

Census Update (December 2, 2009)

Topics

- 2010 Census
- Geography Issues
- AASHTO CTPP Program
- ACS Data Products
- TAZs
- What's on Your Mind



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2010 Census Day - APRIL 1st

Short Form

Population count

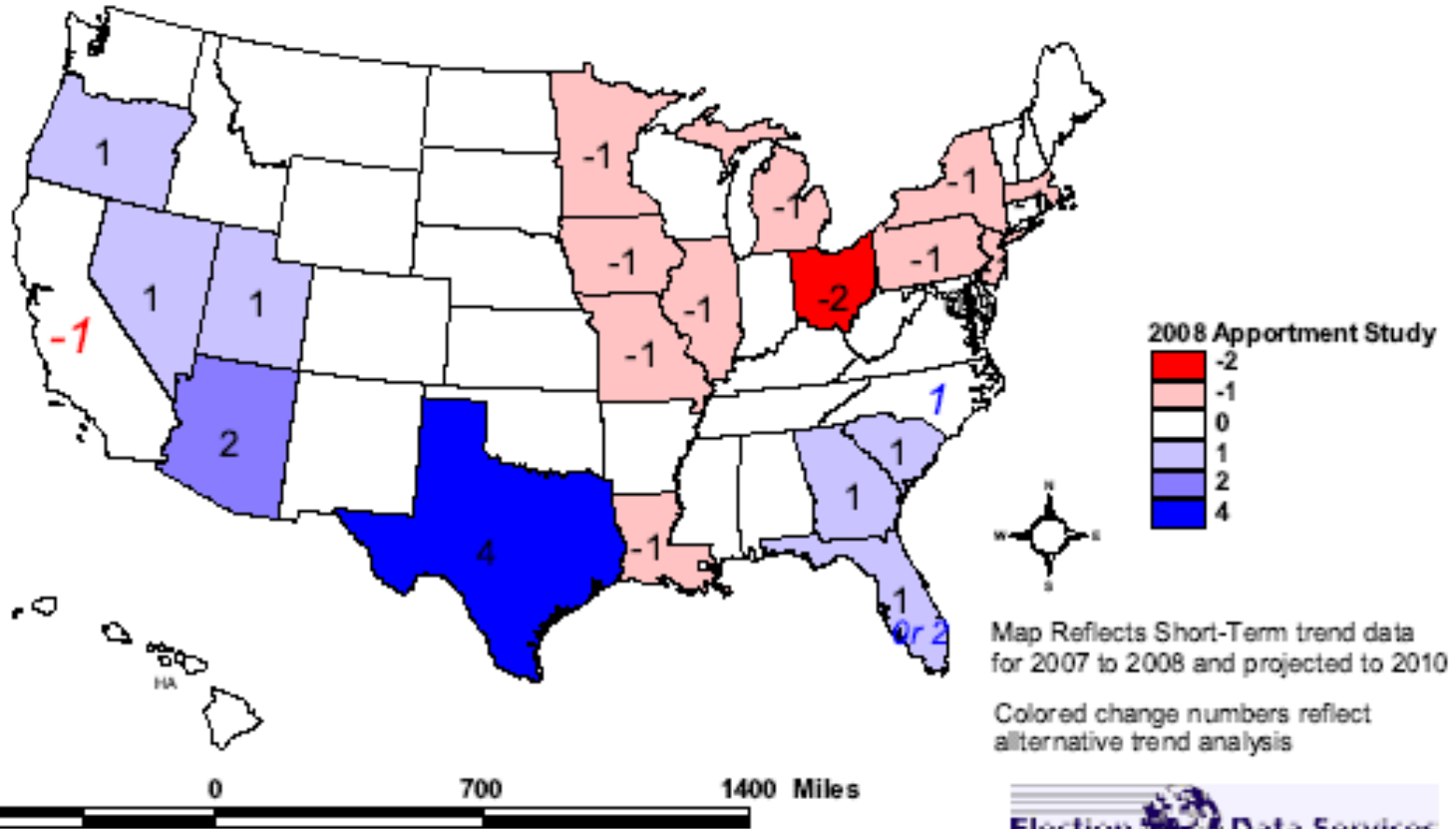
Age, Race, Sex, Owner/Renter



2010 CENSUS: **IT'S IN OUR HANDS**



Change in Congressional Delegation Based on Projected 2010 Apportionment Using 2008 Population Estimates



<http://www.electiondataservices.com>

Geography Issues

- **Metropolitan Statistical Areas (OMB)**
- **PSAP--Tracts and Block Groups (winding down)**
- **PUMAs -- Get on our Radar**
- **Urbanized Boundaries -- More Spring 2010**

