

# The Regional Truck Safety Picture

Fatal Crash Analysis

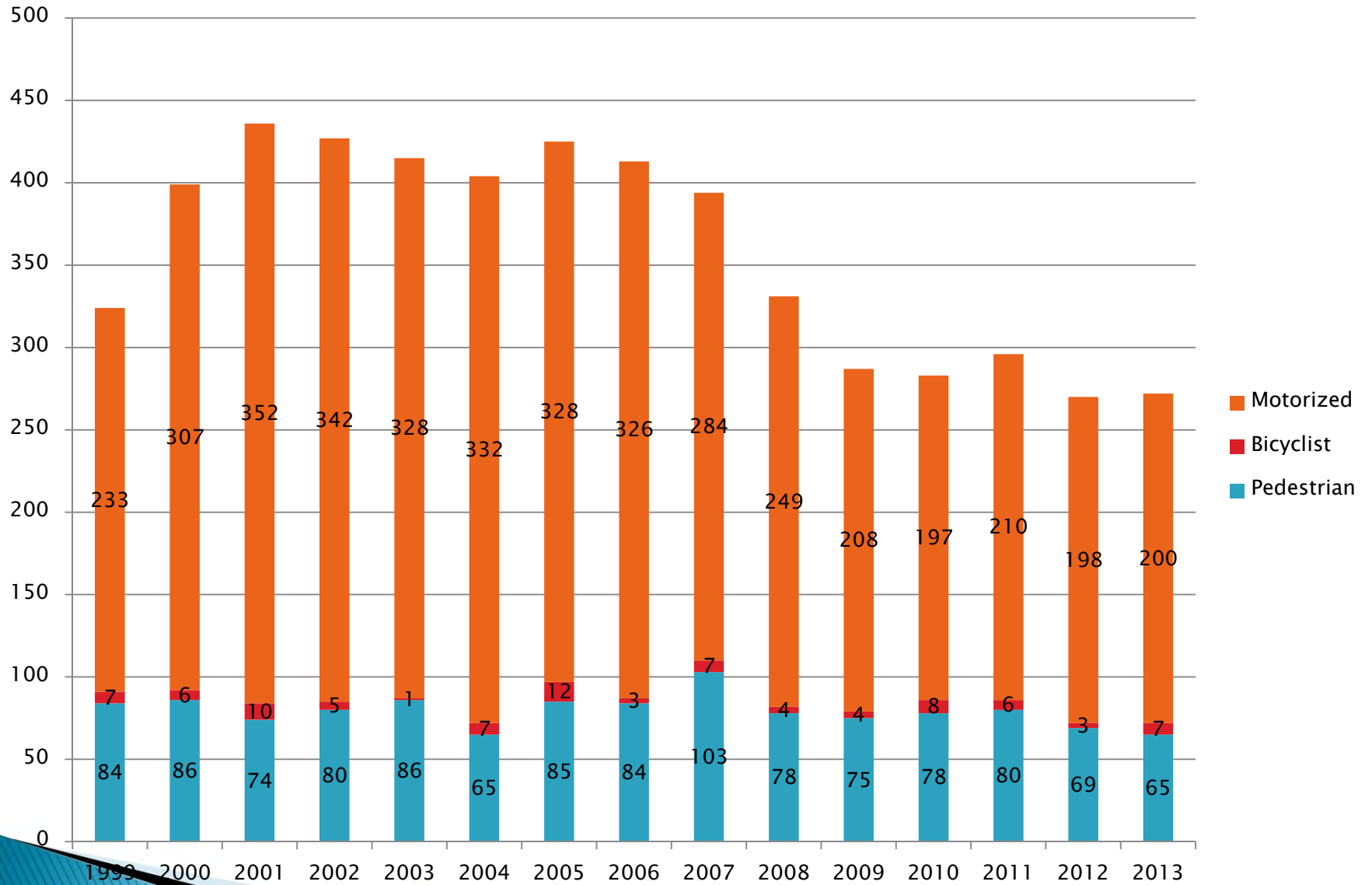
Briefing to the Transportation Safety Subcommittee &  
Freight Subcommittee  
May 5, 2015

