

North Dakota

LEGENDARY

Economic Development by the Numbers

A source for data and statistical information to assist in promoting your community, county and state.

October—November 2015

Feature: Census Transportation Planning Products

The Census Transportation Planning Products (CTPP) web site was designed to help transportation analysts and planners understand where people are commuting to and from, and how they get there. Their software is powerful enough to access the nearly 350 gigs of data provided to them by the Census Bureau. This includes almost 200 residence-based tables, 115 workplace-based tables and 39 flow tables (home to work) for over 325,000 geographies. This is a product of the American Association of State Highway and Transportation Officials. There are currently two data sets available: 3-year (2006-2008) and 5-year (2006-2010) ACS data.

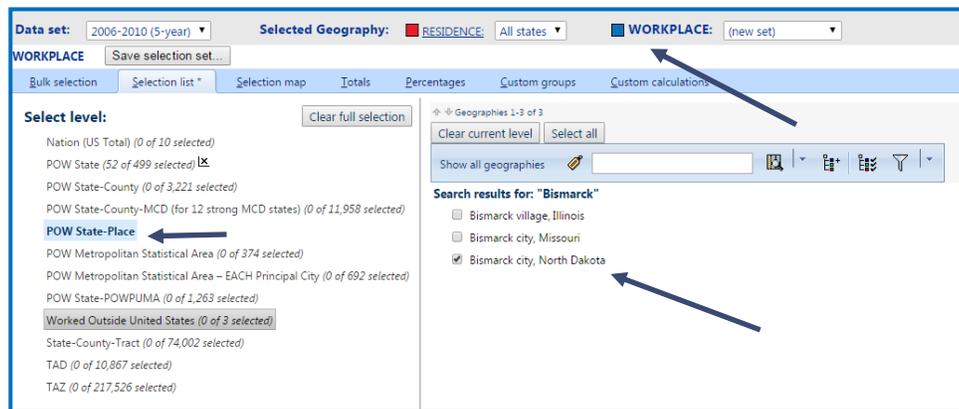
Featured Web Site: <http://ctpp.transportation.org/Pages/5-Year-Data.aspx>

Information in this database is organized to show where workers live and work as well as the flow (travel) between the two. The results of your data queries can be viewed as a table, chart or map. While the most current data set includes 2006-2010, other data sets can be added in the future.

There is a detailed tutorial available on the web site that explains the site's features. (Check out “**Take me to the software Tutorial**” later.) Today I will just provide a short sample to demonstrate one of its many uses. First, while you can access data without signing in, you will need to sign in if you want to save your selections. You can register either before starting to use the software or when you reach the point for the first opportunity to save.



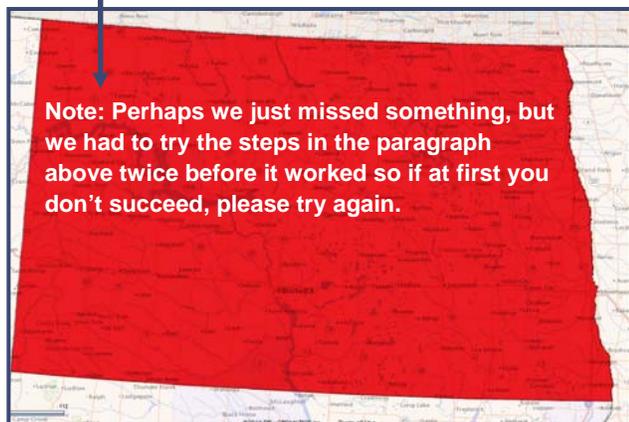
To begin, select **TAKE ME TO THE DATA**. You can sign in or register to sign in on the right-hand side of the page. I've already created an account so my page shows as “Welcome (sign in to save)”, but your page should contain a link to register your profile.



