

ICPSR 21600

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

Kathleen Mullan Harris

University of North Carolina at Chapel Hill

J. Richard Udry

University of North Carolina at Chapel Hill

Wave V: Biomarkers, Measures of Inflammation
and Immune Function Variable Description and
Frequencies

Inter-university Consortium for
Political and Social Research
P.O. Box 1248
Ann Arbor, Michigan 48106
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.

ICPSR PROCESSING NOTES FOR #21600

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

DS38: Wave V: Biomarkers, Measures of Inflammation and Immune Function

1. **Variable Metadata:** Wave V data files have been minimally processed by ICPSR. For value labels, missing values, and question text (where applicable), please see the P.I. Codebook/Questionnaire.

ICPSR 21600

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

Variable Description and Frequencies

Note: Frequencies displayed for the variables are not weighted. They are purely descriptive and may not be representative of the study population. Please review any sampling or weighting information available with the study.

Summary statistics (minimum, maximum, arithmetic mean, median, mode, and standard deviation) may not be available for every variable in the codebook. Conversely, a listing of frequencies in table format may not be present for every variable in the codebook either. However, all variables in the dataset are present and display sufficient information about each variable. These decisions are made intentionally and are at the discretion of the archive producing this codebook.

Wave V: Biomarkers, Measures of Inflammation and Immune Function

AID: RESPONDENT IDENTIFIER

Value	Label	Unweighted Frequency	%
57101310	-	1	0.1 %
57111786	-	1	0.1 %
57118381	-	1	0.1 %
57121404	-	1	0.1 %
57121476	-	1	0.1 %
57133772	-	1	0.1 %
57134970	-	1	0.1 %
57139880	-	1	0.1 %
57141051	-	1	0.1 %
57145151	-	1	0.1 %
57159779	-	1	0.1 %
57159952	-	1	0.1 %
57163657	-	1	0.1 %
57165288	-	1	0.1 %
57166019	-	1	0.1 %
57167951	-	1	0.1 %
57177419	-	1	0.1 %
57178982	-	1	0.1 %
57179591	-	1	0.1 %
57186582	-	1	0.1 %
57188247	-	1	0.1 %
57192841	-	1	0.1 %
57196641	-	1	0.1 %
57199896	-	1	0.1 %
57203993	-	1	0.1 %
57210612	-	1	0.1 %
57214806	-	1	0.1 %
57217613	-	1	0.1 %
57220133	-	1	0.1 %
57220955	-	1	0.1 %
57231320	-	1	0.1 %
57232895	-	1	0.1 %
57241075	-	1	0.1 %
57244606	-	1	0.1 %

Value	Label	Unweighted Frequency	%
57245315	-	1	0.1 %
57245379	-	1	0.1 %
57248884	-	1	0.1 %
57249576	-	1	0.1 %
57251197	-	1	0.1 %
57256290	-	1	0.1 %
57263513	-	1	0.1 %
57275298	-	1	0.1 %
57279640	-	1	0.1 %
88122937	-	1	0.1 %
88149345	-	1	0.1 %
88191219	-	1	0.1 %
88191364	-	1	0.1 %
88249047	-	1	0.1 %
88268811	-	1	0.1 %
90316656	-	1	0.1 %
	Total	1,839	100%

Please note that only the first 50 response categories are displayed in the PDF codebook. To view all response categories, please analyze the data file in the statistical package of your choice (SAS, SPSS, Stata, R).

Based upon 1,839 valid cases out of 1,839 total cases.

