3004	2015
11	Price Elasticity Estimates for Tobacco Products in India	RM, John; John, Rijo M	doi:10.1093/heapol/czn007	2008 May
14	Cigarette Affordability in Indonesia	Zheng, Rong; Marquez, Patricio V.; Ahsan, Abdillah; Hu, Xiao; Wang, Yang	World Bank Other Operational Studies 30027	2002-2017
20	Tobacco Taxes: A Win–Win Measure for Fiscal Space and Health ADB November 2012	Foster, D. S.	ISBN 978-92-9092-890-4 (Print), 978-92-9092-891-1 (PDF)	2012
22	The Impact of Cigarette Tax increase on Smoking Behavior of Daily Smokers	M., Kengganpanich; L., Termsirikulchai; Kengganpanich, Mondha; Termsirikulchai, Lakkhana; Benjakul, Sarunya; M., Kengganpanich; L., Termsirikulchai	PMID: 20232561	2009
24	The influence of Prices on Youth tobacco Use in India	R.A., Joseph; Joseph, Renu Ann; Chaloupka, Frank J; R.A., Joseph	doi:10.1093/ntr/ntt041	2013
26	The price sensitivity of cigarette consumption in Bangladesh: evidence from the International Tobacco Control (ITC) Bangladesh Wave 1 (2009) and Wave 2 (2010) Surveys	N., Nargis; U.H., Ruthbah; A.K.M., Ghulam Hussain; G.T., Fong; I., Huq; Nargis, Nigar; Ruthbah, Ummul H; Ghulam Hussain, A K M; Fong, Geoffrey T; Huq, Iftekharul; Ashiquzzaman, S M	doi:10.1136/tobaccocontrol-2012-050835	2014
28	The trend in the affordability of tobacco products in Bangladesh: findings from the ITC Bangladesh Surveys	Nargis, Nigar; Stoklosa, Michal; Drope, Jeffrey; Fong, Geoffrey T; Quah, Anne C K; Driezen, Pete; Shang, Ce; Chaloupka, Frank J; Hussain, A K M Ghulam	http:// dx. doi. org/ 10. 1136/ tobaccocontrol 2017 054035	April 2018
29	Trends in affordability of tobacco products before and after the transition to GST in India	R.M., John; Dauchy E. AO - John, Rijo M.; ORCID: http://orcid.org/0000-0002-4525-6507; John, Rijo M; Dauchy, Estelle	http:// orcid. org/ 0000- 0002- 4525- 6507	2020

36	The Impact of Income and Taxation in a Price-Tiered Cigarette Market – findings from the ITC Bangladesh Surveys	I., Huq; N., Nargis; D., Lkhagvasuren; A.G., Hussain; Fong G.T. AO - Nargis, Nigar; ORCID: http://orcid.org/0000-0003-4501-1398; Huq, Iftekharul; Nargis, Nigar; Lkhagvasuren, Damba; Hussain, A K M Ghulam; Fong, Geoffrey T	http://dx.doi.org/10.1136/tobaccocontrol- 2017-054053.	2018
37	Visualizing data: Trends in smoking tobacco prices and taxes in India	G.E., Guindon; T., Fatima; D.X., Li; A., Joukova; J., Sudhir; S., Mishra; F.J., Chaloupka; Guindon, G Emmanuel; Fatima, Tooba; Li, David X; Joukova, Alexandra; Sudhir, Jitender; Mishra, Sujata; Chaloupka, Frank J; Jha, Prabhat	doi:10.12688/gatesopenres.12894.1	2019
39	Socioeconomic factors associated with tobacco smoking among adult males in Sri Lanka	Fernando, Hiranya Nilakshi; Wimaladasa, Imaesha Thilini Pradeepika; Sathkoralage, Anjali Nimaya; Ariyadasa, Ashani Nisansala; Udeni, Chathurika; Galgamuwa, Lahiru Sandaruwan; Herath, Prasanna; Kumarasinghe, Nishantha	https://doi.org/10.1186/s12889-019-7147-9	2019
45	The association between state value-added taxes and tobacco use in India - Evidence from GATS and TCP India Survey	C., Shang; F.J., Chaloupka; G.T., Fong; P.C., Gupta; Shang, Ce; Chaloupka, Frank J; Fong, Geoffrey T; Gupta, Prakash C; Pednekar, Mangesh S	doi:10.1093/ntr/ntx184	2017
46	Smokeless tobacco product prices and taxation in Bangladesh: Findings from the International Tobacco Control Survey	Nargis, N.; Hussain, A. K.M.G.; Fong, G. T.; N., Nargis; A.K.M.G., Hussain	doi:10.4103/0019-509X.147452	2014
55	An Economic Analysis of Tobacco Demand in Sri Lanka	Arunatilake, Nisha	Sri Lanka Economic Journal, Vol. 3, No. 1, 96 – 120, 2000 and reproduced in Health, Nutrition and Population Discussion Paper: Economics of Tobacco Control Paper No. 12	2000
66	The Economics of Tobacco and Tobacco Taxation in India	John, Rijo M; Moore, James	ISBN: 978-2-914365-70-3	2010
67	Asian Tobacco Tax Report Cards Regional Comparisons and Trends 2014	Summary, Executive	Not given	2014
69	Cigarette Consumption, Taxation, and Household Income: Indonesia Case Study	Adioetomo, Sri Moertiningsih; Djutaharta, Triasih; Hendratno	Health, Nutrition, and Population Family (HNP) Discussion Paper of the World Bank's Human Development Network. Economics of Tobacco Control Paper No. 26	2005
70	A Study on the Economics of Tobacco in Nepal	Ayda Yurekli ayurekli, and; Gandhi Marg, Mahatma; Karki, Yagya B; Dev Pant, Kiran; Raj Pande, Badri	Health, Nutrition, and Population Family (HNP) discussion paper of the World Bank's Human Development Network Economics of Tobacco Control Paper No. 13	2003
71	Study on Poverty Alleviation and Tobacco Control in Myanmar	Ayda Yurekli, and; Nyo Kyaing, Nyo; Perucic, Anne-Marie; Rahman Co-Researchers, Khalilur; Shway Wynn, San; Ko Naing, Ko; Zeya, Kyaw; Khaing, Kyaw; Nyi Latt, Nyi; Maung, Maung	N/A Health, Nutrition and Population Discussion Paper	2005
72	Tobacco Economics in Myanmar	Kyaing, Nyo	ISBN 1-932126-48-1	2003 October
73	Aggregate Analysis of the Impact of Cigarette Tax Rate Increases on Tobacco Consumption and Government Revenue : The Case of Indonesia	Djutaharta, Triasih; Surya, Henry Viriya; Pasay, N Haidy; Hendratno; Adioetomo, Sri Moertiningsih	HNP papers	2005
74	Changes in the affordability of tobacco products in India during 2007/2008 to 2017/2018: a price-relative-to-income analysis	Goodchild, Mark; Sinha, Praveen; Gill Munish, Vineet; Tullu, Fikru Tesfaye	DOI: 10.4103/2224-3151.283001	2020

