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# **2007/2008 Household Travel Survey**

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**Presentation of Findings on Walk and Bike Travel  
to  
TPB Travel Forecasting Subcommittee**

**By**

**Clara Reschovsky**

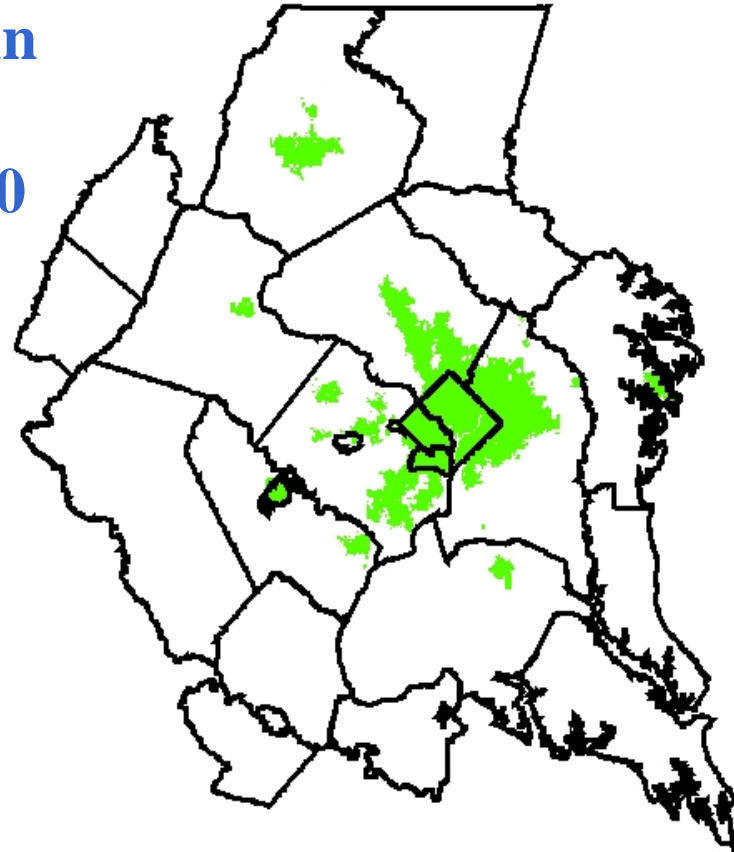
**National Capital Region Transportation Planning Board  
Metropolitan Washington Council of Governments**

**May 22, 2009**

# Sampling Plan

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- **11,000 Randomly Selected Households in TPB Region and adjacent areas (+3,500 Baltimore Region Samples)**
- **Ensure a sufficient number of samples in higher density, mixed use urban areas and Regional Activity Centers**
- **Address-based Sample**



# Survey Interviewing

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- **14-Months of Interviewing**
- **Interviews Conducted Between February, 2007 and March 2008.**
- **Data Collected**
  - 11,578 Household Records
  - 25,515 Person Records
  - 16,678 Vehicle Records
  - 132,383 Trip Records

