

AHS 2013 BETA PUF

USER'S Guide

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1. Rotating Topical Modules for 2013

HUD incorporated five topical modules for the 2013 AHS National and metropolitan area samples. However, the incorporation strategy was somewhat different than in the past. Rather than administer the each topical module to every respondent, HUD randomly split the national and metropolitan samples into two halves. Each half was administered different topical modules, according to the following:

Half #1: Public transportation and pedestrian accessibility; disaster planning; and doubled-up households

Half #2: Neighborhood social capital; neighborhood characteristics; and doubled-up households.

Below are a few things to note about conducting analysis with the variables corresponding to the topical module questions:

- All the variables for public transportation and pedestrian accessibility, disaster planning, neighborhood social capital, and neighborhood characteristics are located in the PUF table TOPICAL.
- The variables for doubled-up households are located in NEWHOUSE, RMOV, and OMOV. OMOV is a new PUF table for 2013.
- Census and HUD are developing a split-sample weight (SPLTWGT) that must be used conducting analysis with any variables in TOPICAL. At this time, SPLTWGT is not finished.

2. Known Issues with BETA AHS Public Use Files

National PUF Beta 1

Source	Date	Variable(s) Effected	Issue
Census	7/21/2014	FLOORS ROOMS CLIMB NUNITS BEDRMS	Values are subject to change.
Census	7/21/2014	VACANC2B	Variable withheld from the PUF pending more analysis.
Census	7/21/2014	DIVISION	Variable withheld from the PUF due to incorrect values.
Census	7/21/2014	FMR/Income limit variables	Values are subject to change.
Census	7/21/2014	METRO3 SMSA	Values are subject to change.
Census	7/21/2014	DBOUTREAS DBOUT1REAS DBINREAS DBIN1REAS	Values have not yet been updated to include the re-categorization of other write-in responses.
Census	7/21/2014	Split weights for rotating modules	Split weights are still being verified. DO NOT use variables from the TOPICAL SAS file.
Census	7/21/2014	Replicate weights	Replicate weights are still being developed.
Census	7/21/2014	HUDADMIN	Variable withheld. Values are still being developed.
HUD	7/21/2014	multiple	415 variables have blank values. AHSB will confirm and correct as needed.

Metro PUF Beta 1

Source	Date	Variable(s) Effected	Issue
Census	7/21/2014	ZADEQ AMTXQ POOR IPOV HHSPOS HHPAR NEWC MOBILTYP	These variables are being initialized to missing. They should be initialized to existing values ('B', '2', or '1' depending on the variable).
Census	7/21/2014	TAXINC	The blanking edit is not working properly.
Census	7/21/2014	Doubling Up I and II variables	Cases are not being initialized to blank; cases not receiving a value when there are multiple doubling up groups.
Census	7/21/2014	NUNIT	In the Las Vegas metro there are three cases with values of missing. The topcode seems to be calculating the mean incorrectly.
Census	7/21/2014	Doubling Up I and II 'Other' category	Analysts assessed redistribution to existing and new categories. Proposed new categories delivered to HUD for

			approval.
Census	7/21/2014	FLOORS ROOMS CLIMB NUNITS BEDRMS	Values are subject to change.
Census	7/21/2014	VACANC2B	Variable withheld from the PUF pending more analysis.
Census	7/21/2014	DIVISION	Variable withheld from the PUF due to incorrect values.
Census	7/21/2014	FMR/Income limit variables	Values are subject to change.
Census	7/21/2014	DBOUTREAS DBOUT1REAS DBINREAS DBIN1REAS	Values have not yet been updated to include the re-categorization of other write-in responses.
Census	7/21/2014	Split weights for rotating modules	Split weights are still being verified. DO NOT use variables from the TOPICAL SAS file.
Census	7/21/2014	Replicate weights	Replicate weights are still being developed.
Census	7/21/2014	HUDADMIN	Variable withheld. Values are still being developed.
HUD	7/21/2014	multiple	415 variables have blank values. AHSB will confirm and correct as needed.

3. Variable Deleted for the 2013 AHS PUFs

This list below contains variables that were deleted from the 2011 PUF for the 2013 AHS PUF. Most often these are variables that were from one of the two rotating topical modules included in the 2011 AHS (housing modifications and healthy homes).