Location: 1-8 (width: 8; decimal: 0)

Variable Type: character

H5CRP: HS C-REACTIVE PROTEIN (hsCRP, MG/L) -W5

Value	Label	Unweighted Frequency	%
0.157	-	4	0.2 %
0.159	-	2	0.1 %
0.160	-	3	0.2 %
0.166	-	1	0.1 %
0.167	-	1	0.1 %
0.169	-	1	0.1 %
0.170	-	1	0.1 %
0.172	-	1	0.1 %
0.175	-	1	0.1 %
0.176	-	2	0.1 %
0.177	-	2	0.1 %
0.178	-	1	0.1 %
0.183	-	2	0.1 %

Value	Label	Unweighted Frequency	%
0.185	-	1	0.1 %
0.186	-	1	0.1 %
0.187	-	1	0.1 %
0.188	-	1	0.1 %
0.192	-	3	0.2 %
0.193	-	2	0.1 %
0.194	-	1	0.1 %
0.195	-	1	0.1 %
0.197	-	2	0.1 %
0.198	-	1	0.1 %
0.199	-	2	0.1 %
0.200	-	1	0.1 %
0.202	-	1	0.1 %
0.203	-	1	0.1 %
0.205	-	1	0.1 %
0.206	-	1	0.1 %
0.207	-	2	0.1 %
0.210	-	1	0.1 %
0.211	-	1	0.1 %
0.212	-	1	0.1 %
0.213	-	2	0.1 %
0.214	-	1	0.1 %
0.215	-	2	0.1 %
0.216	-	1	0.1 %
0.217	-	2	0.1 %
0.219	-	1	0.1 %
0.220	-	1	0.1 %
0.221	-	1	0.1 %
0.222	-	3	0.2 %
0.223	-	1	0.1 %
0.224	-	2	0.1 %
0.226	-	1	0.1 %
0.227	-	2	0.1 %
0.231	-	2	0.1 %
0.232	-	1	0.1 %
0.234	-	1	0.1 %
0.235	-	1	0.1 %
	Missing Data		
.	-	258	14.0 %

Value	Label	Unweighted Frequency	%
	Total	1,839	100%

Please note that only the first 50 response categories are displayed in the PDF codebook. To view all response categories, please analyze the data file in the statistical package of your choice (SAS, SPSS, Stata, R).

Based upon 1,581 valid cases out of 1,839 total cases.

- Mean: 3.816
- Minimum: 0.157
- Maximum: 73.900
- Standard Deviation: 5.544

Location: 9-14 (width: 6; decimal: 3)

Variable Type: numeric

H5CCRP: CLASSIFICATION OF hsCRP (AHA/CDC) -W5

Value	Label	Unweighted Frequency	%
1	-	511	27.8 %
2	-	521	28.3 %
3	-	549	29.9 %
	Missing Data		
.	-	258	14.0 %
	Total	1,839	100%

Based upon 1,581 valid cases out of 1,839 total cases.

- Mean: 2.02
- Median: 2.00
- Mode: 3.00
- Minimum: 1.00
- Maximum: 3.00
- Standard Deviation: 0.82

Location: 15-15 (width: 1; decimal: 0)

Variable Type: numeric

H5INFECT: Q013 COUNT INFECT/INFLAMM DIS (4 WKS)-W5

Value	Label	Unweighted Frequency	%
0	-	1230	66.9 %
1	-	509	27.7 %
2	-	73	4.0 %
3	-	23	1.3 %
98	-	4	0.2 %
	Total	1,839	100%

Based upon 1,839 valid cases out of 1,839 total cases.

- Mean: 0.61
- Median: 0.00
- Mode: 0.00
- Minimum: 0.00
- Maximum: 98.00
- Standard Deviation: 4.59

Location: 16-17 (width: 2; decimal: 0)

Variable Type: numeric

H5Q013A: Q013a GUM DISEASE/TOOTH LOSS (4 WKS) -W5

Value	Label	Unweighted Frequency	%
0	-	1780	96.8 %
1	-	49	2.7 %
98	-	10	0.5 %
	Total	1,839	100%

Based upon 1,839 valid cases out of 1,839 total cases.

- Mean: 0.56
- Median: 0.00
- Mode: 0.00
- Minimum: 0.00
- Maximum: 98.00
- Standard Deviation: 7.21

Location: 18-19 (width: 2; decimal: 0)

Variable Type: numeric

H5Q013B: Q013b ACTIVE INFECTION (4 WKS) -W5

Value	Label	Unweighted Frequency	%
0	-	1760	95.7 %
1	-	70	3.8 %
98	-	9	0.5 %
	Total	1,839	100%

Based upon 1,839 valid cases out of 1,839 total cases.