# Traffic Fatalities in the Washington Region

| Jurisdiction            | 1999       | 2000       | 2001       | 2002       | 2003       | 2004       | 2005       | 2006       | 2007       | 2008       | 2009       | 2010       | 2011       | 2012       | 2013       | Total       | Average    |
|-------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|------------|
| District of Columbia    | 41         | 52         | 71         | 50         | 68         | 45         | 49         | 41         | 54         | 39         | 33         | 25         | 32         | 19         | 29         | 619         | 43         |
| Charles County          | 26         | 30         | 21         | 27         | 20         | 16         | 40         | 30         | 23         | 14         | 15         | 18         | 22         | 15         | 16         | 317         | 22         |
| Frederick County        | 32         | 27         | 37         | 18         | 18         | 28         | 33         | 33         | 25         | 21         | 23         | 24         | 15         | 16         | 20         | 350         | 25         |
| Montgomery County       | 49         | 60         | 60         | 67         | 52         | 79         | 44         | 58         | 49         | 52         | 40         | 48         | 40         | 37         | 41         | 735         | 52         |
| Prince George's County  | 79         | 102        | 128        | 141        | 122        | 121        | 134        | 111        | 126        | 129        | 98         | 87         | 105        | 87         | 87         | 1570        | 110        |
| Arlington County        | 8          | 14         | 9          | 12         | 9          | 6          | 9          | 3          | 6          | 8          | 5          | 5          | 6          | 4          | 2          | 104         | 7          |
| City of Alexandria      | 4          | 5          | 5          | 6          | 3          | 3          | 2          | 1          | 5          | 3          | 1          | 3          | 3          | 4          | 3          | 48          | 3          |
| Fairfax County          | 49         | 70         | 53         | 64         | 61         | 63         | 61         | 67         | 53         | 29         | 37         | 36         | 44         | 45         | 40         | 732         | 51         |
| City of Fairfax         | 0          | 0          | 1          | 1          | 3          | 0          | 2          | 3          | 2          | 0          | 2          | 0          | 2          | 5          | 2          | 21          | 2          |
| City of Falls Church    | 0          | 1          | 1          | 1          | 1          | 0          | 0          | 0          | 0          | 0          | 1          | 2          | 0          | 0          | 0          | 7           | 0          |
| Loudoun County          | 11         | 9          | 15         | 16         | 24         | 22         | 20         | 19         | 21         | 11         | 13         | 12         | 11         | 18         | 13         | 222         | 16         |
| City of Manassas        | 1          | 2          | 2          | 1          | 1          | 0          | 3          | 1          | 3          | 1          | 3          | 0          | 0          | 1          | 0          | 19          | 1          |
| City of Manassas Park   | 1          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 1          | 0          | 0          | 2           | 0          |
| Prince William County   | 24         | 27         | 31         | 23         | 30         | 22         | 29         | 46         | 27         | 24         | 16         | 23         | 15         | 19         | 19         | 356         | 25         |
| <b>Total Washington</b> | <b>325</b> | <b>399</b> | <b>434</b> | <b>427</b> | <b>412</b> | <b>405</b> | <b>426</b> | <b>413</b> | <b>394</b> | <b>331</b> | <b>287</b> | <b>283</b> | <b>296</b> | <b>270</b> | <b>272</b> | <b>5374</b> | <b>358</b> |

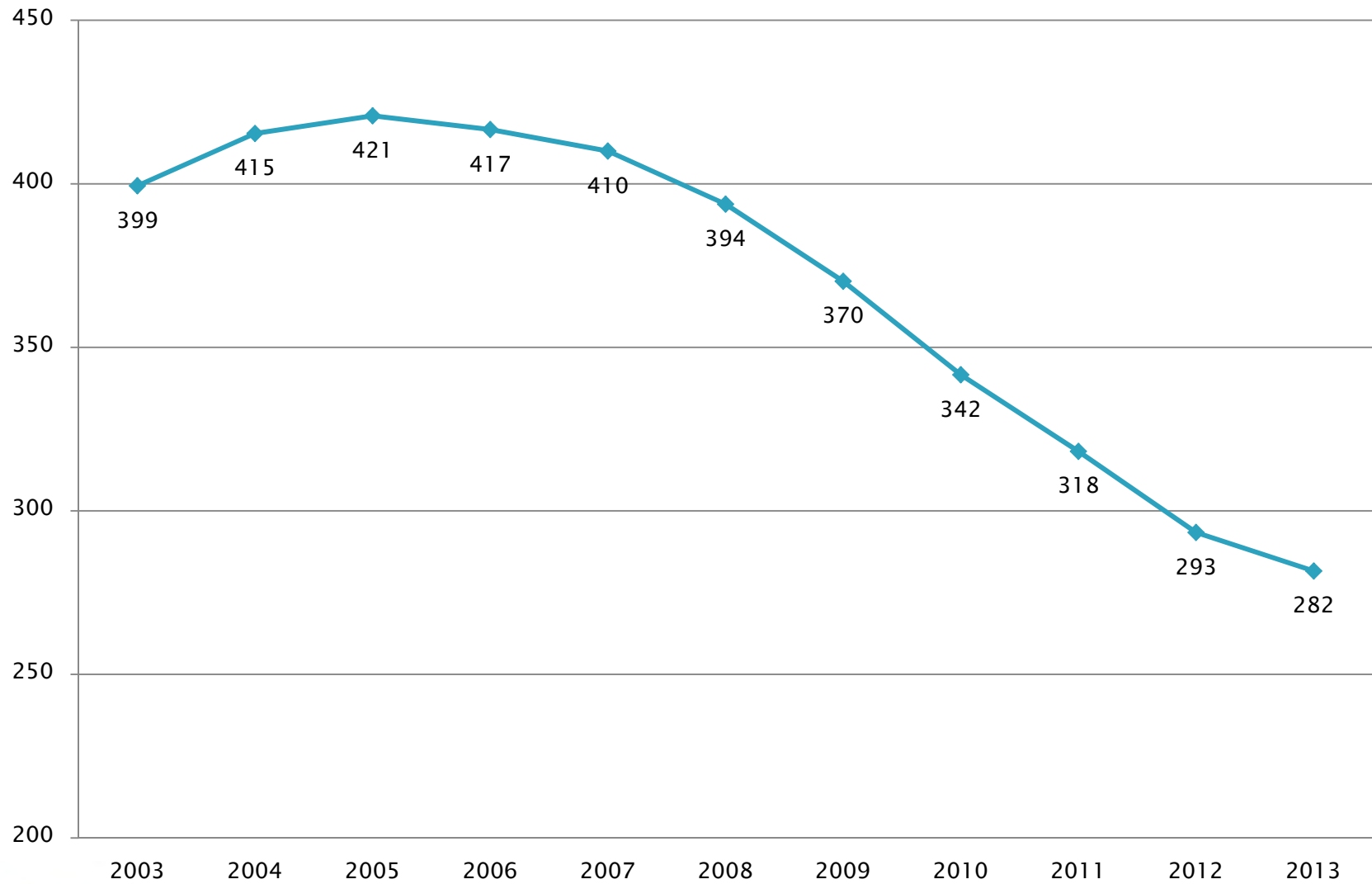
Source: DDOT; Virginia DMV; MDSHA Office of Traffic & Safety