Items Deleted from 2013 AHS

EQP Module (NEWHOUSE)

ETRSHCP	Energy star rated built-in trash compactor
EDISHWR	Energy star rated dishwasher
EWASHR	Energy star rated washing machine
EDRYER	Energy star rated clothes dryer
EFRIDGE	Energy star rated refrigerator
EHEATUT	Energy star rated heating equipment
EAIRC	Energy star rated room air conditioner
ECNTAIR	Energy star rated central air conditioner
ENOEAPP	No energy star rated appliances
EOTEAPP	Unit has another type of energy star rated appliance
WINTEROVEN	Gas oven with an open door used during winter months
WINTERKESP	Kerosene space heater used during winter months
WINTERELSP	Electric space heater used during winter months
WINTERWOOD	Outdoor wood fire boiler used during winter months
WINTERNONE	No use of any other modes to heat unit during winter months
WELLDIS	Has disinfected well
WELLDIS2	Has been advised by health authorities to disinfect well
SEWDISTP	Type of septic tank or cesspool sewage disposal system

HMR Module (NEWHOUSE)

HKRAC	Cost of alterations/repairs due to Hurricane Katrina
HKRAN	# of alterations/repairs made due to Hurricane Katrina
TAXCRD	Tax credit received for energy efficient job

HMR Module (HOMIMP)

RAHK	Hurricane Katrina related job
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Recent Mover Module (NEWHOUSE)

WNFUN	Chose ngrbrhd for close leisure activity
WHKIT	Liked unit because of kitchen
JWNFUN	Edit flag for WNFUN
JWHKIT	Edit flag for WHKIT

Recent Mover Module (RMOV)

XINUS	Previous residence outside United States
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Housing Modification Module (NEWHOUSE)

WCHAIR	Someone in the household uses a manual wheelchair
ECHAIR	Someone in hhld uses electric wheelchair/cart/scooter
CLIFT	Someone in household uses a chairlift
CRUTCH	Someone in household uses crutches
CANE	Someone in household uses cane/walker
SPOTHR	Someone in household uses other mobility device
HMRAMPS	Presence and use of ramps in home
HMELEVATE	Presence and use of elevators in home
HMENTBD	Presence and use of bedroom on entry level

Items Deleted from 2013 AHS

HMENTBTH	Presence and use of full bathroom on entry level
HMHNDR	Presence and use of handrails/grab bars in home
HMBRL	Presence and use of handrails/grab bars in bathroom
HMORL	Presence and use of handrails/grab bars in other areas
HMBST	Presence and use of built-in shower seats
HMTOILET	Presence and use of raised toilets
HMHNDR	Presence and use of door handles instead of knobs
HMSKLV	Presence and use of sink handles/levers
HMXWDR	Presence and use of extra-wide doors/hallways
HMKITRY	Presence and use of kitchen trays/lazy susans
HMLEVEL	Presence and use of no steps between rooms
HMOUTLET	Presence and use of wheelchair accessible electrical outlets
HMSWITCH	Presence and use of wheelchair accessible electrical switches
HMCLCTRL	Presence and use of wheelchair accessible climate controls
HMACAB	Presence and use of wheelchair accessible kitchen cabinets
HMCOUNT	Presence and use of wheelchair accessible countertops
HMKIT	Presence and use of wheelchair accessible kitchen
HMBROOM	Presence and use of wheelchair accessible bathroom
JHMRAMPS	Edit flag for HMRAMPS
JHMELEVTE	Edit flag for HMELEVATE
JHMENTBD	Edit flag for HMENTBD
JHMENTBTH	Edit flag for HMENTBTH
JHMHNDR	Edit flag for HMHNDR
JHMBRL	Edit flag for HMBRL
JHMORL	Edit flag for HMORL
JHMBST	Edit flag for HMBST
JHMTOILET	Edit flag for HMTOILET
JHMHNDR	Edit flag for HMHNDR
JHMSKLV	Edit flag for HMSKLV
JHMXWDR	Edit flag for HMXWDR
JHMKITRY	Edit flag for HMKITRY
JHMLEVEL	Edit flag for HMLEVEL
JHMOUTET	Edit flag for HMOUTLET
JHMSWITCH	Edit flag for HMSWITCH
JHMCLCTRL	Edit flag for HMCLCTRL
JHMACAB	Edit flag for HMACAB
JHMCOUNT	Edit flag for HMCOUNT
JHMKIT	Edit flag for HMKIT
JHMBROOM	Edit flag for HMBROOM
HKCAB (Recode)	Household member has difficulty reaching cabinets
HCAB (Recode)	Household member has difficulty opening cabinets
HSTOV (Recode)	Household member has difficulty using kitchen stove
HCTRUSE (Recode)	Household member has difficulty using kitchen counters
HGETBR (Recode)	Household member has difficulty getting to bathroom
HSINK (Recode)	Household member has difficulty using sink
HFAUCET (Recode)	Household member has difficulty using faucets
HBTUB (Recode)	Household member has difficulty getting into bathtub
HWSHWR (Recode)	Household member has difficulty getting into walk-in shower
HSTOOP (Recode)	Household member has difficulty stooping or kneeling
HREACH (Recode)	Household member has difficulty reaching above head

