

Still Special After All These Years; A Custom Tabulation for Transportation

Penelope Weinberger, AASHTO

I Am A Rock - What is the Census Transportation Planning Products (CTPP) Program?



- The most recent CTPP tab is a large custom tabulation of ACS data
 - 197 tables
 - Over 70 variables
 - 17 levels of geography
 - 350,000 individual geographies
- CTPP is an AASHTO sponsored program funded by state transportation agencies
- Operates with support from FHWA, RITA, FTA, Census Bureau, MPOs and TRB
- The program includes:
 - Data products
 - Training and technical assistance
 - Research
- Designed by and for the transportation community
- Started in 1970 with custom tabs based on the Journey to Work question

50 Ways to Use Your Data



- Purpose:
 - Help (transportation planners) understand characteristics about where people live and work, and their commuting patterns and modes
- Most used for validating travel models
- Also:
 - Performance measurement
 - Modal share analysis
 - Equity analysis
 - FTA New Starts/Small Starts
 - Policy Impact Analysis
 - Livability analysis
 - Corridor planning
 - Air quality modeling
 - Trend analysis
 - Descriptive statistics
 - Travel forecasting
 - Title IV
 - Factoring/Adjusting surveys

Slip Sliding Away

If this person worked last week, answer questions P28 and P29.

↓

P28. What city and county did he work in last week?
If he worked in more than one city or county, give place where he worked most last week.

a. City or town

b. If city or town—Did he work inside the city limits? { Yes..
No..

c. County State

↓

P29. How did he get to work last week?
(Check one box for principal means used last week)

Railroad	<input type="checkbox"/>	Taxicab	<input type="checkbox"/>	Walk only	<input type="checkbox"/>
Subway or elevated	<input type="checkbox"/>	Private auto or car pool	<input type="checkbox"/>	Worked at home	<input type="checkbox"/>
Bus or streetcar	<input type="checkbox"/>	Other means—Write in:			

When Numbers Get Serious - Specifying a Custom Tabulation



- Deciding what we need
 - Tables, Geography
 - What do Planners Need?
- Logistics
 - Getting in the Queue
- Contracting
 - MOA, IAA, TMA,
- The Disclosure Review Board

American Community Survey (ACS)

About the Survey

Respond to the Survey

News & Updates

Data

Data Tables & Tools

Data via FTP

Summary File Data

PUMS Data

Variance Replicate
Tables

Race/Ethnicity and
American Indian &
Alaska Native Data

Custom Tables

Request a Custom Table

Guidance for Data Users

Geography & ACS

Technical
Documentation

Methodology

Library

Operations and
Administration

Contact Us



Custom Tables



Before considering the purchase of a custom tabulation, we encourage you to look at the wide variety of American Community Survey data products already available on the [American Factfinder website](#).



For more experienced data users, the [Public Use Microdata Sample File](#) might be right for you. The PUMS file allows you to create tabulations using confidentiality-protected person and housing unit records. Public Use Microdata Areas, or [PUMAs](#), are the lowest level of geography available in the PUMS file.

Request a Custom Tabulation

If your data needs cannot be met with the data sources discussed above, you can [request a custom tabulation](#).

[REQUEST FORM](#)

Please keep in mind:

- Census Bureau staff will contact you within 3-5 business days after you submit the request form to discuss your request before starting work.
- The **minimum cost** of a custom tabulation is **\$3000** (and it is often much more).

Bridge Over Troubled Water

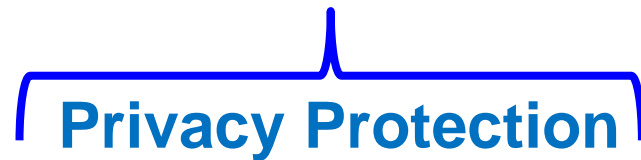
NCHRP Web Report 180 (\$550K)

**Producing Transportation Data Products from
the ACS that Comply With Disclosure Rules**

5-year CTPP will have two types of tables

Tables that passed Census Rules

Tables with Perturbation done to them

**Privacy Protection**

http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_w180.pdf

A56					
A202100					
	A	B	C	D	E
1	Tabulations -- Part 2, Workplace Tables				
2	KEEP at all Geo				30
3	CTPP Table Number	Content	Universe	# of Cells	
4	A202101	Age of Worker (10)	Workers 16 years and over	10	
5	A202102	Class of worker (9)	Workers 16 years and over	9	
6	A202105	Means of Transportation (18)	Workers 16 years and over	18	
7	A202111	Sex (3)	Workers 16 years and over	3	
8	A202112	Time arriving (41)	Workers 16 years and over	41	
9	A202204	Hispanic origin (3) by Race (5)	Workers 16 years and over	15	
10	A202205	Industry (15) by Earnings in the past 12 months (2016\$) (11)	Workers 16 years and over	165	
11	A202208	Minority Status (3) by Earnings in the past 12 months (2016\$) (11)	Workers 16 years and over	33	
12	A202212	Occupation (25) by Industry (15)	Workers 16 years and over	375	
13	A202214	Industry (15) by Time arriving (17)	Workers 16 years and over	255	
14	A202215	Linguistic Isolation (3) by Language spoken at home(12)	Workers 16 years and over in households	36	
	A202200	Household income in the past 12 months (2016\$) (9) by	Workers 16 years and over	00	

I Know What I Know - Research, Making the data better, Limitations of small area data



- A Guidebook for using American Community Survey Data for Transportation Planning (NCHRP Report 588)
- Assessing the Utility of the CTPP based on ACS 2006 – 2010
- Custom Geographies and Standard geographies
- NCHRP 08-123 [Pending] Census Transportation Data Field Guide for Transportation Applications

Keep the Customer Satisfied- Disseminating the Data



- Data Delivery
 - Current tab
 - 10 Gigabyte flat file
 - Web-based Data Access Software
- Software development
 - Has followed the special tabs
 - 1970, 1980, 1990, 2000, 2006 – 2008 ACS, 2006 – 2010 ACS
 - From tapes to disks to the internet

You Can Call Me, AI

Penelope Weinberger

Census Transportation Planning
Products Program Manager

AASHTO

Ctpp.transportation.org

202-624-3556