Table S10: Primary Outcome of the Studies

Study ID	Country	Product	Time frame	Intervention	Primary Outcome	Measure of effect	Outcome value	Adjusted OR	Lower 95% CI	Upper 95% CI	Marginal effect	SE
2	Bangladesh	Cigarettes	2009-2017	In 2006-07,2017-18 excise tax(%) on price tiers: (lower=32,53; medium-tiered=52,63;high tiered= 55,63; and premium tiered 57,65).	Change in adult smoking prevalence	Change in Frequency (%)	1.5(+)	na	na	na	na	na
2	Bangladesh	Bidi	2009-2017	Price per pack of 25 sticks: 6 to 10.61 BDT	Change in adult smoking prevalence	Change in Frequency (%)	(-4.6%)	na	na	na	na	na
2	Bangladesh	Bidi+Cigarette	2009-2017	Na	Change in adult smoking prevalence	Change in Frequency (%)	(-1.6%)	na	na	na	na	na
3	Thailand	Cigarettes manufactured	2009-2011	Average relative change in price 8.7%	Change in prevalence	Relative change in frequency (%)	1.7	na	na	na	na	NA
3	Thailand	Cigarette hand rolled (RYO)	2009-2011	Average relative change in price 8.7%	Change in prevalence	Relative change in frequency (%)	2.2	na	na	na	na	NA
3	Thailand	Dual smokers	2009-2011	Average relative change in price 8.7%	Change in prevalence	Relative change in frequency (%)	4.9	na	na	na	na	NA
3	Thailand	Cigarettes manufactured	2009-2011	Average relative change in price 8.7%	Affordability (RIP)	Relative change in Affordability index (%)	7.5	na	na	na	na	NA
4	Bangladesh	Cigarettes	1990-2001	Prices although given but not interpretable in due to the coding of countries	Affordability	Average annual change in Affordability (%)	>(-5)g	na	na	na	na	NA
4	India	Cigarettes	1990-2001	Prices although given but not interpretable in due to the coding of countries	Affordability	Average annual change in Affordability (%)	<(-5)g	na	na	na	na	NA
4	Sri Lanka	Cigarettes	1990-2001	Prices although given but not interpretable in due to the coding of countries	Affordability	Average annual change in Affordability (%)	<(-5)g	na	na	na	na	NA
4	Indonesia	Cigarettes	1990-2001	Prices although given but not interpretable in due to the coding of countries	Affordability	Average annual change in Affordability (%)	<(+5)g	na	na	na	na	NA
4	Thailand	Cigarettes	1990-2001	Prices although given but not interpretable in due to the coding of countries	Affordability	Average annual change in Affordability (%)	<(+5)g	**na**	**na**	**na**	na	na
5	India	Cigarettes	1998-2011	19 per 10 sticks	Change in consumption	Association for Cigarette smoking onset (Model-1)	na	**0.87**	**0.83**	**0.92**	na	NA
5	India	Cigarettes	1998-2011	19 per 10 sticks	Change in consumption	Association for Cigarette smoking onset (Model-2)	na	1.03	0.98	1.08	na	NA
5	India	Bidi	1998-2011	6 per 25 sticks	Change in consumption	Association for Bidi smoking onset(Model-2)	na	**0.42**	**0.35**	**0.51**	na	NA
5	India	Bidi	1998-2011	6 per 25 sticks	Change in consumption	Association for Any smoking onset (Model-2)	na	**0.67**	**0.56**	**0.81**	na	NA
7	India	Khaini	2009	2.8 per pouch	Price elasticity with ST	Price elasticity marginal effect	**na**	na	na	na	-0.1	NA
8	Thailand	Manufactured Cigarettes	2005-2006	Overall manufactured 3 bhatt	Price elasticity of cigarettes	Price elasticity marginal effect	**na**	na	na	na	(-0.059, 0.1040)	(0.391.0.44)
8	Thailand	Hand rolled (RYO)	2005-2006	RYO cigarettes 0.34	Price elasticity of RYO	Price elasticity marginal effect	na	na	na	na	-0	0.01

