

## Illicit cigarette market size and tobacco taxation in Bangladesh: A gap analysis using GATS data

### Supplementary material

Year	2009	2010*	2011*	2012*	2013*	2014*	2015*	2016*	2017
Cigarette smoking prevalence (age 15+)	12.47%	12.48%	12.49%	12.51%	12.52%	12.53%	12.54%	12.55%	12.56%
Population (age 15+)	98,900,606	100,376,576	102,011,826	103,855,872	105,778,629	107,722,118	109,683,773	111,658,077	113,406,537
Number of smokers (age 15+)	12333360	12,528,998	12,744,876	12,987,241	13,239,883	13,495,566	13,753,975	14,014,425	14,246,957
Average sticks consumed per person/year	3297	3294	3291	3288	3285	3282	3279	3276	3272
Lower bound of prevalence	11.53%	11.55%	11.57%	11.58%	11.60%	11.62%	11.64%	11.65%	11.67%
Upper bound of prevalence	13.41%	13.42%	13.42%	13.43%	13.43%	13.44%	13.44%	13.45%	13.45%
Lower bound of smoking intensity	3171	3169	3168	3166	3165	3163	3161	3160	3158
Upper bound of smoking intensity	3422	3418	3413	3409	3405	3400	3396	3391	3387
Registered sales	62,882,005,805	69,366,751,700	77,630,330,315	74,592,361,715	73,141,886,450	81,147,835,970	83,165,197,480	84,013,426,350	82,224,160,640
Total sticks consumed per year (central estimate)	40,663,089,399	41,270,519,412	41,943,386,916	42,702,048,408	43,493,015,655	44,292,447,612	45,099,284,025	45,911,256,300	46,616,043,453
80% uplifted lower estimate	65,091,984,701	66,130,081,328	67,275,077,082	68,559,970,954	69,899,211,384	71,254,597,400	72,624,465,061	74,005,187,666	75,238,558,045
80% uplifted central estimate	73,193,560,918	74,286,934,942	75,498,096,449	76,863,687,134	78,287,428,179	79,726,405,702	81,178,711,245	82,640,261,340	83,908,878,216
80% uplifted upper estimate	81,692,803,655	82,839,997,429	84,116,324,823	85,562,231,753	87,070,185,984	88,592,329,760	90,126,504,744	91,668,137,213	93,021,571,033

  

Year	2009	2010	2011	2012	2013	2014	2015	2016	2017
lower estimate illicit market size	4%	-5%	-13%	-8%	-4%	-12%	-13%	-12%	-8%
central estimate illicit market size	16%	7%	-3%	3%	7%	-2%	-2%	-2%	2%
upper estimate illicit market size	30%	19%	8%	15%	19%	9%	8%	9%	13%

\* indicates interpolated estimates

### Illicit market size and tax rate 2009-2017

Year	Avg. tax rate	estimate with uplift	Lower estimate	Upper estimate
2009	63%	16%	4%	30%
2010*	64%	7%	-5%	19%
2011*	65%	-3%	-13%	8%
2012*	67%	3%	-8%	15%
2013*	68%	7%	-4%	19%
2014*	69%	-2%	-12%	9%
2015*	72%	-2%	-13%	8%
2016*	74%	-2%	-12%	9%
2017	75%	2%	-8%	13%

\* indicates interpolated estimates