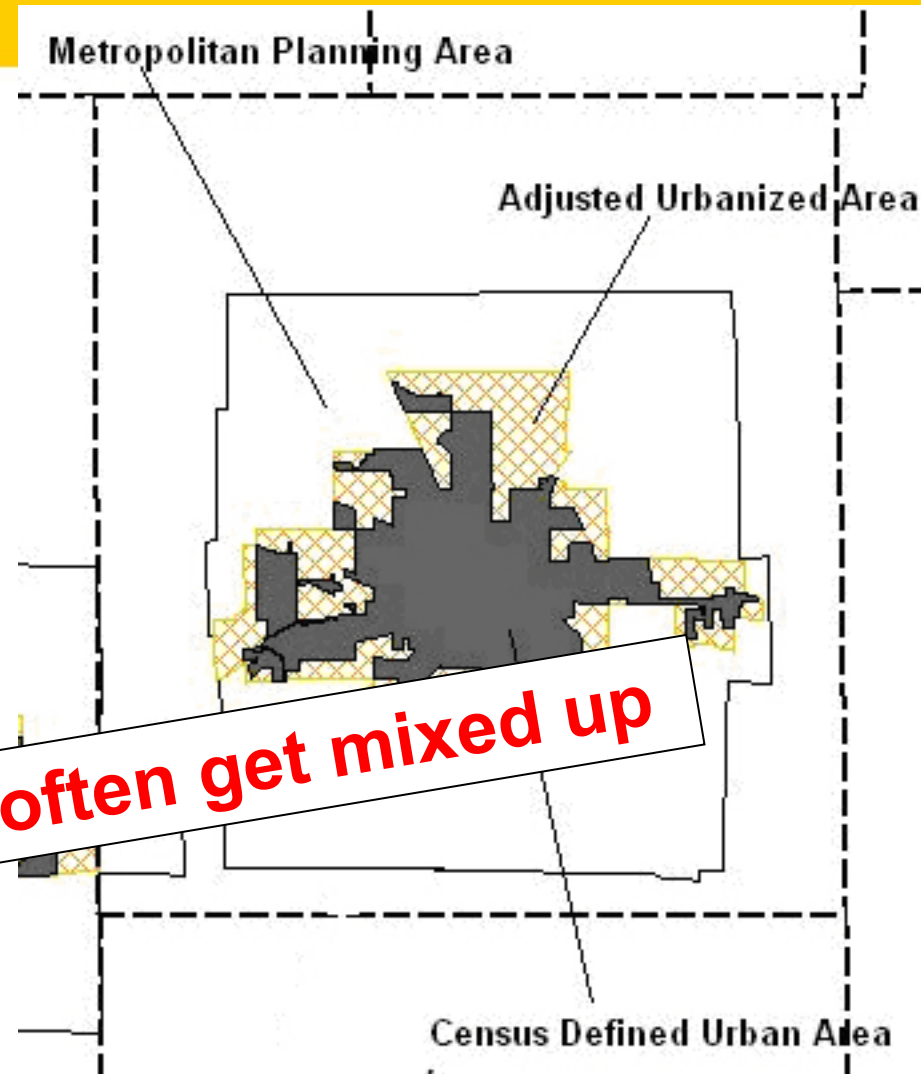
Urban Boundaries

Census Defined Urban Area (UA)

Adjusted Urbanized Area (UZA)

Metropolitan Planning Area (MPA)