## Traffic Fatalities in the Washington Region



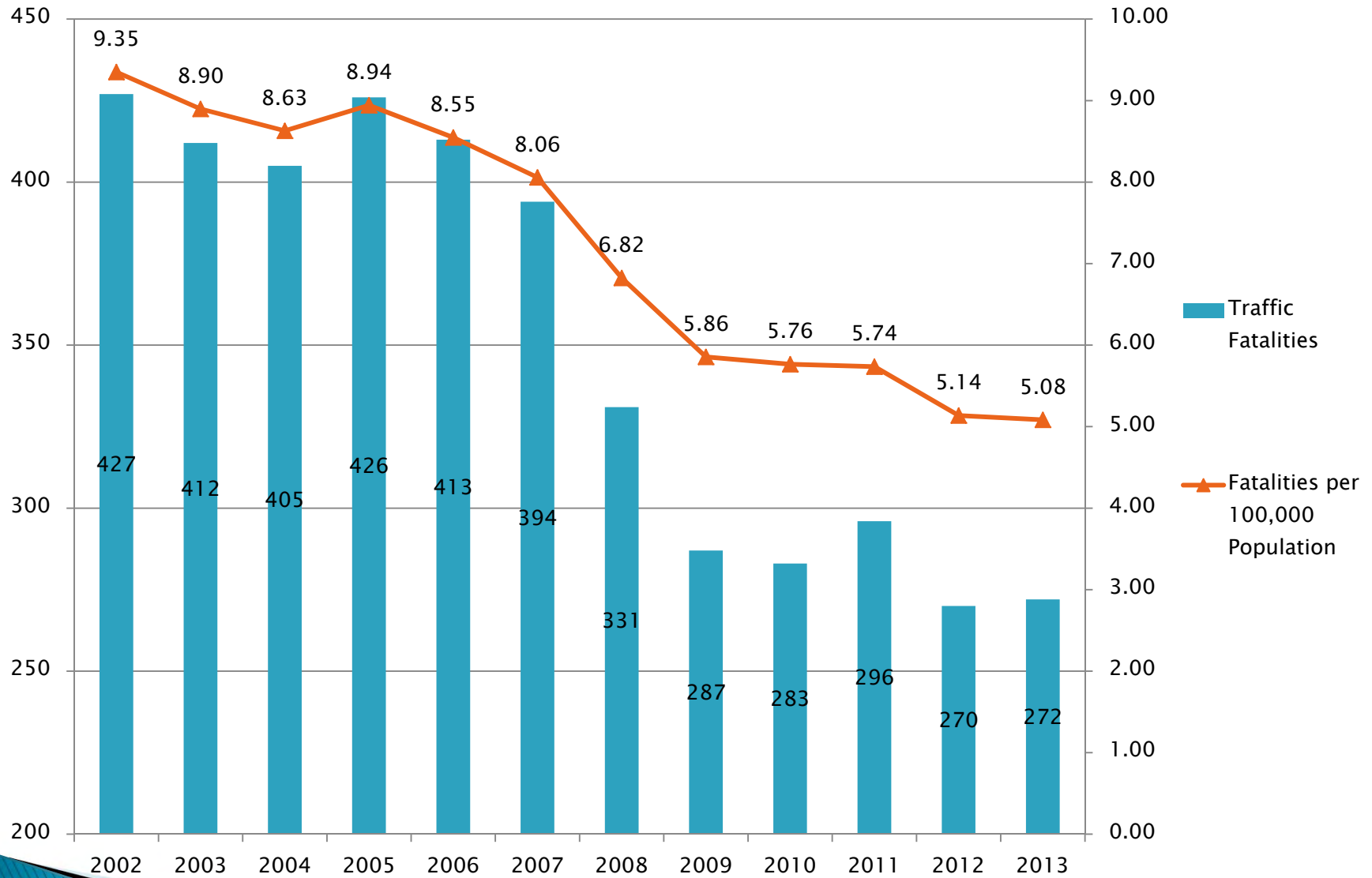
Source: DDOT; Virginia DMV; MDSHA Office of Traffic & Safety

