SUPPLEMENTARY MATERIALS

Current cigarette smoking questions in the U.S. surveys and definition of the current smoker for the study.

YRBSS, NYTS

Have you ever tried cigarette smoking, even one or two puffs?
A. Yes  B. No

Regardless of the response the next question is asked:

During the past 30 days, on how many days did you smoke cigarettes?
A. 0 days  
B. 1 or 2 days  
C. 3 to 5 days  
D. 6 to 9 days  
E. 10 to 19 days  
F. 20 to 29 days  
G. All 30 days

Answers to both questions are checked for logical conflict, and if it is found (e.g., first response in 'No' and second is anything other than '0 days'), both responses are set as 'Missing' data.
For Peer Review

Have you smoked at least 100 cigarettes in your ENTIRE LIFE?
1 Yes 2 No 7 Refused 9 Don't know

If response is 'Yes', then asked:

Do you NOW smoke cigarettes every day, some days or not at all?
1 Every day 2 Some days 3 Not at all 7 Refused 9 Don't know

The current smoker in NHIS sample was defined as a person who smoked every day or some days.
Have you ever smoked part or all of a cigarette?
1 Yes
2 No

If response is 'Yes', then asked:

Now think about the past 30 days – that is, from [DATEFILL] up to and including today. During the past 30 days, have you smoked part or all of a cigarette?

If response is positive, then asked:

During the past 30 days, that is since ____, on how many days did you smoke part or all of a cigarette?

# OF DAYS: [RANGE: 1 - 30]
DK/REF

If response is 'Don't know/Refuse', then asked:

What is your best estimate of the number of days you smoked part or all of a cigarette during the past 30 days?
1 1 or 2 days 4 10 to 19 days
2 3 to 5 days 5 20 to 29 days
3 6 to 9 days 6 All 30 days
DK/REF

Imputation is used to create a variable 'CIGARETTES - PAST MONTH USE'
0 = Did not use in the past month
1 = Used within the past month
Which was used to define a current smoker in NSDUH sample.
During the past 30 days, on how many days did you smoke cigarettes?

Current smoker was defined as a person who has smoked at on at least 1 day during the past 30 days (youth) or who smoked every day or on some days (adults).

*Those who answered 'never smoked a whole cigarette' are not asked about past 30 days smoking, but were still included in the analyses sample as 'not smokers'.

Have you ever tried cigarette smoking, even 1 or 2 puffs?

If positive response, then asked:

How old were you when you smoked a whole cigarette for the first time?

If responded age is not zero, then asked:

During the past 30 days, on how many days did you smoke cigarettes?

Have you smoked at least 100 cigarettes in your entire life?

If positive response, then asked:

Do you now smoke cigarettes... every day, some days, or not at all

If positive response, then asked:

 current smoker was defined as a person who has smoked at on at least 1 day during the past 30 days (youth) or who smoked every day or on some days (adults).

*Those who answered 'never smoked a whole cigarette' are not asked about past 30 days smoking, but were still included in the analyses sample as 'not smokers'.
### Comparison of the national survey data sets

<table>
<thead>
<tr>
<th></th>
<th>YRBSS*</th>
<th>NYTS*</th>
<th>NSDUH</th>
<th>NHIS</th>
<th>NHANES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Age or grade</strong></td>
<td>9th–12th grade (mostly 14 to 18 years old)</td>
<td>6th–12th grade (mostly 11 to 18 years old)</td>
<td>12 years or older</td>
<td>18 years or older</td>
<td>12–19 years old and 20+ years old</td>
</tr>
<tr>
<td><strong>Mode of interview</strong></td>
<td>School classroom</td>
<td>School classroom</td>
<td>Home</td>
<td>Home</td>
<td>Home (20+ years old) or MEC (12–19 years old)</td>
</tr>
<tr>
<td><strong>Monetary incentives</strong></td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td><strong>Other incentives</strong></td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes**</td>
</tr>
<tr>
<td><strong>Smoking self-reports only</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

YRBSS: Youth Risk Behavioral Surveillance System  
NYTS: National Youth Tobacco Survey  
NSDUH: National Survey on Drug Use and Health  
NHIS: National Health Interview Survey  
NHANES: National Health and Nutrition Examination Survey  
MEC: Mobile Examination Center

*Participants in YRBSS (9-12th grades) are mainly 14 to 18 years old though the actual sample contains persons 12 and younger as well as 18 and older. NYTS sample between 2004 and 2012 had age range from 9 to 21 years.**

**Non-financial incentive in NHANES is a comprehensive health report with laboratory tests results that the participants obtain after completing the survey.