

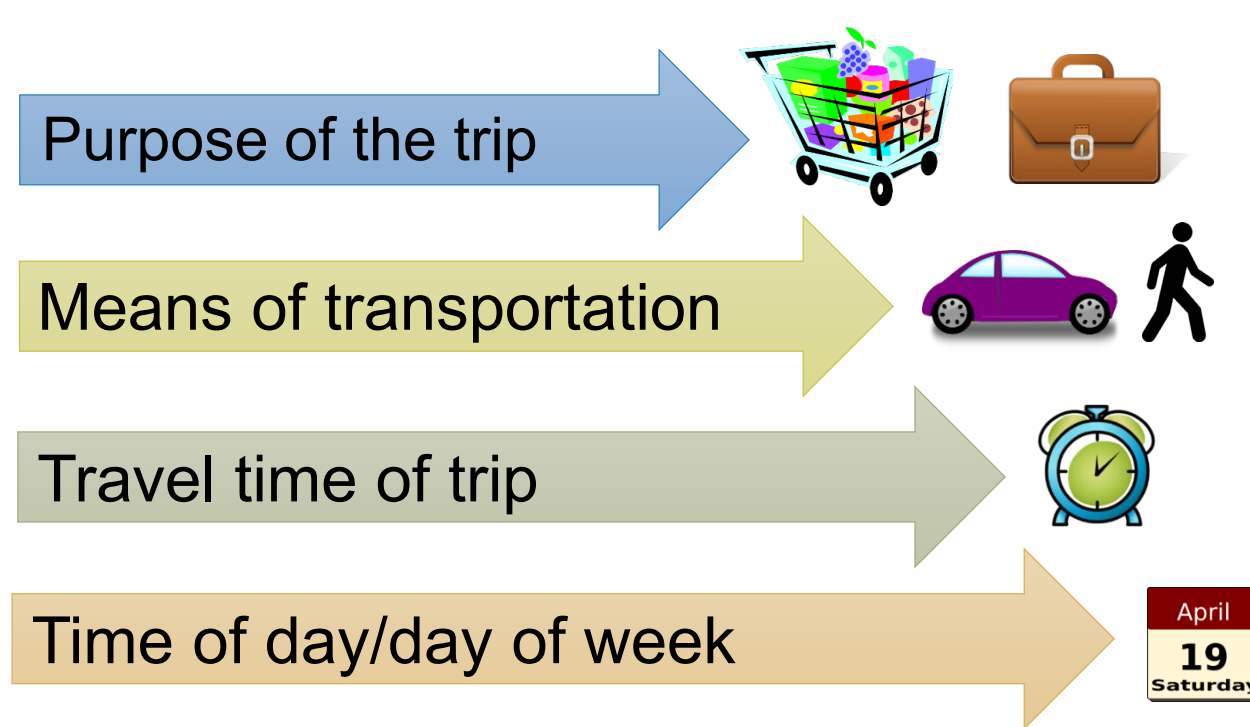
National Household Travel Survey: Past, Present and Future

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What is the NHTS?

The National Household Travel Survey (NHTS) is a periodic national survey providing travel and transportation pattern data to transport planners and policy makers in the United States.

- 2017 NHTS:**
- Nation's daily travel inventory.
 - Surveying 129,112 households.
 - Daily trips/household over 24-hour period.