The Letters UZA and UA often get mixed up



<http://www.fhwa.dot.gov/planning/census/faq2cdt.htm>

Boundaries - some names people use

**Census Defined Urban Area (UA)
Census Urbanized Area (UZA)**

**Adjusted Urbanized Area (UZA)
Federal Aid Urban Area
FHWA Adjusted Boundary
Adjusted Urban(ized) Area**

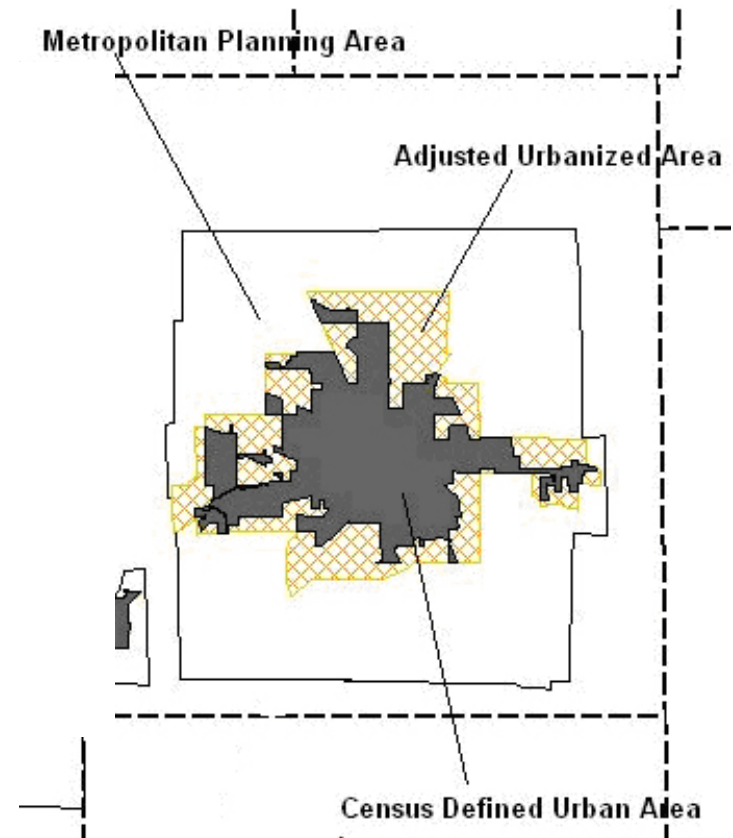
**Metropolitan Planning Area (MPA)
Planning Area
MPO Boundary**

Boundaries - the Important thing

Census Defined Urban Area (UA) - Population + \$\$\$

Adjusted Urbanized Area (UZA) - Functional Class

Metropolitan Planning Area (MPA) - MPO Jurisdiction



<http://www.fhwa.dot.gov/planning/census/faq2cdt.htm>

Census Defined Urban Area (UA)

2000 density based, automated process, identified urban clusters (2,500 pop), ignored place boundaries and built from Census Blocks

2010 Census Bureau still deciding process

Investigating use of place of work data via ACS, reviewing land use covers and **digital elevation maps** and satellite imagery, thinking about using household densities and **building from Census Tracts.**

Look for criteria for defining urbanized areas and clusters in **Spring 2010 in Federal Register**

http://www.edthefed.com/uza/UA_Update.pdf

feb. 2009

Latest Word on UAs

June 12, 2009: Census Plans for Defining Urbanized Areas

<http://fhwa.na3.acrobat.com/p20171907/>

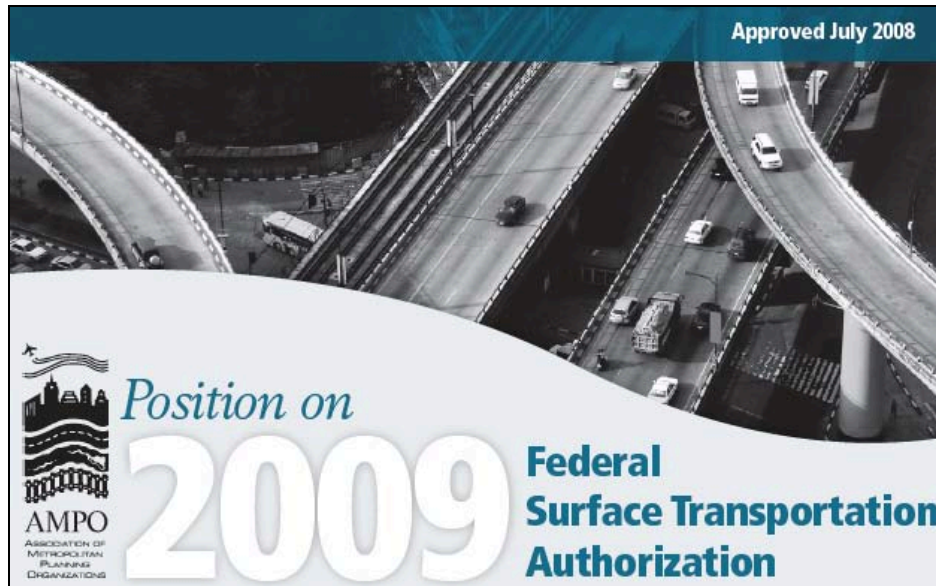
Question and Answers from Webinar

http://www.edthefed.com/articles/Census_Q_and_A_v8.pdf

FHWA CTPP Webinar room

<http://fhwa.acrobat.com/ctpp1>

What's an MPO?



