

Add Health Wave I Urbanized Area Distance

Filename: w1urbdst

Description

W1URBDST contains Euclidean (“straight-line”) distances to both 1990 and 2000 U.S. Census Urbanized Areas (UAs) for each Wave I respondent. Distances, which were measured using respondent Wave I locations and UA boundaries projected to the Universal Transverse Mercator (UTM) coordinate system, are reported in meters.

UA boundaries were extracted and revised as necessary from Data & Maps (D&M) datasets from the Environmental Systems Research Institute (ESRI) in Redlands, CA, as follows:

- U.S. Census 1990 UAs from ESRI D&M 2003
- U.S. Census 2000 UAs from ESRI D&M 2004

The definitions of UAs contained in the ESRI D&M metadata follow.

ESRI D&M 2003 (1990 UAs):

“U.S. Urbanized Areas represents boundaries for urban areas with a population greater than 50,000. The dataset covers the 50 States plus the District of Columbia and Puerto Rico within United States.”

ESRI D&M 2004 (2000 UAs):

“A UA consists of contiguous, densely settled census block groups (BGs) and census blocks that meet minimum population density requirements (1000ppsm /500ppsm), along with adjacent densely settled census blocks that together encompass a population of at least 50,000 people.”

Urban Clusters (UCs), which are similar to UAs but with a population of at least 2,500 people and fewer than 50,000 people, were dropped from the data extracted from the ESRI D&M 2004 dataset (2000 Census) to make them comparable to the data extracted from the ESRI D&M 2003 dataset (1990 Census). UAs created in 2000 were developed with a much higher level of detail than those created in 1990. The 1990 UAs encompassed whole areas, for example, including large, unpopulated waterways; whereas, the 2000 UAs excluded them. This is particularly noticeable in coastal areas.

As a result, many respondent locations may appear to be farther from UAs in 2000 than they were in 1990, although they remain in the same location and the UA may have undergone no actual change in size. In general, however, the 2000 UAs extend beyond the 1990 UAs, and there are new 2000 UAs in locations where no 1990 UA previously existed. To allow for a comparison of the two sets of UA boundaries, distances to both the 1990 and 2000 UAs are included in the Wave I dataset.

Variable Listing

Variable Name	Variable Label and Description
W1UR1990	1990 Urbanized Area distance in meters
W1UR2000	2000 Urbanized Area distance in meters

W1URBDST: Wave I Urbanized Area Distance Data

Wave I Urbanized Area Distance 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	

W1UD1990		Num 4	1990 Urbanized Area distance (m) NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
12735	61.4%	0	
1	0.0%	1	
2	0.0%	2	
2	0.0%	3	
2	0.0%	4	
7997	38.5%	5-176801	NOTE: Range of values omitted from display

1	0.0%	176874	
1	0.0%	177415	
1	0.0%	177468	
1	0.0%	187624	
2	0.0%	191040	

W1UD2000		Num 4	2000 Urbanized Area distance (m) NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
14336	69.1%	0	
10	0.0%	1	
4	0.0%	2	
7	0.0%	3	
1	0.0%	4	
6381	30.8%	5-169920	NOTE: Range of values omitted from display
1	0.0%	170314	
1	0.0%	170368	
1	0.0%	174237	
1	0.0%	180524	
2	0.0%	190302	