Items Deleted from 2013 AHS

HGRASP (Recode) Household member has difficulty grasping objects
 MOBUSE (Recode) Household member uses a mobility device
 HMWHEELN (Recode) Number of wheelchair accessible features in the home

Housing Modification Module (PERSON)

PKCAB Has difficulty reaching cabinets
 POCAB Has difficulty opening cabinets
 PSTOV Person has difficulty using kitchen stove
 PCTRUSE Has difficulty using kitchen counters
 PGETBR Has difficulty getting to bathroom
 PSINK Has difficulty using sink
 PFAUCET Has difficulty using faucets
 PBTUB Has difficulty getting into/out of bathtub
 PWSHWR Has difficulty getting into/out of walk-in shower
 PSTOOP Has difficulty stooping/kneeling/bending
 PREACH Has difficulty reaching above head
 PGRASP Has difficulty using fingers to grasp small objects

Healthy Homes Module (NEWHOUSE)

MOLD Mold present in home
 MOLDKITCH Mold present in kitchen
 MOLDBATH Mold present in bathroom
 MOLDBEDRM Mold present in bedroom
 MOLDLROOM Mold present in living room
 MOLDBASEM Mold present in basement
 MOLDOther Mold present in some other room
 MUST Frequency of musty smells
 SMKR Household member smokes in home
 SMKVIS Visitor to household smokes in home
 SECSMK Frequency of second hand smoke entering house
 SMOKE Smoke detector
 SMOKPWR Smoke detector power source
 BATTERY Smoke detector batteries replaced
 FIREX Unit has a fire extinguisher
 SPRNKLR Sprinkler system inside the unit
 MONOX Unit has a carbon monoxide detector
 COPWR Carbon monoxide detector power source
 COBATT Carbon monoxide detector batteries replaced in last 6 months
 H20MF Access to water heater
 H20HT Hot water temperature checked
 OUTLET Covered outlets
 CHEMSTOR Hazardous material stored out of children's reach
 EXTC Extension cords used
 EXTCOND Cracked/worn extension cords
 POOLACC Outdoor swimming pool
 POOLFEN Fence around pool
 SAFEU5KD Children under 5 live in or regularly visit the hhld
 STAIRBRK Broken /missing steps
 STAIRCOV Non-slip coverings on stairs
 STAIRGAT Gates on stairs

Items Deleted from 2013 AHS

STAIRLGT	Well lit stairs
STAIRMIS	Broken/missing railings
STAIRRL	Stair railings firmly attached
STAIRS	Stairs in unit
ASTHMA	Household has a child with asthma
ASTHMED	Daily medication for asthma
ASTHEMR	Emergency room visit for asthma
HLTH	Householder's health

Healthy Homes Module (PERSON)

PASTHWHO	Person has Asthma (Person-level for each child in universe)
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4. New Variables Added for the 2013 AHS PUFs

This list below contains variables that were added to the 2013 AHS PUF. Most often these are variables that were from one of the five rotating topical modules included in the 2013 AHS. Some variables appears on the list below but have are not yet ready to be included in the BETA version of the PUFs.