# Edit Checks

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- **Walk Trips**

- Check trips > 3 miles and speeds > 6MPH

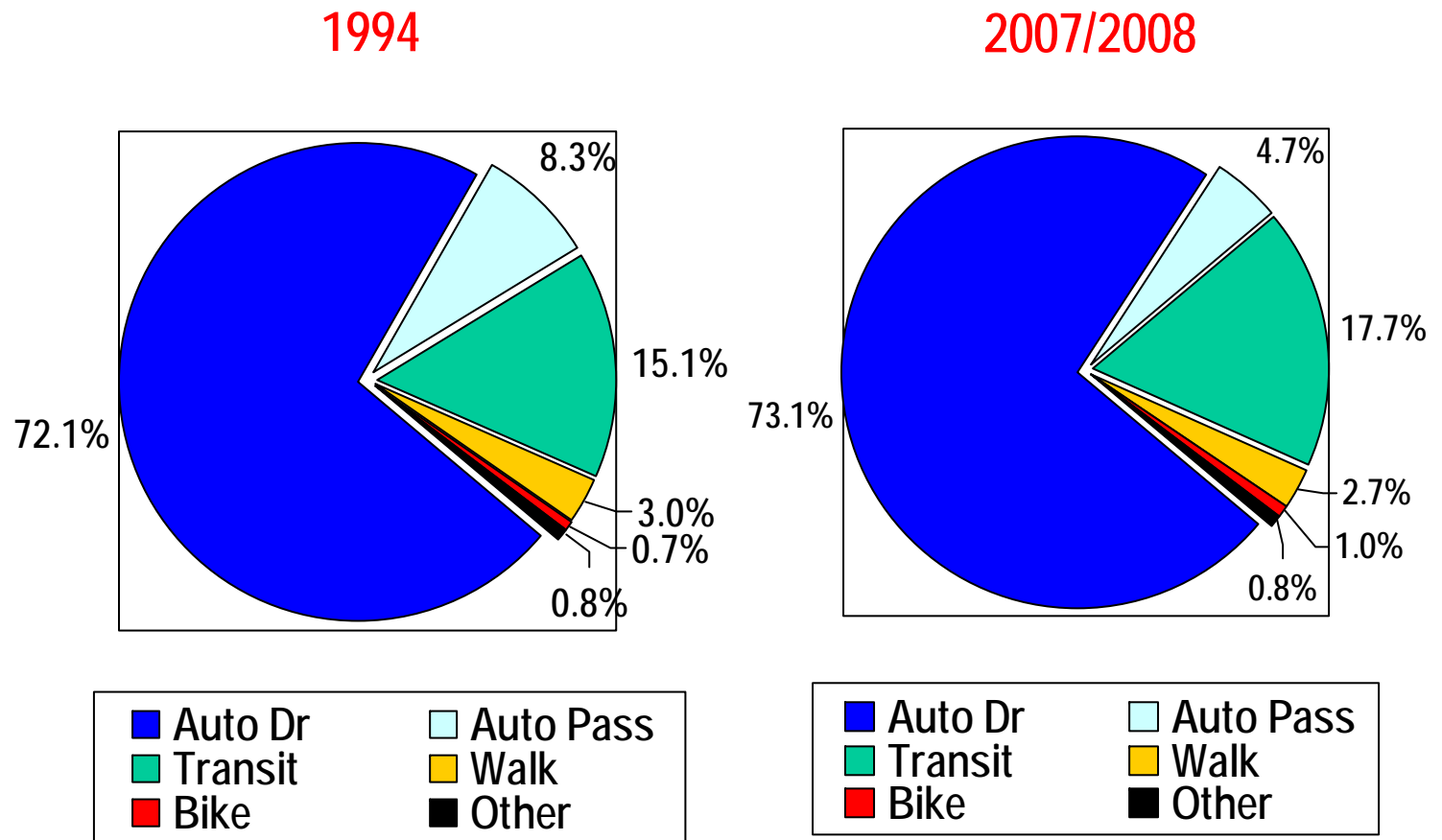
- **Bike Trips**

- Check trips longer than 17 miles and shorter than .4 miles

- Check trips with average speed over 15 MPH

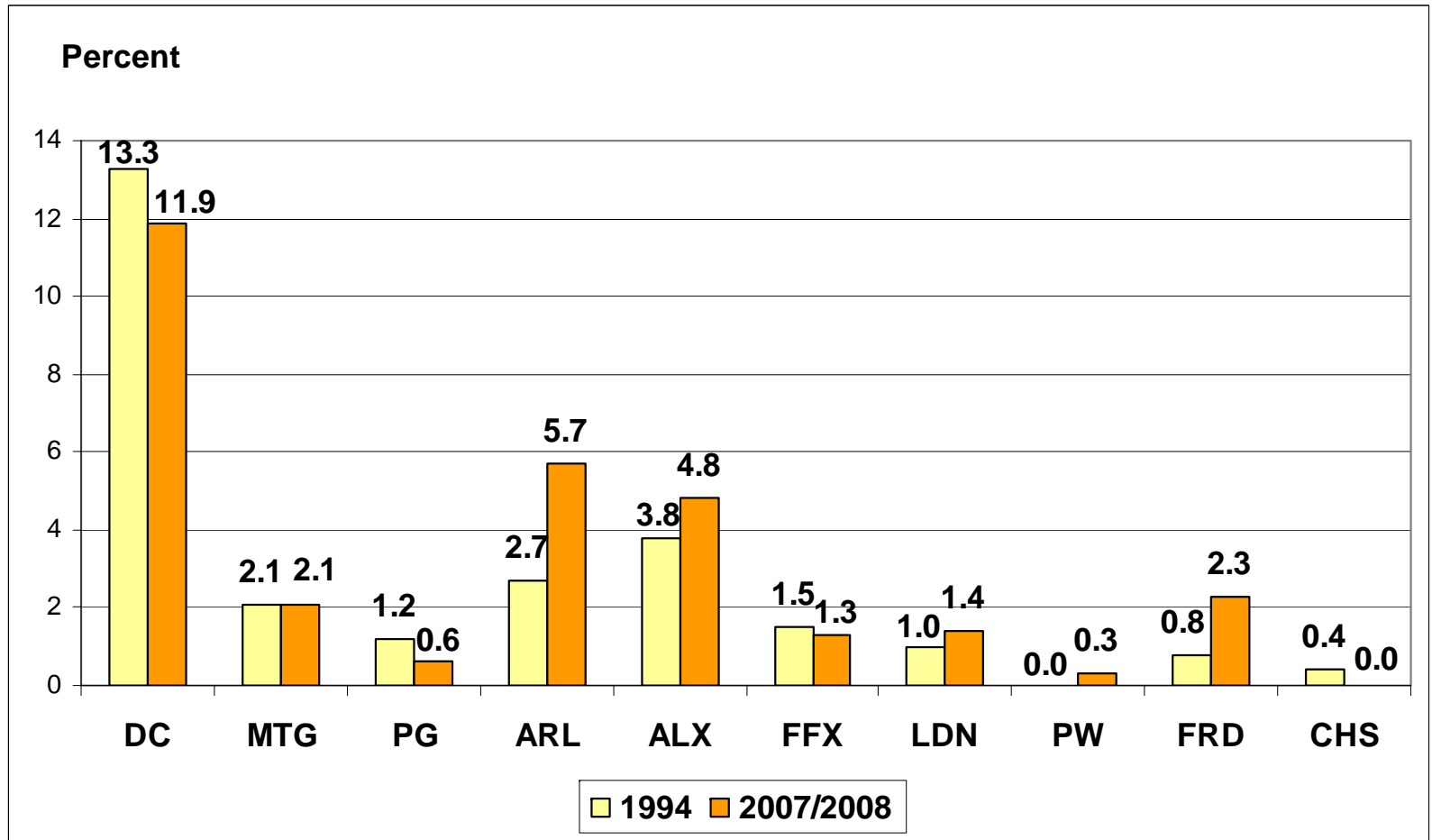
- **Short bike trips attributable to trip chaining**

