

## 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.

The following protocol is part of a personal interview in which the participant reports on his/her own hand usage. Young Adult and Adult handedness is assessed using an 11-item scale. Please indicate your preferences in the use of hands in the following activities by putting a 1 in the appropriate column (for right only, left only, or both hands) for each item that you use.

	Right hand	Left hand	Both hands
1. Write			
2. Draw			
3. Throw			
4. Hold a racquet			
5. Clean teeth			
6. Hammer			
7. Strike a match			
8. Use an eraser			

9. Deal cards			
10. Thread a needle			
11. Cut food with a knife			
Total			

**Scoring:** The participant indicates use by a "1" in the appropriate column (for right, left, or both) for each item that an adult uses. Add the "1"s in each column to get a total for that column. The sum of all three column totals is the cumulative total. To calculate the score:  $100 \times (\text{right total} - \text{left total}) / \text{cumulative total}$ . Handedness is then classified as follows:

**Scoring:**

Less than -40	left-handed
Greater than or equal to -40 and less than 40	mixed-handed
Greater than or equal to 40	right-handed

**Note:** *The activities listed in the Edinburgh Handedness Inventory method have been modified by the PhenX Anthropometrics Working Group.*

Protocol source: <https://www.phenxtoolkit.org/protocols/view/20602>