NARC - *Status Quo*

**AASHTO -
*Somewhat Vague***

FHWA - *Internal*

**House - *T+I*
*Committee, HR _____***

Senate -

100K - Threshold

Grandfathering

200K - Project Selection Authority

1 Million+ Special Funding and Requirements

http://www.ampo.org/assets/685_finalampopdfoverviewappro.pdf

AASHTO CTPP Program

- All States + DC
- AASHTO Led
- Oversight Board
- Five Year period
~ 2011 (2012)

Acquire Data and Develop Products	63%
Research, Training and Outreach	21%
Manage Program	3%
Board Discretion	12%
TOTAL	\$5,844,332

***Federal Technical Advisory Group
TRB Subcommittee -- List Serve (830 strong)
Quarterly Newsletter -- Outreach
Several Websites***

AASHTO CTPP Oversight Board (ACOB)

MPOs

Kuo-Ann Chiao, NYMTC
Steven Gayle, BMTS
Mell Henderson, MARC
Arash Mirzaei, NCTCOG
Guy Rousseau, ARC
Clara Reschovsky, MWCOCG
Pete Swensson, TRPC
Vacant

States

Laine Heltebride, PA (Region I)
Nathan Erlbaum, NY (Region I)
Hui Wei Shen, FL (Region II)
Paul Agnello, VA (Region II)
Phillip Mescher, IA (Region III)
Ahmad Jaber, UT (Region IV)
Ayalew Adamu, CA (Region IV)

Chair: Mary Lynn Tischer, VA (Region II)

Vice Chair: Jonette Kreideweis, MN (Region III)

AASHTO Liaison: Penelope Weinberger

17 voting members: 9 states and 8 MPOs

Consensus Decision Making

Ex Officio Members

Ed Christopher, FHWA
Melissa Chiu, Census Bureau
Alison Fields, Census Bureau
Rich Denbow, AMPO
Elaine Murakami, FHWA
Robert Padgett, APTA
Alan Pisarski, Consultant
Steven Polzin, USF. CUTR
Nanda Srinivasan, TRB
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AASHTO CTPP Oversight Board Meetings

August 4th and 5th, 2009

November 12th, 2009




February, 10, 2010

ACS Products -- Standard Census Data

Annual > 65K	3-Year >20K	5-Year
State County Place PUMA	State County Place PUMA UA	State County Place PUMA Tract Block Group

Public Use Microdata Sample (PUMS)

ACS Products -- Standard Census Data

Data Type	Population Size of Area	Data for the Previous Year Released in:						
		2006	2007	2008	2009	2010	2011	2012+
Annual	65,000+							
3-year Period	20,000+							
5-year Period	Tract and Block Group							



ACS Data release concept dates

September

Annual ACS data (65K+ areas) on all variables

Public Use Microdata Sample (PUMS) for Annual areas

October

3-year ACS period estimates

PUMS for 3-year areas

December

5-year ACS period estimates

PUMS for 5-year areas

Items in Italics are
best estimates

Date Release Summary

Sept 22, 2009 1-year ACS (2008 data)

1-year ACS PUMS (2008 data)

Oct 27, 2009 3-year ACS (06, 07, 08 data)

3-year ACS PUMS (06, 07, 08 data)

April 1, 2010 Decennial Census Day

Summer 2010 3-year CTPP (06, 07, 08 data)

Sept. 2010 1-year ACS (2009 data)

Oct. 2010 3-year ACS (07, 08, 09 data)

Dec. 2010 5-year ACS (05, 06, 07, 08, 09 data)

Dec. 31, 2010 POPULATION Count, PL- 94-171 (2010 data)

Jan. 2011 5-year ACS PUMS (05, 06, 07, 08, 09 data)

Mar. 2011 - POPULATION Count, Block Data (2010 data)



About 5-year data

March 6, 2009 Federal Register Notice Sought Comments on Proposed Data Products

www.census.gov/acs/www/Downloads/FedRegNotice_E9-4803.pdf

Census Bureau Slipped in Data Suppression Rules

www.census.gov/acs/www/Downloads/proposal_acs5yearproducts.pdf

Comments from AASHTO, FHWA, MIDOT, KAMPO

<http://www.trbcensus.com/notes.html#FR>

Data Suppression Rules

Rule 1: No Block Group data for unmarried partners, No Block Group data for Group Quarters

Rule 2: No Block Group data for tables with more than 100 cells

Rule 6: No workplace tables for areas with less than 50 workers

Workplace tables will only be available at County and Place level. Not PUMAs either

Data Suppression Rules

What might the impact of the rules be for us?