# Change in Commuting Modal Shares (1994-2007/2008)



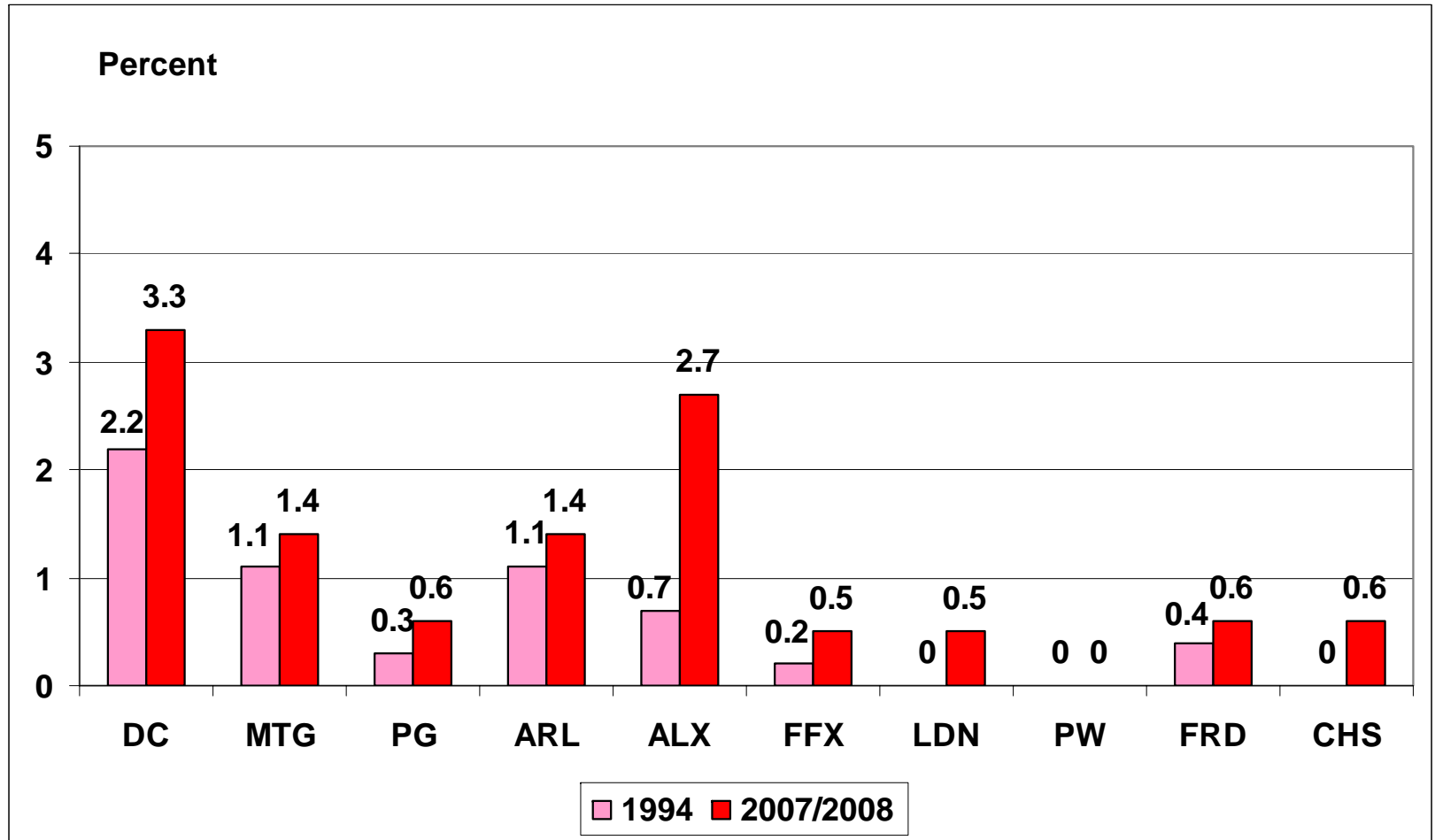
Source: 1994 and 2007/2008 TPB Household Travel Survey

# Walk Commuting Share by Jurisdiction of Residence (1994 – 2007/2008)



Source: 1994 and 2007/2008 TPB Household Travel Survey

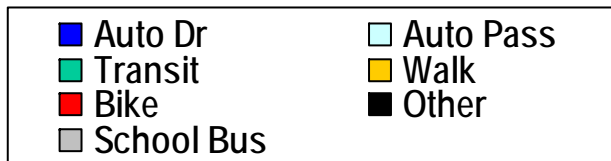
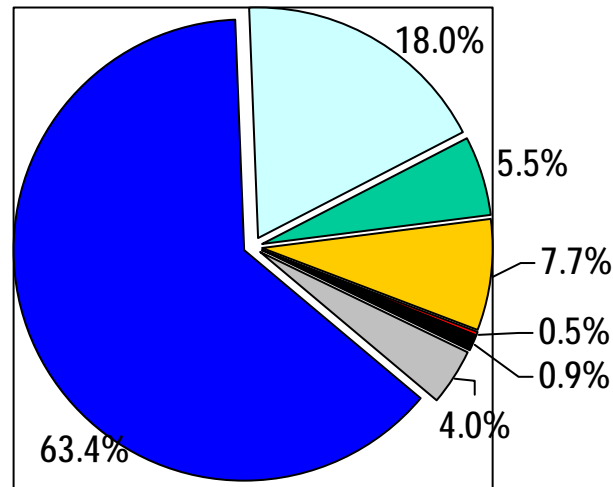
# Bike Commuting Share by Jurisdiction of Residence (1994 – 2007/2008)



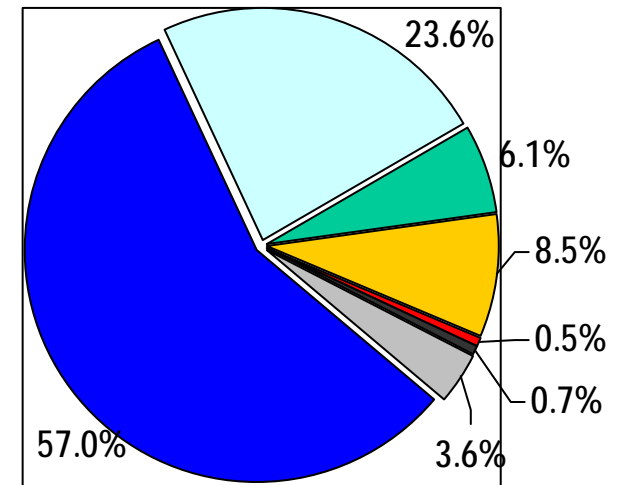
Source: 1994 and 2007/2008 TPB Household Travel Survey

