

NATIONAL LONGITUDINAL STUDY OF ADOLESCENT TO ADULT HEALTH WAVE III COUNTY-LEVEL SEX RATIO DATA

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INTRODUCTION

The Add Health Wave III county-level sex ratio file, W3SEXROC, provides the sex ratios of males to females ages 18 to 29, 30-34, and 18 to 34, the proportion of males and females ages 18 to 34, and the sex ratio of employed males 16 years and older to the total number of females 16 years and older for the white population and the black or African American population for Wave III respondent locations. This file adds additional racial refinement to variables available in Add Health's Wave III contextual database, CONTEXT3.

Documentation Structure

This document includes this INTRODUCTION, a DATA DICTIONARY listing the actual contextual variables available and the source variables and formulae used to construct them, a SOURCE DESCRIPTION of the data source used in the assembly of this data file, and a standard CODEBOOK reporting variable values and frequencies.

Data Form

The contextual data file contains one observation for each respondent in the Wave III Add Health survey. The first variable is the respondent identifier (the AID), which permits merging these contextual data with other Add Health data files. Except for AID, each variable is numeric. Variable order in the data reflects the order of presentation in the DATA DICTIONARY.

Variable Naming Conventions

With the exception of AID, all variables in this contextual data file adhere to the following nomenclature:

1st character – Refers to the geographic area covered, which for all variables is the county-level (C).

2nd and 3rd characters – Identify the original data source as the Census of Population and Housing, 2000: Summary File 3 (SF).

4th character – Distinguishes these sex-ratio measures from other released variables constructed from the same Census source (S).

5th and 6th characters - These digits refer to the year that the variable represents. The year 2000 is denoted as (00).

7th and 8th characters - The final two unique digits, ranging from range from (01) to (10), distinguish the ten variables comprising this data file.

Special Codes

Four reserve codes are used in this sex ratio file. They are as follows:

Value	Reason for missing data
6 (96, 996)	Geocode missing
7 (97, 997)	No Black Males, Some Black Females
8 (98, 998)	Some Black Males, No Black Females
9 (99, 999)	No Black Males, No Black Females

The replacement code of 6 (96, 996) indicates that the geocode is missing for that respondent at Wave III. In some cases, the calculation of statistics present in the file produces a 0. For instance, a county may not have any black or African American males but may have some black or African American females. The ratio of males to females would equal 0 for these estimates. Due to rounding to the nearest 0.01, counties populated by a total number of females that sufficiently exceeds that of males will also be represented by a 0. The reserve code of 7 (97, 997) distinguishes true zeros produced by a zero in the numerator from those generated as a result of rounding. Other counties may have some males but no females. In these cases, the value of 8 (98, 998) indicates that data are missing for that particular variable due to division by zero. Finally, a series of 9s identify counties that lack both females and males of a particular race.

Please note that these special reserve codes are inconsistent with previously released Add Health contextual data. For instance, other Wave III contextual files use the replacement code of 8, 98, etc. to denote geocode missing.

DATA DICTIONARY

The following table provides a short description of the various variables comprising this data file, along with the formulae utilized in their construction.

Variable Name	Description	Formula
CSFS0001	Sex ratio of whites ages 18 to 29 in a county (male/female)	$(\sum_{i=07,08,09,10,11}[P145A0i]) / (\sum_{i=31,32,33,34,35}[P145A0i])$
CSFS0002	Sex ratio of whites ages 30 to 34 in a county (male/female)	P145A012/P145A036
CSFS0003	Sex ratio of whites ages 18 to 34 in a county (male/female)	$(\sum_{i=07,08,09,10,11,12}[P145A0i]) / (\sum_{i=31,32,33,34,35,36}[P145A0i])$

