

VISION ZERO

ARLINGTON COUNTY

Vision Zero Action Plan

Department of Environmental Services
Transportation Engineering & Operations

December 2020



Agenda

- Vision Zero Introduction
- Action Plan Timeline & Progress
- Draft Action Planning
- Next Steps



Vision Zero in Arlington County

In July 2019, the County Board adopted [a resolution](#) committing to Vision Zero.

The Action Plan* will include:

- An assessment of existing safety needs/areas
- Goals for a safer transportation system
- A list of action items to achieve each safety goal
- A plan for tracking and reporting our progress

*The first Action Plan will cover a 5-year period.

Vision Zero is:

"a strategy to eliminate all traffic fatalities and severe injuries, while increasing safe, healthy, equitable mobility for all."

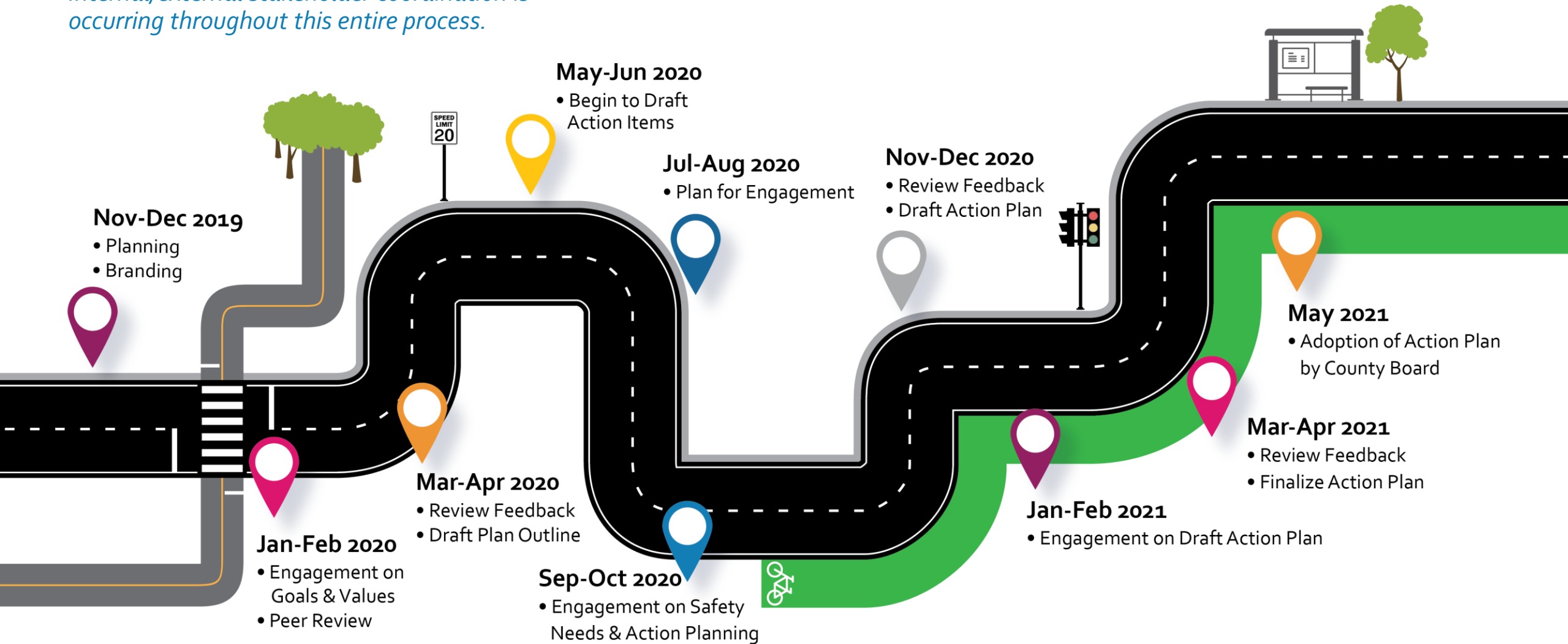
- Vision Zero Network

visionzeronetwork.org/resources/vision-zero-cities/



Timeline - Progress

Internal/external stakeholder coordination is occurring throughout this entire process.