# Change in Daily Trip Modal Shares (1994-2007/2008)

1994



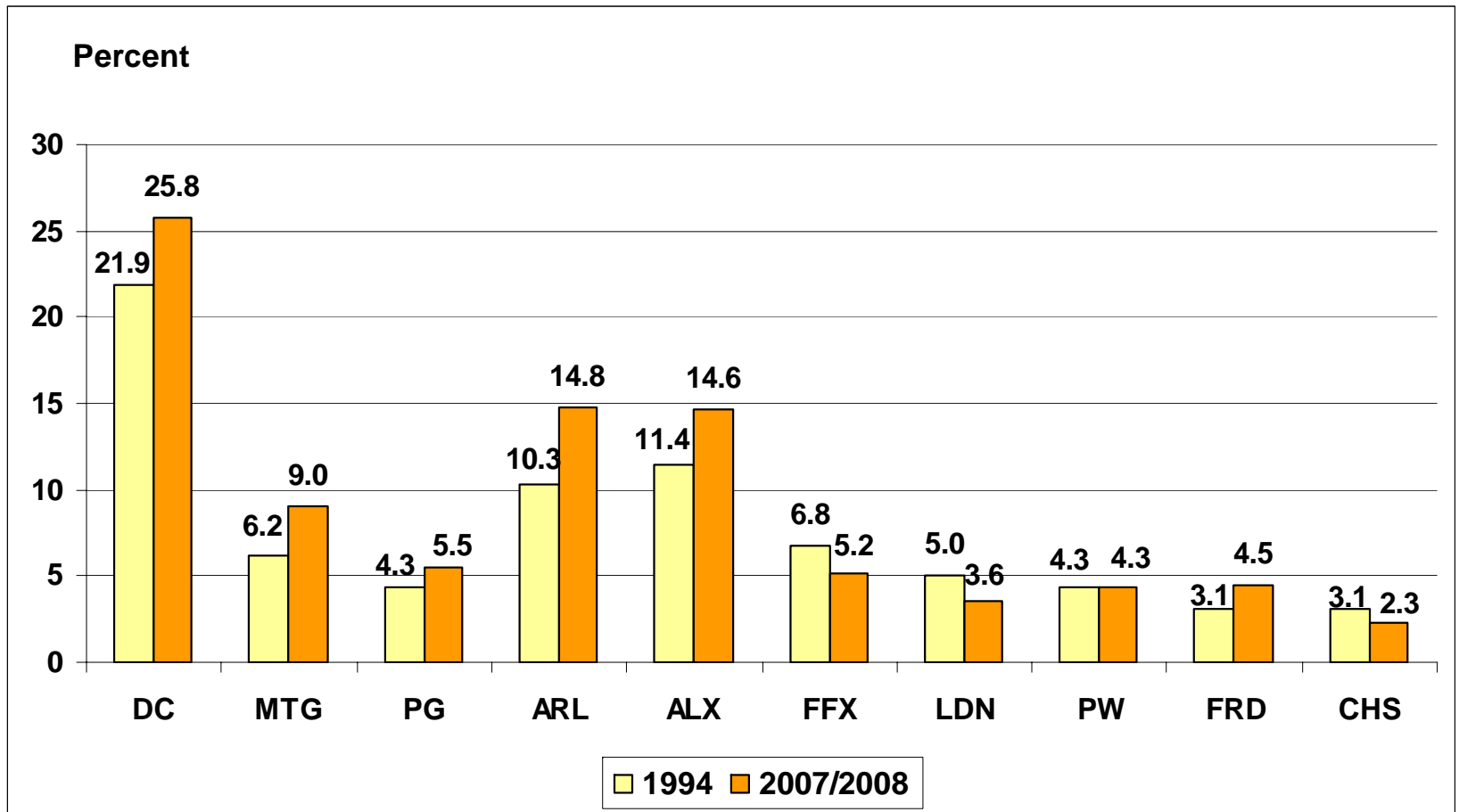
2007/2008



Source: 1994 and 2007/2008 TPB Household Travel Survey

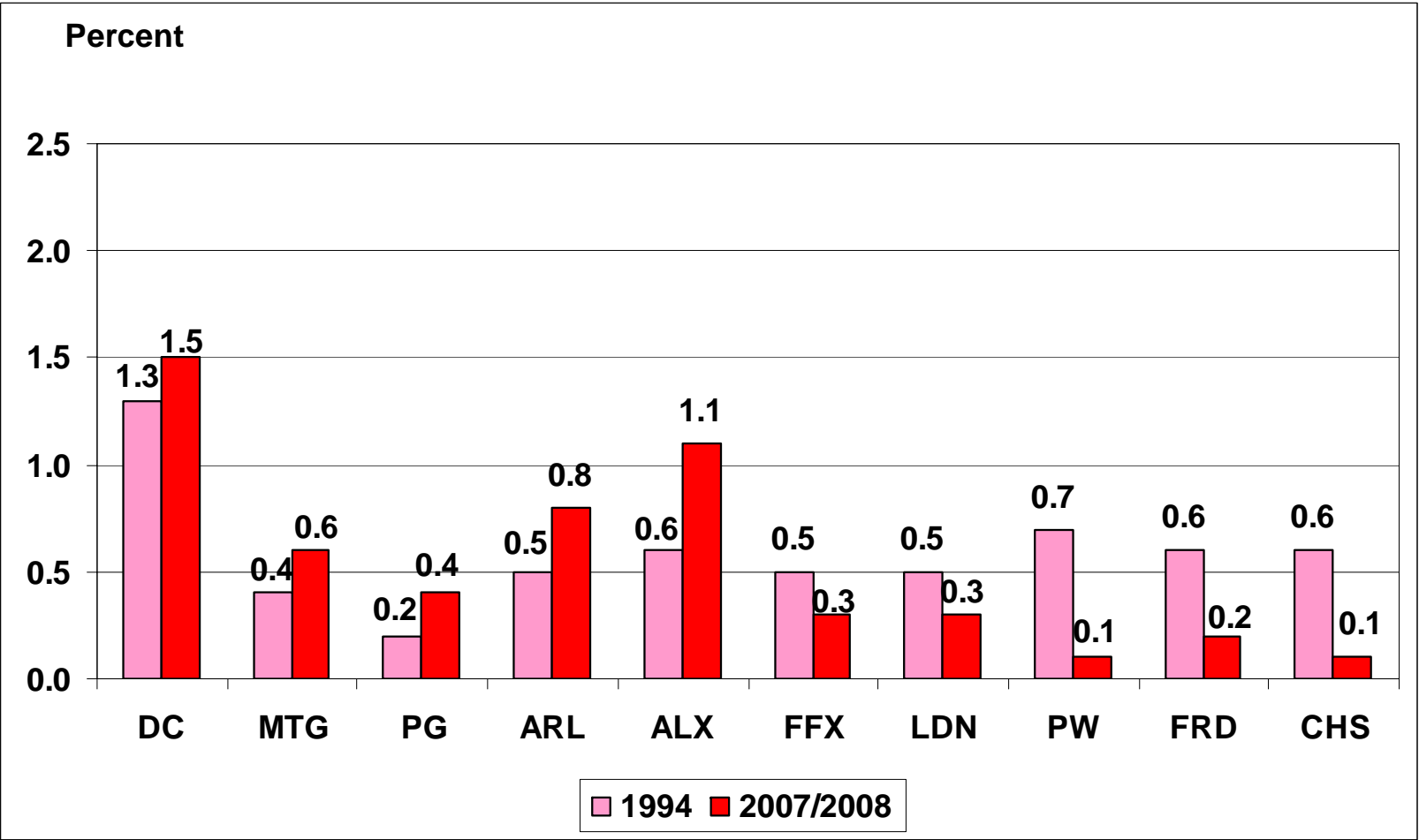


## Daily Walk Trip Share by Jurisdiction of Residence (1994 – 2007/2008)