Study ID	Country	Product	Time frame	Intervention	Primary Outcome	Measure of effect	Outcome value	Adjusted OR	Lower 95% CI	Upper 95% CI	Marginal effect	SE
8	Thailand	Overall Cigarettes	2005-2006	Na	Change in consumption	Mean change in consumption of cigarettes/day	**-2.33**	na	na	na	na	na
8	Thailand	Cigarettes	2005-2006	Na	Change in consumption*	Marginal effect	No change*	na	na	na	na	na
11	India	Bidi	1999-2000	17 paisa*/stick	Price elasticity	Marginal effect (Symmetery Constrained estimates)	na	na	na	na	**(-0.922)to (-0.855)**	(0.043) and(0.084)resp
11	India	Cigarette	1999-2000	1.40 rupees /stick	Price elasticity	Marginal effect (Symmetery Constrained estimates)	na	na	na	na	**(-0.388)to (-0.196)**	(0.143)an d(0.429) resp
11	India	Leaf Tobacco	1999-2000	70 rupees/kg	Price elasticity	Marginal effect (Symmetery Constrained estimates)	na	na	na	na	**(-0.871) to(-0.874)**	(0.018) and (0.029) resp
14	Indonesia	Cigarettes	2002-2016	5381.3/20 sticks (IDR) to 19116.3	Affordability	Average affordability (RIP % Euromonitor)	6.03% to 4.02%	na	na	na	na	na
14	Indonesia	Cigarettes	2002-2016	5381.3/20 sticks (IDR) to 19116.4	Affordability	Cigarette affordability Index (Euromonitor)	1.00 to 1.50	na	na	na	na	na
14	Indonesia	Cigarettes	2011-2017	13462.3 to 244185 IDR/20 sticks	Affordability	Average affordability (RIP % MoF)	4.22% TO 4.71%	na	na	na	na	na
14	Indonesia	Cigarettes	2002-2016	13462.3 to 244185 IDR/20 sticks	Affordability	Cigarette affordability Index (MoF)	1.00 to 0.85	na	na	na	na	na
14	Indonesia	Cigarettes	2002-2016	13462.3 to 244185 IDR/20 sticks	Consumption	Consumption/capita (sticks)	1487 to 1796	na	na	na	na	na
20	India	Cigarettes	2011-12	2.43 (US$ PPP* adjusted)/ Tax per pack 46%	Consumption	Consumption on cigarette price for country	93 BILLION	na	na	na	na	na
20	Thailand	Cigarettes	2011-12	2.68 (US$ PPP* adjusted)/Tax per pack 69%	Consumption	Consumption on cigarette price for country	39 Billion	na	na	na	na	na
22	Thailand	Cigarette	2009	Excise tax increase from 80 to 85%	Consumption	Reduction in amount of cigarettes (%)	48%	na	na	na	na	na
24	India	Cigarette	2004	0.254/ stick	Price elasticity	Marginal effects from tobacco use participation	na	na	na	na	**-0.4**	NA
24	India	Bidi	2004	0.0204/stick	Price elasticity	Marginal effects from tobacco use participation	na	na	na	na	**-2.7**	NA
24	India	Gutka	2004	0.2866/pouch	Price elasticity	Marginal effects from tobacco use participation	na	na	na	na	**-0.6**	NA
26	Bangladesh	Cigarettes	2009-2010	Average price/pack (2009,2010): 17.4, 19.3)	Price elasticity	Marginal effects for consumption in 2009	na	na	na	na	-0.5	na
28	Bangladesh	Cigarettes	2009-2015	Overall(2009,2015): 27.53, 55.73 BDT /pack	Affordability	RIP(in % 2009, 2015)	16.36 , 13.62	na	na	na	na	9.60, 8.53(sd)