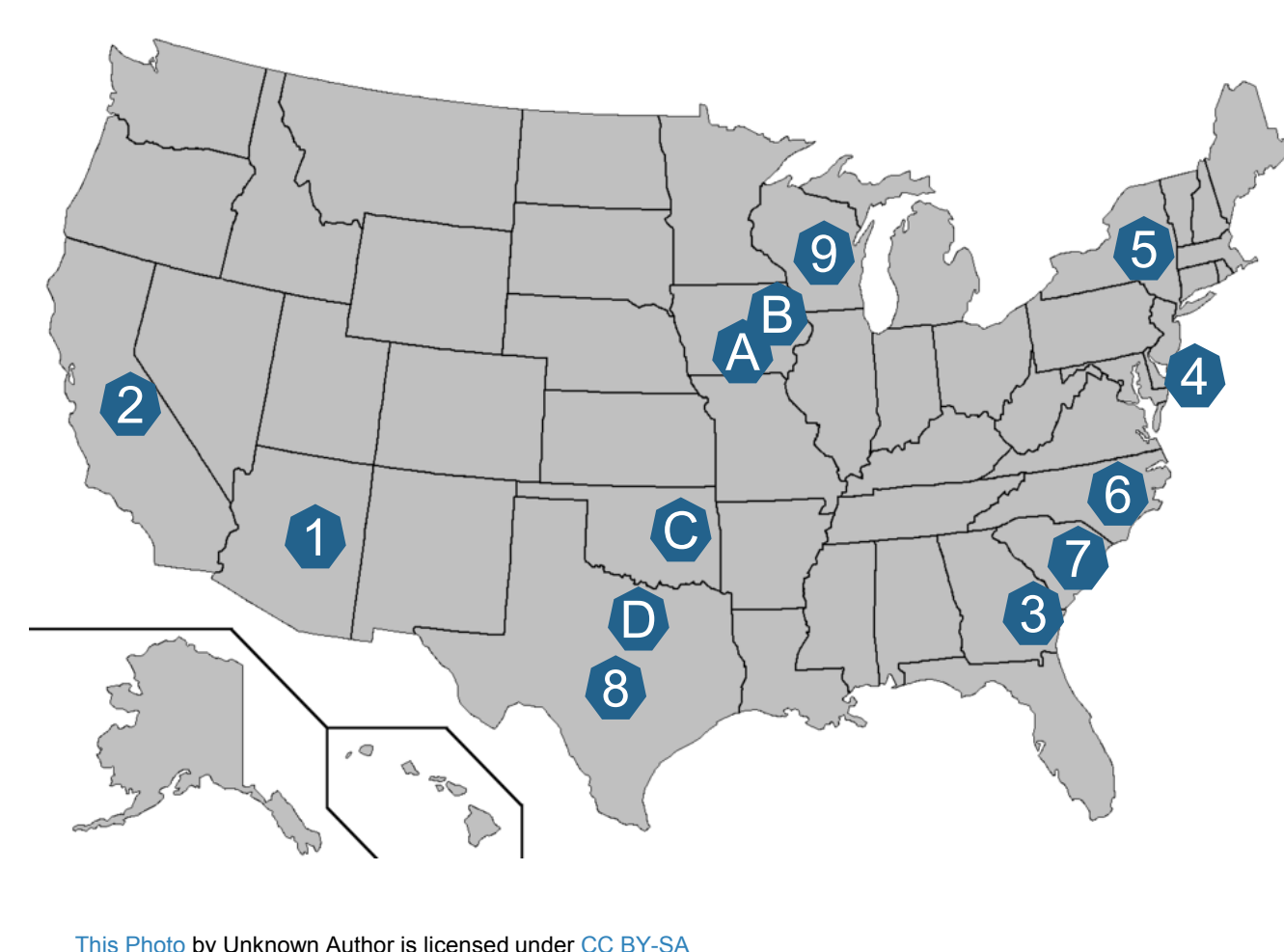


Analyzed for trips, modes, purposes, trip lengths, and geographic areas including urban and rural areas.

Previous Surveys:
 1969, 1977, 1983, 1990, 1995, 2001, and 2009.

What is the Add-on Program?

Since 1990, each NHTS survey has included a Pooled Fund option that enables state and regional transportation agencies to "add-on" to the number of surveys conducted in their region. In the 2017 NHTS, there were 13 add-on partners: 9 State DOTs and 4 MPOs.