Source: 1994 and 2007/2008 TPB Household Travel Survey

# Daily Bike Trip Share by Jurisdiction of Residence (1994 – 2007/2008)



Source: 1994 and 2007/2008 TPB Household Travel Survey

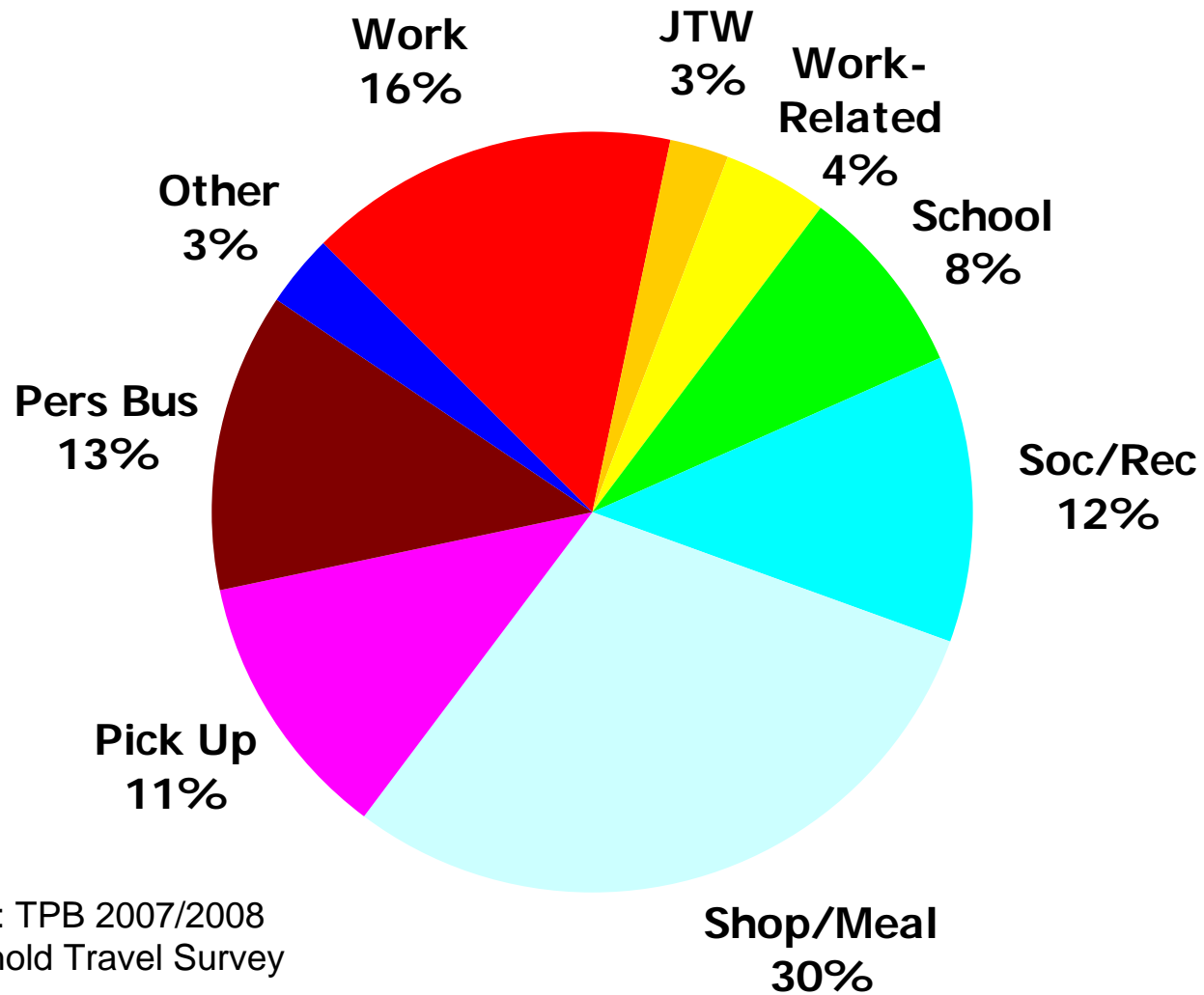
## **Trip Length Distribution by Mode (Distance in Miles)**

