Highlights of Travel in New York State

1995 National Personal Transportation Survey
New York State Add-on
National Personal Transportation Survey
New York State component

The National Personal Transportation Survey (NPTS) is the nation's inventory of daily personal travel. It provides the data needed to quantify and analyze current travel and to study travel in the context of the demographics of the traveler and the modal travel choices available. It is the only authoritative source of national data on the amount and nature of daily personal travel in the US. and how travel has changed over time. The NPTS collects data on daily travel for:

- all trips
- by all modes
- for all purposes
- in urban and rural areas

Survey data were collected from a sample of US. households. All household members age 5 or older were eligible to be interviewed. New York State enhanced the national survey by 10,000 additional households within the State to provide detailed metropolitan statistical area (MSA) summarization. Therefore, population numbers in this presentation represent New York State's resident population over 5 years of age. These data are expanded to provide annual estimates of trips and miles for travel by mode, purpose, time of day, day of week, and a host of other characteristics that are used by transportation planners and others concerned with mobility and the social, economic and environmental impacts of transportation.

The following are some selected measures of daily travel in New York State and its urbanized areas.

Statewide demographic characteristics

- **Persons***
  - Statewide: 16,806,988
    - Male: 8,135,143
    - Female: 8,671,845
  
- **Drivers**
  - Statewide: 10,469,256**
    - Male: 5,513,627
    - Female: 4,955,629

- **Workers**
  - Statewide: 8,774,636
    - Male: 4,702,897
    - Female: 4,071,739

*Persons five years of age or older
**Based on NPTS survey responses not on NYSDMV Licenses on File
**Household vehicles**

- Total number of households: 6,131,995
- HH vehicles available for use: 7,921,590
- HH with 0 vehicles: 1,620,266
- HH with 1 vehicle: 2,011,280
- HH with 2 or more vehicles: 2,500,449
- Vehicles per HH: 1.29

![Graph showing the distribution of vehicles per household and number of household members.](image-url)
Daily vehicle trips by household composition

- Households statewide: 6,131,995
  - Single adult: 2,006,550
  - Two plus adults: 4,125,445

### Single adult household

- Household composition: No Child, Child < 6, Child 6-15, Child 16-21, Retired
- Vehicle trips per day: Single Occupant Trips, Multi-Occupant Trips

### Two plus adult households

- Household composition: No Child, Child < 6, Child 6-15, Child 16-21, Retired
- Vehicle trips per day: Single Occupant Trips, Multi-Occupant Trips
Percent daily vehicle trips by household composition

Vehicle occupancy by household composition
Daily household vehicle trips and vehicle miles by purpose

Average Vehicle Trips per Household

- Work
- Shop / Per. Bus.
- School/Church
- Soc. / Rec.
- Other
- Unreported
- All Purposes

Vehicle Miles of Travel per Household

- Work
- Shop / Per. Bus.
- School/Church
- Soc. / Rec.
- Other
- Unreported
- All Purposes

Vehicle trips per driver by time of day

Weekday
7,753,219,207

- 6-9am 16.7%
- 9am-1pm 25.2%
- 4-7pm 22.2%
- 1-4pm 21.4%
- 7-10pm 9.1%
- 10pm-1am 3.2%
- 1-6am 2.1%
- NR 0.1%

Weekend
3,269,227,325

- 6-9am 2.0%
- 9am-1pm 80.4%
- 4-7pm 5.4%
- 1-4pm 5.6%
- 10pm-1am 1.7%
- 7-10pm 4.4%
- 1-6am 0.4%
- NR 0.1%
Average vehicle occupancy by trip destination purpose
NYS average 1.50 persons per vehicle

Average vehicle occupancy by vehicle type
NYS average 1.50 persons per vehicle
Vehicle miles of travel by destination purpose

