

Table S1: Prevalence of other tobacco uses in Lao People's Democratic Republic, 2015, weighted prevalence (95% CI)

Characteristics	Other smoked tobacco current users ^a			Current users of both smoked and smokeless tobacco			Former tobacco smokers		
	Total (n=206)	Men (n=115)	Women (n=91)	Total (n=36)	Men (n=6)	Women (n=30)	Total (n=319)	Men (n=283)	Women (n=36)
Overall, % (95% CI)	2.4 (1.6-3.7)	2.9 (1.8-4.5)	2.0 (1.1-3.7)	0.6 (0.3-1.1)	0.2 (0.1-0.5)	0.9 (0.5-1.8)	4.3 (3.2-5.7)	8.1 (5.8-11.2)	0.9 (0.6-1.2)
Age group (years)									
15-24	0.7 (0.3-1.5)	0.3 (0.1-1.6)	0.9 (0.4-2.1)	0.1 (0.0-0.5)	0.1 (0.0-1.1)	0.0	0.9 (0.7-1.2)	1.9 (1.5-2.5)	0.1 (0.0-0.6)
25-34	2.2 (1.3-3.7)	2.9 (1.7-5.0)	1.6 (0.8-3.4)	0.0	0.0	0.0	1.9 (1.0-3.6)	3.9 (1.9-7.9)	0.3 (0.1-1.0)
35-44	2.9 (1.7-4.7)	3.4 (1.9-6.0)	2.4 (1.3-4.3)	0.7 (0.3-1.5)	0.1 (0.0-1.1)	1.2 (0.5-2.8)	4.1 (3.0-5.5)	7.4 (5.3-10.1)	1.0 (0.5-1.7)
45-54	3.1 (1.8-5.1)	3.0 (1.6-5.5)	3.1 (1.5-6.3)	0.5 (0.2-1.7)	0.3 (0.1-1.4)	0.7 (0.3-2.0)	6.0 (4.7-7.7)	11.3 (8.3-15.2)	1.4 (0.8-2.4)
≥55	3.2 (2.3-4.7)	4.3 (2.8-6.6)	2.1 (1.0-4.2)	1.6 (0.9-2.8)	0.4 (0.1-0.9)	3.0 (1.6-5.5)	8.5 (6.0-11.9)	14.6 (9.9-21.0)	1.7 (1.2-2.4)
Residence									
Urban	0.7 (0.3-1.5)	1.1 (0.5-2.5)	0.3 (0.1-1.2)	0.1 (0.0-0.6)	0.0	0.2 (0.1-1.2)	5.5 (3.3-8.8)	11.1 (6.5-18.2)	0.5 (0.2-1.2)
Rural	3.2 (2.0-5.1)	3.7 (2.3-6.0)	2.8 (1.4-5.4)	0.8 (0.4-1.5)	0.3 (0.1-0.6)	1.2 (0.6-2.5)	3.8 (3.0-4.7)	6.8 (5.3-8.6)	1.0 (0.7-1.5)
Ethnicity									
Lao	0.9 (0.6-1.4)	1.3 (0.7-2.4)	0.6 (0.4-0.8)	0.6 (0.3-1.5)	0.2 (0.0-0.6)	1.0 (0.4-2.5)	4.6 (3.2-6.5)	8.9 (5.9-13.3)	0.8 (0.4-1.5)