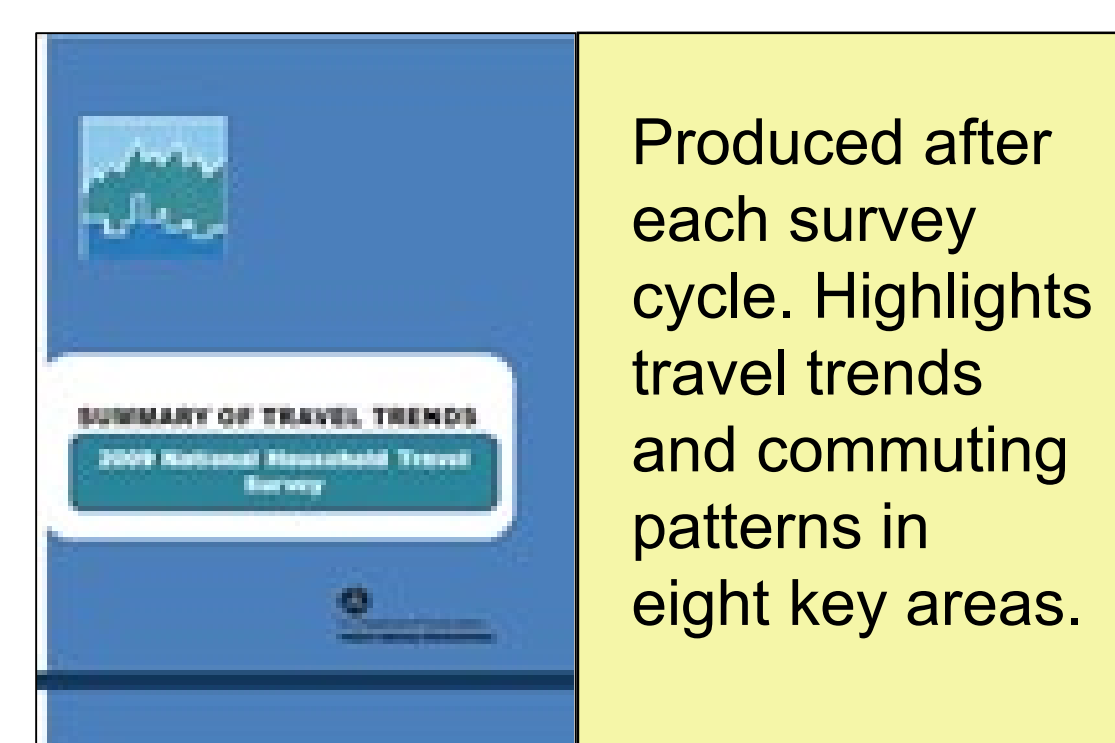
2017 NHTS Pooled Fund Partner	Add-on Surveys
(1) Arizona DOT	2,444
(2) California DOT	24,000
(3) Georgia DOT	8,000
(4) Maryland SHA	1,000
(5) New York State DOT	15,851
(6) North Carolina DOT	8,000
(7) South Carolina DOT	6,500
(8) Texas DOT	20,000
(9) Wisconsin DOT	11,000
(A) Des Moines MPO	1,200
(B) Waterloo MPO	1,200
(C) Tulsa MPO	1,000
(D) North Central TX COG	2,917

How do Add-ons use the Data?

TOPICS:



Summary of Travel Trends Report



Produced after each survey cycle. Highlights travel trends and commuting patterns in eight key areas.

