

**National Longitudinal Study of Adolescent to Adult Health (Add Health), 1994-2018 [Public Use]**

ICPSR 21600

Kathleen Mullan Harris

*University of North Carolina at Chapel Hill*

J. Richard Udry

*University of North Carolina at Chapel Hill*

Wave V: Biomarkers, Anthropometrics Codebook/Questionnaire

Inter-university Consortium for Political and Social Research

P.O. Box 1248

Ann Arbor, Michigan 48106 [www.icpsr.umich.edu](http://www.icpsr.umich.edu/)

# Terms of Use

The terms of use for this study can be found at:

<http://www.icpsr.umich.edu/web/ICPSR/studies/21600/terms>

# Information about Copyrighted Content

Some instruments administered for studies archived with ICPSR may contain in whole or substantially in part contents from copyrighted instruments. Reproductions of the instruments are provided as documentation for the analysis of the data associated with this collection. Restrictions on "fair use" apply to all copyrighted content. More information about the reproduction of copyrighted works by educators and librarians is available from the United States Copyright Office.

NOTICE

WARNING CONCERNING COPYRIGHT RESTRICTIONS

The copyright law of the United States (Title 17, United States Code) governs the making of photocopies or other reproductions of copyrighted material. Under certain conditions specified in the law, libraries and archives are authorized to furnish a photocopy or other reproduction. One of these specified conditions is that the photocopy or reproduction is not to be "used for any purpose other than private study, scholarship, or research." If a user makes a request for, or later uses, a photocopy or reproduction for purposes in excess of "fair use," that user may be liable for copyright infringement.



Add Health Wave V Codebook

2021



Wave V Anthropometrics Public-Use

CAROLINA POPULATION CENTER | CAROLINA SQUARE - SUITE 210 | 123 WEST FRANKLIN STREET | CHAPEL HILL, NC 27516

Add Health is supported by grant P01-HD31921 from the Eunice Kennedy Shriver National Institute of Child Health and Human Development, with cooperative funding from 23 other federal agencies and foundations.

Add Health is directed by Robert A. Hummer and funded by the National Institute on Aging cooperative agreements U01 AG071448 (Hummer) and U01AG071450 (Aiello and Hummer) at the University of North Carolina at Chapel Hill. Waves I-V data are from the Add Health Program Project, grant P01 HD31921 (Harris) from Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), with cooperative funding from 23 other federal agencies and foundations. Add Health was designed by J. Richard Udry, Peter S. Bearman, and Kathleen Mullan Harris at the University of North Carolina at Chapel Hill ([http://www.cpc.unc.edu/addhealth).](http://www.cpc.unc.edu/addhealth))

|  |  |
| --- | --- |
| **Wave V Anthropometrics** | |
| Title | Wave V Anthropometrics |
| Description | These data are unweighted, however the Add Health restricted-use data provide weights for the bio data. If interested in the nationally representative biological data, users should apply for a restricted-use contract. |
| File Name | panthro5.xpt |
| Case Quantity | 1839 |
| Variable Count | 13 |

|  |  |
| --- | --- |
| **AID - RESPONDENT IDENTIFIER** | |
| Type | Text |
| Constraints | Maximum Length: 8 |
| AID | Respondent Identifier Number |

|  |  |  |  |
| --- | --- | --- | --- |
| Valid | Invalid | Minimum | Maximum |
| 1839 | 0 | 57101310 | 99719976 |

|  |  |
| --- | --- |
| **H5ARM - Q023 WHICH ARM IS MEASURED (1=R,2=L) -W5** | |
| Type | Code |
| Measurement Unit | Numeric |
| H5ARM | Use right arm unless instructed otherwise Q023. EXAMINER: Which arm is measured? |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | Frequency | % of total | % of valid |
| Valid | 1 | right | 1657 | 90.1% | 90.2% |
| 2 | left | 180 | 9.79% | 9.8% |
|  |  | Total | 1,837 | 99.89% | 100% |
| Missing | 96 | refused | 2 | 0.11% |  |
|  |  | Total | 2 | 0.11% |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Valid | Invalid | Minimum | Maximum |
| 1837 | 2 | 1 | 2 |