Study ID	Country	Product	Time frame	Intervention	Primary Outcome	Measure of effect	Outcome value	Adjusted OR	Lower 95% CI	Upper 95% CI	Marginal effect	SE
28	Bangladesh	Cigarettes	2009-2015	tax share (in % 2009,2015):for Low (47,59), medium (67,76) high(70,77),premium(72,77) price	Affordability	RIP(in % 2009, 2015)	low (6.61,8.58);medium(15.07,12.94);high(26.09,22.16);premium(32.05,27.32)	na	na	na	na	low (3.91,3.17);medium(6.90,6.80);high(11.75,9.91);premium(8.83,10.16)
28	Bangladesh	Bidi: Unfiltered Bidi//filtered bidi	2009-2015	Excise tax rate (in % 2009,2015):20,25/pack of 25 sticks//Excise tax rate (in % 2009,2015):25,30/pack of 20 sticks	Affordability	RIP(in % 2009, 2015)	4.8,2.5	na	na	na	na	NA
28	Bangladesh	Smokeless tobacco	2011-12,2014-25	Excise tax rate (in % 2011-12,2014-15): 10,60	Affordability	RIP(in % 2009, 2015)	3.1,3.2	na	na	na	na	na
29	India	Cigarettes	2007-8, 2017-18	Pre and post GST regime along with VAT (No prices mentioned)**	Affordability	Change in RIP(in % 2011-12, 2017-18)	(+3.4)	na	na	na	na	na
29	India	Bids	2007-8, 2017-18	Pre and post GST regime along with VAT (No prices mentioned)**	Affordability	Change in RIP(in % 2011-12, 2017-18)	(+2.2)	na	na	na	na	na
29	India	SLT	2007-8, 2017-18	Pre and post GST regime along with VAT (No prices mentioned)**	Affordability	Change in RIP(in % 2011-12, 2017-18)	(+8.5)	na	na	na	na	na
29	India	overall Tobacco products	2007-8, 2017-18	Pre and post GST regime along with VAT (No prices mentioned)**	Consumption	Change in consumption(in % 2011-12, 2017-18)	(-17%)	na	na	na	na	na
36	Bangladesh	Low tier Cigarettes	2009,2011-12	Excise tax (in % 2009, 2011-12) : 32,36	Prevalence of smokers (%)	Prevalence of smokers (in % 2009,2011-12)	29.64,42.82	na	na	na	na	na
36	Bangladesh	Medium tier Cigarettes	2009,2011-12	Excise tax (in % 2009, 2011-12) : 52,55	Prevalence of smokers (%)	Prevalence of smokers (in % 2009,2011-12)	46.15,31.30	na	na	na	na	na
36	Bangladesh	High tier Cigarettes	2009,2011-12	Excise tax (in % 2009, 2011-12) : 55,58	Prevalence of smokers (%)	Prevalence of smokers (in % 2009,2011-12)	16.51,17.11	na	na	na	na	na
36	Bangladesh	Premium tier Cigarettes	2009,2011-12	Excise tax (in % 2009, 2011-12) : 57,60	Prevalence of smokers (%)	Prevalence of smokers (in % 2009,2011-12)	7.70,8.77	na	na	na	na	na
37	India	Cigarettes	2007-08,2017-18	Real price annual rate increase 3%	Affordability	Change in RIP(in % 2007-08, 2017-18)	20	na	na	na	na	na
37	India	Bidis	2007-08,2017-18	Real price annual rate increase 3.7%	Affordability	Change in RIP(in % 2007-08, 2017-18)	30	na	na	na	na	na
39	SriLanka	Any tobacco product	2017	No value mentioned by author	Consumption	Participants reporting similar frequency after price increase	59.2	na	na	na	na	na
45	India	Bidi	2010-2013	VAT increase (% in 2010,2013): 5.5%, 14%	Prevalence and price elasticity	Prevalence of Bidi use (%) and marginal effect of Bidi use(GATS	9.2,10.7	na	na	na	(0.055,-0.013)	(0.090,0.025)

