Accelerating Active Transportation in Northern Virginia

Break Out Session #3:
Accessing and Leveraging Meaningful Data

- **Moderator:** Mike Doyle, No. Virginia Families for Safe Streets (NoVA FSS)
- **Panelists:**
  - Mike Doyle, NoVA FSS
  - Jack Trainor, VT Grad School of Urban Affairs & Planning
  - Christine Berthet, NYC Crash Mapper
  - Lama Bou Mjahed, Mobility Lab

March 25, 2021
Housekeeping

- Today’s break-out sessions are being recorded.
- All attendees have been muted. Please put questions in the chat box.
- Closed captioning is available at all sessions.
- Today’s presentations and session recordings will be available on the George Mason transportation site at [http://transportation.gmu.edu](http://transportation.gmu.edu)
Accelerating Active Transportation

Data Analytics

Northern Virginia Families for Safe Streets (NoVa FSS)

March 25, 2021
## Why It Matters

<table>
<thead>
<tr>
<th>Category</th>
<th>United States</th>
<th>Virginia</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2019</td>
<td>2020</td>
<td>change %</td>
<td>change #</td>
<td></td>
</tr>
<tr>
<td><strong>United States</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VMT</td>
<td>3,259.9</td>
<td>2,829.7</td>
<td>-13.2%</td>
<td>-430.2</td>
<td></td>
</tr>
<tr>
<td>Deaths</td>
<td>38,800</td>
<td>42,060</td>
<td>8.4%</td>
<td>3,260</td>
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</tr>
<tr>
<td>deaths/billion miles</td>
<td>11.9</td>
<td>14.9</td>
<td>24.9%</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td><strong>Virginia</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VMT</td>
<td>86.1</td>
<td>71.8</td>
<td>-16.6%</td>
<td>-14.3</td>
<td></td>
</tr>
<tr>
<td>Deaths</td>
<td>827</td>
<td>847</td>
<td>2.4%</td>
<td>20</td>
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<tr>
<td>- injuries</td>
<td>65,708</td>
<td>51,458</td>
<td>-21.7%</td>
<td>-14,250</td>
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</tr>
<tr>
<td>- crashes</td>
<td>128,172</td>
<td>102,977</td>
<td>-19.7%</td>
<td>-25,195</td>
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</tr>
<tr>
<td>deaths/billion miles</td>
<td>9.6</td>
<td>11.8</td>
<td>22.8%</td>
<td>2.2</td>
<td></td>
</tr>
<tr>
<td>Pedestrian deaths</td>
<td>126</td>
<td>123</td>
<td>-2.4%</td>
<td>-3</td>
<td></td>
</tr>
<tr>
<td>- ped injuries</td>
<td>1,896</td>
<td>1,457</td>
<td>-23.2%</td>
<td>-439</td>
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<tr>
<td>- ped crashes</td>
<td>1,625</td>
<td>1,238</td>
<td>-23.8%</td>
<td>-387</td>
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</tr>
<tr>
<td>deaths/billion miles</td>
<td>1.5</td>
<td>1.7</td>
<td>17.0%</td>
<td>0.2</td>
<td></td>
</tr>
<tr>
<td>Speeding deaths</td>
<td>349</td>
<td>406</td>
<td>16.3%</td>
<td>57</td>
<td></td>
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<tr>
<td>- speeding injuries</td>
<td>13,289</td>
<td>11,223</td>
<td>-15.5%</td>
<td>-2,066</td>
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</tr>
<tr>
<td>- speeding crashes</td>
<td>24,739</td>
<td>21,900</td>
<td>-11.5%</td>
<td>-2,839</td>
<td></td>
</tr>
<tr>
<td>deaths/billion miles</td>
<td>4.1</td>
<td>5.7</td>
<td>39.5%</td>
<td>1.6</td>
<td></td>
</tr>
</tbody>
</table>