Items Added to 2013 AHS

Recent Mover Module (NEWHOUSE)

WHNHD Liked unit because of neighborhood
 WNAMEN Chose nghbrhd because of convenience to amenities
 WNFAMILR Chose nghbrhd because of familiarity
 WNSAFETY Chose nghbrhd because of safety
 JWHNHD Edit flag for WHNHD
 JWNAMEN Edit flag for WNAMEN
 JWNFAMILR Edit flag for WNFAMILR
 JWNSAFETY Edit flag for WNSAFETY

Real Estate Module (NEWHOUSE)

MOSJAN Unit is typically occupied in January
 MOSFEB Unit is typically occupied in February
 MOSMAR Unit is typically occupied in March
 MOSAPR Unit is typically occupied in April
 MOSMAY Unit is typically occupied in May
 MOSJUN Unit is typically occupied in June
 MOSJUL Unit is typically occupied in July
 MOSAUG Unit is typically occupied in August
 MOSSEP Unit is typically occupied in September
 MOSOCT Unit is typically occupied in October
 MOSNOV Unit is typically occupied in November
 MOSDEC Unit is typically occupied in December
 MOSALL Unit is typically occupied year-round

HMR Module (NEWHOUSE)

TAXINC Tax incentives for energy efficiency improvements
 JTAXINC Edit flag for TAXINC

Public Transportation (TOPICAL)

PTPUBTRN Household uses public transportation
 PTUSBUS Household uses local public bus
 PTUSSUB Household uses subway
 PTUSSHUT Household uses commuter bus or shuttle van
 PTUSRAIL Household uses commuter rail
 PTUSOTR Household uses other public transportation
 PTDISBUS Distance to local public bus
 PTGETBUS How do household members get to the local public bus
 PTOFTBUS How often does household member use the local public bus
 PTDISSUB Distance to subway
 PTGETSUB How do household members get to subway
 PTOFTSUB How often does household member use subway
 PTDISSHUT Distance to shuttle
 PTGETSHUT How do household members get to shuttle

Items Added to 2013 AHS

PTOFTSHUT	How often does household member use shuttle
PTDISRAIL	Distance to commuter rail
PTGETRAIL	How do household members get to rail
PTOFTRAIL	How often does household member use rail
PTWKSCHL	How often public transportation is used to commute to work/school
PTDISPUB	Distance of closest public transportation stop
PTGROCER	Access to grocery store by public transportation
PTSERVIC	Access to personal services by public transportation
PTRETAIL	Access to retail shopping by public transportation
PTENTMNT	Access to entertainment by public transportation
PTHEALTH	Access to health care facilities by public transportation
PTBANK	Access to personal bank by public transportation
PTUSTAXI	Household uses taxi or cab
PTUSCRPL	Household uses carpool
PTUSCRSH	Household uses car sharing service
WBBIKEWALK	Household bikes or walks
WBGROCER	Access to grocery store by walking or biking
WBSERVIC	Access to personal services by walking or biking
WBRETAIL	Access to retail shopping by walking or biking
WBENTMNT	Access to entertainment by walking or biking
WBHEALTH	Access to health care facility by walking or biking
WBBANK	Access to personal bank by walking or biking
WBWKSCHL	Access to work or school by walking or biking
WBNOBIKE	Household has a reason for not walking/biking
WBNOBKNSW	Doesn't walk/bike because of no sidewalks
WBNOBKBDW	Doesn't walk/bike because of inadequate sidewalks
WBNOBKLANE	Doesn't walk/bike because of no bike lanes
WBNOBKBIKE	Doesn't walk/bike because of lack of bicycle
WBNOBKTRAF	Doesn't walk/bike because of too much traffic
WBNOBKFAST	Doesn't walk/bike because of fast traffic
WBNOBKLITE	Doesn't walk/bike because of insufficient lighting
WBNOBKCRIM	Doesn't walk/bike because of crime
WBNOBKDEST	Doesn't walk/bike because of lack of destination
WBNOBKHLTH	Doesn't walk/bike because of health
WBNOBKTIME	Doesn't walk/bike because of lack of time
WBNOBKOTHR	Doesn't walk/bike for other reason
WBSIDEWALK	Neighborhood has usable, well-lit sidewalks
WBBIKELANE	Neighborhood has bike lanes
PTCOSTGAS	Monthly household spending on gasoline
PTCOSTINSU	Monthly household spending on car insurance
PTCOSTCARP	Monthly household spending on car payments
PTCOSTCARM	Monthly household spending on car maintenance
PTCOSTPARK	Monthly household spending on parking

