



CTPP DATA
**ASSESSMENT &
EVALUATION**

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WHAT IS CTPP?

- Census Transportation Planning Products
 - Special tabulation designed for transportation planning
 - Based on American Community Survey (ACS) data
 - Aggregation of 2006-2010 data collection
- Produced since 1970, most recent full package – Census 2000 based
- 3-year CTPP based on ACS 2006-2008 previously released for geographies of 20,000 residents or more (no TAZ level tabulations)



At what location did this person work LAST WEEK? *If this person worked at more than one location, print where he or she worked most last week.*

a. Address (Number and street name)

If the exact address is not known, give a description of the location such as the building name or the nearest street or intersection.

b. Name of city, town, or post office

c. Is the work location inside the limits of that city or town?

- Yes
 No, outside the city/town limits

d. Name of county

e. Name of U.S. state or foreign country

f. ZIP Code

How did this person usually get to work LAST WEEK? *If this person usually used more than one method of transportation during the trip, mark (X) the box of the one used for most of the distance.*

- | | |
|---|---|
| <input type="checkbox"/> Car, truck, or van | <input type="checkbox"/> Motorcycle |
| <input type="checkbox"/> Bus or trolley bus | <input type="checkbox"/> Bicycle |
| <input type="checkbox"/> Streetcar or trolley car | <input type="checkbox"/> Walked |
| <input type="checkbox"/> Subway or elevated | <input type="checkbox"/> Worked at home → <i>SKIP to question 39a</i> |
| <input type="checkbox"/> Railroad | <input type="checkbox"/> Other method |
| <input type="checkbox"/> Ferryboat | |
| <input type="checkbox"/> Taxicab | |

RELEVANT QUESTIONS ON ACS FORM

How many people, including this person, usually rode to work in the car, truck, or van LAST WEEK?

Person(s)

What time did this person usually leave home to go to work LAST WEEK?

Hour : Minute a.m.
 p.m.

How many minutes did it usually take this person to get from home to work LAST WEEK?

Minutes

Other relevant items

- Class of Worker
- Occupation
- Industry
- Household Size
- Household Income
- Vehicles Available
- Workers in Household
- Arrival Time at Work

(calculated from departure time & travel time)



DIFFERENCES BETWEEN CTPP AND STANDARD ACS IN AFF

- CTPP has journey-to-work flow data
 - ACS in American FactFinder (AFF) does not
- CTPP has workplace tables for Census Transportation Analysis Zone (TAZ) & Tracts
 - ACS in AFF only has county & place level workplace based tables
- CTPP has many more transportation specific tables
- CTPP has customized geographies including TAZ and Transportation Analysis Districts (TAD)



UNANTICIPATED DELAY IN DATA RELEASE

- Workplace TAZ loss
 - TAZs with zero residents were not delivered from Census to AASHTO
 - Slight delay in initial release
 - Census has rerun the small area data to incorporate missing workers
- UPDATED DATA IS IMMINENT
 - Will be available on website in software very soon
 - Already available on FTP site as part of flat files



CTPP DATA ACCESS

- <http://ctpp.transportation.org>
 - Access data
 - Data documentation
 - On-line training available
- Download flat files by state from FTP
 - Contains 'read in' file information
 - Does not include flows in from other states



DIFFERENCES AND CHALLENGES

- A tables and B tables
 - A: direct from ACS micro-data, with rounding & thresholds applied
 - B: parametric modeling, variance within 10% of orig.
- TAZs are not exact to TPB TAZs
 - 71% of Census TAZs match TPB TAZs
- TADs – Districts are aggregations of TAZs
 - Larger geography has more statistical reliability
 - Less compatible with model



DATA FOR THE WASHINGTON REGION

RESIDENTS	CTPP 2006-2010 based on ACS	Cooperative Forecast, Round 8.2
TPB Modeled Region	6.5 million	6.6 million people
TPB Members Region	4.9 million	5 million people

Really Close!

Not as Close, due to definitional differences.

WORKERS	CTPP 2006-2010 based on ACS	Cooperative Forecast, Round 8.2
TPB Modeled Region	3.7 million workers	4 million jobs
TPB Members Region	2.8 million workers	3.1 million jobs



EFFECTS OF STANDARD DISCLOSURE PROOFING

Workers at Work	Part 2	Part 3	Difference
District of Columbia	754,615	754,650	-35
Montgomery County	472,175	472,179	-4
Prince George's County	326,705	326,684	21
Arlington County	180,695	180,684	11
City of Alexandria	94,700	94,723	-23
Fairfax County/Cities	618,960	618,923	37
Loudoun County	127,915	127,890	25
Prince William County/Cities	145,740	145,693	47
Frederick County	103,110	103,129	-19
Charles County	40,885	40,883	2



EFFECTS OF GEOCODING AND ALLOCATION

Jurisdiction	Total Workers at Work By County	Total Workers at Work by (summed) TAZ	Difference
District of Columbia	754,615	753,180	-1,435
Montgomery County	472,175	471,985	-190
Prince George's County	326,705	326,080	-625
Arlington County	180,695	180,525	-170
City of Alexandria	94,700	94,690	-10
Fairfax County	574,070	573,850	-220
City of Falls Church	10,085	10,070	-15
Fairfax City	34,805	34,700	-105
Loudoun County	127,915	127,870	-45
Prince William County	120,000	119,765	-235
City of Manassas	22,875	22,875	0
City of Manassas Park	2,865	2,865	0
Frederick County	103,110	103,020	-90

Jurisdiction	Total Workers at Work By County	Total Workers at Work by (summed) TAZ	Difference
Charles County	40,885	40,805	-80
Howard County	146,970	146,950	-20
Anne Arundel County	253,660	253,315	-345
Carroll County	55,120	55,135	15
Calvert County	23,575	23,575	0
St. Mary's County	45,895	14,265	-31,630
King George County	12,705	7,481	-5,224
City of Fredericksburg	23,515	23,525	10
Stafford County	36,465	36,460	-5
Spotsylvania County	31,320	31,324	4
Fauquier County	23,660	23,665	5
Clarke County	4,700	1,505	-3,195
Jefferson County	18,345	4,239	-14,106

NEXT STEPS

- Check TAZ-level data for reasonableness
- Check characteristics for reasonableness
 - Means of Transportation
 - Household Income
 - Vehicle Availability
 - Class of Worker
- Determine suitability for use in model validation