VMT: Vehicle Miles Traveled in Billions of Miles

VA DMV Data accessed 3/11/21

Source: Sportsbacker – Brantley Tyndall
Fairfax County Crash (KSI) Data

- Bicycle-injured
- Bicycle-Fatal
- Pedestrian-injured
- Pedestrian-fatal
Arlington County Crash (KSI) Data

- Bicycle-injured
- Bike-Fatal
- Pedestrian-injured
- Ped-Fatal

Number of persons

<table>
<thead>
<tr>
<th>Years</th>
<th>Bicycle-injured</th>
<th>Bike-Fatal</th>
<th>Pedestrian-injured</th>
<th>Ped-Fatal</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2018</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2019</td>
<td>11</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2020</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
Alexandria City Crash (KSI) Data

- Bicycle-injured
- Bike-Fatal
- Pedestrian-injured
- Ped-Fatal

Number of persons

Years

- 2017: 10
- 2018: 8
- 2019: 8
- 2020: 5

2017:
- Bicycle-injured: 3
- Bike-Fatal: 0
- Pedestrian-injured: 2
- Ped-Fatal: 0

2018:
- Bicycle-injured: 4
- Bike-Fatal: 0
- Pedestrian-injured: 3
- Ped-Fatal: 0

2019:
- Bicycle-injured: 0
- Bike-Fatal: 0
- Pedestrian-injured: 0
- Ped-Fatal: 0

2020:
- Bicycle-injured: 0
- Bike-Fatal: 0
- Pedestrian-injured: 0
- Ped-Fatal: 0
Loudoun County Crash (KSI) Data

- Bicycle-injured
- Bicycle-Fatal
- Pedestrian-injured
- Pedestrian-fatal

Number of persons by Year:
- 2018: Bicycle-injured (4), Bicycle-Fatal (0), Pedestrian-injured (6)
- 2019: Bicycle-injured (2), Bicycle-Fatal (1), Pedestrian-injured (17), Pedestrian-fatal (2)
- 2020: Bicycle-injured (8), Bicycle-Fatal (0), Pedestrian-injured (12), Pedestrian-fatal (1)
Prince William County Crash (KSI) Data

- Bicycle-injured
- Bicycle-Fatal
- Pedestrian-injured
- Pedestrian-fatal

Number of persons vs Years:
- 2017: Bicycle-injured = 5, Bicycle-Fatal = 1, Pedestrian-injured = 4, Pedestrian-fatal = 2
- 2018: Bicycle-injured = 6, Bicycle-Fatal = 0, Pedestrian-injured = 2, Pedestrian-fatal = 0
- 2019: Bicycle-injured = 4, Bicycle-Fatal = 0, Pedestrian-injured = 3, Pedestrian-fatal = 0
- 2020: Bicycle-injured = 2, Bicycle-Fatal = 0, Pedestrian-injured = 5, Pedestrian-fatal = 0

Graph shows a decrease in bicycle injuries and pedestrian injuries over the years, with some fluctuations.
Introducing NoVA FSS’s Near Miss/ Dangerous Location Survey

Virginia Tech Graduate School of Urban Planning
Capstone Studio Class

Jack Trainor
Afternoon Agenda

2-2:15pm Break

2:15-3:15pm Concurrent Break Out Session #2
   • Session #4: Safe and Accessible by Design
     • https://gmu.zoom.us/j/99719863989?pwd=dVNPMGpNbDEzTGJRbFRqRTJVOVF4Zz09
   • Session #5: How to Promote Equitable Outreach in Your Community
     • https://gmu.zoom.us/j/94983407243?pwd=RGl2U3dLcGRzNU56V0VxaUtBT1hQQT09
   • Session #6: Health and Active Transportation
     • https://gmu.zoom.us/j/94855329752?pwd=dmNZbTVuMzlWcGt4U3AwanVQN2Y3QT09

3:15-3:30pm Break

3:30-4pm Afternoon Keynote: Senator Scott A. Surovell

4-4:30pm Report Out Session

4:30-5pm Q&A and Close