Nov – Dec 2019 Branding & Planning

External Stakeholders Group



25 + representatives from the County's Committees, Commissions, and other key interest groups

Interdepartmental Stakeholders Group

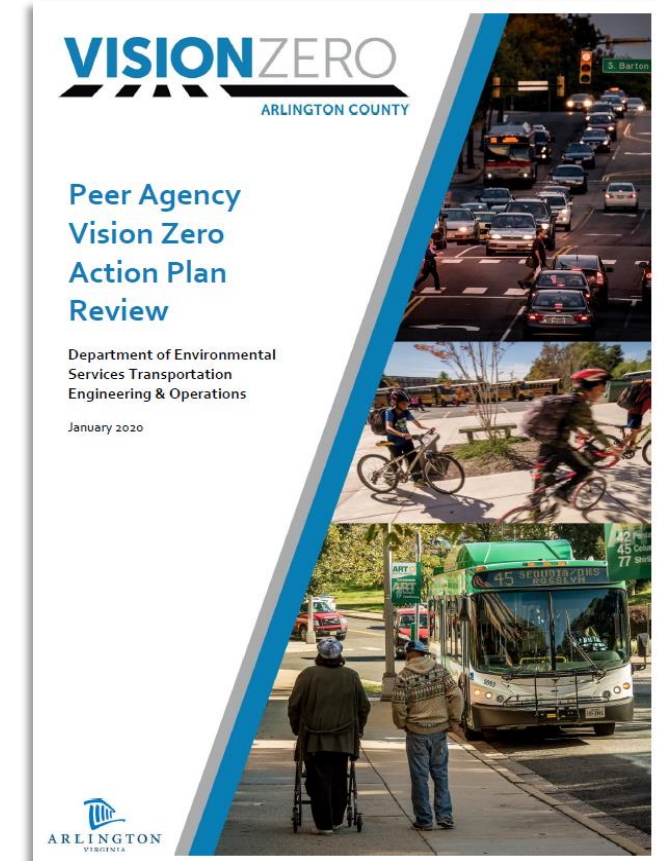
- Community Planning, Housing & Development (CPHD)
- County Manager's Office (CMO)
- Environmental Services (DES)
- Fire Department (ACFD)
- Human Services (DHS)
- Public Health
- Parks and Recreation (DPR)
- Police Department (ACPD)
- Public Safety Communications & Emergency Management (DPSCEM)

Jan – Feb 2020

Peer Review

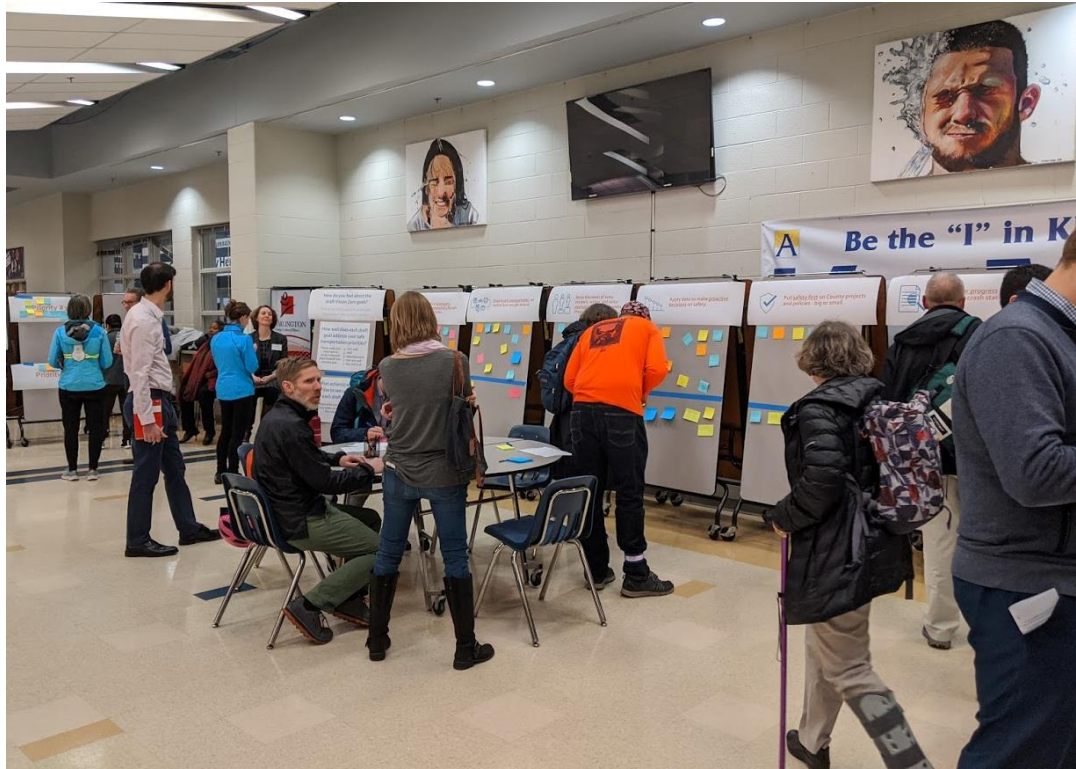
Lessons learned from five peer cities:

- Seek a balanced and strategic approach
- Manage expectations through stakeholder engagement
- Adopt equity-focused analysis and programs
- View public health as a core element in Vision Zero
- Use data to guide plan elements
- Ensure leadership commitment
- Report progress on specific actions
- Develop Vision Zero design guides, manuals, & policies
- Monitor data quality



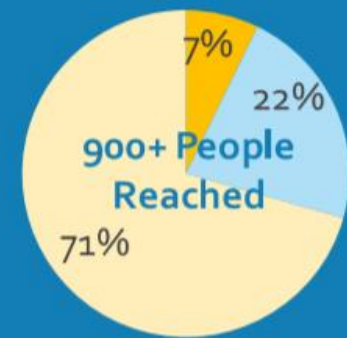
Jan – Feb 2020

Phase I Engagement



How We Shared & Gathered Information

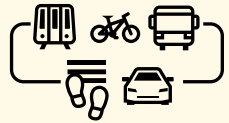
- Online Engagement Form
- Five Pop-up Engagements
- January 28 Open House



Mar-Apr 2020 Review Feedback & Draft Plan Outline

Our Vision Zero Program Will Be...

Our Action Plan Goals



Multimodal

Ensure safe transportation, no matter how you get around.



Safety-First

Put safety first on County projects and policies - big or small.



Transparent & Accountable

Be transparent, responsive, and accountable on Vision Zero progress and outcomes.



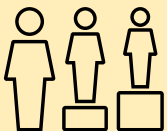
Data-Driven

Apply timely data to take action on safety.



Collaborative

Promote a culture of transportation safety for everyone.