Study ID	Country	Product	Time frame	Intervention	Primary Outcome	Measure of effect	Outcome value	Adjusted OR	Lower 95% CI	Upper95% CI	Marginal effect	SE
						2009-10, TCCP 2012-13)						
45	India	Cigarettes	2010-2013	VAT increase (% in 2010,2013): 15%, 25%	Prevalence and price elasticity	Prevalence (%) and marginal effect of Cigarette use(GATS 2009-10, TCCP 2012-13)	5.8,11.5	na	na	na	(-1.722,-0.069)	(0.380,0.045)
45	India	Dual use	2010-2013	na	Prevalence	Prevalenc of dual use(% GATS 2009-10, TCCP 2012-13)	2.2,3.7	na	na	na	na	na
46	Bangladesh	Smokeless tobacco	2011-12	Price range for Zarda/gm(Lower, Higher): 0.60,0.60-1.00	Prevalence	Prevalence marginal effect coefficient (Cheaper, higher brand)		na	na	na	(-0.5003(coeff)),(0.3671(coeff))	NA
46	Bangladesh	Smokeless tobacco	2011-12	Price range for Zarda/gm(Lower, Higher): 0.60,0.60-1.00	Price elasticity	Price elasticity (lower, higher brand)		na	na	na	(-0.64,-0.39)	NA
55	Sri Lanka	Tobacco	1999-2000	Log mean of Tobacco price/unit of tobacco:1.14	Price elasticity of smoking participation	Price elasticity coefficient		na	na	na	0.1	
55	Sri Lanka	Tobacco	1999-2000	Log mean of Tobacco price/unit of tobacco:1.14	Conditional price elasticity of smoking consumption	Price elasticity coefficient		na	na	na	(-0.60)	
55	Sri Lanka	Tobacco	1999-2000	Log mean of Tobacco price/unit of tobacco:1.14	Overall price elasticity	Price elasticity coefficient		na	na	na	(-0.53)	
66	India	Cigarettes	1995-96 to 2007	WPI//CPI**(2001,2007): (1.19,1.19)//3.82,4.35**)	Affordability	RIP(%)/100 PACKS (2001,2007)	11.44,7.60	na	na	na	na	na
66	India	Bidis	1995-96 to 2007	WPI//CPI**(1996,2007): (1.11,1.04)//1.15,1.23**)	Affordability	RIP(%)/100 PACKS (2001,2007)	1.95,1.20	na	na	na	na	na
66	India	Chewing tobacco	1995-96 to 2007	WPI (1996,2007):1.17,1.22	Affordability	RIP(%)/100 PACKS (2001,2007)	0.64,0.48	na	na	na	na	na
67	Myanmar	Cheeroots	1991-2000	Price in MMK (%) (1991,2000): 12.36,7.4	Prevalence	prevalence (%)	31.1 % in 2001 and23.1 in 2007	na	na	na	na	na
67	Indonesia	Cigarettes	2000,2003, 2010	**	Prevalence in 1995, 2007 and 2013(%)	Prevalence (%)	27, 34.2 and 36.3	na	na	na	na	na
67	Thailand	cigarette	1991, 2000, 2007	tax (in % in year 1991, 2000, 2007):55,80,78	smoking prevalence	prevalence (% 1991, 2000, 2007)	32,21.2,19.9	na	na	na	na	na
69	Indonesia	Cigarettes	1998	Tax as % of price: 28.24	Smoking Price elasticity	Marginal effect coefficient	na	na	na	na	-0	na
69	Indonesia	Cigarettes	1998	Tax as % of price: 28.24	Conditional demand elasticitity	Marginal effect coefficient	na	na	na	na	-0.6	na
69	Indonesia	Cigarettes	1998	Tax as % of price: 28.24	Total Price elasticity	Marginal effect coefficient	na	na	na	na	-0.6	na
70	Nepal	Cigarettes	1972-2000	Decrease in Real cigarette price from 1972 to 2000 (graph given)	Per capita consumption	per capita consumption(%)	Per capita consumption increased	na	na	na		na

Study ID	Country	Product	Time frame	Intervention	Primary Outcome	Measure of effect	Outcome value	Adjusted OR	Lower 95% CI	Upper 95% CI	Marginal effect	SE
							4 times (graph values not interpretable)					
70	Nepal	Cigarettes+Bidis	2000	The annual average mean (Rs) spent on all tobacco products Rs.1239.9	Price elasticity of Tobacco	Marginal effect	na	na	na	na	(-0.882)	na
70	Nepal	Cigarettes+Bidis	2000	The annual average mean (Rs) spent on all tobacco products Rs.1239.9	Elasticity of smoking	Marginal effect	na	na	na	na	(-0.459)	na
70	Nepal	Cigarettes+Bidis	2000	The annual average mean (Rs) spent on all tobacco products Rs.1239.9	Conditional price elasticity	Marginal effect	na	na	na	na	**(-0.423)**	na
71	Myanmar	Cheeroots	2004	tax : 10% of price	Conditional price elasticity	Marginal effect	na	na	na	na	**(-0.36)**	0.04
71	Myanmar	Cigarettes	2004	tax:75% of price	Conditional price elasticity	Marginal effect	na	na	na	na	**(-0.25)**	0.06
71	Myanmar	Smokeless tobacco	2004	tax:25%of price	Conditional price elasticity	Marginal effect	na	na	na	na	**(-0.55)**	0.04
72	Myanmar	Cigarettes	2006-2017	Price (*2006,2017) : 118,659	Affordability	**Tobacco affordability Index (% 2006,2017)	(13.7,5.6)	na	na	na	na	na
72	Myanmar	Cheeroots	2006-2017	Price (*2010,2017) : 1620,1506	Affordability	**Tobacco affordability Index (% 2006,2017)	(14.8;19.6)	na	na	na	na	na
73	Indonesia	Cigarette	1970-2001	Real Price (1988,2001): (1011,1058)	Consumption(pack/capita)	consumption/pack	na	na	na	na	(29,90)	na
73	Indonesia	Cigarette	1970-2001	Real Price (1988,2001): (1011,1058)	Price elasticity(1970,2001)	Price elasticity coefficient	na	na	na	na	(-0.33,-0.47)	na
74	India	Cigarettes	2007 to 2017-18	Real prices/1000 sticks (2007,2017-18): (1251,1978)	Affordability	Average annual change in affordability from 2007-08 and 2017-18 (%)	0.5	na	(-1.02)	-2.02	na	na
74	India	Bidis	2008 to 2017-18	Real prices/1000 sticks (2007,2017-18): (937,1357)	Affordability	Average annual change in affordability from 2007-08 and 2017-18 (%)	-0.35	na	(-0.89)	-0.19	na	na
74	India	Chewing tobacco	2009 to 2017-18	Real prices/1000 sticks (2007,2017-18): (5508,8679)	Affordability	Average annual change in affordability from 2007-08 and 2017-18 (%)	**(-1.83)**	na	(-2.87)	(-0.80)	na	na