Table 3: Summary of Travel Statistics
 1969, 1977, 1983, 1990 and 1995 NPTS and 2001 and 2009 NHTS

	1969	1977	1983	1990	1995	2001	2009	% Chg.
Per Person								
Daily Person Trips	2.02	2.92	2.99	3.76	4.30	3.74	3.78	0.03
Daily PMT	19.51	25.95	25.05	34.91	38.67	36.89	36.13	1.35
Per Driver								
Daily Vehicle Trips	2.32	2.34	2.36	3.26	3.57	3.35	3.02	0.03
Daily VMT	20.64	19.49	18.68	28.49	32.14	32.73	28.97	0.71
Per Household								
Daily Person Trips	6.38	7.69	7.20	8.94	10.49	8.86	9.50	0.09
Daily PMT	61.65	69.27	62.47	83.05	94.41	95.34	90.42	3.38
Daily Vehicle Trips	3.83	3.95	4.07	5.69	6.36	5.95	5.66	0.06
Daily VMT	34.01	32.97	32.16	49.76	57.25	58.05	54.38	1.34
Per Trip								
Average person trip length (miles)	9.67	8.87	8.88	9.47	9.13	10.04	9.75	0.36
Average vehicle trip length (miles)	8.89	8.34	7.90	8.85	9.06	9.87	9.72	0.22

Trends have been adjusted as needed due to changes in methods over time.

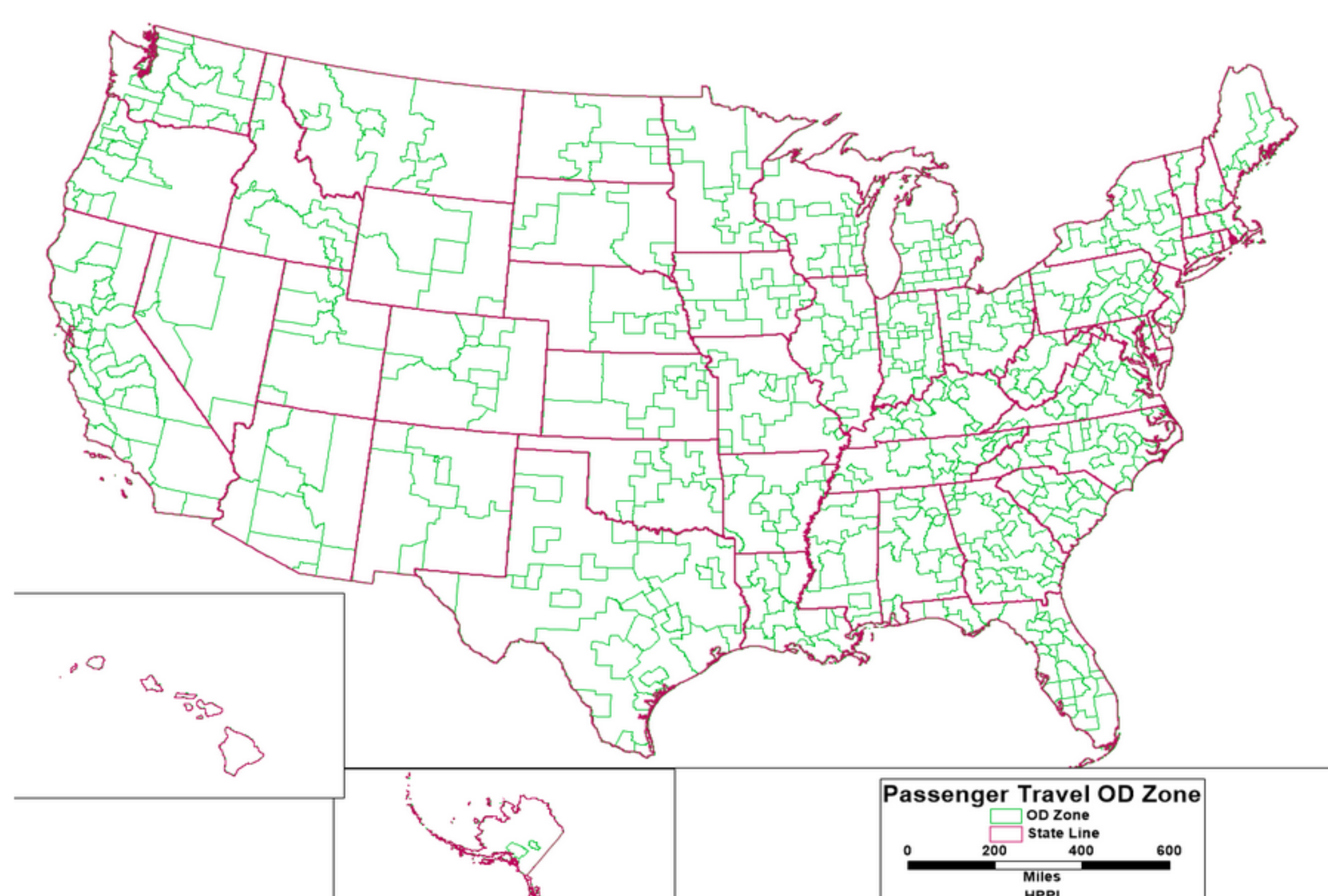
What is the NextGen NHTS?

