

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.

Indicate how much you agree or disagree with each of the following statements by placing a single checkmark (like this: [✓]) by a number ranging from 1 (strongly disagree) to 7 (strongly agree). The closer you place your checkmark to one end or the other indicates the strength of your disagreement or agreement. Please complete every item. We are interested in how you are thinking or feeling right now as you are filling out this questionnaire.

1. I have a desire for a cigarette right now.

1 [] STRONGLY DISAGREE 2 [] 3 [] 4 [] 5 [] 6 [] 7 [] STRONGLY AGREE

2. Nothing would be better than smoking a cigarette right now.

1 [] STRONGLY DISAGREE 2 [] 3 [] 4 [] 5 [] 6 [] 7 [] STRONGLY AGREE

3. If it were possible, I probably would smoke right now.

1 [] STRONGLY DISAGREE 2 [] 3 [] 4 [] 5 [] 6 [] 7 [] STRONGLY AGREE

4. I could control things better right now if I could smoke.

1 [] STRONGLY DISAGREE 2 [] 3 [] 4 [] 5 [] 6 [] 7 [] STRONGLY AGREE

5. All I want right now is a cigarette.

1 [] STRONGLY 2 [] 3 [] 4 [] 5 [] 6 [] 7 [] STRONGLY

DISAGREE AGREE

6. I have an urge for a cigarette.

1 STRONGLY
DISAGREE 2 3 4 5 6 7 STRONGLY
AGREE

7. A cigarette would taste good now.

1 STRONGLY
DISAGREE 2 3 4 5 6 7 STRONGLY
AGREE

8. I would do almost anything for a cigarette now.

1 STRONGLY
DISAGREE 2 3 4 5 6 7 STRONGLY
AGREE

9. Smoking would make me less depressed.

1 STRONGLY
DISAGREE 2 3 4 5 6 7 STRONGLY
AGREE

10. I am going to smoke as soon as possible.

1 STRONGLY
DISAGREE 2 3 4 5 6 7 STRONGLY
AGREE

Scoring Procedure and Interpretation

Several scoring schemes have been proposed, and in all of these, the items are averaged or summed to yield factor scores. The initial scoring scheme proposed by Cox et al. (2001) and later partially confirmed by Toll et al. (2006) had two factors:

- Factor 1 included items 1, 3, 6, 7, and 10
- Factor 2 included items 2, 4, 5, 8, and 9

The score for each factor is calculated by summing the item scores; the total score is calculated by summing all 10 items.

Toll et al. (2006) found that the most robust items from the Cox et al. (2001) analysis revealed the best fit in a confirmatory factor analysis, again with two factors: Factor 1 included items 1 and 6, and Factor 2 included items 4, 8, and 9. These items and factor titles are:

Factor 1 - Intention/Desire to Smoke

- I have a desire for a cigarette right now.
- I have an urge for a cigarette.

Factor 2 - Relief of Negative Affect & Urgent Desire to Smoke

- I could control things better right now if I could smoke.
- I would do almost anything for a cigarette right now.
- Smoking would make me less depressed.

The scoring scheme reflects factors identified in the original publications. Factor structure may differ in individual studies.

Protocol source: <https://www.phenxtoolkit.org/protocols/view/520306>