<b>Mode</b>	<b>25%</b>	<b>Median</b>	<b>75%</b>	<b>90%</b>
<b>Auto D</b>	<b>1.5</b>	<b>4.0</b>	<b>9.7</b>	<b>18.7</b>
<b>Auto P</b>	<b>1.2</b>	<b>2.8</b>	<b>6.4</b>	<b>12.9</b>
<b>Transit</b>	<b>3.5</b>	<b>6.9</b>	<b>14.1</b>	<b>23.4</b>
<b>School Bus</b>	<b>1.2</b>	<b>2.3</b>	<b>4.6</b>	<b>8.2</b>
<b>Walk</b>	<b>0.1</b>	<b>0.3</b>	<b>0.5</b>	<b>0.9</b>
<b>Bike</b>	<b>0.8</b>	<b>1.5</b>	<b>4.1</b>	<b>7.3</b>

Source: TPB 2007/2008 Household Travel Survey

# Daily Trips By Purpose (All Modes)

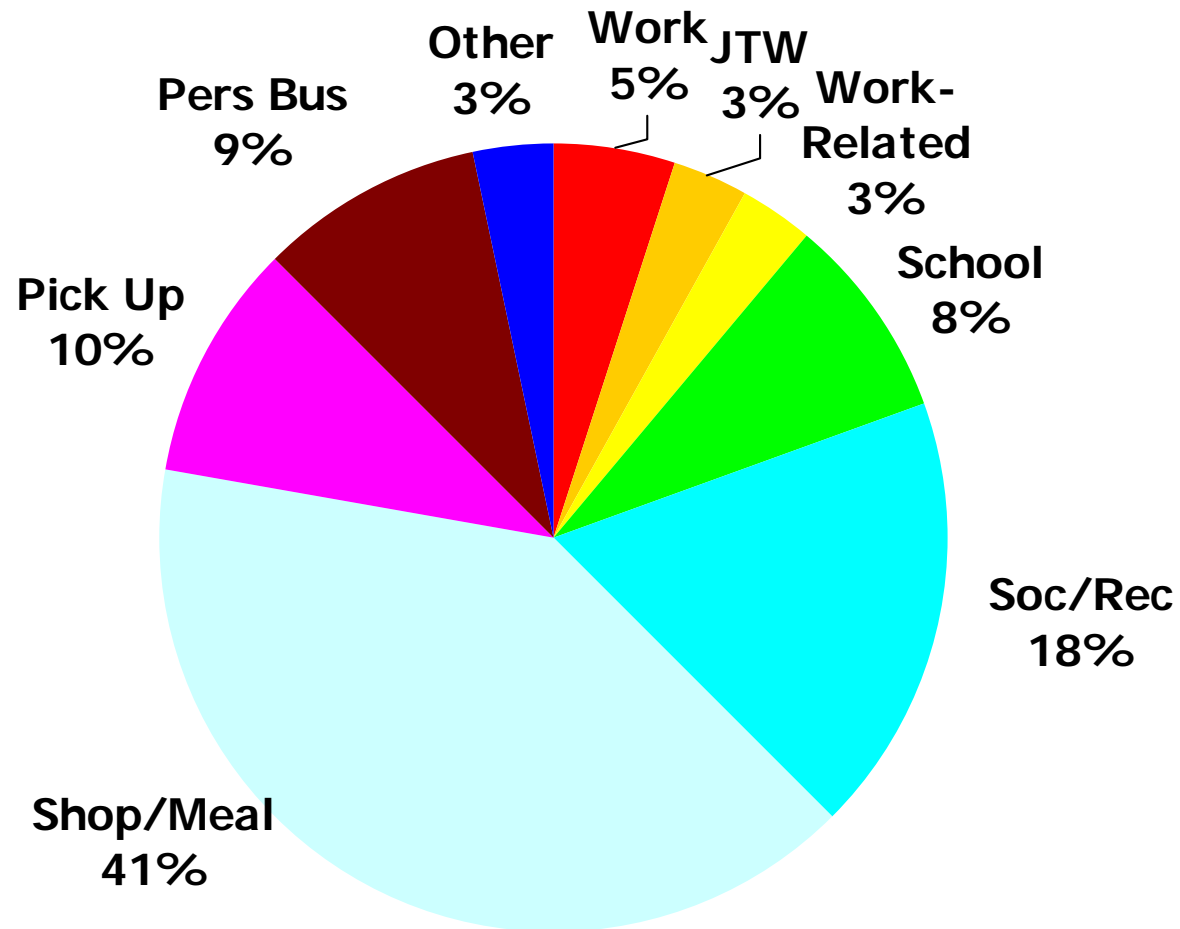
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Source: TPB 2007/2008  
Household Travel Survey