Table S11: Secondary outcome of the studies

Study ID	Country	Product	Time frame	Secondary Outcome	Covariates	AOR	95% CI LL	95% CI UL	Coefficient	S.E	Outcome change/frequency
2	Bangladesh	Cigarettes , Bidi and dual (secondary outcome)	2009-2017	Cross Price elasticity (Change in frequency of smokers due to price change)	Bidi smokers and dual	na	na	na	na	na	2.7 Million
3	Thailand	Cigarettes manufactured	2009-2011	Change in consumption based on SES	Education (completed college or university)	na	**0.612**	**1.328**	**0.97**	na	NA
3	Thailand	Cigarettes	2009-2011	Change in consumption based on SES	Income (highest quintile)	na	**0.174**	**0.862**	**0.518**	na	NA
5	India	Cigarettes	1998-2011	Cross price elasticity with any smoking onset	CPE with any smoking	**1.08**	1.03	1.13	**NA**	na	NA
5	India	Bidi	1998-2011	Cross price elasticity with any smoking onset	CPE with any smoking	**0.67**	0.51	0.81	**NA**	na	na
7	India	Bidi	2009	Cross Price elasticity with ST	Bidi Cross Price elasticity with ST	NA	NA	NA	(-0.016)	NA	NA
8	Thailand	Manufactured Cigarettes	2005-2006	Cross Price elasticity with both cigarettes	Cigarettes with both	NA	NA	NA	3.66	2.55	NA
8	Thailand	Manufactured Cigarettes	2005-2006	Cross Price elasticity	Cigarettes with RYO	NA	NA	NA	**9.24**	4.358	NA
8	Thailand	Hand rolled (RYO)	2005-2006	Cross Price elasticity	with Cigarettes	NA	NA	NA	**0.1746**	0.0748	NA
8	Thailand	Hand rolled (RYO)	2005-2006	Cross price elasticity	with both	NA	NA	NA	-0.262	0.1085	NA
11	India	Cigarettes	1999-2000	Income elasticity with cigarette	Income (overall range)	NA	NA	NA	**(0.108-0.240)**		NA
11	India	Bidis	1999-2000	Income elasticity with cigarette	Income (overall range)	NA	NA	NA	**(0.044-0.048)**		NA
11	India	Leaf Tobacco	1999-2000	Income elasticity with cigarette	Income (overall range)	NA	NA	NA	(0.005-0.103)		NA
11	India	Cigarettes	1999-2000	Cross Price elasticity (U/R)	CPE with Bidis and Leaf tobacco	NA	NA	NA	B (-0.091/-0.455)and LT(-0.003/0.021)	B (0.108/0.147) and LT (0.020/0.032)	NA
11	India	Bidi	1999-2000	Cross Price elasticity (U/R)	CPE with Cigarettes and Leaf tobacco	NA	NA	NA	C(-0.063/-0.084)and LT (0.11/-0.010)	C (0.093/0.029) and LT (0.010/0.009)	NA
11	India	Leaf Tobacco	1999-2000	Cross Price elasticity (U/R)	CPE with Cigarettes and bidis	NA	NA	NA	C(0.000/0.022) and B (0.071/-0.036)	C(0.119/0.025) and B (0.068/0.035)	NA

