

National Health and Nutrition Examination Survey

Documentation, Codebook, and Frequencies

Geocoding Variables

**Survey Years:
1988-1994**

**SAS Transport File:
N3_GEO.XPT**

These data are available
through the Research Data
Center.



May 2009

The Third National Health and Nutrition Examination Survey (NHANES III) was fielded in two three-year phases between 1988 and 1994. Approximately 33,000 respondents were interviewed and examined in 81 counties throughout the United States. No geographic location was released in order to protect the identification of respondents. State and county information could be obtained through the Research Data Center (RDC). It is desirable, however, to use a finer level of geography to spatially analyze the NHANES data and to answer various important research questions about the effect of geography on health. Therefore, NCHS has asked Westat to geocode (i.e., assign geographic codes to) the NHANES III survey data for analytical use in the RDC.

Westat geocoded the NHANES III survey data to the 1980 and 1990 census. Specifically, Westat provided:

1. Census block group, census tract, county, state, and all other census codes normally provided by the Westat Geocoding Service Center for each residential address.
2. Latitude and longitude for each residential address.

NHANES 3 Geocoding Summary:

Input data records read (<i>All SPs</i>):	33,994
<u>Status</u>	<u>Percent</u>
0 = matched to exact address	67.3%
1 = interactively matched to nearest intersection or nearest street segment	18.8%
2 = matched to ZIP code centroid	13.6%
3 = matched to county centroid	0.4%

9/06/2007

**National Health and Nutrition Examination Survey
Codebook for Data Production (1988-1994)
(NHANES III)**

**NHANES III geocoding (N3_GEO)
Person Level Data**

June 2009



SEQN	Target
	B(0 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Respondent sequence number
English Text: Respondent sequence number.	
English Instructions:	

STATUS	Target
	B(0 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Status Code
English Text: Status Code	
English Instructions:	

Code or Value	Description	Count	Cumulative	Skip to Item
0	Matched to Exact Address	23113	23113	
1	Interactively Matched to Nearest Intersection or Nearest Street Segment	6346	29459	
2	Matched to ZIP Code Centroid	4422	33881	
3	Matched to County Centroid	113	33994	
.	Missing	0	33994	

LON		Target		
		B(0 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		Longitude		
English Text: Longitude				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
-149.9503251 to -69.757052	Range of Values	33994	33994	
.	Missing	0	33994	

LAT		Target		
		B(0 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		Latitude		
English Text: Latitude				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
25.491938004 to 61.444801274	Range of Values	33994	33994	
.	Missing	0	33994	

STATE	Target			
	B(0 Yrs. to 150 Yrs.)			
Hard Edits	SAS Label			
	FIP State Code			
English Text: FIP State Code				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
2 to 53	Range of Values	33994	33994	
.	Missing	0	33994	

COUNTY	Target			
	B(0 Yrs. to 150 Yrs.)			
Hard Edits	SAS Label			
	FIP County Code			
English Text: FIP County Code				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1 to 760	Range of Values	33994	33994	
.	Missing	0	33994	

TRACT_80	Target			
	B(0 Yrs. to 150 Yrs.)			
Hard Edits	SAS Label			
	1980 Tract Code (4 Digits)			
English Text: 1980 Tract Code (4 Digits)				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
-9 to 9908	Range of Values	33994	33994	
.	Missing	0	33994	

TCBNA_80	Target			
	B(0 Yrs. to 150 Yrs.)			
Hard Edits	SAS Label			
	1980 TractBNA Code (6 Digits)			
English Text: 1980 TractBNA Code (6 Digits)				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
-9 to 853002	Range of Values	33994	33994	
.	Missing	0	33994	

BG_80	Target			
	B(0 Yrs. to 150 Yrs.)			
Hard Edits	SAS Label			
	1980 Block Group Code			
English Text: 1980 Block Group Code				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1 to 9	Range of Values	20963	20963	
.	Missing	13031	33994	

BLCK_80	Target			
	B(0 Yrs. to 150 Yrs.)			
Hard Edits	SAS Label			
	1980 Block Code			
English Text: 1980 Block Code				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
-9 to 989	Range of Values	33994	33994	
.	Missing	0	33994	

TRACT_90		Target		
		B(0 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		1990 Tract Code (4 Digits)		
English Text: 1990 Tract Code (4 Digits)				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
-9 to 9864	Range of Values	33994	33994	
.	Missing	0	33994	

TCBNA_90		Target		
		B(0 Yrs. to 150 Yrs.)		
Hard Edits		SAS Label		
		1990 TractBNA Code (6 Digits)		
English Text: 1990 TractBNA Code (6 Digits)				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
-9 to 966898	Range of Values	33994	33994	
.	Missing	0	33994	

BG_90	Target			
	B(0 Yrs. to 150 Yrs.)			
Hard Edits	SAS Label			
	1990 Block Group Code			
English Text: 1990 Block Group Code				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1 to 9	Range of Values	29459	29459	
.	Missing	4535	33994	

BLCK_90	Target			
	B(0 Yrs. to 150 Yrs.)			
Hard Edits	SAS Label			
	1990 Block Code			
English Text: 1990 Block Code				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
-9 to 991	Range of Values	31570	31570	
.	Missing	2424	33994	

YEAR	Target			
	B(0 Yrs. to 150 Yrs.)			
Hard Edits	SAS Label			
	Survey Year			
English Text: Survey Year				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1988 to 1994	Range of Values	33994	33994	
.	Missing	0	33994	

TRACT	Target			
	B(0 Yrs. to 150 Yrs.)			
Hard Edits	SAS Label			
	Tract (1990 Definition)			
English Text: Tract (1990 Definition)				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
-9 to 986400	Range of Values	33994	33994	
.	Missing	0	33994	

VERSION	Target			
	B(0 Yrs. to 150 Yrs.)			
Hard Edits	SAS Label			
	Production Vintage of the NCHS Specializ			
English Text: Production Vintage of the NCHS Specialized Extract Series				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
.	Missing	33994	33994	