# Daily Walk Trips By Purpose

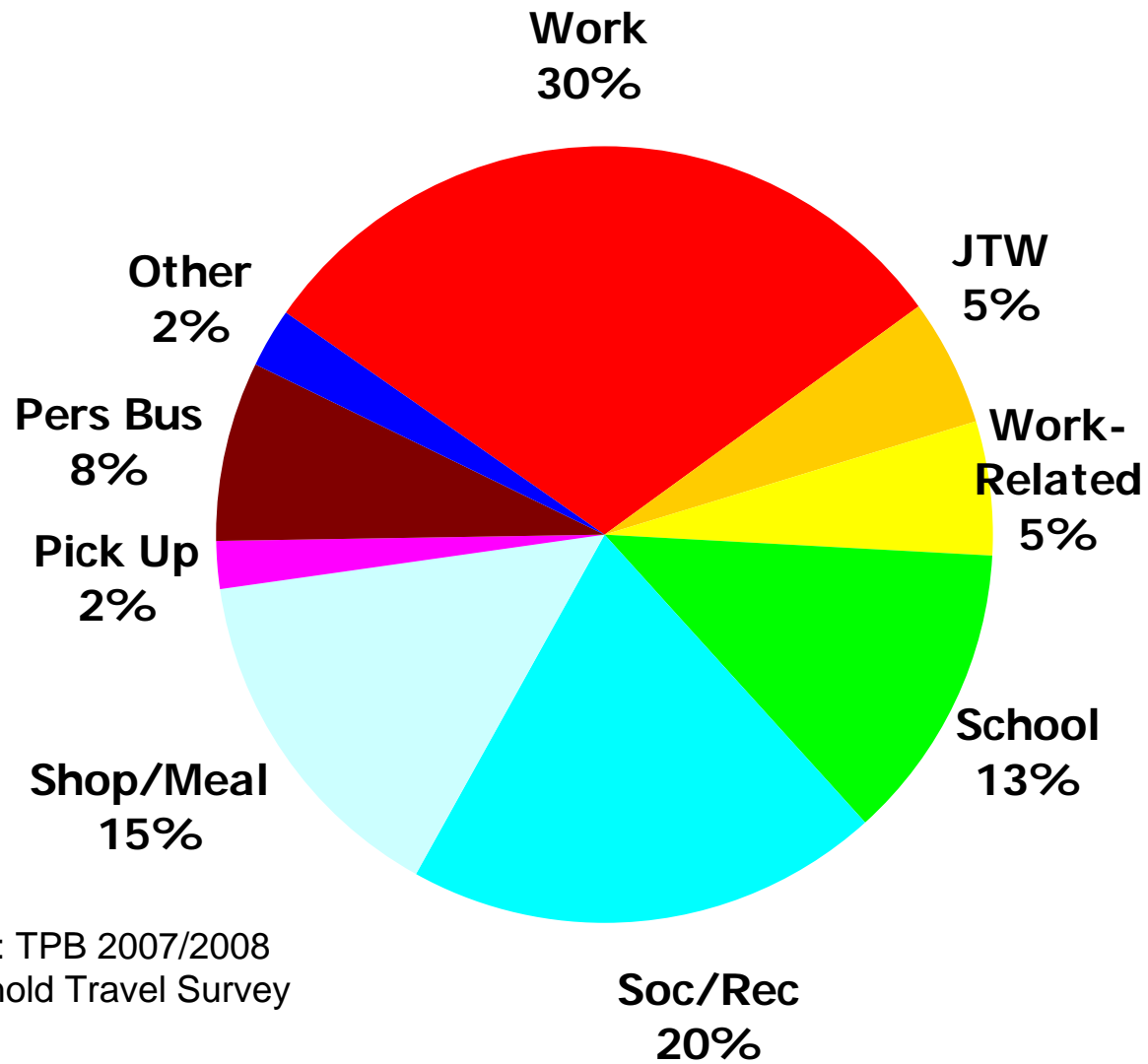
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Source: TPB 2007/2008  
Household Travel Survey

# Daily Bike By Purpose

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Source: TPB 2007/2008  
Household Travel Survey

## **Total Weekday Walk and Bike Trips by Type (in Thousands)**

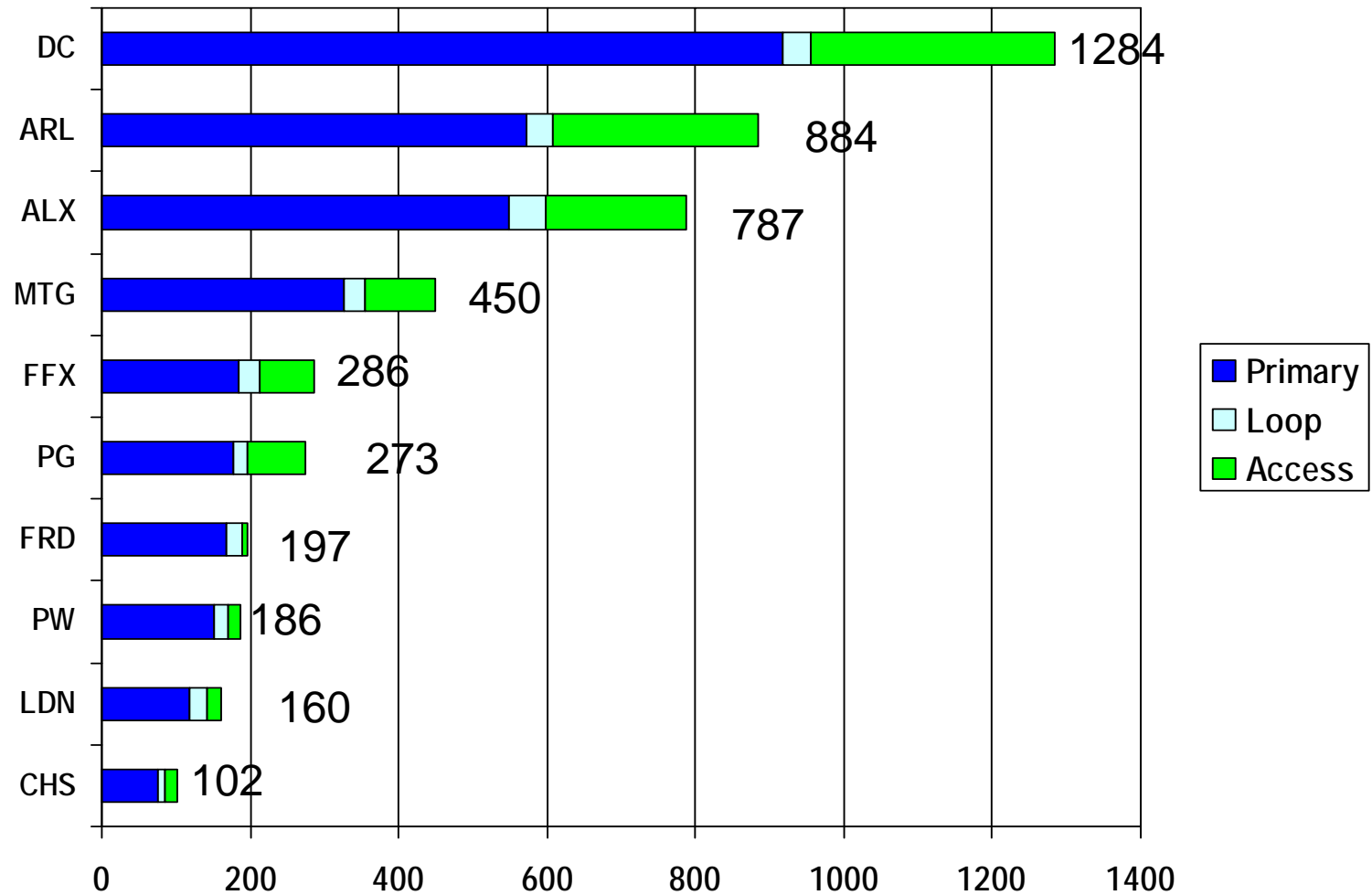
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<b>Type of Trip</b>	<b>Walk</b>	<b>Bike</b>
<b>Primary Travel Mode</b>	<b>1,370.0</b>	<b>87.5</b>
<b>“Loop” Trips</b>	<b>123.8</b>	<b>6.9</b>
<b>Metrorail Access</b>	<b>464.3</b>	<b>4.3</b>
<b>Metrorail Egress</b>	<b>469.0</b>	<b>4.0</b>
<b>Total</b>	<b>2,427.1</b>	<b>102.7</b>