CSFS0004	Proportion of white men and women age 18 to 34 in a county	$(\sum_{i=07,08,09,10,11,12,31,32,33,34,35,36} [P145A0i])/T001_001$
CSFS0005	Sex ratio of white men employed (16 years and older) to the total white women (16 years and older) in a county	$(P150A004+P150A006)/P150A009$
CSFS0006	Sex ratio of blacks or African Americans ages 18 to 29 in a county (male/female)	$(\sum_{i=07,08,09,10,11} [P145B0i]) / (\sum_{i=31,32,33,34,35} [P145B0i])$
CSFS0007	Sex ratio of blacks or African Americans ages 30 to 34 in a county (male/female)	$P145B012/P145B036$
CSFS0008	Sex ratio of blacks or African Americans ages 18 to 34 in a county (male/female)	$(\sum_{i=07,08,09,10,11,12} [P145B0i]) / (\sum_{i=31,32,33,34,35,36} [P145B0i])$
CSFS0009	Proportion of black or African American men and women age 18 to 34 in a county	$(\sum_{i=07,08,09,10,11,12,31,32,33,34,35,36} [P145B0i])/T001_001$
CSFS0010	Sex ratio of black men employed (16 years and older) to the total black women (16 years and older) in a county	$(P150B004+P150B006)/P150B009$

SOURCE DESCRIPTION

SF 2000 Census of Population and Housing, Summary File 3

All variables provided in this file were constructed using estimates available in the US Census' Summary File 3 (SF3), which contains sample data compiled from the decennial Census' long-form questionnaire completed by about 1 in 6 households. The Summary File 3 comprises detailed information on a variety of topics. For additional detail and technical documentation please consult the following: <http://www.census.gov/prod/cen2000/doc/sf3.pdf>. Social Explorer provided access to the original 2000 US Census estimates used in the construction of the variables comprising this Add Health data file (source: <http://www.socialexplorer.com/>).

A list of the variables from the 2000 Census Summary File 3 used to generate this county-level sex ratio data appears in the following table:

SF 2000 Census Summary File 3

Source Variable Name	Description
T001_001	Total Population
P145A007	White Male, 18 and 19 years
P145A008	White Male, 20 years
P145A009	White Male, 21 years
P145A010	White Male, 22 to 24 years
P145A011	White Male, 25 to 29 years
P145A012	White Male, 30 to 34 years
P145A031	White Female, 18 and 19 years
P145A032	White Female, 20 years
P145A033	White Female, 21 years
P145A034	White Female, 22 to 24 years
P145A035	White Female, 25 to 29 years
P145A036	White Female, 30 to 34 years
P145B007	Black or African American, Male, 18 and 19 years
P145B008	Black or African American, Male, 20 years
P145B009	Black or African American, Male, 21 years
P145B010	Black or African American, Male, 22 to 24 years
P145B011	Black or African American, Male, 25 to 29 years
P145B012	Black or African American, Male, 30 to 34 years
P145B031	Black or African American Female, 18 and 19 years
P145B032	Black or African American Female, 20 years
P145B033	Black or African American Female, 21 years
P145B034	Black or African American Female, 22 to 24 years
P145B035	Black or African American Female, 25 to 29 years
P145B036	Black or African American Female, 30 to 34 years
P150A004	White male, 16 years and over, in labor force, Armed Forces
P150A006	White male, 16 years and over, in labor force, civilian, employed
P150A009	White Female, 16 years and over
P150B004	Black or African American Male, 16 years and over, in labor force, Armed Forces
P150B006	Black or African American Male, 16 years and over, in labor force, civilian, employed
P150B009	Black or African American Female, 16 years and over

CODEBOOK

Wave III: County-Level Sex Ratio Data (W3SEXROC.xpt)

Number of observations: 15,197

AID		Char	Respondent identifier NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0%	10316654	
1	0%	10316952	
1	0%	10506342	
1	0%	10570810	
1	0%	10606128	
15187	100%	Values omitted	NOTE: Range of values omitted from display
1	0%	99886993	
1	0%	99886994	
1	0%	99886995	
1	0%	99886996	
1	0%	99886999	

CSFS0001		Num	Sex ratio of whites ages 18 to 29 in a county (male/female) NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0%	0.67	.67
1	0%	0.77	.77
1	0%	0.79	.79

17	0%	0.81	.81
13	0%	0.82	.82
14836	98%	.83- 1.71	NOTE: Range of values omitted from display
2	0%	1.77	1.77
1	0%	1.78	1.78
15	0%	2.11	2.11
2	0%	2.15	2.15
308	2%	6	geocode missing

CSFS0002		Num	Sex ratio of whites ages 30 to 34 in a county (male/female) NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
2	0%	0.70	.7
1	0%	0.71	.71
2	0%	0.72	.72
1	0%	0.78	.78
3	0%	0.81	.81
14873	98%	.82- 1.79	NOTE: Range of values omitted from display
1	0%	1.91	1.91
1	0%	2.02	2.02
3	0%	2.15	2.15
2	0%	2.47	2.47
308	2%	6	geocode missing