Recognizing the challenges and opportunities in collecting travel behavior data, FHWA is launching a continuous travel behavior monitoring program. The NextGen NHTS will include two national components: core data and passive OD data. Data will be collected/compiled in 2020, 2022, and 2024.

Core survey data: Core data will be collected through a biennial survey effort. The survey will be smaller (~7,500 HH nationally + add-on surveys), include fewer questions than prior NHTS, and provide annualized travel estimates.

Passive OD data: new data product that will summarize passive OD data collected from various sources. The resulting data product will document OD flows at the MSA level, with temporal resolution at the annual and monthly levels.

Figure 1 – Planned Passenger Travel Origin Destination Zone Illustration.



What is the NextGen Pooled Fund?

Continuing the longstanding NHTS add-on tradition, agencies have the option of joining the NextGen NHTS pooled fund study. The NextGen NHTS has three add-on opportunities:

1. Technical Advisory Group – deeper understanding of best practices and input into final product design/details.
2. Core data add-on – additional surveys and six region-specific questions
3. Passive OD data add-on – finer geographic and temporal granularity.

NextGen NHTS pooled fund partners can join and leave the pooled fund based on their data needs (for example, one agency might join for the 2022 data cycle only while another agency might join for 2020-2024 data cycles).

DOTs		MPOs	Other
Arizona	Oklahoma	Atlanta	AAA
Georgia	Oregon	Washington DC	Foundation for Traffic Safety
Michigan	South Carolina		
New York	Tennessee		
North Carolina	Virginia		
Ohio			

