



## **Supplementary Material**

**Article Title:** Trends in Illicit Drug Use Among Smokers and Nonsmokers in the United States, 2002–2014

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**Supplementary eTable 1.** Prevalence of and linear trend for any past month opioids and tobacco status National Survey on Drug Use and Health among persons 12 years and older (NSDUH), 2002-2014

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Trends	
	wt% (SE)													OR (95% CI); t-test (p-value); Beta (95% CL)	AOR* (95% CI); t-test (p-value); Beta (95% CL)
Past-month opioid use	1566	1724	1684	1734	1710	1681	1703	1841	1689	1586	1496	1287	1119	0.99 (0.98 - 1.00) t=-2.0 (0.04) -0.008 (-0.02, -0.002)	1.00 (0.99 - 1.01) t=0.2 (0.82) 0.0009 (-0.007, 0.01)
% total NSDUH	1.9	2.0	1.9	1.9	2.1	2.1	2.0	2.1	2.1	1.8	2.0	1.8	1.7		
SE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
Current smokers <sup>1</sup> (n)	826	902	915	909	915	910	915	1001	895	812	745	626	513	1.01 (1.00 - 1.01) t=1.1 (0.28) 0.005 (-0.004, 0.01)	1.02 (1.01 - 1.03) t=3.5 (0.0005) 0.02 (0.007, 0.03)
% opioid user	4.2	4.4	4.6	4.3	4.8	5.0	4.7	5.5	5.2	4.5	4.7	4.7	4.1		
SE	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3		
Former smokers <sup>2</sup> (n)	96	99	84	112	87	98	112	88	108	88	99	87	110	1.02 (1.00 - 1.05) t=1.6 (0.11) 0.02 (-0.005, 0.05)	1.03 (1.00 - 1.05) t=2.1 (0.04) 0.03 (0.002, 0.05)
% opioid user	1.2	1.0	0.6	1.0	1.1	1.1	1.3	0.7	1.4	0.9	1.3	1.0	1.4		
SE	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2		
Never-Smokers <sup>3</sup> (n)	644	723	685	713	708	673	676	752	686	686	652	574	496	0.99 (0.98 - 1.00) t=-2.6 (0.01) -0.01 (-0.03, -0.003)	0.99 (0.98 - 1.00) t=-1.5 (0.12) -0.009 (-0.02, 0.003)
% opioid user	1.2	1.4	1.2	1.3	1.3	1.3	1.2	1.4	1.2	1.2	1.3	1.1	1.1		
SE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
Differential time trend: year as continuous x smoking status (in 3 categories)														F(2)=5.3 (0.006)	F(2)=5.5 (0.005)
Differential time trend: year as continuous x smoking (current vs. never smokers)														F(1)=8.4 (0.004)	F(1)=8.5 (0.004)
Differential time trend: year as continuous x smoking (former vs. never smokers)														F(1)=6.3 (0.01)	F(1)=5.6 (0.02)
Differential time trend: year as continuous x smoking (current vs. former smokers)														F(1)=1.5 (0.23)	F(1)=0.8 (0.37)

AOR, adjusted odds ratio; CI, confidence interval; OR, odds ratio; SE, standard error; wt, weighted

\*Adjusted for sex, age, race, income, education

<sup>1</sup> Current smokers were persons who reported smoking  $\geq 100$  cigarettes during their lifetime and who, at the time of interview, reported smoking every day or some days in the past 30 days.<sup>2</sup> Former smokers were persons who reported smoking  $\geq 100$  cigarettes during their lifetime and who, at the time of interview, reported not smoking any cigarettes during the past 30 days.<sup>3</sup> Never smokers were persons who reported never smoking  $\geq 100$  cigarettes during their lifetime.

**Supplementary eTable 2.** Prevalence of and linear trend for any past month cocaine and tobacco status National Survey on Drug Use and Health among persons 12 years and older (NSDUH), 2002-2014