NYS total 95,570,844,623

Vehicle miles of travel by vehicle type

NYS total 95,570,844,623
## Person trips

Average daily person trips by mode and trip purpose

<table>
<thead>
<tr>
<th>Mode</th>
<th>Trips per person</th>
</tr>
</thead>
<tbody>
<tr>
<td>Statewide</td>
<td>3.88</td>
</tr>
<tr>
<td>Private vehicle</td>
<td>2.61</td>
</tr>
<tr>
<td>Auto, Van Driver</td>
<td>1.52</td>
</tr>
<tr>
<td>Auto, Van Passenger</td>
<td>0.72</td>
</tr>
<tr>
<td>Sport Utility</td>
<td>0.18</td>
</tr>
<tr>
<td>Pickup</td>
<td>0.17</td>
</tr>
<tr>
<td>Other</td>
<td>0.02</td>
</tr>
<tr>
<td>Public Transit</td>
<td>0.36</td>
</tr>
<tr>
<td>Bus</td>
<td>0.16</td>
</tr>
<tr>
<td>Rail</td>
<td>0.20</td>
</tr>
<tr>
<td>Other</td>
<td>0.74</td>
</tr>
<tr>
<td>Taxi</td>
<td>0.04</td>
</tr>
<tr>
<td>Bike</td>
<td>0.03</td>
</tr>
<tr>
<td>Walk</td>
<td>0.57</td>
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<tr>
<td>School Bus</td>
<td>0.09</td>
</tr>
<tr>
<td>Other</td>
<td>0.01</td>
</tr>
<tr>
<td>Unknown</td>
<td>0.17</td>
</tr>
</tbody>
</table>

### Trip purpose

<table>
<thead>
<tr>
<th>Trip purpose</th>
<th>Trips per person</th>
</tr>
</thead>
<tbody>
<tr>
<td>Statewide</td>
<td>3.88</td>
</tr>
<tr>
<td>Go to Work</td>
<td>0.35</td>
</tr>
<tr>
<td>Work Related</td>
<td>0.09</td>
</tr>
<tr>
<td>Return To Work</td>
<td>0.06</td>
</tr>
<tr>
<td>Shopping</td>
<td>0.54</td>
</tr>
<tr>
<td>School</td>
<td>0.13</td>
</tr>
<tr>
<td>Religion</td>
<td>0.07</td>
</tr>
<tr>
<td>Health</td>
<td>0.04</td>
</tr>
<tr>
<td>Other Fam/PB</td>
<td>0.38</td>
</tr>
<tr>
<td>Give Ride</td>
<td>0.23</td>
</tr>
<tr>
<td>Vacation</td>
<td>0.01</td>
</tr>
<tr>
<td>Visit Someone</td>
<td>0.22</td>
</tr>
<tr>
<td>Eat Out</td>
<td>0.16</td>
</tr>
<tr>
<td>Other Soc/Rec</td>
<td>0.25</td>
</tr>
<tr>
<td>Other</td>
<td>0.00</td>
</tr>
<tr>
<td>Go Home</td>
<td>1.35</td>
</tr>
<tr>
<td>Unknown</td>
<td>0.00</td>
</tr>
</tbody>
</table>

### Age cohort

<table>
<thead>
<tr>
<th>Age</th>
<th>All Days</th>
<th>Weekdays</th>
<th>Weekend</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-15</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16-19</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20-29</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30-39</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>40-49</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>50-59</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>60-64</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>65+</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

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*Note: The diagrams show the distribution of person trips by mode and trip purpose, as well as age cohorts.*
Average daily person trips per person by age, season and purpose

- **Average Daily Person Trips per person**
  - All Days: 3.88
    - Males: 3.93
    - Females: 3.84
  - Weekdays: 3.75
    - Males: 3.76
    - Females: 3.75
  - Weekends: 4.24
    - Males: 4.39
    - Females: 4.10
  - < age 65: 3.96
  - > age 65: 3.29

**Day of the week**

**Weekday**

- Sun: 3.75
- Mon: 3.76
- Tue: 3.77
- Wed: 3.75
- Thu: 3.78
- Fri: 3.77
- Sat: 3.75

**Weekend**

- Sun: 4.24
- Mon: 4.39
- Tue: 4.24
- Wed: 4.25
- Thu: 4.28
- Fri: 4.24
- Sat: 4.24