## Total Fatalities 5-Year Average



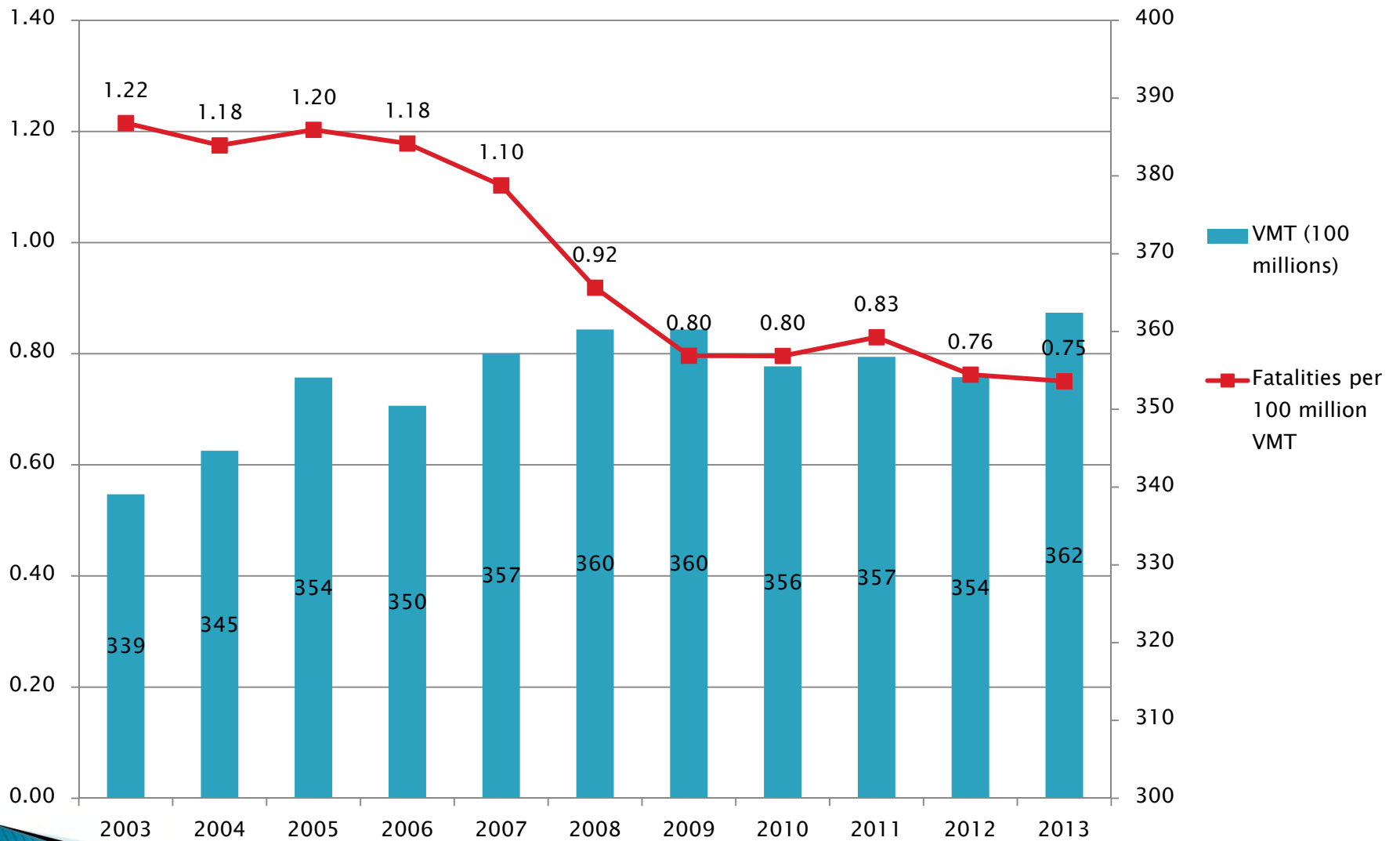
Source: DDOT; Virginia DMV; MDSHA Office of Traffic & Safety

# Traffic Fatalities per 100,000 Population in the Washington Region



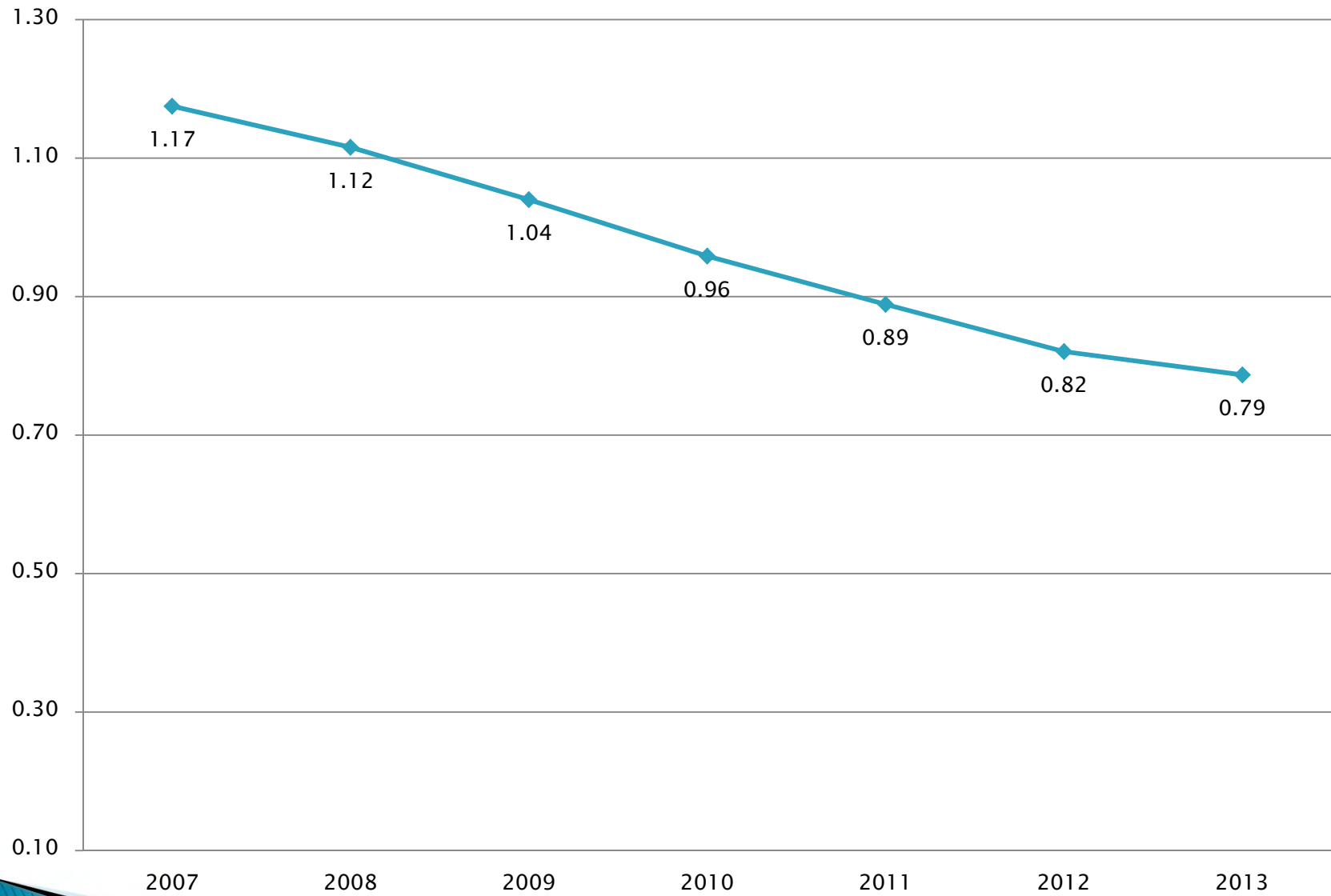
Source: DDOT; Virginia DMV; MDSHA Office of Traffic & Safety; COG Member Population Estimates