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Trends	
	wt% (SE)													OR (95% CI); t-test (p-value); Beta (95% CL)	AOR* (95% CI); t-test (p-value); Beta (95% CL)
Past-month cocaine use	648	685	659	717	652	592	512	429	430	414	363	368	363	0.95 (0.94 - 0.96) t=-9.4 (<0.001) -0.05 (-0.06, -0.04)	0.96 (0.95 - 0.97) t=-8.2 (<0.001) -0.04 (-0.05, -0.03)
% total NSDUH	0.9	1.0	0.8	1.0	1.0	0.9	0.8	0.7	0.6	0.5	0.6	0.6	0.6		
SE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.04	0.04	0.1	0.1	0.1		
Current smokers <sup>1</sup> (n)	509	516	523	558	474	455	384	316	309	301	267	265	231	0.96 (0.95 - 0.97) t=-6.3 (<0.001) -0.04 (-0.05, -0.03)	0.96 (0.95 - 0.98) t=-5.6 (<0.001) -0.04 (-0.05, -0.02)
% cocaine user	2.9	3.2	2.7	3.2	3.1	3.1	2.5	2.3	2.2	1.8	2.4	2.2	1.9		
SE	0.2	0.3	0.2	0.2	0.3	0.3	0.2	0.3	0.2	0.2	0.3	0.2	0.2		
Former smokers <sup>2</sup> (n)	28	37	30	29	32	20	26	16	29	17	17	18	25	0.98 (0.94 - 1.02) t=-0.8 (0.42) -0.02 (-0.06, 0.02)	0.99 (0.95 - 1.03) t=-0.4 (0.67) -0.01 (-0.05, 0.03)
% cocaine user	0.2	0.3	0.3	0.3	0.4	0.2	0.4	0.2	0.2	0.2	0.3	0.3	0.2		
SE	0.1	0.1	0.1	0.04	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
Never-Smokers <sup>3</sup> (n)	111	132	106	130	146	117	102	97	92	96	79	85	107	0.96 (0.94 - 0.99) t=-3.3 (0.001) -0.04 (-0.06, -0.01)	0.97 (0.95 - 0.99) t=-3.0 (0.003) -0.03 (-0.05, -0.01)
% cocaine user	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1	0.2	0.2	0.2	0.3		
SE	0.04	0.04	0.04	0.03	0.04	0.1	0.04	0.1	0.02	0.03	0.03	0.04	0.04		
Differential time trend: year as continuous x smoking status (in 3 categories)														F(2)=0.6 (0.56)	F(2)=0.5 (0.61)
Differential time trend: year as continuous x smoking (current vs. never smokers)														F(1)=0.2 (0.69)	F(1)=0.2 (0.69)
Differential time trend: year as continuous x smoking (former vs. never smokers)														F(1)=0.7 (0.41)	F(1)=0.7 (0.41)
Differential time trend: year as continuous x smoking (current vs. former smokers)														F(1)=1.3 (0.29)	F(1)=1.0 (0.23)

AOR, adjusted odds ratio; CI, confidence interval; OR, odds ratio; SE, standard error; wt, weighted

\*Adjusted for sex, age, race, income, education

<sup>1</sup>Current smokers were persons who reported smoking  $\geq 100$  cigarettes during their lifetime and who, at the time of interview, reported smoking every day or some days in the past 30 days.<sup>2</sup>Former smokers were persons who reported smoking  $\geq 100$  cigarettes during their lifetime and who, at the time of interview, reported not smoking any cigarettes during the past 30 days.<sup>3</sup>Never smokers were persons who reported never smoking  $\geq 100$  cigarettes during their lifetime.

**Supplementary eTable 3.** Prevalence of and linear trend for any past month hallucinogens and tobacco status National Survey on Drug Use and Health among persons 12 years and older (NSDUH), 2002-2014

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Trends	
	wt% (SE)													OR (95% CI); t-test (p-value); Beta (95% CL)	AOR* (95% CI); t-test (p-value); Beta (95% CL)
Hallucinogens <sup>1</sup>	575	524	482	503	440	480	532	534	593	506	484	451	357	1.01 (0.99 - 1.02) t=1.1 (0.29)	1.01 (1.00 - 1.03) t=2.3 (0.02)
% total NSDUH	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.5	0.5	0.001 (-0.001, 0.02)	0.01 (0.001, 0.03)
SE	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.03	0.03	0.1	0.04		
Current smokers <sup>2</sup> (n)	373	341	288	313	264	302	327	317	353	306	259	253	197	1.01 (1.00 - 1.03) t=2.0 (0.05)	1.03 (1.02 - 1.05) t=4.4 (<0.001)
% hallucinogen user	1.3	1.3	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.2	1.3	1.4	1.4	0.01 (-0.0001, 0.03)	0.03 (0.02, 0.05)
SE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1		
Former smokers <sup>3</sup> (n)	22	24	22	20	14	16	17	18	30	26	28	22	30	1.08 (1.01 - 1.17) t=2.2 (0.03)	1.09 (1.02 - 1.18) t=2.4 (0.02)
% hallucinogen user	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.3	0.3	0.08 (0.01, 0.15)	0.09 (0.02, 0.17)
SE	0.1	0.1	0.04	0.04	0.04	0.04	0.02	0.1	0.1	0.02	0.03	0.2	0.1		
Never-Smokers <sup>4</sup> (n)	180	159	172	170	162	162	188	199	210	174	197	176	130	1.01 (0.99 - 1.03) t=0.6 (0.58)	1.01 (0.99 - 1.03) t=1.2 (0.25)
% hallucinogen user	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.3	0.3	0.2	0.3	0.3	0.2	0.006 (-0.01, 0.03)	0.01 (-0.009, 0.03)
SE	0.02	0.03	0.03	0.03	0.04	0.03	0.02	0.03	0.02	0.02	0.03	0.05	0.03		
Differential time trend: year as continuous x smoking status (in 3 categories)														F(2)=1.8 (0.17)	F(2)=1.9 (0.16)
Differential time trend: year as continuous x smoking (current vs. never smokers)														F(1)=0.4 (0.51)	F(1)=1.2 (0.27)
Differential time trend: year as continuous x smoking (former vs. never smokers)														F(1)=3.6 (0.06)	F(1)=3.4 (0.07)
Differential time trend: year as continuous x smoking (current vs. former smokers)														F(1)=3.3 (0.07)	F(1)=2.5 (0.12)

AOR, adjusted odds ratio; CI, confidence interval; OR, odds ratio; SE, standard error; wt, weighted

\*Adjusted for sex, age, race, income, education

<sup>1</sup>Current smokers were persons who reported smoking  $\geq 100$  cigarettes during their lifetime and who, at the time of interview, reported smoking every day or some days in the past 30 days.