- Mean: 0.52
- Median: 0.00
- Mode: 0.00
- Minimum: 0.00
- Maximum: 98.00
- Standard Deviation: 6.84

Location: 20-21 (width: 2; decimal: 0)

Variable Type: numeric

H5Q013C: Q013c INJURY (4 WKS) -W5

Value	Label	Unweighted Frequency	%
0	-	1783	97.0 %
1	-	50	2.7 %
98	-	6	0.3 %
	Total	1,839	100%

Based upon 1,839 valid cases out of 1,839 total cases.

- Mean: 0.35
- Median: 0.00
- Mode: 0.00
- Minimum: 0.00
- Maximum: 98.00
- Standard Deviation: 5.59

Location: 22-23 (width: 2; decimal: 0)

Variable Type: numeric

H5Q013D: Q013d ACUTE ILLNESS (4 WKS) -W5

Value	Label	Unweighted Frequency	%
0	-	1780	96.8 %
1	-	52	2.8 %
98	-	7	0.4 %
	Total	1,839	100%

Based upon 1,839 valid cases out of 1,839 total cases.

- Mean: 0.40
- Median: 0.00
- Mode: 0.00
- Minimum: 0.00
- Maximum: 98.00
- Standard Deviation: 6.04

Location: 24-25 (width: 2; decimal: 0)

Variable Type: numeric

H5Q013E: Q013e SURGERY (4 WKS) -W5

Value	Label	Unweighted Frequency	%
0	-	1795	97.6 %
1	-	38	2.1 %
98	-	6	0.3 %
	Total	1,839	100%

Based upon 1,839 valid cases out of 1,839 total cases.

- Mean: 0.34
- Median: 0.00
- Mode: 0.00
- Minimum: 0.00
- Maximum: 98.00
- Standard Deviation: 5.59

Location: 26-27 (width: 2; decimal: 0)

Variable Type: numeric

H5Q013F: Q013f ACTIVE SEASONAL ALLERGY (4 WKS)-W5

Value	Label	Unweighted Frequency	%
0	-	1347	73.2 %
1	-	478	26.0 %
98	-	14	0.8 %
Total		1,839	100%

Based upon 1,839 valid cases out of 1,839 total cases.

- Mean: 1.01
- Median: 0.00
- Mode: 0.00
- Minimum: 0.00
- Maximum: 98.00
- Standard Deviation: 8.51

Location: 28-29 (width: 2; decimal: 0)

Variable Type: numeric

H5SUBCLN: Q014 COUNT SUBCLINICAL SYMP (2 WKS) -W5

Value	Label	Unweighted Frequency	%
0	-	1323	71.9 %
1	-	347	18.9 %
2	-	114	6.2 %
3	-	52	2.8 %
98	-	3	0.2 %
Total		1,839	100%

Based upon 1,839 valid cases out of 1,839 total cases.

- Mean: 0.56
- Median: 0.00
- Mode: 0.00
- Minimum: 0.00
- Maximum: 98.00
- Standard Deviation: 4.01

Location: 30-31 (width: 2; decimal: 0)

Variable Type: numeric

H5Q014A: Q014a COLD/FLU-LIKE SYMPTOMS (2 WKS) -W5

Value	Label	Unweighted Frequency	%
0	-	1533	83.4 %
1	-	301	16.4 %
98	-	5	0.3 %
Total		1,839	100%

Based upon 1,839 valid cases out of 1,839 total cases.

- Mean: 0.43
- Median: 0.00
- Mode: 0.00
- Minimum: 0.00
- Maximum: 98.00
- Standard Deviation: 5.11

Location: 32-33 (width: 2; decimal: 0)

Variable Type: numeric

H5Q014B: Q014b FEVER (2 WKS) -W5

Value	Label	Unweighted Frequency	%
0	-	1786	97.1 %
1	-	47	2.6 %
98	-	6	0.3 %
Total		1,839	100%

Based upon 1,839 valid cases out of 1,839 total cases.

