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| **Domain:** | Alcohol, Tobacco and Other Substances |
| **Measure:** | Tobacco - Age of Offset of Use |
| **Definition:** | Questions asking a former smoker respondent how long it has been since s/he has quit smoking. |
| **Purpose:** | This measure assesses when the participant's exposure to cigarette smoking ended. When this measure is used in conjunction with the Tobacco - Age of Initiation of Use measure, the participant's duration of smoking can be derived. Pack-years can also be derived from calculating the measure of amount smoked and duration. |
| **Essential PhenX Measures:** | Current AgeTobacco - Smoking Status |
| **Related PhenX Measures:** | Tobacco - Age of Initiation of UseTobacco - Nicotine Dependence |
| **Collections:** | Tobacco UseBehavioral Cancer Risks |
| **Keywords:** | tobacco, smoking, cigarette, nicotine, nicotine dependence, duration of smoking, pack years, National Survey on Drug Use and Health, NSDUH |

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| **Protocol Release Date:** | February 6, 2009 |
| **PhenX Protocol Name:** | Protocol 1: Tobacco - Age of Offset of Use (Adolescent Protocol) |
| **Protocol Name from Source:** | The Expert Review Panel has not reviewed this measure yet. |
| **Description:** | Measurement to ascertain when the respondent quit smoking. Response is used to calculate duration of use and pack-years measures and allows one to distinguish recent quitters from long-time quitters. |
| **Specific Instructions:** | Respondent is asked how long it has been since he or she smoked and how old he or she was when he or she last smoked only if he or she answered "yes" to the first question of the Tobacco - Smoking Status (Adolescent Protocol). |
| **Protocol:** | *The Working Group acknowledges that the following questions may gather sensitive information relating to the use of substances and/or illegal conduct. If the information is released it might be damaging to an individual's employability, lead to social stigmatization, or other consequences. For information on obtaining a Certificate of Confidentiality, which helps researchers protect the privacy of human research participants, please go to the National Human Genome Research Institute's Institutional Review Board website. Note to interviewer: Respondents who were classified as a "Smoker" or "Non Smoker" by answering the Tobacco - Smoking Status (Adolescent Protocol) Question 1 as "Yes" (Have you ever smoked part or all of a cigarette?) are asked:* 1. How long has it been since you **last** smoked part or all of a cigarette? [] 1 More than 30 days ago but within the past 12 months [] 2 More than 12 months ago but within the past 3 years [] 3 More than 3 years ago [] Don't Know [] Refused 2. Earlier the computer recorded that you **last** smoked part or all of a cigarette [*input response to Question 1*]. How old were you the **last** time you smoked part or all of a cigarette? AGE:\_\_\_\_\_[RANGE: 1-110] Don't Know / Refused |
| **Selection Rationale:** | The protocol from the National Survey on Drug Use and Health (NSDUH) was selected because this survey is the primary combined source of information on the use of drugs, alcohol, and tobacco in the civilian, noninstitutionalized population of the United States. The study was initiated in 1971, and it is currently conducted on an annual basis. The NSDUH is a survey that includes all substance use and that is administered to individuals ages 12 years and older. This survey asks many additional questions that may be more relevant to investigators studying adolescent subjects. |
| **Source:** | 2008 National Survey on Drug Use and Health. CAI Specifications for Programming, English Version; November 2007 (questions CG04, CG16). |
| **Life Stage:** | Adolescent |
| **Language of source:** | English, Spanish |
| **Participant:** | 12 through 17 years of age\* \* If the study population consists of adolescents and young adults (12-24 years) with the intention of studying onset of risky behaviors, the investigator may wish to use the adolescent profile. If the study population primarily consists of adults (≥18 years), emphasizing established smoking and/or cessation, the investigator should use the adult profile. |
| **Personnel and Training Required:** | If an interviewer prepares the survey for self-administration, the interviewer must be trained and found competent to conduct personal interviews with individuals from the general population. |
| **Equipment Needs:** | While the source instrument was developed for administration by computer, the PhenX Working Group acknowledges that these questions can be administered in a noncomputerized format. |
| **Standards:** |

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| **Standard** | **Name** | **ID** | **Source** |
| Common Data Element (CDE) | Adolescent Cigarette Smoking Cessation Age Year Count | 2923481 | [CDE Browser](https://cdebrowser.nci.nih.gov/CDEBrowser/search?elementDetails=9&FirstTimer=0&PageId=ElementDetailsGroup&publicId=2923481&version=1.0) |
| Logical Observation Identifiers Names and Codes (LOINC) | Tobac age offset adoles proto | 62500-4 | [LOINC](http://s.details.loinc.org/LOINC/62500-4.html?sections=Web) |

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| **General references:** | None |
| **Mode of Administration:** | Self-administered questionnaire |
| **Derived Variables:** | **Duration of smoking:** (Tobacco - Age of Offset of Use1 OR Current Age) - (Tobacco - Age of Initiation of Use)2 **Pack-years:** (Tobacco - 30-Day Quantity and Frequency)3 X (Duration)4 The estimation of the components of this calculation can be derived from several PhenX measures. 1 Tobacco - Age of Offset of Use: * Adolescents: (Current Age) - (length of time response to the question: "How old were you the last time you smoked part or all of a cigarette?")
* Adults: (Current Age) - (length of time response to the question: "About how long has it been since you COMPLETELY quit smoking cigarettes?")

2 Tobacco - Age of Initiation of Use: * Adolescents: Age derived from the answer to: 2. "How old were you when you first started smoking cigarettes every day?" OR - For those who never smoked every day, the answer from 1. "How old were you when you first smoked part or all of a cigarette?"
* Adults: Age derived from the answer to: 1. "How old were you when you first started smoking cigarettes every day?" OR - For those who never smoked every day, the answer from 2. "How old were you when you first started smoking cigarettes fairly regularly?"

3 Tobacco - 30-Day Quantity and Frequency: * Adolescents: Response to question "On the [number of days reported in 2a or 2b] you smoked cigarettes during the past 30 days, how many cigarettes did you smoke per day, on average?"
* Adults
	+ Every-day smokers: Response to question "On the average, about how many cigarettes do you now smoke each day?"
	+ Some-day smokers: [(Response to question "On the average, on those days, how many cigarettes did you usually smoke each day?") X (Response to "On how many of the past 30 days did you smoke cigarettes?")] / 30
	+ Former smokers:
		- Respondents who smoked every day for ≥6 months: Response to question "When you last smoked every day, on average how many cigarettes did you smoke each day?"
		- Respondents who did not smoke every day for ≥6 months: Response to question "When you last smoked fairly regularly, on average how many cigarettes did you smoke each day?"
	+ The Fagerstrom Test for Nicotine Dependence measure (4. How many cigarettes/day do you smoke?) can also be used to calculate the amount of cigarettes smoked.
		- Use the midpoint from the response category to obtain the number of cigarettes smoked per day.

4 Duration calculation provided above |
| **Requirements:** |

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| **Requirement Category** | **Required** |
| Major equipment | No |
| Specialized training | No |
| Specialized requirements for biospecimen collection | No |
| Average time of greater than 15 minutes in an unaffected individual | No |

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| **Process and Review:** | The Expert Review Panel has not reviewed this measure yet. |