## Fatality Rate per 100 Million VMT for the Washington Metropolitan Statistical Area



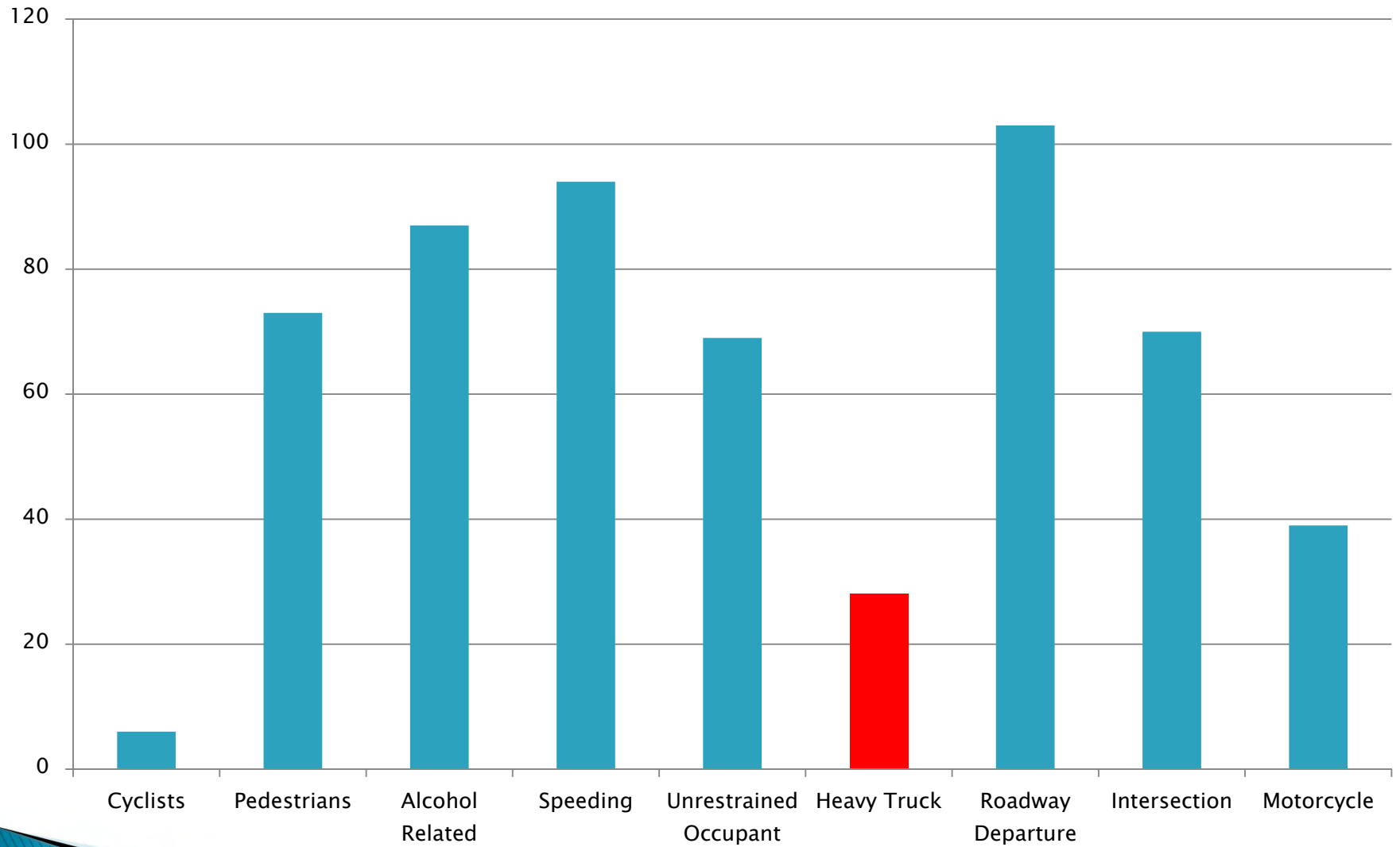
Source: Bureau of Transportation Statistics; 2009 data unavailable