**Season**

- Private: Winter: 3.00, Spring: 3.20, Summer: 3.40, Fall: 3.60
- Public Transit: Winter: 1.00, Spring: 1.20, Summer: 1.40, Fall: 1.60
- Other: Winter: 0.50, Spring: 0.70, Summer: 0.90, Fall: 1.10
- All Modes: Winter: 3.88, Spring: 4.08, Summer: 4.28, Fall: 4.48

**Purpose**

- Work: Sun: 0.50, Mon: 0.50, Tue: 0.50, Wed: 0.50, Thu: 0.50, Fri: 0.50, Sat: 0.50
- Shop/Per. Bus.: Sun: 1.00, Mon: 1.00, Tue: 1.00, Wed: 1.00, Thu: 1.00, Fri: 1.00, Sat: 1.00
- School / Church: Sun: 0.50, Mon: 0.50, Tue: 0.50, Wed: 0.50, Thu: 0.50, Fri: 0.50, Sat: 0.50
- Soc / Rec.: Sun: 0.50, Mon: 0.50, Tue: 0.50, Wed: 0.50, Thu: 0.50, Fri: 0.50, Sat: 0.50
- Other: Sun: 0.50, Mon: 0.50, Tue: 0.50, Wed: 0.50, Thu: 0.50, Fri: 0.50, Sat: 0.50
Percent person-trips by purpose

Total person trips 23,810,001,000

Percent person-trips by mode

Personal Vehicle (67.0%)
Average person trip length by purpose
NYS mean 7.74

Average person trip length by mode
NYS mean 7.74
Average daily person trip length and miles of travel by day of week

**Personal miles of travel**
Statewide average 28.86

- **Sun**: 20 miles
- **Mon**: 15 miles
- **Tue**: 25 miles
- **Wed**: 20 miles
- **Thu**: 25 miles
- **Fri**: 25 miles
- **Sat**: 30 miles

**Average person trip length**
Statewide average 7.74

- **Sun**: 8 miles
- **Mon**: 8 miles
- **Tue**: 8 miles
- **Wed**: 8 miles
- **Thu**: 8 miles
- **Fri**: 8 miles
- **Sat**: 8 miles

**Average person trip length by trip purpose**

- **Work**: 10 miles (Daily), 12 miles (Weekday), 15 miles (Weekend)
- **Shop / Per. Bus.**: 5 miles (Daily), 7 miles (Weekday), 10 miles (Weekend)
- **School/Church**: 3 miles (Daily), 5 miles (Weekday), 8 miles (Weekend)
- **Soc. / Rec.**: 10 miles (Daily), 12 miles (Weekday), 15 miles (Weekend)
- **Other**: 15 miles (Daily), 17 miles (Weekday), 20 miles (Weekend)
- **All Purposes**: 20 miles (Daily), 22 miles (Weekday), 25 miles (Weekend)

**Person miles of travel by trip purpose**

- **Work**: 2 miles (Daily), 4 miles (Weekday), 6 miles (Weekend)
- **Shop / Per. Bus.**: 1 mile (Daily), 2 miles (Weekday), 3 miles (Weekend)
- **School/Church**: 0.5 miles (Daily), 1 mile (Weekday), 1.5 miles (Weekend)
- **Soc. / Rec.**: 5 miles (Daily), 7 miles (Weekday), 9 miles (Weekend)
- **Other**: 15 miles (Daily), 17 miles (Weekday), 19 miles (Weekend)
- **All Purposes**: 30 miles (Daily), 32 miles (Weekday), 34 miles (Weekend)
Person miles of travel by trip destination purpose

NYS total 177,072,479,265

Person miles of travel by mode

NYS total 177,072,479,265
Journey-to-work

Summary statistics on journey-to-work and work-related travel

- Persons (000) 16,807
- Workers (000) 8,775
  - % Male 53.6
  - % Female 46.4
- Workers per person 0.52
- Workers per household 1.43
- Workers per vehicle 1.11
- Average time to work (minutes) 27.25
- Average speed to work (m/p/h) 28.83
- Journey-to-work
  - Person trips (000,000) 4,199
  - Vehicle trips (000,000) 2,606
  - Average trip length (miles) 11.29
  - VMT (000,000) 30,820
- Work-related
  - Person trips (000,000) 522
  - Vehicle trips (000,000) 335
  - VMT (000,000) 4,538

