

National Longitudinal Study of Adolescent Health

Wave I 1990 Population Density Codebook

Penny Gordon-Larsen



Carolina Population Center
University of North Carolina at Chapel Hill

October 2008

This research was funded by National Institutes of Health (National Institute of Child Health and Human Development grants R01 HD39183, R01 HD041375, and K01 HD044263; National Institute of Diabetes and Digestive and Kidney Diseases grant DK56350; and National Institute on Environmental Health Sciences grant P30ES10126), National Institute of Aging NIA: K07 AG001015 and P30 AG024376; and a cooperative agreement with the Centers for Disease Control and Prevention (CDC SIP No. 5-00).

Persons interested in obtaining data files from Add Health should contact Add Health, Carolina Population Center, 123 W. Franklin Street, Chapel Hill, NC 27516-2524 (addhealth@unc.edu.)

Add Health Wave I
1990 Proportional Block Group Population and Area

Filename: w1pop90.xpt

Description

W1POP90 contains the proportion of 1990 U.S. Census block group population and area (in square meters) within 1, 3, 5, and 8.04672 km (5 mi) of each Wave I respondent.

To derive population and area values for the different neighborhood/buffer sizes for each respondent, block group populations were adjusted proportional to the percent of the block group area that fell within the respondent buffer. If an entire block group fell within the buffer, the entire population and area of that block group were used. If half of a block group fell within a buffer, half of that block group's population and area were used. These proportional calculations were summed to produce total buffer population and area calculations.

The adjusted total area is equal to the buffer area except in cases where the buffer extends beyond the shoreline or international boundary of the United States. In these cases, the adjusted total area is less than the buffer area. The use of adjusted block group areas means that the Add Health definition of area in this dataset will be consistent with what is defined by the U.S. Census Bureau in its delineation of Census block groups.

Variable Listing

Variable Name	Variable Label and Description
W1P90_A1	1990 block group area (sq m), 1 km
W1P90_A3	1990 block group area (sq m), 3 km
W1P90_A5	1990 block group area (sq m), 5 km
W1P90_A8	1990 block group area (sq m), 8 km
W1P90_P1	1990 block group population, 1 km
W1P90_P3	1990 block group population, 3 km
W1P90_P5	1990 block group population, 5 km
W1P90_P8	1990 block group population, 8 km

Wave I Population Density Data

Wave I Population Density Data

AID		Str 8	Respondent Identifier NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0.0%	10316654	
1	0.0%	10316952	
1	0.0%	10506342	
1	0.0%	10570810	
1	0.0%	10606128	
20735	100.0%	10676355-99886994	NOTE: Range of values omitted from display
1	0.0%	99886995	
1	0.0%	99886996	
1	0.0%	99886997	
1	0.0%	99886998	
1	0.0%	99886999	

W1P90_A1		Num 4	1990 Block Group Area (Sq m), 1 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0.0%	1390616	
1	0.0%	1594626	
1	0.0%	1620596	
1	0.0%	1652420	
1	0.0%	1663804	
20731	99.9%	1696821-3141593	NOTE: Range of values omitted from display

2	0.0%	3141594	
1	0.0%	3141595	
2	0.0%	3141596	
1	0.0%	3141598	
3	0.0%	3141599	

W1P90_A3		Num 4	1990 Block Group Area (Sq m), 3 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0.0%	4190291	
1	0.0%	7281010	
1	0.0%	8097970	
1	0.0%	9060052	
1	0.0%	9098569	
20733	99.9%	9884136- 28274334	NOTE: Range of values omitted from display
3	0.0%	28274335	
1	0.0%	28274336	
1	0.0%	28274337	
1	0.0%	28274345	
1	0.0%	28274353	

W1P90_A5		Num 4	1990 Block Group Area (Sq m), 5 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0.0%	13191336	
1	0.0%	16178868	
1	0.0%	17819242	
1	0.0%	19644890	

1	0.0%	25239762	
3793	18.3%	27934120-78539813	NOTE: Range of values omitted from display
1	0.0%	78539814	
2	0.0%	78539815	
16932	81.6%	78539816	
9	0.0%	78539817	
3	0.0%	78539819	

W1P90_A8		Num 4	1990 Block Group Area (Sq m), 8 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0.0%	46605735	
1	0.0%	51578760	
1	0.0%	60348156	
1	0.0%	64941941	
1	0.0%	77144597	
6093	29.4%	77427227-203417190	NOTE: Range of values omitted from display
14643	70.6%	203417191	
1	0.0%	203417192	
1	0.0%	203417193	
1	0.0%	203417194	
1	0.0%	203417197	

W1P90_P1		Num 8	1990 Block Group Population, 1 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0.0%	.1	
1	0.0%	.2	

1	0.0%	.9	
1	0.0%	1.3	
2	0.0%	1.7	
20732	99.9%	2.1- 82909.89999999999	NOTE: Range of values omitted from display
3	0.0%	83771.8	
1	0.0%	86419.60000000001	
1	0.0%	88599.5	
1	0.0%	90362.5	
1	0.0%	94126.8	

W1P90_P3		Num 8	1990 Block Group Population, 3 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0.0%	1.1	
1	0.0%	1.9	
1	0.0%	13.1	
1	0.0%	13.2	
2	0.0%	15.6	
20732	99.9%	17.5- 560450.5	NOTE: Range of values omitted from display
1	0.0%	573618.8	
1	0.0%	573963.4	
1	0.0%	574346.6	
2	0.0%	577067.7	
2	0.0%	582232.9	

W1P90_P5		Num 8	1990 Block Group Population, 5 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label

1	0.0%	2.8	
1	0.0%	7.6	
1	0.0%	40.7	
1	0.0%	47.4	
1	0.0%	52.1	
20734	99.9%	60.8- 1286252.2	NOTE: Range of values omitted from display
1	0.0%	1292906.5	
1	0.0%	1294642.4	
1	0.0%	1295278.1	
1	0.0%	1296567	
2	0.0%	1303806	

W1P90_P8		Num 8	1990 Block Group Population, 8 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0.0%	7.2	
1	0.0%	30.9	
1	0.0%	112	
1	0.0%	120.9	
1	0.0%	124.4	
20735	100.0%	174.9- 2691795.1	NOTE: Range of values omitted from display
1	0.0%	2703815.3	
1	0.0%	2711495.6	
1	0.0%	2721193.6	
1	0.0%	2734617.2	
1	0.0%	2783844.2	