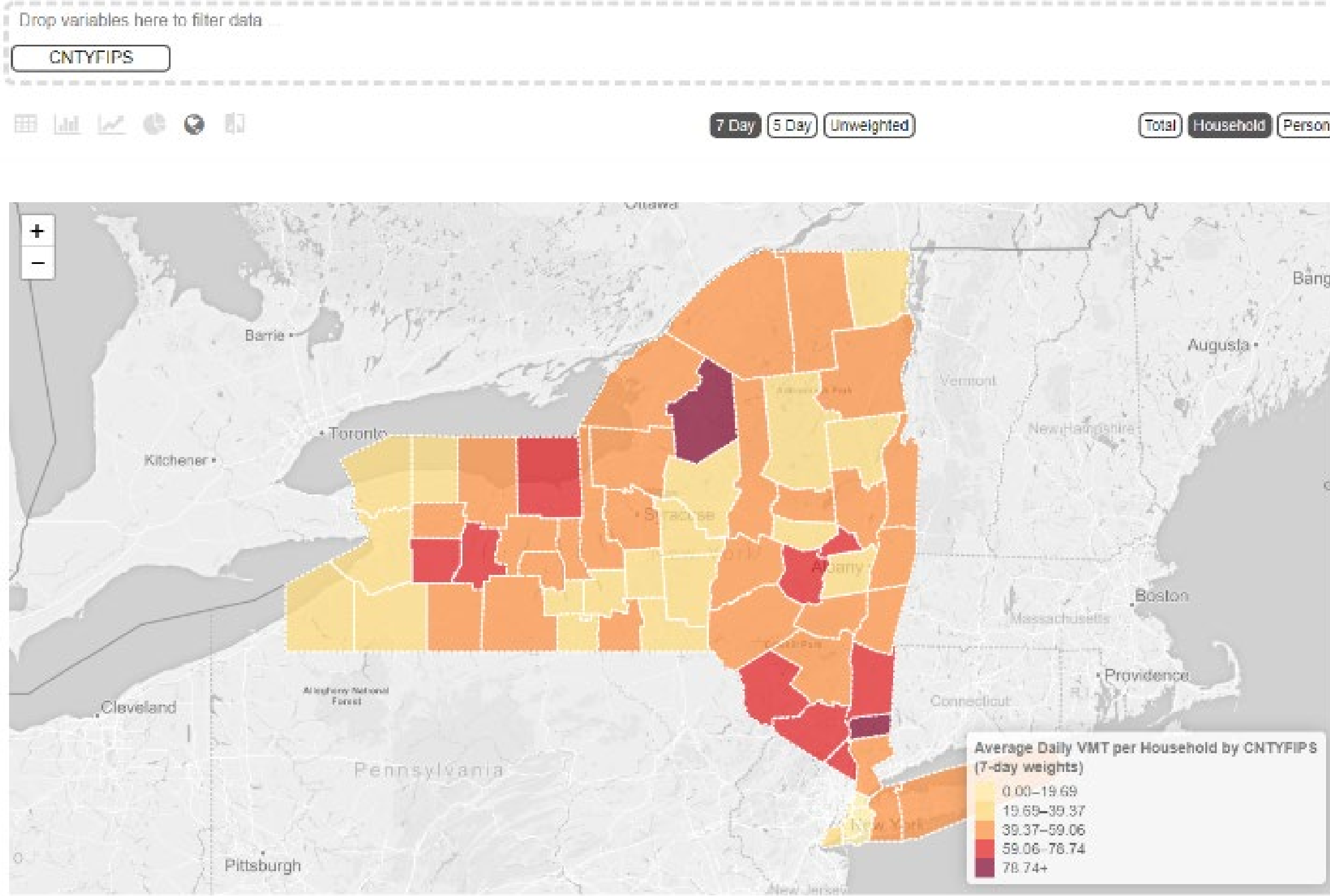
What tools are anticipated?

- Online web-based tools that do not require special software now available at www.nhts.ornl.gov

Explore NHTS Data - 2017 Table Designer or Use the [Classic View](#)
 Check Out the [Online Codebook Browser](#)

Coming soon:

- Data Extraction Tool with "drag and drop" features
- Advanced Analytics features
- Visualization options to include tables, charts, and maps



What's next?

FUTURE ACTIVITIES

- Contracting process underway – two contracts anticipated (one for each NextGen NHTS component).
- Once contractors are on-board, FHWA will convene the Technical Advisory Group to review, discuss, and finalize approaches.
- **Core survey:** collect 2020 data
- **Passive OD:** compile 2020 data
- Finalize and release data products, then generate documentation, reports, and updated tools.
- Review and evaluate 2020 data products and adjust approach as needed for 2022 data cycle.

Acknowledgements

- 2017 NHTS funding by FHWA, 9 State DOTs and 4 MPOs through Pooled Fund Project TPF-5(304).
- NextGen NHTS funding by FHWA, 11 State DOTs, 2 MPOs, and 1 non-profit organization through Pooled Fund Project TPF-5(398).
- For more details about the NHTS, visit <http://nhts.ornl.gov>.
- For Passenger Travel OD Zone files, see <https://www.fhwa.dot.gov/policyinformation/analysisframework/04.cfm>