Others ^b	4.8 (3.0-7.6)	5.3 (3.0-9.0)	4.4 (2.3-8.3)	0.5 (0.3-0.8)	0.3 (0.1-0.5)	0.7 (0.4-1.2)	3.8 (2.9-5.1)	6.8 (4.9-9.4)	1.0 (0.6-1.8)
Religion									
Buddhist	0.9 (0.6-1.3)	1.3 (0.8-2.3)	0.5 (0.4-0.7)	0.6 (0.2-1.4)	0.1 (0.0-0.5)	0.9 (0.4-2.3)	4.8 (3.6-6.4)	9.6 (6.9-13.1)	0.7 (0.4-1.3)
Others	6.3 (4.2-9.5)	6.6 (3.6-11.6)	6.1 (3.1-11.6)	0.7 (0.5-1.0)	0.4 (0.2-0.9)	1.0 (0.6-1.4)	2.4 (1.7-3.3)	3.8 (2.6-5.4)	1.0 (0.5-2.2)
None	15.9 (6.2-34.9)	16.7 (6.9-35.1)	15.2 (5.1-37.2)	0.0	0.0	0.0	5.8 (3.1-10.9)	6.2 (2.1-17.0)	5.5 (3.6-8.4)
Marital status									
Never married	0.8 (0.3-2.1)	0.7 (0.2-1.8)	1.1 (0.3-4.2)	0.1 (0.0-0.6)	0.1 (0.0-1.0)	0.0	0.9 (0.3-2.6)	1.8 (0.6-4.8)	0.0
Currently married	2.8 (1.9-4.1)	3.3 (2.2-5.1)	2.3 (1.3-3.9)	0.5 (0.2-1.1)	0.2 (0.1-0.6)	0.8 (0.4-1.8)	5.0 (3.8-6.7)	9.5 (6.8-13.1)	0.9 (0.6-1.4)
Divorced/ Separated/ Widowed	2.4 (1.2-4.5)	5.1 (2.0-12.5)	1.6 (0.7-3.5)	2.4 (1.5-4.0)	0.0	3.1 (1.8-5.3)	3.9 (2.5-5.9)	10.1 (5.7-17.3)	2.0 (1.2-3.4)
Education level ^c									
Never attended school	6.6 (4.1-10.5)	9.6 (6.0-15.0)	5.6 (2.8-10.7)	2.0 (1.1-3.5)	0.5 (0.3-0.8)	2.5 (1.4-4.6)	2.8 (2.0-3.7)	5.9 (4.2-8.2)	1.7 (1.1-2.4)
Primary school	2.7 (1.7-4.3)	4.0 (2.2-6.9)	1.6 (0.9-2.8)	0.5 (0.2-1.3)	0.2 (0.1-0.7)	0.8 (0.3-1.9)	4.3 (3.3-5.8)	8.2 (5.9-11.2)	0.9 (0.6-1.5)
Secondary school	0.7 (0.4-1.3)	1.2 (0.7-2.2)	0.2 (0.1-0.4)	0.1 (0.0-0.6)	0.1 (0.0-1.1)	0.0	4.5 (3.1-6.5)	8.4 (5.7-12.1)	0.4 (0.1-1.6)
High school or higher	0.4 (0.2-0.8)	0.6 (0.3-1.3)	0.0	0.1 (0.0-0.5)	0.1 (0.0-0.8)	0.0	5.2 (3.6-7.4)	8.4 (5.3-13.2)	0.2 (0.0-1.4)