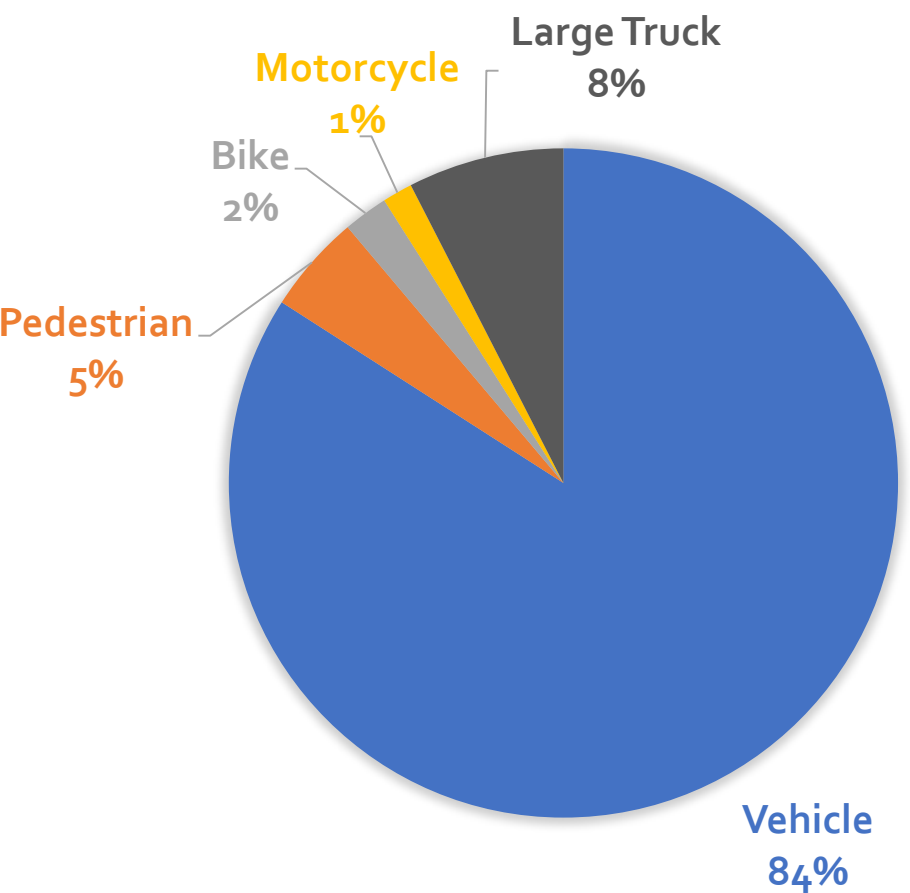
Equitable

Prioritize transportation safety investments equitably in the most vulnerable communities.

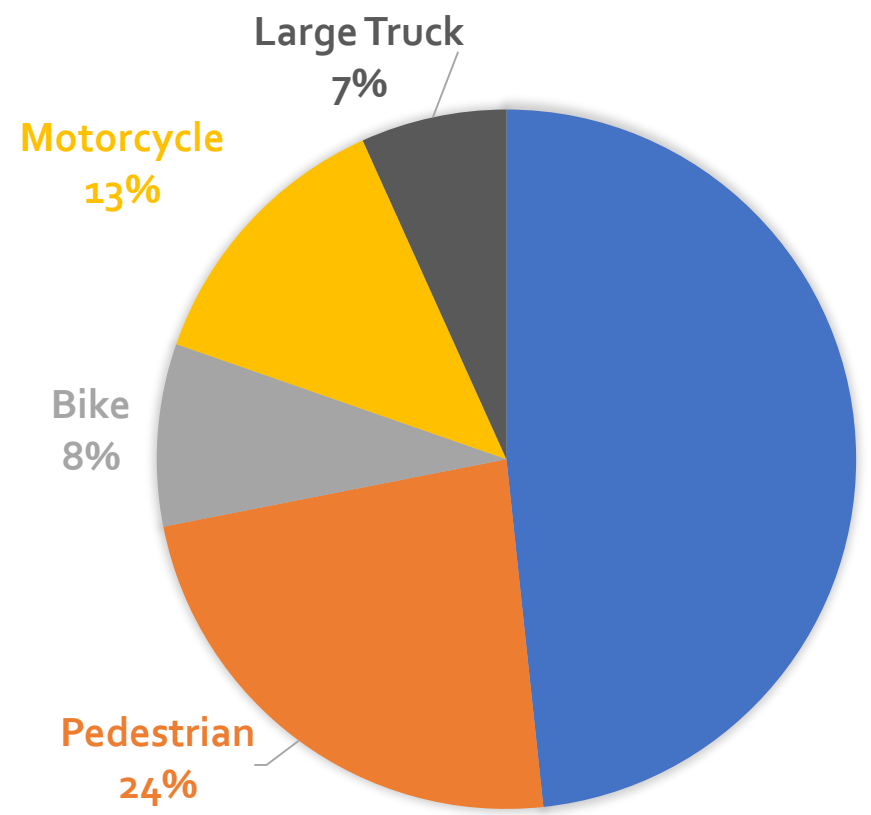
May – Jun 2020

Data Analysis

All Crashes (Count: 7,549)



Serious & Fatal Crashes (Count: 178)