Items Added to 2013 AHS	
PTCOSTPTR	Monthly household spending on public trnsprt
Disaster Planning (TOPICAL)	
DPBNREAD	Household has building number readable from street
DPGENERT	Household has generator for power outage
DPDRFOOD	Household has non-perishable food availability
DPEMWATER	Household has emergency water
DPALTCOM	Household has alternative communication plan
DPEVSEP	Household has evacuation meeting location
DPEVKIT	Household has emergency kit prepared
DPEVINFO	Household has disaster plan with financial and contact info
DPEVACPETS	Household needs evacuation assistance for pets
DPEVFIN	Household has financial resources for evacuation
DPEVVEHIC	Household has vehicle available during emergency
DPEVLOC	Household has evacuation location
Doubling Up – Out-Movers (NEWHOUSE)	
<p><i>Note: The out-movers series of questions ask current household members about people who have moved out of the unit in the past year or since they moved in if they have lived there for less than a year. The respondent can group these “out-movers” into up to three groups of people who have left the unit together. A series of questions are asked about each out-mover group. Anything at the out-mover group level will be on the OMOV dataset, while anything asked or recoded to the household level will be on the NEWHOUSE dataset.</i></p>	
DBOUTMOVE	Co-occupant has moved out of house
JDBMOUT	Edit flag for DBOUTMOVE
Recodes:	
DBOUT1WHY	Reason first out-mover group stayed in home
DBOUT1LEN	Length of stay for first out-mover group
DBOUT1REAS	Reason first out-mover group left
DBOUT1WHER	Where first out-mover group moved
DBOUT1VOL	First out-mover group left voluntarily or not
DBGRPNUM	Number of out-mover groups in the past year
Doubling Up – Out-Movers (OMOV)	
DBUGROUP	Out-mover group number
DBGRPCNT	Number of out-movers in out-mover group
DBOUTWHY	Reason out-movers stayed in home
DBOUTLEN	Length of out-mover stay
DBOUTREAS	Reason out-mover left home
DBOUTWHER	Where out-mover moved to
DBOUTVOL	Out-mover left under force or voluntarily
Doubling Up – In-Movers (NEWHOUSE)	
<p><i>Note: The in-movers series of questions asks questions about current household members who moved into the unit within the past two years. The respondent can group these “in-movers” into up to three groups of people who have moved into the unit together. A series of questions are asked about each in-mover group.</i></p>	

Items Added to 2013 AHS

Anything at the in-mover group level will be on the RMOV dataset, while anything asked or recoded to the household level will be on the NEWHOUSE dataset.

Recodes:

DBIN1WHY	Reason first in-mover group moved into home
DBIN1REAS	Reason first in-mover group left previous home
DBIN1WHER	Where first in-mover group moved from
DBIN1VOL	First in-mover grp left last home voluntarily/not

Doubling Up – In-Movers (RMOV)

DBINWHY	Reason person is staying here
DBINVOL	Person left previous home voluntarily or by force
DBINREAS	Most important reason person left previous home
DBINWHER	Where person stayed before living here
JDBINWHY	Edit flag for DBINWHY
JDBINVOL	Edit flag for DBINVOL
JDBINREAS	Edit flag for DBINREAS
JDBINWHER	Edit flag for DBINWHER

Doubling Up – At-risk (NEWHOUSE)

DBMISSEDMORT	Inability to pay mortgage
DBMORTFORC	Received foreclosure notice
DBINFORC	Mortgage is in foreclosure
DBLVEFORC	Likelihood of leaving home due to foreclosure
DBFORCWHR	Where household would move due to foreclosure
DBMISSRENT	Inability to pay rent
DBEVICTHT	Threatened with eviction
DBWHYEVIC	Reason for threatened eviction
DBEVICNOTE	Received eviction notice
DBEVICLK	Likelihood of leaving home due to eviction
DBEVICWHERE	Where household would move due to eviction
DBUTBILL	Received utility shut-off notice

Collective Efficacy (TOPICAL)