Income per day in
US dollars

<1.9 ^d	3.7 (2.1-6.2)	4.1 (2.3-7.4)	2.7 (1.1-6.5)	1.2 (0.7-2.0)	0.5 (0.2-1.3)	2.5 (1.4-4.7)	6.5 (5.1-8.3)	8.7 (6.6-11.4)	1.8 (1.1-2.8)
≥1.9	1.5 (0.9-2.5)	2.0 (1.3-3.3)	0.3 (0.0-2.4)	0.4 (0.1-1.2)	0.0	1.1 (0.3-3.9)	8.6 (6.1-22.0)	12.7 (8.6-18.3)	0.5 (0.1-2.2)

Note: n: unweighted counts

^a Including cigars, tobacco pipe, and water-pipes

^b including PhouThai, Khermou, Khamu, Khmu, Leu, Mong, etc.

^c for those aged ≥18

^d International poverty line (<http://povertydata.worldbank.org/poverty/country/LAO>)

Table S2: Bivariate associations between current tobacco use (versus never/former used) and selected characteristics, Lao People's Democratic Republic, 2015, OR (95% CI)

Characteristics	All tobacco use		Cigarette smoking		Tobacco chewing in women
	Men	Women	Men	Women	
Unweighted counts	Current=1833, Never/Former=1752	Current=596, Never/Former=3381	Current=1743 Never/Former=1842	Current=198 Never/Former=3779	Current=342 Never/Former=3635
Age group (years)					
15-24	1	1	1	1	— ^e
25-34	2.45 (1.83-3.27)	2.61 (1.74-3.90)	2.31 (1.73-3.09)	3.19 (1.33-7.66)	1
35-44	4.17 (3.21-5.41)	5.17 (3.10-8.64)	3.85 (2.92-5.08)	5.13 (1.75-15.03)	6.12 (3.96-9.48)
45-54	5.34 (3.95-7.20)	10.05 (6.51-15.53)	4.95 (3.68-6.66)	9.25 (3.58-23.89)	10.48 (6.41-17.15)
≥55	5.88 (4.34-7.97)	26.61 (14.73-48.06)	4.88 (3.53-6.75)	8.69 (3.12-24.19)	53.08 (35.55-79.26)
P trend	<.001	<.001	<.001	<.001	<.001
Residence					
Urban	1	1	1	1	1
Rural	1.88 (1.35-2.63)	2.92 (1.18-7.24)	1.75 (1.25-2.46)	3.80 (1.04-13.86)	2.08 (0.80-5.37)
Ethnicity					
Lao	1	1	1	1	1
Others ^a	1.27 (0.94-1.72)	1.51 (0.88-2.58)	1.08 (0.78-1.50)	1.64 (0.90-3.00)	0.87 (0.53-1.44)
Religion					
Buddhist	1	1	1	1	1
Others ^b	1.35 (0.93-1.96)	1.68 (0.99-2.86)	1.09 (0.73-1.63)	2.16 (1.18-3.97)	0.65 (0.40-1.05)
None	1.63 (0.96-2.77)	2.21 (0.86-5.70)	1.22 (0.80-1.88)	3.98 (1.46-10.86)	—
Marital status					
Never married	0.22 (0.18-0.28)	0.26 (0.09-0.29)	0.24 (0.19-0.31)	0.08 (0.02-0.30)	0.16 (0.09-0.26)
Currently married	1	1	1	1	1
Divorced/ Separated/ Widowed	1.72 (1.15-2.57)	3.19 (2.59-3.93)	1.37 (0.97-1.93)	1.57 (1.11-2.23)	4.67 (3.60-6.07)
Education level ^c					
Never attended school	6.00 (4.16-8.65)	36.86 (26.67-50.96)	4.10 (3.08-5.44)	38.10 (19.81-73.27)	25.47 (18.04-35.96)
Primary school	3.76 (3.12-4.53)	8.28 (6.01-11.40)	3.40 (2.88-4.02)	14.30 (5.74-35.60)	5.81 (3.82-8.85)
Secondary school	2.33 (1.88-2.89)	1	2.32 (1.86-2.88)	1	1
High school or higher	1	— ^f	1	— ^f	— ^f
P trend	<.001	<.001	<.001	<.001	<.001
Income per day in US dollars					
<1.9 ^d	1.28 (1.04-1.57)	4.12 (2.43-6.97)	1.21 (0.97-1.51)	4.12 (1.72-9.89)	2.99 (1.89-4.73)

≥1.9	1	1	1	1	1
Occupation					
Unemployed	1	1	1	1	1
Government sector	1.29 (0.99-1.68)	0.10 (0.03-0.32)	1.41 (1.08-1.85)	-	0.16 (0.05-0.49)
Non-government company/organization	2.48 (1.88-3.29)	0.44 (0.33-0.59)	2.56 (1.96-3.33)	0.45 (0.34-0.61)	0.24 (0.17-0.34)
Agriculture	3.61 (2.82-4.63)	0.87 (0.59-1.28)	3.57 (2.77-4.61)	1.03 (0.56-1.92)	0.74 (0.53-1.03)
Non-farm self-employed	2.91 (1.98-4.26)	0.28 (0.16-0.51)	3.27 (2.28-4.67)	0.12 (0.02-0.59)	0.42 (0.22-0.78)
Others	2.32 (1.72-3.13)	0.73 (0.48-1.11)	2.49 (1.86-3.32)	0.59 (0.34-1.00)	1.01 (0.59-1.74)

^a including PhouThai, Khermou, Khamu, Khmu, Leu, Mong, etc.

