



## Data Collection Worksheet

**Please Note:** The Data Collection Worksheet (DCW) is a tool to aid integration of a PhenX protocol into a study. The PhenX DCW is not designed to be a data collection instrument. Investigators will need to decide the best way to collect data for the PhenX protocol in their study. Variables captured in the DCW, along with variable names and unique PhenX variable identifiers, are included in the PhenX Data Dictionary (DD) files.

Collect saliva by having subjects expectorate into a vial while stimulating saliva flow with one of the three methods employed in previous studies: (a) sucking on a lemon candy, (b) dissolving a sugar cube in the mouth, or (c) chewing on parafilm. Approximately 2-3 minutes is required to collect each saliva sample.

Liquid chromatography - tandem mass spectrometry (LC-MS/MS) is the preferred method to accurately measure cotinine in saliva samples, especially when used to assess secondhand smoke exposure. (See source references for details.) The limit of quantitation is 0.05 ng/mL.

The saliva cotinine cutpoint to distinguish people who smoke from those who do not is 3-10 ng/ml (see source reference 3). Note that this range relates to background population exposure to secondhand smoke and to some degree metabolic differences. When background secondhand smoke exposure is low, the cutpoint is low.

Protocol source: <https://www.phenxtoolkit.org/protocols/view/91708>