## Fatalities per 100 Million VMT 5-Year Average



Source: Bureau of Transportation Statistics; 2009 data unavailable

# Traffic Fatalities in the Washington Region by Emphasis Area

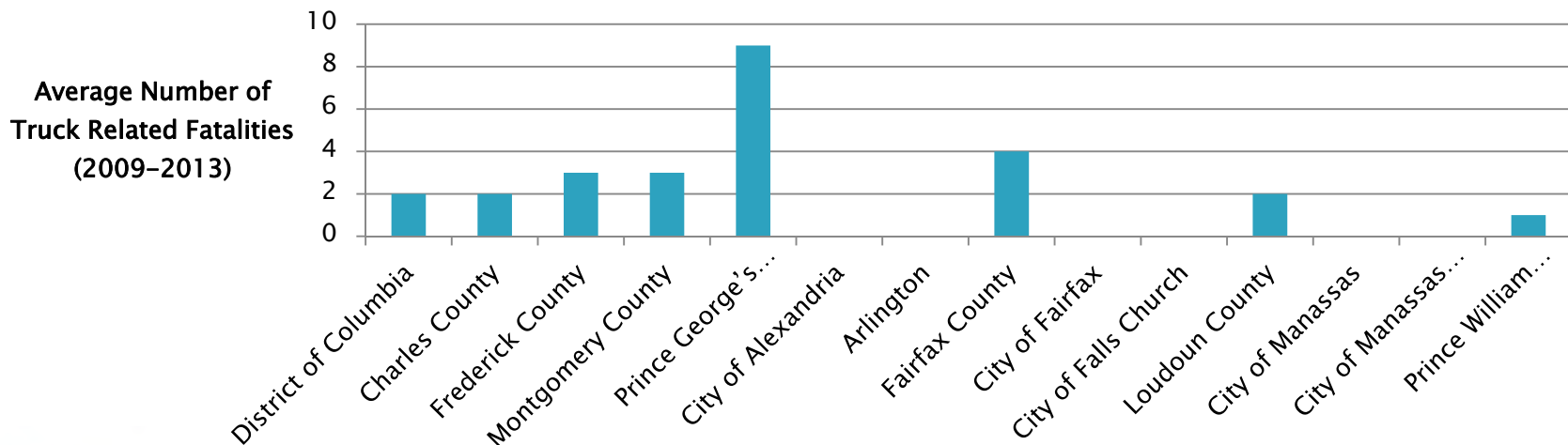


Source: DDOT; Virginia DMV; MDSHA Office of Traffic & Safety; FARS

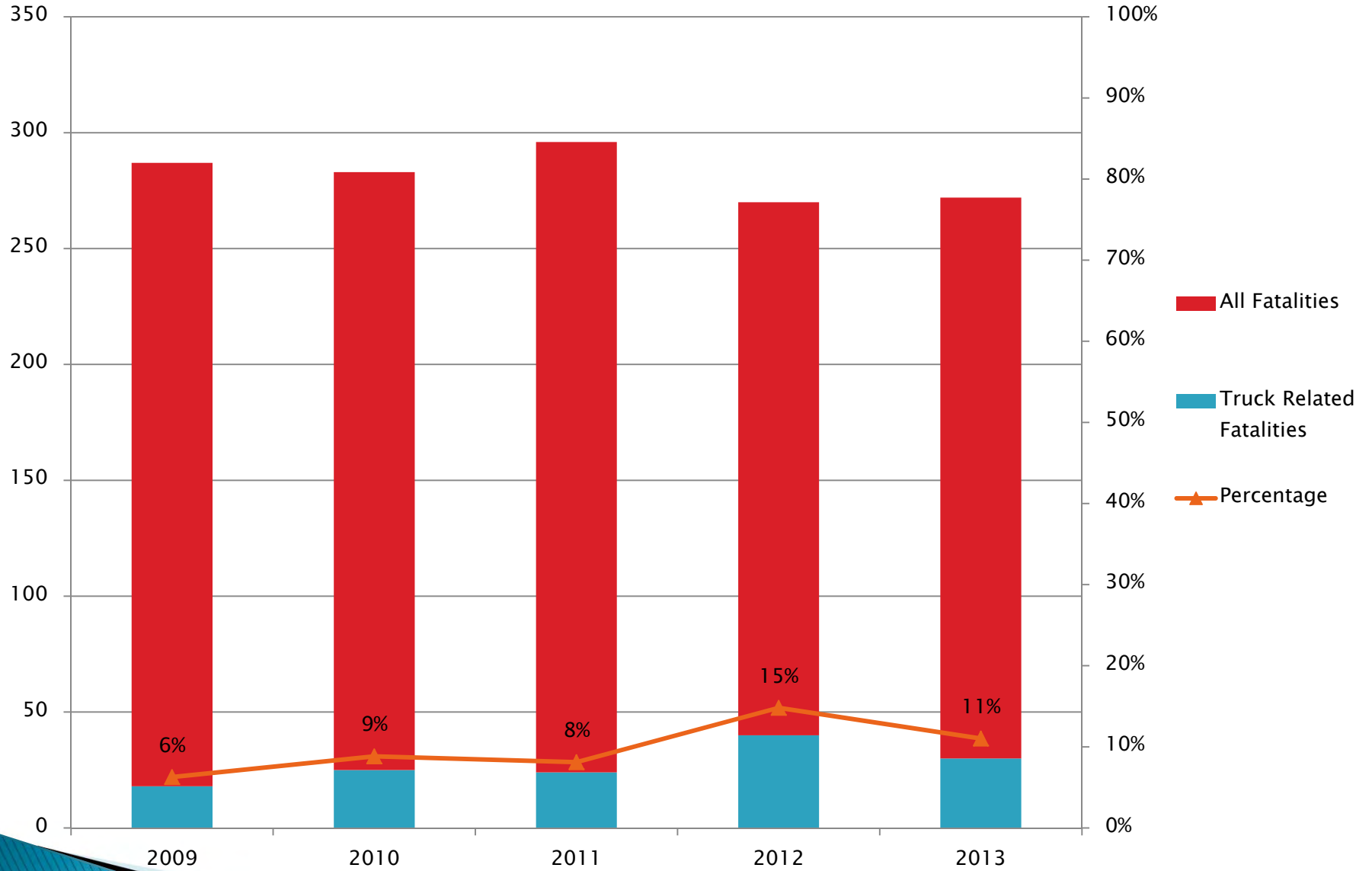


# Truck Related Fatalities in the Washington Region

|                | DC                   | Maryland       |                  |                   |                        | Virginia           |           |                |                 |                      |                |                  |                       |                       |            |  |
|----------------|----------------------|----------------|------------------|-------------------|------------------------|--------------------|-----------|----------------|-----------------|----------------------|----------------|------------------|-----------------------|-----------------------|------------|--|
|                | District of Columbia | Charles County | Frederick County | Montgomery County | Prince George's County | City of Alexandria | Arlington | Fairfax County | City of Fairfax | City of Falls Church | Loudoun County | City of Manassas | City of Manassas Park | Prince William County | Total      |  |
| 2009           | 1                    | 0              | 5                | 2                 | 7                      | 0                  | 0         | 2              | 0               | 0                    | 1              | 0                | 0                     | 0                     | 18         |  |
| 2010           | 3                    | 4              | 2                | 3                 | 7                      | 0                  | 1         | 3              | 0               | 0                    | 1              | 0                | 0                     | 1                     | 25         |  |