^b including Christian, Pee, Phi, Phy, Pi, etc.

^c for those aged ≥18

^d International poverty line (<http://povertydata.worldbank.org/poverty/country/LAO>)

^e This age group was merged with the 25–34 year age group due to very low or zero frequencies.

^f This education level was merged with secondary school for analyses in women due to very low or zero frequencies.

Table S3: Percentage of adults aged ≥15 years who believed that smoking causes bronchitis, lung cancer, or heart diseases, by smoking status and selected demographic characteristics, Lao People's Democratic Republic, 2015, weighted % (95% CI)

Characteristics	Overall	Current tobacco smokers	Never tobacco smokers	<i>P</i> value ^d
Overall	90.4 (87.8-92.4)	88.4 (85.6-90.7)	90.8 (87.8-93.0)	.083
Sex				
Male	92.6 (90.5-94.3)	90.8 (88.5-92.6)	94.0 (91.2-95.9)	.007
Female	88.3 (85.1-91.0)	73.1 (66.3-79.0)	89.5 (86.2-92.0)	<.001
Age group (years)				
15-24	92.9 (91.2-94.3)	90.8 (87.5-93.3)	93.2 (91.3-94.8)	.145
25-34	89.9 (86.6-92.5)	87.4 (83.6-90.5)	90.5 (86.6-93.4)	.102
35-44	90.6 (87.7-92.9)	89.1 (85.2-92.1)	91.0 (87.4-93.7)	.303
45-54	90.7 (87.8-93.0)	89.9 (87.0-92.2)	90.5 (86.6-93.3)	.733
≥55	87.8 (83.8-90.9)	86.3 (81.9-89.8)	87.1 (81.5-91.1)	.772
Residence				
Urban	95.0 (91.3-97.2)	93.5 (90.6-95.5)	95.4 (90.8-97.7)	.280
Rural	88.2 (85.1-90.8)	86.9 (82.8-90.2)	88.3 (85.2-90.9)	.287
Ethnicity				
Lao	94.7 (93.0-96.0)	93.6 (92.0-94.8)	94.9 (92.7-96.5)	.210
Others ^a	83.4 (80.9-85.7)	81.9 (77.9-85.2)	83.5 (80.7-85.9)	.369
Religion				
Buddhist	93.9 (92.1-95.3)	93.1 (91.4-94.4)	93.9 (91.6-95.7)	.424
Others ^b	78.5 (75.0-81.7)	76.9 (72.0-81.2)	78.8 (74.4-82.7)	.469
None	95.8 (92.3-97.7)	94.7 (82.1-98.6)	96.1 (92.0-98.2)	.498
Education level ^c				
Never attended school	72.0 (67.6-76.0)	69.4 (62.2-75.8)	72.4 (67.9-76.5)	.369
Primary school	91.5 (89.0-93.4)	90.9 (88.6-92.8)	91.4 (88.4-93.6)	.711
Secondary school	95.2 (94.0-96.2)	95.2 (93.4-96.6)	95.0 (93.3-96.2)	.790
High school or higher	97.8 (97.0-98.4)	95.6 (92.1-97.5)	98.3 (97.7-98.8)	.008

^a including PhouThai, Khermou, Khamu, Khmu, Leu, Mong, etc.

^b including Christian, Pee, Phi, Phy, Pi, etc.

^c for those aged ≥18 years

^d For the difference in prevalence in current tobacco smokers versus in never tobacco smokers, using Pearson Chi-square test.