Study ID	Country	Product	Time frame	Secondary Outcome	Covariates	AOR	95% CI LL	95% CI UL	Coefficient	S.E	Outcome change/frequency
24	India	Cigarette	2004	income elatsicity	Income	NA	NA	NA	**0.167**	NA	NA
24	India	Bidi	2004	income elasticity	Income	NA	NA	NA	**0.111**	NA	NA
24	India	Gutka	2004	income elasticity	Income	NA	NA	NA	**0.144**	NA	NA
26	Bangladesh	Cigarettes	2009-2010	Conditional Price elasticity for consumption on SES (2OLS Model)	Education(primary)	NA	NA	NA	**0.0983**	2.46	NA
26	Bangladesh	Cigarettes	2009-2010	Conditional Price elasticity for consumption on SES (2OLS Model)	Occupation	NA	NA	NA	(farmer (**0.204**),Self employed(**0.170**), farm wage labourer(**0.177**), Clerk (**0.236**), unemployed (**0.260**))	(farmer (3.01),Self employed(2.16), farm wage labourer(2,72), Clerk (3.05), unemployed (4.06))	NA
26	Bangladesh	Cigarettes	2009-2010	Conditional Price elasticity for consumption on SES (2SLS Model)	Houshold income (SES)	NA	NA	NA	Low (-0.75), Medium (-0.40) and High (-0.36)	na	NA
28	Bangladesh	Cigarettes	2009-2015	Association of tobacco use with SES (IV model)	SES (High)	NA	na	na	-2.09	0.38	NA
36	Bangladesh	Lower tier cigarettes	2009-2015	Cross price elasticity	Higher tier cigarettes	na	na	na	**0.014**	0.002	NA
36	Bangladesh	Higher tier cigarettes	2009-2015	Cross price elasticity	Lower tier	na	na	na	**-0.024**	0.002	NA
36	Bangladesh	Cigarettes	2009-2015	Price elasticity on SES	Income (Model3): Higher/lower tier	na	na	na	**(0.007/-0.005)**	0.002/0.002	NA
37	India	Bidis	2007-8,2017-18	Affordability On SES basis	SES (low, high and medium)	na	na	na	na	na	Increased(**graph not interpretable)
37	India	Cigarettes	2007-08,2017-18	Affordability On SES basis	SES (low, high and medium)	na	na	na	na	na	no major difference(graph)
39	Sri lanka	any form of smoked tobacco	2017	Cross price elasticity	Participants reporting alternative product use due to price increase (%)	na	na	na	na	na	20
45	India	Bidi	2010-2013	Cross price elasticity with dual use	Association OF Bidi price with dual use(2009-10,2012-13) a	na	na	na	(Association: -0.854,1.135)and (-0.047,-0.013)	(0.141,0.025)	na

Study ID	Country	Product	Time frame	Secondary Outcome	Covariates	AOR	95% CI LL	95% CI UL	Coefficient	S.E	Outcome change/frequency
45	India	Cigarettes	2010-2013	Cross price elasticity with dual use	Association Cigarette price with dual use(2009-10,2012-13) and Price elasticity Cross	na	na	na	(Association: -15.061,-3.176)and (-**2.161,-0.650**)	(1.045,0.090)	na
46	Bangladesh	zarda	2011-12	Cross price elasticity with cigarette	Cross price elasticity coefficient	na	na	na	0.35	na	na
46	Bangladesh	Cigarette price	2011-12	Cross price elasticity on zarda prevalence	Marginal effect of cigarette price with zarda use	na	na	na	**0.0025**	na	na
46	Bangladesh	Bidi price	2011-12	Cross price elasticity on zarda prevalence	Marginal effect of Bidi price with zarda use	na	na	na	0.0055	na	na
55	Sri Lanka	Tobacco	1999-2000	Total Price elasticity and Conditional on SES Basis	Poorest (1)Expenditure groups	na	na	na	(-0.64and **-0.52**)	na	na
55	Sri Lanka	Tobacco	1999-2000	Total Price elasticity and Conditional PE on SES Basis	(2)Expenditure groups	na	na	na	(-0.55 and **-0.67**)	na	na
55	Sri Lanka	Tobacco	1999-2000	Total Price elasticity and Conditional PE on SES Basis	(3)Expenditure groups	na	na	na	(-0.60 and**-0.74**)	na	na
55	Sri Lanka	Tobacco	1999-2000	Total Price elasticity and Conditional PE on SES Basis	(4)Expenditure groups	na	na	na	(-0.68 and **-0.69**)	na	na
55	Sri Lanka	Tobacco	1999-2000	Total Price elasticity and Conditional PE on SES Basis	Richest (5)Expenditure groups	na	na	na	(-0.29 and**-0.56**)	na	na
69	Indonesia	cigarettes	1998	Price elasticity for Smoking participation on SES	Household income (Low , Middle, high)	na	na	na	(-0.03,0.09,0.20)	na	na
69	Indonesia	cigarettes	1998	Conditional demand elasticity on SES	Household income (Low , Middle, high)	na	na	na	**(0.91,0.29,0.009)**	na	na
69	Indonesia	cigarettes	1998	total price elasticity on SES	Household income (Low , Middle, high)	na	na	na	(-0.67,-0.33,-0.31)	na	na

