



## 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.

### Stanford Brief Activity Survey<sup>1</sup>

#### Instructions

This is a self-administered questionnaire that attempts to have the respondent summarize his/her usual physical activity on-the-job and during leisure-time during the past year, based on a single statement for each. Section I pertains to on-the-job activity, while Section II pertains to leisure-time activity.

Give the questionnaire to the participant and ask him/her to read through the entire questionnaire before answering. Remind them that they should select the answer that best represents their activity during the past year. They need to provide an answer for both their on-the-job and leisure-time activity. If they are not gainfully employed outside the home but work regularly around the house, they should include this activity in the on-the-job section.

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<sup>1</sup> Taylor-Piliae RE, Norton LC, Haskell WL, et al. Validity of a New Brief Physical Activity Survey Among Older Adults. *Circulation*. 2005;111:e288 Abstracts

#### Instrument

##### Section I: On-The-Job Activity

Please check the box next to the **one** statement that **best** describes the kinds of physical activity you usually performed while on the job this last year. If you are not gainfully employed outside the home but perform work around the home **regularly**, indicate that activity in this section.

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|--------|--|
| [ ] A. | If you have no job or regular work, check Box A and go on to Section II. |
|--------|--|

|        |  |
|--------|--|
| [ ] B. | I spent most of the day sitting or standing. When I was at work I did such things as writing, typing, talking on the telephone, assembling small parts or operating a machine that takes very little exertion or strength. If I drove a car or truck while at work, I did not lift or carry anything for more than a few minutes each day.   |
| [ ] C. | I spent most of the day walking or using my hands and arms in work that required moderate exertion. When I was at work I did such things as delivering mail, patrolling on guard duty, mechanical work on automobiles or other large machines, house painting or operating a machine that requires some moderate activity. If I drove a truck or lift, my job required me to lift and carry things frequently. |
| [ ] D. | I spent most of the day lifting or carrying heavy objects or moving most of my body in some other way. When I was at work, I did such things as stacking cargo or inventory, handling parts or materials, or I did work like that of a carpenter who builds structures or a gardener who does most of the work without machines.   |
| [ ] E. | I spent most of the day doing hard physical labor. When I was at work I did such things as digging or chopping with heavy tools, or carrying heavy loads (bricks, for example) to the place where they are to be used. If I drove a truck or operated equipment, my job also required me to do hard physical work most of the day with only short breaks.  |

**Section II: Leisure-time Activity**

Please check the box next to the one statement which best describes the way you spent your leisure-time during most of the last year.

|        |  |
|--------|--|
| [ ] F. | Most of my leisure time was spent without very much physical activity. I mostly did things like watching television, reading or playing cards. If I did anything else, it was likely to be light chores around the house or yard, or some easy-going game like bowling or catch. Only occasionally, no more than once or twice a month, did I do anything more vigorous, like jogging, playing |
|--------|--|

|        |   |
|--------|---|
|        | tennis or active gardening.   |
| [ ] G. | Weekdays, when I got home from work, I did few active things. But most weekend I was able to get outdoors for some light exercise- going for walks, playing a round of golf (without motorized carts), or doing some active chores around the house.  |
| [ ] H. | Three times per week, on the average, I engaged in some moderate activity- such as brisk walking or slow jogging, swimming or riding a bike for 15-20 minutes or more. Or I spent 45 minutes to an hour or more doing moderately difficult chores- such as raking or washing windows, mowing the lawn or vacuuming, or playing games such a doubles tennis or basketball.   |
| [ ] I. | During my leisure time over the past year, I engaged in a regular program of physical fitness involving some kind of heavy physical activity at least three times per week. Examples of heavy physical activity are: jogging, running or riding fast on a bicycle for 30 minutes or more; heavy gardening or other chores for an hour or more; active games or sports such as handball or tennis for an hour or more; or a regular program involving calisthenics and jogging or the equivalent for 30 minutes or more. |
| [ ] J. | Over the past year I engaged in a regular program of physical fitness along the lines described in the last paragraph (I), but I did it almost <u>daily</u> - five or more times per week.  |

### Scoring

Using the color-coded scoring table, determine the intersection of the respondent's on-the-job activity (A-E) response on the vertical axis, with their leisure-time activity (F-J) response on the horizontal axis, to indicate their current activity category. Each color represents a different activity category, as follows: Red=Inactive, Yellow=Light-intensity Activity, Green=Moderate-Intensity Activity, Blue=Hard-Intensity Activity, Lavender=Very Hard-Intensity Activity.

|  |                                    |
|--|------------------------------------|
|  | <b>Leisure-time activity (F-J)</b> |
|--|------------------------------------|

| On-the-Job Activity<br>(A-E) |   | F      | G        | H        | I        | J        |
|------------------------------|---|--------|----------|----------|----------|----------|
|                              | A | Red    | Yellow   | Green    | Blue     | Lavender |
|                              | B | Yellow | Yellow   | Green    | Blue     | Lavender |
|                              | C | Yellow | Yellow   | Green    | Blue     | Lavender |
|                              | D | Green  | Green    | Blue     | Blue     | Lavender |
|                              | E | Blue   | Lavender | Lavender | Lavender | Lavender |

### Examples

Example #1: a person that works in an office mainly sitting at a desk all day, and rides a bicycle for 30 minutes/day, 5x/week would choose "B" as their on-the-job activity "J" as their leisure time activity. The intersection of these two responses on the color-coded table would place them in a very hard intensity activity category (lavender color).

Example #2: a person who works full-time as a carpenter performing some hard labor during the day, and plays golf once a week on the weekends; would choose "D" as their on-the-job activity and "G" as their leisure-time activity. The intersection of these two responses on the color-coded table would place them in a moderate-intensity activity category (green color).

Protocol source: <https://www.phenxtoolkit.org/protocols/view/150901>