CEFDISRSPCT	Neighbor would scold disrespectful child
CEFSKIPSCHL	Neighbor would step in if saw child not in school
CEFSPRAYPNT	Neighbor would step in if saw child spray painting
CEFFIGHTING	Neighbor would step in if saw fighting near home
CEFFIRESTA	Neighbors would act to save closing fire station
CEFHELPNBOR	Neighbors are willing to help each other
CEFCLOSKNIT	Close-knit community
CEFGETALONG	Neighbors get along
CEFSHARVALS	Neighbors share values
CEFTRUSTED	Neighbors can be trusted
CEFGPBLOCK	Household is member of a neighborhood watch
CEFGPCHURCH	Household is member of a religious organization

Items Added to 2013 AHS	
CEFGPCIVIC	Household is member of a civic organization
CEFSPKOFFCL	Spoken with local officials
CEFSPKRELG	Household has spoken with religious leaders about neighborhood
CEFSPKNBORS	Household has spoken with neighbors about neighborhood
CEFSPKPRBLM	Household has spoken with politician about neighborhood problems
CEFSPKMEETG	Household has attended a neighborhood meeting
VOLNTEER	Household has volunteered over the past 12 months
FRIENDS	Number of friends in neighborhood
TALKNBOR	Household has talked to neighbors in past month
Neighborhood, some variables returning from 2009 (TOPICAL)	
GROCERY	Type of Grocery store nearby
DRUGSTORE	Drug store nearby
EWATER (2009)	Bodies of water within 1/2 block of unit
WFPROP (2009)	Unit is waterfront property
EGREEN (2009)	Open spaces within 1/2 block of unit
ETRANS (2009)	Rr/airport/4-lane hwy within 1/2 block
EPRKG (2009)	Parking lots within 1/2 block of unit
ECOM1 (2009)	Business/institutions within 1/2 block
ECOM2 (2009)	Factories/otr industry within 1/2 block
EHEIGHT (2009)	Height of apt bldgs within 1/2 blk
EBARCL (2009)	Bldgs w/ bars on windows within 1/2 blk
EABAN (2009)	Abandoned/vandalized bldgs within 1/2 bl
EJUNK (2009)	Trash/junk on streets/prprtys in 1/2 blk
EROAD (2009)	Roads within 1/2 block need repairs
EAGE (2009)	Unit about same age as nearby units
SATPOL (2009)	Neighbrhd police protection satisfactory
NHDBLDSUD	Nearby single family detached home
NHDBLDSUA	Nearby single family townhouses
NHDBLDMU	Nearby apartment buildings
NHDBLDMH	Nearby mobile homes
Weighting Variables New for 2013	
SPLTWGT	Split sample weight (TOPICAL)

5. Separation, Weighting, and Identification of the National and Metropolitan Samples

In 2011, HUD adopted the strategy of combining the national and metropolitan samples into one big sample. The whole sample had a weight (WGT90GEO) and each of 29 metropolitan area oversample has a and additional metropolitan area-specific weight (WGTMETRO)

For 2013, HUD did not adopt this strategy. Instead, HUD adopted the strategy that was consistent with the past strategy¹. For 2013, there are two separate files – one for national sample integrated with the “Big 5” metropolitan areas (Chicago, Detroit, New York, Northern New Jersey, and Philadelphia) and one for remaining 20 metropolitan area oversample cases.

The national and metro PUFs have unique geography and weighting variables that are specific to the sample on the file. Below is a table outlining these variables.

Items Unique to National and Metro PUFs	
Geography Variables Specific to National + Big 5 Sample on the National PUF	
REGION	Census region
DIVISION	Census division
DEGREE	Average heating/cooling degree days
CMSA	1980 design CMSA code
METRO3	Central city / suburban status
Geography Variables Specific to National + Big 5 Sample on the National PUF	
WGT90GEO	Final weight using 1990 geography ²
Geography Variables Specific to Metropolitan Area Sample on the Metro PUF	
ZONE	Defined area of > 100,000 population
METRO	Multiple central cities/suburban status within metro areas
STATE	FIPS state code
COUNTY	County code
Geography Variables Specific to Metropolitan Area Sample on the Metro PUF	
WGTMETRO	Final weight for 2013 metro areas using 1990 geography

¹ In 1995, 1999, 2003 and 2009, the national PUF was integrated with sample cases from the Big 5 or 6 metropolitan areas, while the other metropolitan areas were on separate PUFs (and weighted separately).

² This description sometime causes confusions with users. When the weight is described as “...using 1990 geography”, what we mean is that we applied non-response and population sample unit adjustments based on counts from 1990 geographic entities. This description should not be interpreted to have anything to do with metropolitan area or urban area geographic identifiers in the PUFs.