Study ID	Country	Product	Time frame	Secondary Outcome	Covariates	AOR	95% CI LL	95% CI UL	Coefficient	S.E	Outcome change/frequency
70	Nepal	Cigarettes+Bidis	2000	Price elasticity, Condition PE and elasticity of smoking, on income quintile	Lowest (1) income group	na	na	na	(-0.79,**-0.478**,-0.312)	na	na
70	Nepal	Cigarettes+Bidis	2000	Price elasticity, Condition PE and elasticity of smoking, on income quintile	(2) income group	na	na	na	(-0.863,**-0.608**,-0.255)	na	na
70	Nepal	Cigarettes+Bidis	2000	Price elasticity, Condition PE and elasticity of smoking, on income quintile	(3) income group	na	na	na	(-0.825,**-0.479**,-0.346)	na	na
70	Nepal	Cigarettes+Bidis	2000	Price elasticity, Condition PE and elasticity of smoking, on income quintile	(4) income group	na	na	na	(-0.629,**-0.283**,-0.346)	na	na
70	Nepal	Cigarettes+Bidis	2000	Price elasticity, Condition PE and elasticity of smoking, on income quintile	Highest (5) income group	na	na	na	(-0.604,**-0.291**,0.313)	na	na
71	Myanmar	Cheeroots	2004	Conditional price elasticity on income quintiles	1 income group	na	na	na	**(-0.5)**	(-0.084)	na
71	Myanmar	Cheeroots	2004	Conditional price elasticity on income quintiles	2 income group	na	na	na	**(-0.44)**	0.077	na
71	Myanmar	Cheeroots	2004	Conditional price elasticity on income quintiles	3 income group	na	na	na	**(-0.22)**	-0.076	na
71	Myanmar	Cheeroots	2004	Conditional price elasticity on income quintiles	4 income group	na	na	na	**(-0.32)**	0.14	na

Study ID	Country	Product	Time frame	Secondary Outcome	Covariates	AOR	95% CI LL	95% CI UL	Coefficient	S.E	Outcome change/frequency
71	Myanmar	Cigarettes	2004	Conditional price elasticity on income quintiles	1 income group	na	na	na	**(-0.15)**	0.17	na
71	Myanmar	Cigarettes	2004	Conditional price elasticity on income quintiles	2 income group	na	na	na	**(-0.37)**	0.12	na
71	Myanmar	Cigarettes	2004	Conditional price elasticity on income quintiles	3 income group	na	na	na	**(-0.25)**	0.098	na
71	Myanmar	Cigarettes	2004	Conditional price elasticity on income quintiles	4 income group	na	na	na	**(-0.14)**	0.13	na
71	Myanmar	Cigarettes +Cheroots	2004	Price elasticity on income quintiles	1 income group	na	na	na	**(-0.29)**	0.13	na
71	Myanmar	Cigarettes +Cheroots	2004	Price elasticity on income quintiles	2 income group	na	na	na	**(-0.19)**	0.18	na
71	Myanmar	Cigarettes +Cheroots	2004	Price elasticity on income quintiles	3 income group	na	na	na	**(-0.1)**	0.14	na
71	Myanmar	Cigarettes +Cheroots	2004	Price elasticity on income quintiles	4 income group	na	na	na	**(-0.27)**	0.23	na

Table S12: Critical Appraisal of Studies

Article ID	Clearly stated objectives	Population/data sources used in the study	Description of the variables/ data collection methods	Description of Data Analysis	Assessment of statistical significance	Clearly stated conclusion	Justification for the findings	Limitations	Policy Level Implications	Total score
2	Yes	Yes	Yes	Unclear	Yes	Yes	Yes	Unclear	Yes	8
3	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Unclear	Yes	8.5
46	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	8
55	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8.5
45	Yes	Yes	Unclear	Yes	Yes	Yes	Yes	No	Yes	7.5
24	Unclear	Unclear	Yes	Yes	Yes	Yes	Yes	No	Unclear	7
26	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	8
28	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
29	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Unclear	Yes	8.5
73	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	7
66	Unclear	Unclear	Yes	Yes	Unclear	Yes	Unclear	No	No	4.5
36	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Unclear	Yes	8.5
37	Yes	Yes	Yes	Unclear	No	Unclear	Yes	Yes	Yes	7
39	Yes	Yes	Unclear	Unclear	Unclear	Unclear	No	No	No	2.5
69	Yes	Yes	Yes	Yes	Yes	Yes	Unclear	Yes	Yes	8.5
11	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
14	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
20	Yes	Yes	Unclear	No	Unclear	Yes	Unclear	Unclear	Yes	6
22	Yes	Yes	Unclear	Yes	Yes	Yes	Yes	Yes	Yes	8.5
72	No	No	Unclear	Yes	Yes	Yes	Yes	No	Yes	6
4	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
67	No	No	Unclear	Unclear	No	Yes	Unclear	No	Yes	4.5
70	Unclear	Unclear	Yes	Yes	Yes	Yes	Unclear	Yes	Yes	8
5	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Unclear	Yes	8.5
7	Yes	Yes	Yes	Yes	Yes	Yes	Unclear	No	Yes	6.5
8	Unclear	Unclear	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8.5
71	Yes	Yes	Yes	Yes	Unclear	Yes	Yes	No	Unclear	7
74	Yes	Yes	Yes	Yes	Yes	Yes	Unclear	No	Unclear	7