Rule 7

For the residence and workplace tables where means of transportation (mode) is crossed with one or more other variables, there must be at least three unweighted workers in sample for each transportation mode in a given place for the table to be released. Otherwise the data must be collapsed or suppressed and complementary suppression must be applied. There is no threshold on Univariate tables.

Tract Level Suppression

Table 3: Tract Level Tables Suppressed Due to Rule 7 for ACS Test Counties

Modal Categories	Multnomah ¹	Lake ²	Broward ¹	San Francisco ¹	Bronx ³	Weighted Average
Five	5.3%	19.3%	37.3%	9.7%	33.0%	24.3%
Seven	65.3%	80.7%	84.6%	47.7%	80.3%	73.9%
Eleven	94.1%	96.7%	97.1%	92.1%	95.8%	95.4%
Total Number of Tracts	170	150	279	176	330	1105

Collapsed ACS uses six categories

If 49% of the Tracts are suppressed it only seems to follow that all of the Block Groups will go

When will we hear about 5-year data?

Census Bureau is finalizing 5-year plan

Waiting to hear on two Register
Notices

1. Block Groups on Fact Finder
2. March Notice

CTPP Data Products

CTPP 3-Year Main Product

Summer 2010

2006, 2007, 2008

20,000 People Areas

(County, Place, PUMA)

Actual Flows

<http://trbcensus.com/products/>

The 3-year Product Design

2000 Geography

Nation (US Total)
State
State-County
State-County-MCD
State-Place
State-PUMA
State-POW PUMA
Metropolitan Statistical Area
MSA – EACH Principal City

Product Structure

3-Parts

Part 1- Place of Residence

Part 2- Place of Work

Part 3- Flows between
Home and Work

(Extraction Software)

http://trbcensus.com/products/3-year_ACS/ctpptables-09apr01-rev2.xls

3-year CTPP Product Summary

Highlights	Low Lights
<p>Based on CTPP2000 Tables</p> <p>Many NEW Univariate Tables</p> <p>More Age Tables</p> <p>Streamlined Race Tables</p> <p>More HH and HH Lifecycle Tables</p> <p>More English Proficiency Tables</p> <p>Way more Flows Tables</p>	<p>Incomplete Coverage</p> <p>Rounded</p> <p>Reduced Number of Crosstabs with Mode</p> <ul style="list-style-type: none">-- Travel time-- Household income-- Vehicle availability-- Age-- Time leaving home <p>Tables will have Suppression</p>

3-Year Data Profiles

Mode to Work (Rochester)	CTPP2000			2005-2007 ACS			Is Change Significant?
	Nos.	%	MOE	Nos.	%	MOE	
Total Workers	44,665	100.0	591	50,371	100.0	1,149	Yes
Drove alone	33,940	76.0	579	38,532	76.5	1,222	Yes
Carpooled	4,879	10.9	274	5,951	11.8	796	Yes
Public transportation	1,829	4.1	171	1,987	3.9	367	No
Walked	2,100	4.7	183	1,737	3.4	317	No
Taxi, m-cycle, bike, other	540	1.2	94	705	1.4	296	No
Worked at home	1,380	3.1	149	1,459	2.9	294	No

- Uses 2005-2007 ACS
- Compares to 2000
- Focused on Transportation
- Includes Significance Tests

http://ctpp.transportation.org/profiles_2005-2007/ctpp_profiles.html

CTPP 5-year data product



CTPP 5-Year Main Product

Fall 2012

2006, 07, 08, 09, 2010

Small Areas

(Tract, TAZ, Block Group)

New TAZs

Synthetic Data and Flows

“NEW” TAZs Traffic Analysis Zones

- Developed in Summer 2011
- TAZs will nest with TADs
- GIS equivalency process
- Funded under Consolidated Purchase

TAZ Traffic Analysis Zone	Traditional Size
TAD Traffic Analysis District	20,000 population

*Subcommittee working on TAZs
Guy Rousseau-chairing*

<http://trbcensus.com/notes/ACSTAZs.pdf>

Building the 5-year data

Key product to the whole CTPP effort

Hinges on some key research

NCHRP Project 8-79 (\$550K)

*Producing Transportation Data Products
from the American Community Survey
that Comply with Disclosure Rules*

Contractor selected Nov 2009

<http://www.trb.org/TRBNet/ProjectDisplay.asp?ProjectID=2708>

Emerging Issues

Livability and performance measures

Light Rail Conundrum

Bad Urbanized Area data

What is on your mind?

<http://www.dot.gov/ctpp>

<http://www.TRBcensus.com>



For a free copy of these slides go to

<http://www.edthefed.com/presentations/CTPP12-02-2009.ppt>