Workers by location
Statewide 8,774,636

- @Work location 91.9%
- Work@Home 5.1%
- No Fixed place 2.5%
- Not reported 0.5%

Workers by usual mode to work
Statewide number of workers 8,774,636

- Private Vehicle 59.8%
- Public Transit 22.7%
- Walk 10.1%
- Other 1.7%
- Mode unknown 5.7%

Average trip length

- Private Vehicle
- Public Vehicle
- Mode unknown
- Other
- Walk

Miles

0 5 10 15
Journey-to-work person trips

Trips by mode and gender

Male
2,393,389,575
POV-Driver 65.8%
POV-Passenger 5.3%
Public Transit 18.2%
Not reported 2.8%
Walk 5.4%
Other 2.5%

Female
1,805,991,781
POV-Driver 57.2%
POV-Passenger 9.4%
Public Transit 20.3%
Not reported 2.7%
Walk 7.6%
Other 2.8%

Average commute trip distance

Mode
Auto
Other
Truck
Bus

Average commute travel time

Mode
Auto
Other
Truck
Bus

In MSA  Not in MSA  All
Journey-to-work travel speed

Travel speed by mode
NYS average 28.83 mph

Average commute time by mode
NYS average 27.25 minutes

Average commute speed
NYS average 28.83 mph
Number of households and J-T-W person trips by household income

### Households by income
Total households 6,131,995

- **< $10,000**
- **$10 - $19,999**
- **$20-$29,999**
- **$30-$39,999**
- **$40-$49,999**
- **$50-$59,999**
- **$60-$69,999**
- **$70-$79,999**
- **$80,000+**
- **Not reported**

### Journey-to-work person trips by income
Total j-t-w person trips 4,199,381,356

- **< $10,000**
- **$10 - $19,999**
- **$20-$29,999**
- **$30-$39,999**
- **$40-$49,999**
- **$50-$59,999**
- **$60-$69,999**
- **$70-$79,999**
- **$80,000+**
- **Not reported**
Percent person trips by urban area
NYS total person trips 23,810,001,000

NY metropolitan area
New York City
Nassau County
Putnam County
Rockland County
Suffolk County
Westchester County

Large urban areas
Albany
Buffalo
Rochester
Syracuse

Small urban areas
Binghamton
Elmira
Glens Falls
Ithaca
Newburgh
Poughkeepsie
Utica-Rome

Percent person miles of travel by urban area
NYS total person miles of travel 177,072,479,265

NY metropolitan area
New York City
Nassau County
Putnam County
Rockland County
Suffolk County
Westchester County

Large urban areas
Albany
Buffalo
Rochester
Syracuse

Small urban areas
Binghamton
Elmira
Glens Falls
Ithaca
Newburgh
Poughkeepsie
Utica-Rome

NYC metro area
Large urban areas
Small urban areas
Remainder of state
Percent vehicle trips by urban area
NYS total vehicle trips 11,022,755,468

NY metropolitan area
New York City
Nassau County
Putnam County
Rockland County
Suffolk County
Westchester County

Large urban areas
Albany
Buffalo
Rochester
Syracuse

Small urban areas
Binghamton
Elmira
Glens Falls
Ithaca
Newburgh
Poughkeepsie
Utica-Rome

Percent vehicle miles traveled by urban area
NYS total vehicle miles 95,570,844,623

NY metropolitan area
New York City
Nassau County
Putnam County
Rockland County
Suffolk County
Westchester County

Large urban areas
Albany
Buffalo
Rochester
Syracuse

Small urban areas
Binghamton
Elmira
Glens Falls
Ithaca
Newburgh
Poughkeepsie
Utica-Rome