- Mean: 0.35
- Median: 0.00
- Mode: 0.00
- Minimum: 0.00
- Maximum: 98.00
- Standard Deviation: 5.59

Location: 34-35 (width: 2; decimal: 0)

Variable Type: numeric

H5Q014C: Q014c NIGHT SWEATS (2 WKS) -W5

Value	Label	Unweighted Frequency	%
0	-	1733	94.2 %
1	-	99	5.4 %
98	-	7	0.4 %

Value	Label	Unweighted Frequency	%
	Total	1,839	100%

Based upon 1,839 valid cases out of 1,839 total cases.

- Mean: 0.43
- Median: 0.00
- Mode: 0.00
- Minimum: 0.00
- Maximum: 98.00
- Standard Deviation: 6.04

Location: 36-37 (width: 2; decimal: 0)

Variable Type: numeric

H5Q014D: Q014d NAUSEA/VOMIT/DIARRHEA (2 WKS) -W5

Value	Label	Unweighted Frequency	%
0	-	1701	92.5 %
1	-	134	7.3 %
98	-	4	0.2 %
	Total	1,839	100%

Based upon 1,839 valid cases out of 1,839 total cases.

- Mean: 0.29
- Median: 0.00
- Mode: 0.00
- Minimum: 0.00
- Maximum: 98.00
- Standard Deviation: 4.57

Location: 38-39 (width: 2; decimal: 0)

Variable Type: numeric

H5Q014E: Q014e BLOOD STOOL/FECES/URINE (2 WKS)-W5

Value	Label	Unweighted Frequency	%
0	-	1819	98.9 %
1	-	14	0.8 %
98	-	6	0.3 %
	Total	1,839	100%

Based upon 1,839 valid cases out of 1,839 total cases.

- Mean: 0.33
- Median: 0.00
- Mode: 0.00
- Minimum: 0.00

- Maximum: 98.00
- Standard Deviation: 5.59

Location: 40-41 (width: 2; decimal: 0)

Variable Type: numeric

H5Q014F: Q014f FREQUENT URINATION (2 WKS) -W5

Value	Label	Unweighted Frequency	%
0	-	1732	94.2 %
1	-	100	5.4 %
98	-	7	0.4 %
	Total	1,839	100%

Based upon 1,839 valid cases out of 1,839 total cases.

- Mean: 0.43
- Median: 0.00
- Mode: 0.00
- Minimum: 0.00
- Maximum: 98.00
- Standard Deviation: 6.04

Location: 42-43 (width: 2; decimal: 0)

Variable Type: numeric

H5Q014G: Q014g SKIN RASH/ABSCESS (2 WKS) -W5

Value	Label	Unweighted Frequency	%
0	-	1758	95.6 %
1	-	76	4.1 %
98	-	5	0.3 %
	Total	1,839	100%

Based upon 1,839 valid cases out of 1,839 total cases.

- Mean: 0.31
- Median: 0.00
- Mode: 0.00
- Minimum: 0.00
- Maximum: 98.00
- Standard Deviation: 5.11

Location: 44-45 (width: 2; decimal: 0)

Variable Type: numeric

H5CRP1: FLAG: NSAID/SALICY (24 HR) MED USE -W5

Value	Label	Unweighted Frequency	%
0	-	1330	72.3 %

Value	Label	Unweighted Frequency	%
1	-	477	25.9 %
94	-	5	0.3 %
96	-	1	0.1 %
99	-	26	1.4 %
	Total	1,839	100%

Based upon 1,839 valid cases out of 1,839 total cases.

- Mean: 1.97
- Median: 0.00
- Mode: 0.00
- Minimum: 0.00
- Maximum: 99.00
- Standard Deviation: 12.81

Location: 46-47 (width: 2; decimal: 0)

Variable Type: numeric

H5CRP2: FLAG: NSAID/SALICY (4 WKS) MED USE -W5

Value	Label	Unweighted Frequency	%
0	-	1709	92.9 %
1	-	94	5.1 %
94	-	5	0.3 %
96	-	1	0.1 %
99	-	30	1.6 %
	Total	1,839	100%

Based upon 1,839 valid cases out of 1,839 total cases.