|  |  |
| --- | --- |
| **H5ARMCIR - MEASURED ARM CIRCUMFERENCE (CM) -W5** | |
| Type | Numeric (Double) |
| H5ARMCIR | Q025a. EXAMINER: Enter arm circumference to nearest 0.5 cm or inch. [Note: All measurements in inches were converted to centimeters.] |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | Frequency | % of total | % of valid |
| Missing | 9996 | refused | 2 | 0.11% |  |
| 9999 | invalid data | 2 | 0.11% |  |
|  |  | Total | 4 | 0.22% |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Valid | Invalid | Minimum | Maximum | Mean | StdDev |
| 1835 | 4 | 9.5 | 66 | 30.892752... | 5.2125934... |

|  |  |
| --- | --- |
| **H5ARMINS - FLAG: ARM CONVERTED INCHES TO CMs -W5** | |
| Type | Code |
| Measurement Unit | Numeric |
| H5ARMINS | FLAG indicating arm was measured in inches and was converted to centimeters. |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | Frequency | % of total | % of valid |
| Valid | 0 | no | 1806 | 98.21% | 98.42% |
| 1 | yes | 29 | 1.58% | 1.58% |
|  |  | Total | 1,835 | 99.78% | 100% |
| Missing | . | not applicable (no arm measurement) | 4 | 0.22% |  |
|  |  | Total | 4 | 0.22% |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Valid | Invalid | Minimum | Maximum |
| 1835 | 4 | 0 | 1 |

|  |  |
| --- | --- |
| **H5HGTINS - FLAG: HEIGHT CONVERTED INCHES TO CMs -W5** | |
| Type | Code |
| Measurement Unit | Numeric |
| H5HGTINS | FLAG indicating height was measured in inches and was converted to centimeters. |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | Frequency | % of total | % of valid |
| Valid | 0 | no | 1789 | 97.28% | 98.3% |
| 1 | yes | 31 | 1.69% | 1.7% |
|  |  | Total | 1,820 | 98.97% | 100% |
| Missing | . | not applicable (no height measurement) | 19 | 1.03% |  |
|  |  | Total | 19 | 1.03% |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Valid | Invalid | Minimum | Maximum |
| 1820 | 19 | 0 | 1 |

|  |  |
| --- | --- |
| **H5WGTLBS - FLAG: WEIGHT CONVERTED LBs TO KGs -W5** | |
| Type | Code |
| Measurement Unit | Numeric |
| H5WGTLBS | FLAG indicating weight was measured in pounds and was converted to kilograms. |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | Frequency | % of total | % of valid |
| Valid | 0 | no | 1764 | 95.92% | 96.71% |
| 1 | yes | 60 | 3.26% | 3.29% |
|  |  | Total | 1,824 | 99.18% | 100% |
| Missing | . | not applicable (no weight measurement) | 15 | 0.82% |  |
|  |  | Total | 15 | 0.82% |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Valid | Invalid | Minimum | Maximum |
| 1824 | 15 | 0 | 1 |

|  |  |
| --- | --- |
| **H5BMICLS - CLASSIFICATION OF BMI (NIH) -W5** | |
| Type | Code |
| Measurement Unit | Numeric |
| H5BMICLS | Body Mass Index classification according to National Institutes of Health Clinical Guidelines on the Identification, Evaluation, and Treatment of Overweight and Obesity in Adults |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | Frequency | % of total | % of valid |
| Valid | 1 | underweight: BMI is < 18.5 | 15 | 0.82% | 0.83% |
| 2 | normal: BMI is 18.5 - 24.9 | 423 | 23% | 23.37% |
| 3 | overweight: BMI is 25 - 29.9 | 520 | 28.28% | 28.73% |
| 4 | obesity stage I: BMI is 30 - 34.9 | 383 | 20.83% | 21.16% |
| 5 | obesity stage II: BMI is 35 - 39.9 | 246 | 13.38% | 13.59% |
| 6 | obesity stage III: BMI is >= 40 | 223 | 12.13% | 12.32% |
|  |  | Total | 1,810 | 98.42% | 100% |
| Missing | . | not applicable (no BMI measurement) | 29 | 1.58% |  |
|  |  | Total | 29 | 1.58% |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Valid | Invalid | Minimum | Maximum |
| 1810 | 29 | 1 | 6 |

|  |  |
| --- | --- |
| **H5WAIST - MEASURED WAIST CIRCUMFERENCE (CM) -W5** | |
| Type | Numeric (Double) |
| H5WAIST | Q065a. EXAMINER: Enter waist circumference to the nearest 0.5 cm or inch. [Note: All measurements in inches were converted to centimeters.] |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | Frequency | % of total | % of valid |
| Missing | 9994 | exam stopped prior to measurement | 5 | 0.27% |  |
| 9996 | refused | 1 | 0.05% |  |
| 9997 | legitimate skip | 5 | 0.27% |  |
|  |  | Total | 11 | 0.6% |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Valid | Invalid | Minimum | Maximum | Mean | StdDev |
| 1828 | 11 | 51.5 | 172 | 97.960667... | 18.592195... |