CSFS0003		Num	Sex ratio of whites ages 18 to 34 in a county (male/female) NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0%	0.73	.73
1	0%	0.78	.78
1	0%	0.82	.82
7	0%	0.83	.83
1	0%	0.84	.84
14859	98%	.85- 1.76	NOTE: Range of values omitted from display
1	0%	1.77	1.77
1	0%	1.79	1.79
15	0%	1.87	1.87
2	0%	2.11	2.11
308	2%	6	geocode missing

CSFS0004		Num	Proportion of white men and women age 18 to 34 in a county NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
138	1%	0.04	.04
1	0%	0.05	.05
411	3%	0.06	.06
44	0%	0.07	.07
10	0%	0.08	.08
14263	94%	.09-.38	NOTE: Range of values omitted from display

14	0%	0.39	.39
5	0%	0.42	.42
2	0%	0.44	.44
1	0%	0.45	.45
308	2%	6	geocode missing

CSFS0005		Num	Sex ratio of white men employed (16 years and older) to the total white women (16 years and older) in a county NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
5	0%	0.33	.33
123	1%	0.37	.37
6	0%	0.38	.38
13	0%	0.40	.4
15	0%	0.41	.41
14705	97%	.42- 1.04	NOTE: Range of values omitted from display
4	0%	1.05	1.05
1	0%	1.07	1.07
15	0%	1.10	1.1
2	0%	1.26	1.26
308	2%	6	geocode missing

CSFS0006		Num	Sex ratio of blacks or African Americans ages 18 to 29 in a county (male/female) NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0%	0.15	.15
2	0%	0.17	.17
3	0%	0.30	.3
2	0%	0.31	.31
3	0%	0.33	.33
14600	96%	.41-80.00	NOTE: Range of values omitted from display
2	0%	85.29	85.29
308	2%	96	geocode missing
44	0%	97	no black males, some black females
144	1%	98	some black males, no black females
88	1%	99	no black males, no black females

CSFS0007		Num	Sex ratio of blacks or African Americans ages 30 to 34 in a county (male/female) NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
131	1%	0.11	.11
2	0%	0.12	.12
1	0%	0.14	.14
7	0%	0.18	.18
2	0%	0.19	.19

14068	93%	.2-56.00	NOTE: Range of values omitted from display
1	0%	107.00	107.00
308	2%	996	geocode missing
231	2%	997	no black males, some black females
154	1%	998	some black males, no black females
292	2%	999	no black males, no black females

CSFS0008		Num	Sex ratio of blacks or African Americans ages 18 to 34 in a county (male/female) NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
2	0%	0.08	.08
2	0%	0.16	.16
7	0%	0.27	.27
131	1%	0.30	.3
5	0%	0.32	.32
14526	96%	.42-83.73	NOTE: Range of values omitted from display
1	0%	124.00	124.00
308	2%	996	geocode missing
70	0%	997	no black males, some black females
111	1%	998	some black males, no black females
34	0%	999	no black males, no black females

CSFS0009		Num	Proportion of black or African American men and women age 18 to 34 in a county NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
2712	18%	0.00	.00 (rounding artifact)
2322	15%	0.01	.01
2985	20%	0.02	.02
1045	7%	0.03	.03
600	4%	0.04	.04
4857	32%	.05-.15	NOTE: Range of values omitted from display
310	2%	0.16	.16
22	0%	0.17	.17
2	0%	0.18	.18
308	2%	6	geocode missing
34	0%	9	no black males, no black females

CSFS0010		Num	Sex ratio of black men employed (16 years and older) to the total black women (16 years and older) in a county NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
2	0%	0.05	.05
1	0%	0.06	.06
5	0%	0.09	.09
46	0%	0.10	0.1
1	0%	0.13	.13

14589	96%	.21-8.00	NOTE: Range of values omitted from display
1	0%	21.00	21.00
308	2%	96	geocode missing
208	1%	97	no black males, some black females
7	0%	98	some black males, no black females
29	0%	99	no black males, no black females

NOTE:

Nine percent of whites interviewed in Wave III lived in locations where the black sex ratio was derived from less than 50 black men and less than 50 black women. These locations are places where population density and total population are low.