- Mean: 1.97
- Median: 0.00
- Mode: 0.00
- Minimum: 0.00
- Maximum: 99.00
- Standard Deviation: 13.61

Location: 48-49 (width: 2; decimal: 0)

Variable Type: numeric

H5CRP3: FLAG: COX-2 INHIBITORS MED USE -W5

Value	Label	Unweighted Frequency	%
0	-	1797	97.7 %
1	-	6	0.3 %
94	-	5	0.3 %
96	-	1	0.1 %

Value	Label	Unweighted Frequency	%
99	-	30	1.6 %
	Total	1,839	100%

Based upon 1,839 valid cases out of 1,839 total cases.

- Mean: 1.93
- Median: 0.00
- Mode: 0.00
- Minimum: 0.00
- Maximum: 99.00
- Standard Deviation: 13.61

Location: 50-51 (width: 2; decimal: 0)

Variable Type: numeric

H5CRP4: FLAG: INHALED CORTICOSTER MED USE -W5

Value	Label	Unweighted Frequency	%
0	-	1795	97.6 %
1	-	8	0.4 %
94	-	5	0.3 %
96	-	1	0.1 %
99	-	30	1.6 %
	Total	1,839	100%

Based upon 1,839 valid cases out of 1,839 total cases.

- Mean: 1.93
- Median: 0.00
- Mode: 0.00
- Minimum: 0.00
- Maximum: 99.00
- Standard Deviation: 13.61

Location: 52-53 (width: 2; decimal: 0)

Variable Type: numeric

H5CRP5: FLAG: CORTICOTROP/GLUCOCOR MED USE -W5

Value	Label	Unweighted Frequency	%
0	-	1782	96.9 %
1	-	21	1.1 %
94	-	5	0.3 %
96	-	1	0.1 %
99	-	30	1.6 %
	Total	1,839	100%

Based upon 1,839 valid cases out of 1,839 total cases.

- Mean: 1.93
- Median: 0.00
- Mode: 0.00
- Minimum: 0.00
- Maximum: 99.00
- Standard Deviation: 13.61

Location: 54-55 (width: 2; decimal: 0)

Variable Type: numeric

H5CRP6: FLAG: ANTI-RHEUMTC/ANTI-PSOR MED USE -W5

Value	Label	Unweighted Frequency	%
0	-	1792	97.4 %
1	-	11	0.6 %
94	-	5	0.3 %
96	-	1	0.1 %
99	-	30	1.6 %
Total		1,839	100%

Based upon 1,839 valid cases out of 1,839 total cases.

- Mean: 1.93
- Median: 0.00
- Mode: 0.00
- Minimum: 0.00
- Maximum: 99.00
- Standard Deviation: 13.61

Location: 56-57 (width: 2; decimal: 0)

Variable Type: numeric

H5CRP7: FLAG: IMMUNOSUPPRESSIVE MED USE -W5

Value	Label	Unweighted Frequency	%
0	-	1787	97.2 %
1	-	16	0.9 %
94	-	5	0.3 %
96	-	1	0.1 %
99	-	30	1.6 %
Total		1,839	100%

Based upon 1,839 valid cases out of 1,839 total cases.

- Mean: 1.93
- Median: 0.00
- Mode: 0.00

- Minimum: 0.00
- Maximum: 99.00
- Standard Deviation: 13.61

Location: 58-59 (width: 2; decimal: 0)

Variable Type: numeric

H5CRP8: FLAG: ANY ANTI-INFLAMMATORY MED USE -W5

Value	Label	Unweighted Frequency	%
0	-	1243	67.6 %
1	-	564	30.7 %
94	-	5	0.3 %
96	-	1	0.1 %
99	-	26	1.4 %
	Total	1,839	100%

Based upon 1,839 valid cases out of 1,839 total cases.

- Mean: 2.01
- Median: 0.00
- Mode: 0.00
- Minimum: 0.00
- Maximum: 99.00
- Standard Deviation: 12.80

Location: 60-61 (width: 2; decimal: 0)

Variable Type: numeric