<sup>2</sup>Former smokers were persons who reported smoking  $\geq 100$  cigarettes during their lifetime and who, at the time of interview, reported not smoking any cigarettes during the past 30 days.

<sup>3</sup>Never smokers were persons who reported never smoking  $\geq 100$  cigarettes during their lifetime.

**Supplementary eTable 4.** Prevalence of and linear trend for any past month stimulants and tobacco status National Survey on Drug Use and Health among persons 12 years and older (NSDUH), 2002-2014.

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Trends	
	wt% (SE)													OR (95% CI); t-test (p-value); Beta (95% CL)	AOR* (95% CI); t-test (p-value); Beta (95% CL)
Stimulants <sup>1</sup> (n)	480	485	525	489	451	384	355	426	389	366	386	412	405	0.99 (0.98 - 1.00) t=-1.4 (0.16)	1.00 (0.99 - 1.01) t=-0.1 (0.95)
% total NSDUH	0.6	0.6	0.6	0.5	0.6	0.5	0.4	0.5	0.4	0.4	0.5	0.5	0.6	-0.01 (-0.02, 0.004)	-0.0005 (-0.01, 0.01)
SE	0.1	0.04	0.04	0.04	0.1	0.04	0.03	0.04	0.03	0.03	0.04	0.05	0.04		
Current smokers <sup>2</sup> (n)	311	312	349	315	265	245	202	276	239	232	231	233	204	0.99 (0.97 - 1.01) t=-1.0 (0.30)	1.00 (0.99 - 1.02) t=0.3 (0.78)
% stimulant user	1.6	1.6	1.5	1.4	1.5	1.3	1.0	1.7	1.3	1.2	1.2	1.6	1.5	-0.009 (-0.03 0.01)	0.003 (-0.01, 0.02)
SE	0.2	0.1	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.1		
Former smokers <sup>3</sup> (n)	19	24	29	22	20	19	15	15	27	16	22	23	31	1.04 (0.99 - 1.10) t=1.7 (0.09)	1.06 (1.00 - 1.11) t=2.2 (0.03)
% stimulant user	0.1	0.1	0.2	0.2	0.3	0.2	0.1	0.1	0.3	0.1	0.3	0.2	0.3	0.04 (-0.006, 0.09)	0.05 (0.005, 0.10)
SE	0.03	0.1	0.1	0.1	0.1	0.1	0.04	0.1	0.1	0.03	0.1	0.1	0.1		
Never-Smokers <sup>4</sup> (n)	150	149	147	152	166	120	138	135	123	118	133	156	170	1.01 (0.98 - 1.03) t=0.5 (0.65)	1.01 (0.98 - 1.03) t=0.7 (0.46)
% stimulant user	0.3	0.3	0.3	0.2	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.3	0.4	0.005 (-0.02, 0.03)	0.009 (-0.02, 0.03)
SE	0.1	0.04	0.1	0.03	0.04	0.04	0.04	0.03	0.02	0.04	0.04	0.1	0.1		
Differential time trend: year as continuous x smoking status (in 3 categories)														F(2)=2.1 (0.13)	F(2)=1.7 (0.19)
Differential time trend: year as continuous x smoking (current vs. never smokers)														F(1)=1.0 (0.32)	F(1)=0.6 (0.45)
Differential time trend: year as continuous x smoking (former vs. never smokers)														F(1)=1.9 (0.18)	F(1)=2.0 (0.16)
Differential time trend: year as continuous x smoking (current vs. former smokers)														F(1)=3.8 (0.05)	F(1)=3.3 (0.07)

AOR, adjusted odds ratio; CI, confidence interval; OR, odds ratio; SE, standard error; wt, weighted

\*Adjusted for sex, age, race, income, education

<sup>1</sup> Stimulants and methamphetamines (CPNSTMMN)

<sup>2</sup> Current smokers were persons who reported smoking  $\geq 100$  cigarettes during their lifetime and who, at the time of interview, reported smoking every day or some days in the past 30 days.

<sup>3</sup> Former smokers were persons who reported smoking  $\geq 100$  cigarettes during their lifetime and who, at the time of interview, reported not smoking any cigarettes during the past 30 days.

<sup>4</sup> Never smokers were persons who reported never smoking  $\geq 100$  cigarettes during their lifetime.