|  |  |
| --- | --- |
| **H5WSTINS - FLAG: WAIST CONVERTED INCHES TO CMs -W5** | |
| Type | Code |
| Measurement Unit | Numeric |
| H5WSTINS | FLAG indicating waist was measured in inches and was converted to centimeters. |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | Frequency | % of total | % of valid |
| Valid | 0 | no | 1797 | 97.72% | 98.3% |
| 1 | yes | 31 | 1.69% | 1.7% |
|  |  | Total | 1,828 | 99.4% | 100% |
| Missing | . | not applicable (no waist measurement) | 11 | 0.6% |  |
|  |  | Total | 11 | 0.6% |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Valid | Invalid | Minimum | Maximum |
| 1828 | 11 | 0 | 1 |

|  |  |
| --- | --- |
| **H5WSTCLS - CLASSIFICATION OF WAIST CIRCUM (NIH) -W5** | |
| Type | Code |
| Measurement Unit | Numeric |
| H5WSTCLS | Waist circumference classification according to National Institutes of Health Clinical Guidelines on the Identification, Evaluation, and Treatment of Overweight and Obesity in Adults |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | Frequency | % of total | % of valid |
| Valid | 1 | low risk: females <= 88 cm; males <= 102 cm | 866 | 47.09% | 47.37% |
| 2 | high risk: females > 88 cm; males  > 102 cm | 962 | 52.31% | 52.63% |
|  |  | Total | 1,828 | 99.4% | 100% |
| Missing | . | not applicable (no waist measurement) | 11 | 0.6% |  |
|  |  | Total | 11 | 0.6% |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Valid | Invalid | Minimum | Maximum |
| 1828 | 11 | 1 | 2 |

|  |  |
| --- | --- |
| **H5HGT - MEASURED HEIGHT (CM) -W5** | |
| Type | Numeric (Double) |
| H5HGT | Q049a. EXAMINER: Record height to the nearest 0.5 cm or inch. [Note: All measurements in inches were converted to centimeters.] |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | Frequency | % of total | % of valid |
| Missing | 9994 | exam stopped prior to measurement | 5 | 0.27% |  |
| 9999 | invalid data | 14 | 0.76% |  |
|  |  | Total | 19 | 1.03% |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Valid | Invalid | Minimum | Maximum | Mean | StdDev |
| 1820 | 19 | 149 | 194 | 170.00901... | 9.5261854... |

|  |  |
| --- | --- |
| **H5WGT - MEASURED WEIGHT (KG) -W5** | |
| Type | Numeric (Double) |
| H5WGT | Q061a. EXAMINER: Enter weight to the nearest 0.1 kg or lb. [Note: All measurements in pounds were converted to kilograms.] |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | Frequency | % of total | % of valid |
| Missing | 9994 | exam stopped prior to measurement | 5 | 0.27% |  |
| 9996 | refused | 1 | 0.05% |  |
| 9997 | legitimate skip | 2 | 0.11% |  |
| 9999 | invalid data | 7 | 0.38% |  |
|  |  | Total | 15 | 0.82% |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Valid | Invalid | Minimum | Maximum | Mean | StdDev |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1824 | 15 | 46.5 | 170 | 89.132949... | 23.771022... |

|  |  |
| --- | --- |
| **H5BMI - BMI (KG/M2) -W5** | |
| Type | Numeric (Double) |
| H5BMI | Body Mass Index (kg/m2) |
| Notes | BMI was calculated with top/bottom code height and weight. |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | Frequency | % of total | % of valid |
| Missing | 9994 | exam stopped prior to measurements | 5 | 0.27% |  |
| 9996 | refused height and/or weight | 1 | 0.05% |  |
| 9997 | legitimate skip of height and/or weight | 2 | 0.11% |  |
| 9999 | invalid data for height and/or weight | 21 | 1.14% |  |
|  |  | Total | 29 | 1.58% |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Valid | Invalid | Minimum | Maximum | Mean | StdDev |
| 1810 | 29 | 16.5 | 63.5 | 30.817734... | 7.7412630... |