| 2011           | 2                    | 4              | 1                | 4                 | 6                      | 1                  | 1         | 3              | 0               | 0                    | 0              | 0                | 0                     | 2                     | 24         |  |
| 2012           | 1                    | 0              | 6                | 5                 | 15                     | 0                  | 0         | 9              | 0               | 0                    | 3              | 0                | 0                     | 1                     | 40         |  |
| 2013           | 3                    | 4              | 3                | 1                 | 8                      | 0                  | 0         | 5              | 0               | 0                    | 3              | 0                | 0                     | 3                     | 30         |  |
| <b>Total</b>   | <b>10</b>            | <b>12</b>      | <b>17</b>        | <b>15</b>         | <b>43</b>              | <b>1</b>           | <b>2</b>  | <b>22</b>      | <b>0</b>        | <b>0</b>             | <b>8</b>       | <b>0</b>         | <b>0</b>              | <b>7</b>              | <b>137</b> |  |
| <b>Average</b> | <b>2</b>             | <b>2</b>       | <b>3</b>         | <b>3</b>          | <b>9</b>               | <b>0</b>           | <b>0</b>  | <b>4</b>       | <b>0</b>        | <b>0</b>             | <b>2</b>       | <b>0</b>         | <b>0</b>              | <b>1</b>              | <b>27</b>  |  |



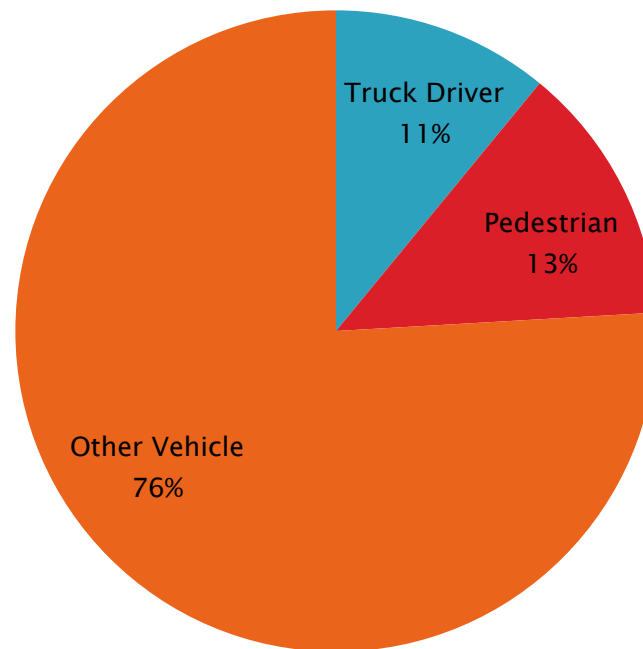
# Truck Related Fatalities in the Washington Region



Source: DDOT; Virginia DMV; MDSHA Office of Traffic & Safety; FARS

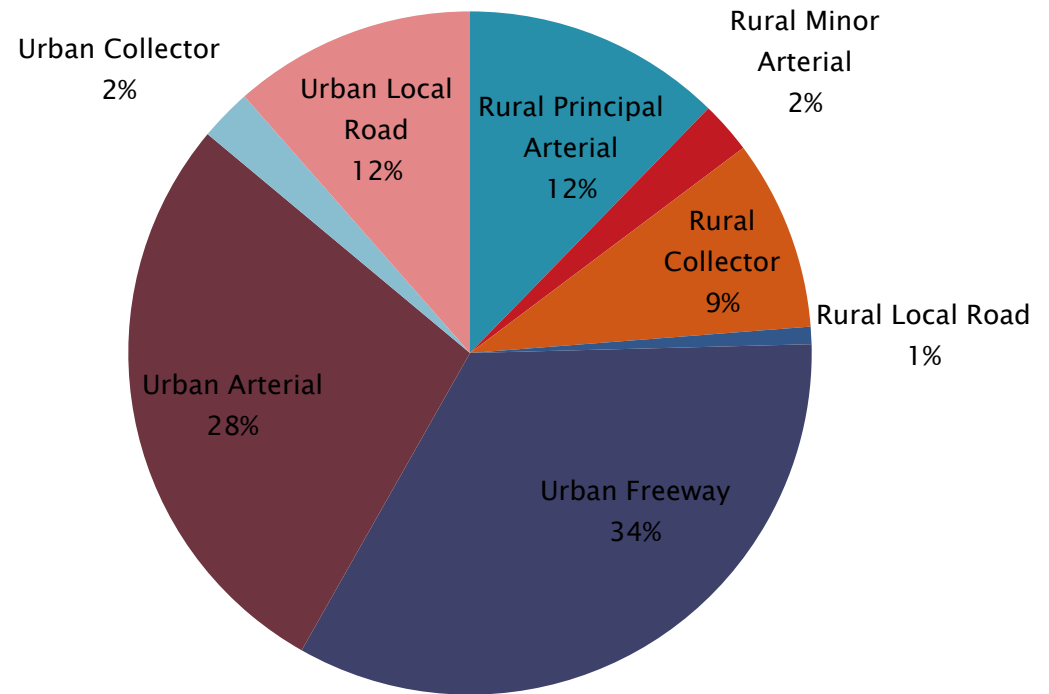
## Who is Being Killed in Truck Involved Crashes?

