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| **Birth Weight Abstracted from Medical Records** | |
| **Protocol Id** | 020201 |
| **Description of Protocol** | Measured weight at birth. |
| **Specific Instructions** | For infants measured at birth, use the protocol titled Measurement: Weight at Birth (Global Network for Women’s and Children’s Health Research). For all others, the preferred method is abstraction from the birth certificate or medical record (protocol titled Measurement: Birth Weight Abstracted from Medical Records [National Vital Statistics System]). If this is not available, the self- or proxy-reported birth weight can be used (protocol titled Question: Proxy-Reported Birth Weight [National Health and Nutrition Examination Survey (NHANES)]). In all instances, the investigator should record the specific data source and specific protocol used. |
| **Protocol Text** | 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 retraining) 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 the measurement units of data collection; and (5) use of required and properly calibrated equipment.                       *(Abstracted from the medical record/vital record)* Note: The investigator is cautioned to be sure to validate the record matching. Additionally, records matching could potentially be very time consuming and require high levels of investigator time (see Requirements Table).  NEWBORN        BIRTH WEIGHT (grams preferred, specify unit)        \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ grams lb/oz |
| **Selection Rationale** | These protocols utilize methods that would be encountered in most research settings. These protocols encompass different periods of time when the measurement could be collected. The studies from which these protocols are derived also provide valid national comparison data.  Ascertainment of birth weight is a high priority when feasible to obtain given the significant relationships that have been shown between birth weight and the risk of selected, important cardiovascular-renal diseases. |
| **Source** | Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS). (2005-2006). National Vital Statistics System Birth Certificate Section. Hyattsville, MD: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention. |
| **Language** | English |
| **Participant** | All ages |
| **Personnel and Training Required** | Personnel who are trained in performing medical records review |
| **Equipment Needs** | None |
| **Standards** | |  |  |  |  | | --- | --- | --- | --- | | **Standard** | **Name** | **ID** | **Source** | | Common Data Elements (CDE) | Person Record Birth Weight Value | 2793347 | [CDE Browser](https://cdebrowser.nci.nih.gov/CDEBrowser/search?elementDetails=9&FirstTimer=0&PageId=ElementDetailsGroup&publicId=2793347&version=1.0) | | Logical Observation Identifiers Names and Codes (LOINC) | PhenX - birth weight protocol | 62405-6 | [LOINC](http://s.details.loinc.org/LOINC/62405-6.html?sections=Web) | |
| **General References** | None |
| **Protocol Type** | Record of a physical measurement |
| **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) |
| **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 | |