Source: TPB 2007/2008 Household Travel Survey

# Weekday Walk Trips by Jurisdiction of Residence and Type Per 1,000 Population in Households

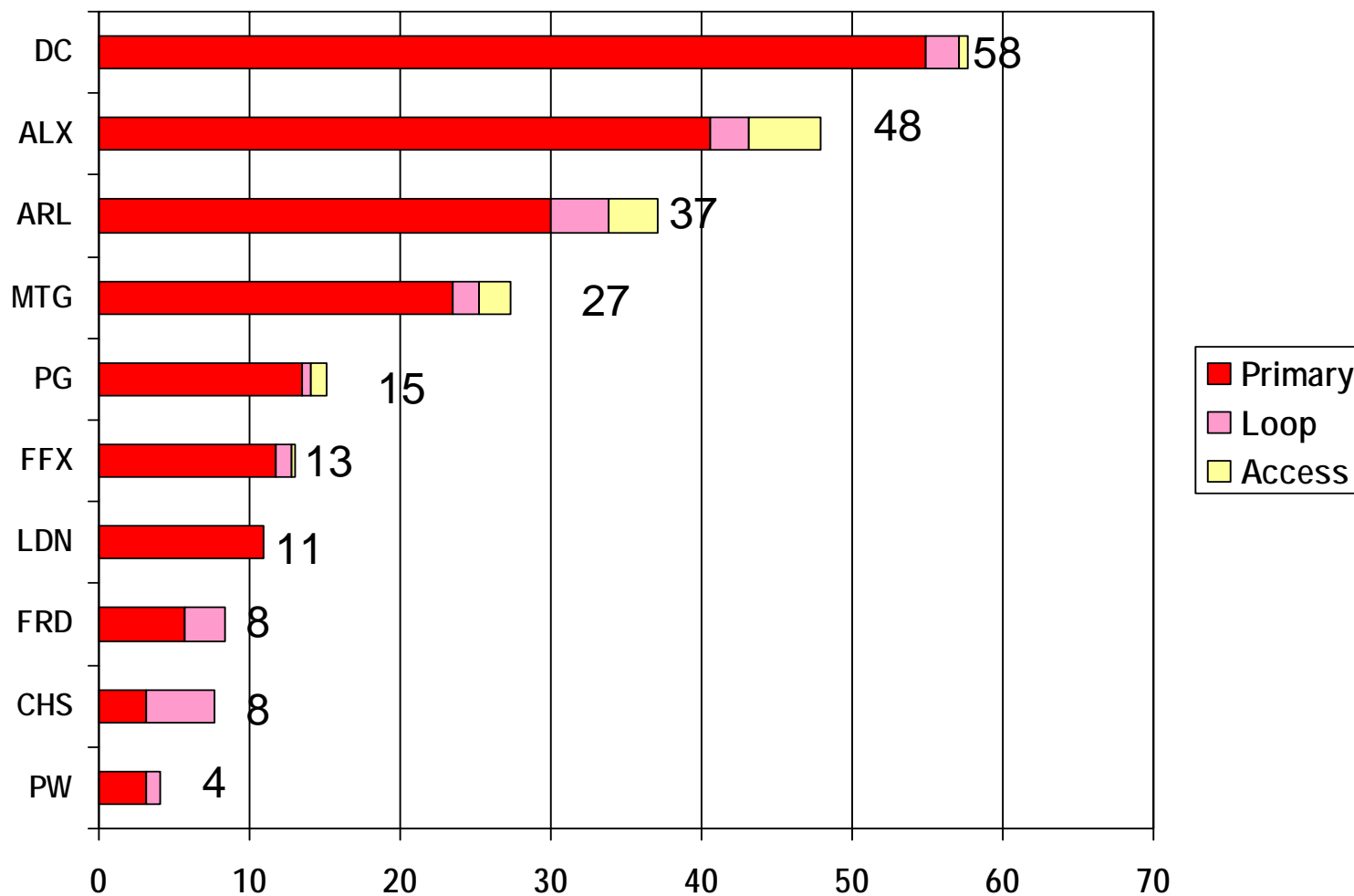
Source: TPB 2007/2008 Household Travel Survey





# Weekday Bike Trips by Jurisdiction of Residence and Type Per 1,000 Population in Households

Source: TPB 2007/2008 Household Travel Survey





Questions?

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