Now, let's say we want to determine which counties are homes for commuters who work in Bismarck. We need to click on the **WORKPLACE** link (click right on the text “Work-place”). Then under **Select Level**, click on **POW State-Place**. Next, type **BISMARCK** in the search box and press **ENTER**. The options for Bismarck appear below. Place a checkmark next to **Bismarck city, ND**.

If you did not sign in at the beginning, you have another opportunity to do so at this point. If you signed in, you can save your selection by clicking on **Save selection set**. (This button does not display if you have not signed in.) You will then be given the opportunity to name your selection. This will then be displayed next to the **WORKPLACE** box at the top of the page.

Next we want to select counties in which people who work in Bismarck may live. To do so, click on the **RESIDENCE** link and select **State-County** as your level. The selection defaults to all states so click on the **Clear Current Level** button. Search for “North Dakota” and click on **Select All**. Then click on **Selection Map**. It may take a few seconds for the map to appear. North Dakota’s counties should appear red as shown below. Save the Selection Set and name it something like **All Counties**.



There are three categories of tables in the system: **Part 1** tables about where people live (Residence), **Part 2** tables about where they work (Workplace) and **Part 3** tables with data about travel between the two (Flows). We are going to look for data about those that travel by car in **Part 3** so click on the **SHOW CTPP TABLES** button on the right-hand side of the screen. Enter “car” and press **ENTER**. Then, select the table **A302103 Means of Transportation (18) Workers 16 years and over** under **Part 3**. Make sure the Flow drop-down list displays as **State-County-> POW State Place**.

The resulting table should look something like the example below. Obviously the bulk of the workforce comes from Burleigh county, but it’s interesting to see the numbers from other counties as well.

The table can be customized to your liking. For instance, they’ve made it easy to remove columns. Notice the gray box that says “*Drag dimension here so they do not show as a row or column in table*”? Just grab a column or row and drop it into that gray area if you don’t want it to appear on your table. You might, for instance, want to remove the workplace column since it says the same thing all the way down (Bismarck city, North Dakota).

Data set: 2006-2010 (5-year) Selected Geography: RESIDENCE: All Counties WORKPLACE: Bismarck

View as: Table Chart Map

A302103 - Means of transportation (18) (Workers 16 years and over)
 Current date: 11/30/2015 5:50:30 PM (Eastern Standard Time)
 U.S. Census Bureau, American Community Survey 2006-2010 Five-year estimates. Special Tabulation: Census Transportation Planning

FLOW: State-County -> POW State-Place

Rows 1-53 of 53 Columns 1-36 of 36

Measures: Workers 16 and Over Drag dimensions here so they do not show as a row or column in table

Means of Transportation 18		Total means of transportation		Car, truck, or van -- Drove alone		Car, truck, or van -- In a 2-person carpool		Car, t
Output		Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	
RESIDENCE	WORKPLACE	↑ ↓ ▢	↑ ↓ ▢	↑ ↓ ▢	↑ ↓ ▢	↑ ↓ ▢	↑ ↓ ▢	
Adams County, North Dakot...	Bismarck city, North Dako...	4	4	4	4	0		93
Barnes County, North Dako...	Bismarck city, North Dako...	10	18	10	18	0		93
Benson County, North Dako...	Bismarck city, North Dako...							
Billings County, North Da...	Bismarck city, North Dako...	4	3	4	3	0		93
Bottineau County, North D...	Bismarck city, North Dako...	4	10	4	10	0		93
Bowman County, North Dako...	Bismarck city, North Dako...							
Burke County, North Dakot...	Bismarck city, North Dako...	4	3	4	3	0		93
Burleigh County, North Da...	Bismarck city, North Dako...	35,140	815	29,495	820	2,705		367
Cass County, North Dakota	Bismarck city, North Dako...	110	61	75	49	4		93
Cavalier County, North Da...	Bismarck city, North Dako...	4	3	4	3	0		93
Dickey County, North Dako...	Bismarck city, North Dako...	20	33	20	33	0		93
Divide County, North Dako...	Bismarck city, North Dako...							