| Fatality      | 2009 | 2010 | 2011 | 2012 | 2013 |
|---------------|------|------|------|------|------|
| Truck Driver  | 1    | 1    | 5    | 4    | 4    |
| Pedestrian    | 4    | 5    | 4    | 5    | 0    |
| Other Vehicle | 13   | 19   | 15   | 31   | 26   |



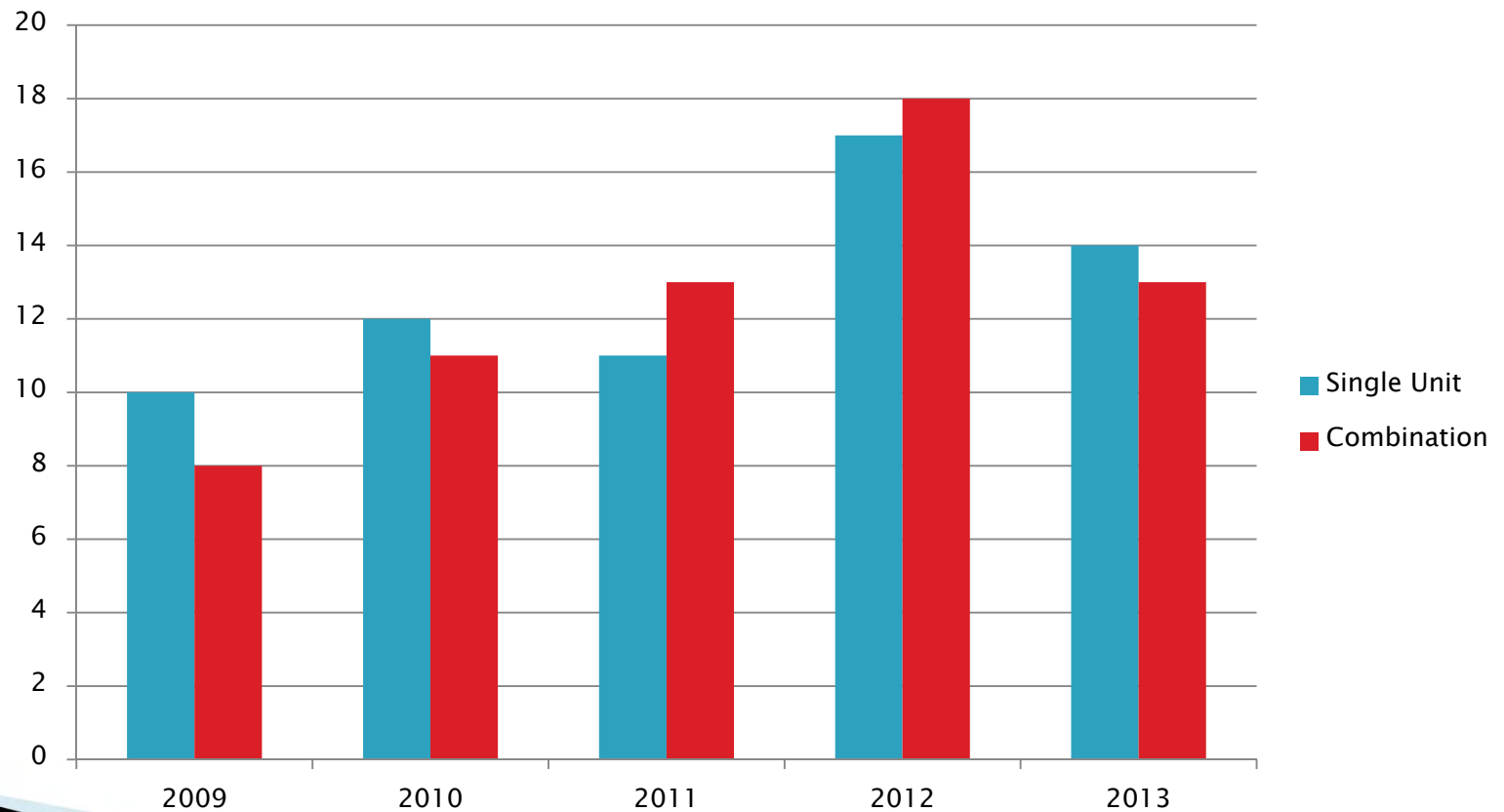
## On What Facilities Are Truck Involved Fatal Crashes Occurring?

| Roadway Functional Class | 2009 | 2010 | 2011 | 2012 | 2013 | Total |
|--------------------------|------|------|------|------|------|-------|
| Rural Principal Arterial | 0    | 4    | 6    | 2    | 3    | 15    |
| Rural Minor Arterial     | 1    | 1    | 0    | 0    | 1    | 3     |
| Rural Collector          | 4    | 1    | 2    | 2    | 2    | 11    |
| Rural Local Road         | 0    | 0    | 1    | 0    | 0    | 1     |
| Urban Freeway            | 6    | 5    | 8    | 12   | 10   | 41    |
| Urban Arterial           | 4    | 7    | 3    | 13   | 7    | 34    |
| Urban Collector          | 0    | 0    | 1    | 2    | 0    | 3     |
| Urban Local Road         | 3    | 4    | 2    | 1    | 4    | 14    |



## What Types of Trucks Are Involved in Fatal Crashes?

| Type of Truck | 2009 | 2010 | 2011 | 2012 | 2013 | Total |
|---------------|------|------|------|------|------|-------|
| Single Unit   | 10   | 12   | 11   | 17   | 14   | 64    |
| Combination   | 8    | 11   | 13   | 18   | 13   | 63    |



## Map of Truck Related Fatalities in the Washington Region