Items Unique to National and Metro PUFs

The tables below indicates which metropolitan areas are part of the “Big 5” and included in the national PUF, and which metropolitan areas are included on the metropolitan area PUF. The table also indicates which SMSA codes to use in the national or metropolitan PUF in order to extract the cases of individual metropolitan areas. Finally, the table shows the number of cases in each metropolitan area in 2013.

Big 5 Metropolitan Areas within the National PUF*

Name	PUF Code	AHS Metropolitan Area definition	Number of Cases
Chicago	SMSA = 0620, 1600, 3690, 3965, or 9991	Same as 2003 OMB Chicago-Joliet-Naperville, IL-IN-WI Metropolitan Statistical Area, except for the following: Does not include DeKalb County from the Chicago-Naperville-Joliet, IL Metropolitan Division. Does not include Kenosha County, WI from the Lake County-Kenosha County, IL-WI Metropolitan Division. Does not include the Gary, IN Metropolitan Division	4,694
Detroit-Warren-Livonia, MI	SMSA = 2160	Same as the 2003 OMB Detroit-Warren-Livonia, MI Metropolitan Statistical Area and also includes Monroe, MI Metropolitan Statistical Area	4,629
New York	SMSA = 5380, 5600, 992	Includes the following NY counties: Bronx, Kings, Nassau, New York, Orange, Putnam, Queen, Richmond, Rockland, Suffolk	4,814
Northern NJ	SMSA = 0875, 3640, 5015, 5190, 5640, 8480, 9993	Includes the following NJ counties: Bergen, Hudson, Essex, Hunterdon, Morris, Passaic, Sussex, Union	4,770
Philadelphia, PA	SMSA = 6160	Same as Same as 2003 OMB Philadelphia-Camden-Wilmington, PA-NJ-DE-MD Metropolitan Statistical Area, except for the following: Does not include the Wilmington, DE-MD-NJ Metropolitan Division	4,628

Metropolitan Areas in the Metro PUF**

Name	PUF Code	Number of Cases
Austin-Round Rock, TX Metropolitan Statistical Area	SMSA = 0640	4,185
Baltimore-Towson, MD Metropolitan Statistical Area	SMSA = 0720	4,065
Boston-Cambridge-Quincy, MA-NH Metropolitan NECTA	SMSA = 1120	4,025
Hartford-West Hartford-East Hartford, CT Metropolitan NECTA	SMSA = 3280	4,440
Houston-Baytown-Sugar Land, TX Metropolitan Statistical Area	SMSA = 3360	3,613
Jacksonville, FL Metropolitan Statistical Area	SMSA = 3600	4,223
Las Vegas-Paradise, NV Metropolitan Statistical Area	SMSA = 4120	4,121
Louisville, KY-IN Metropolitan Statistical Area	SMSA = 4520	4,197
Miami-Fort Lauderdale-Miami Beach, FL Metropolitan Statistical Area	SMSA = 5000	3,558
Minneapolis-St. Paul-Bloomington, MN-WI Metropolitan Statistical Area	SMSA = 5120	3,990
Nashville-Davidson--Murfreesboro--Franklin, TN Metropolitan Statistical Area	SMSA = 5360	4,166
Oklahoma City, OK Metropolitan Statistical Area	SMSA = 5880	5,061
Orlando, FL Metropolitan Statistical Area	SMSA = 5960	4,129
Richmond, VA Metropolitan Statistical Area	SMSA = 6760	4,242
Rochester, NY Metropolitan Statistical Area	SMSA = 6840	4,726
San Antonio, TX Metropolitan Statistical Area	SMSA = 7240	5,056
Seattle-Tacoma-Bellevue, WA Metropolitan Statistical Area	SMSA = 7600	3,939
Tampa-St. Petersburg-Clearwater, FL Metropolitan Statistical Area	SMSA = 8280	3,814
Tucson, AZ Metropolitan Statistical Area	SMSA = 8520	4,313
Washington-Arlington-Alexandria, DC-VA-MD-WV Metropolitan Statistical Area	SMSA = 8840	3,567

**All metropolitan area definitions are based on 2003 OMB definitions for MSA or NECTA, as noted.