|  |  |
| --- | --- |
| **Self-Reported Weight** | |
| **Protocol Id** | 021502 |
| **Description of Protocol** | None |
| **Specific Instructions** | The observer should determine whether the woman is pregnant and, if she is pregnant, request how many weeks pregnant. Pregnancy status may be sensitive information, so the participants should be asked this in a private setting.  Measured weight is recommended, and self-reported weight should only be recorded as a last resort.\* Please indicate how the weight was collected (i.e., measured vs. self-reported).  In instances where both self-reported and measured weight are collected, collect the self-reported weight first before measuring weight.  \*NOTE: Self-reported weight values are considered to be less accurate. Self-reported weight is subject to error and is used when measured weight cannot be obtained. |
| **Protocol Text** | The PhenX Anthropometrics Working Group strongly recommends the assessment of weight using a measured protocol. Self-reported weight should be collected only as a last resort.  There are several overarching, critical issues for high-quality data collection of anthropometric measures that optimize the data in gene-environment etiologic research. These issues include: 1) the need for training (and re-training) of study staff in anthropometric data collection; 2) duplicate collection of measurements, especially under field conditions; 3) use of more than one person for proper collection of measurements where required; 4) accurate recording of the protocols and measurement units of data collection; and 5) use of required and properly calibrated equipment.  Self-Reported Weight can be used in a personal or self-administered interview.  **Self-Reported Weight\***  \*NOTE: Self-reported weight values are considered to be less accurate. Self-reported weight is subject to error and is used when measured weight cannot be obtained.  How much {do you/does the participant} weigh without clothes or shoes? [If {you are/she is} currently pregnant, how much did {you/she} weigh **before**your pregnancy?] |
| **Selection Rationale** | Weight measurements are used to calculate body mass index, assess of nutritional status, and predict morbidity and mortality.  Self-Reported Weight was included because it gives another way to monitor obesity (as used in Centers for Disease Control and Prevention [CDC] studies). Note that the self-reported weight is less accurate than a measured weight and should only be used as a back-up and only as a last resort. |
| **Source** | National Health and Nutrition Examination Survey (NHANES) 2007-2008 Anthropometry Manual Centers for Disease Control and Prevention. (2007). National Health and Nutrition Examination Survey. Anthropometrics Procedure Manual. |
| **Language** | English, Spanish |
| **Participant** | All ages. Adult participants who cannot stand unassisted are excluded. |
| **Personnel and Training Required** | The trained interviewer should be able to administer a questionnaire and have the ability to probe for information as necessary. |
| **Equipment Needs** | None |
| **Standards** | |  |  |  |  | | --- | --- | --- | --- | | **Standard** | **Name** | **ID** | **Source** | | Common Data Elements (CDE) | Person Self-Report Weight Value | 2793247 | [CDE Browser](https://cdebrowser.nci.nih.gov/CDEBrowser/search?elementDetails=9&FirstTimer=0&PageId=ElementDetailsGroup&publicId=2793247&version=1.0) | | Logical Observation Identifiers Names and Codes (LOINC) | Self reported weight proto | 62298-5 | [LOINC](http://s.details.loinc.org/LOINC/62298-5.html?sections=Web) | |
| **General References** | None |
| **Protocol Type** | Self-administered questionnaire |
| **Derived Variables** | Ponderal Index (PI, neonates and infants), Weight-for-Length (W/L, birth to 36 months), Body Mass Index (BMI, 2 years to adults, but some references from birth)  **Body Mass Index**   |  |  | | --- | --- | | **Measurement Units** | **Formula and Calculation** | | Kilograms and meters (or centimeters) | Formula: weight (kg) / [height (m)]2         With the metric system, the formula for BMI is weight in kilograms divided by height in meters squared. Since height is commonly measured in centimeters, divide height in centimeters by 100 to obtain height in meters. Example: Weight = 68 kg, Height = 165 cm (1.65 m) Calculation: 68 ÷ (1.65)2 = 24.98 | | Pounds and inches | Formula: weight (lb) / [height (in)]2 x 703 Calculate BMI by dividing weight in pounds (lbs) by height in inches (in) squared and multiplying by a conversion factor of 703. Example: Weight = 150 lbs, Height = 5’5" (65") Calculation: [150 ÷ (65)2] x 703 = 24.96 |   Centers for Disease Control and Prevention website. Body Mass Index page. |
| **Requirements** | |  |  | | --- | --- | | **Requirement Category** | **Required** | | Average time of greater than 15 minutes in an unaffected individual  Average time of greater than 15 minutes in an unaffected individual | No | | Major equipment  This measure requires a specialized measurement device that may not be readily available in every setting where genome wide association studies are being conducted. Examples of specialized equipment are DEXA, Echocardiography, and Spirometry | No | | Specialized requirements for biospecimen collection  This protocol requires that blood, urine, etc. be collected from the study participants. | No | | Specialized training  This measure requires staff training in the protocol methodology and/or in the conduct of the data analysis. | No | |