Pedestrian 

5% of Total Crashes
24% of Critical Crashes
50+% of Fatal Crashes

Bicycle 

2% of Total Crashes
8% of Critical Crashes

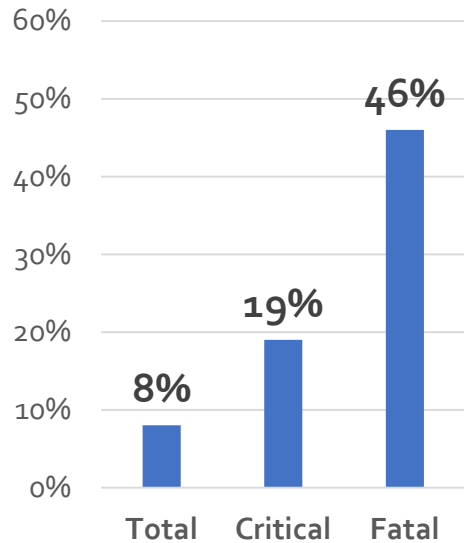
Motorcycle 

1% of Total Crashes
13% of Critical Crashes

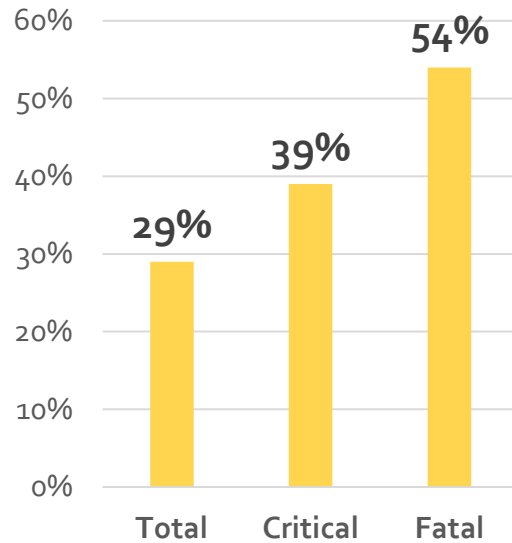
Data Source: Virginia Department of Transportation, 2017-2019

Data Findings: Critical Crash Factors

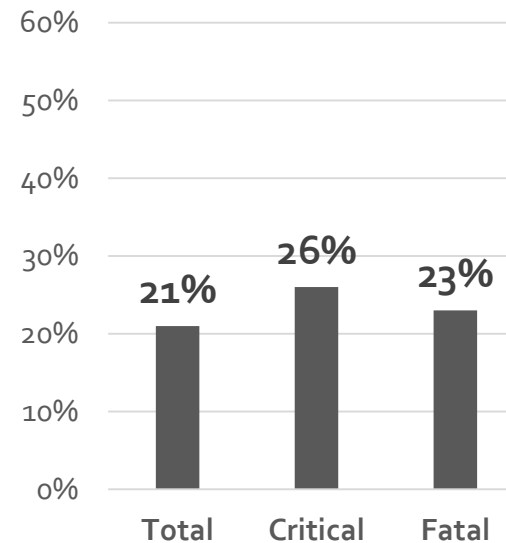
Alcohol (Count: 34)



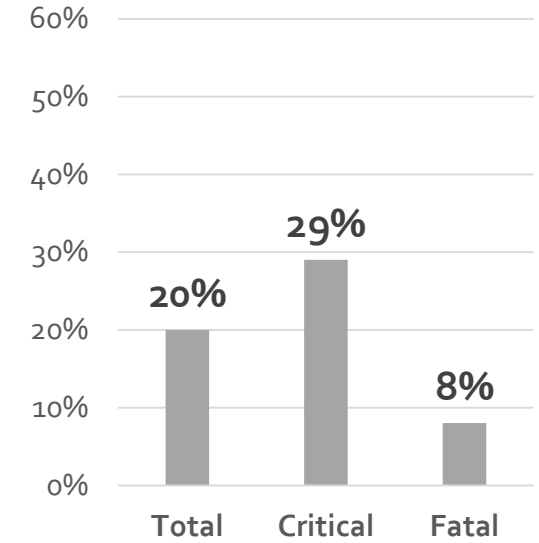
Night (Count: 69)



Speeding (Count: 47)



Turning (Count: 52)



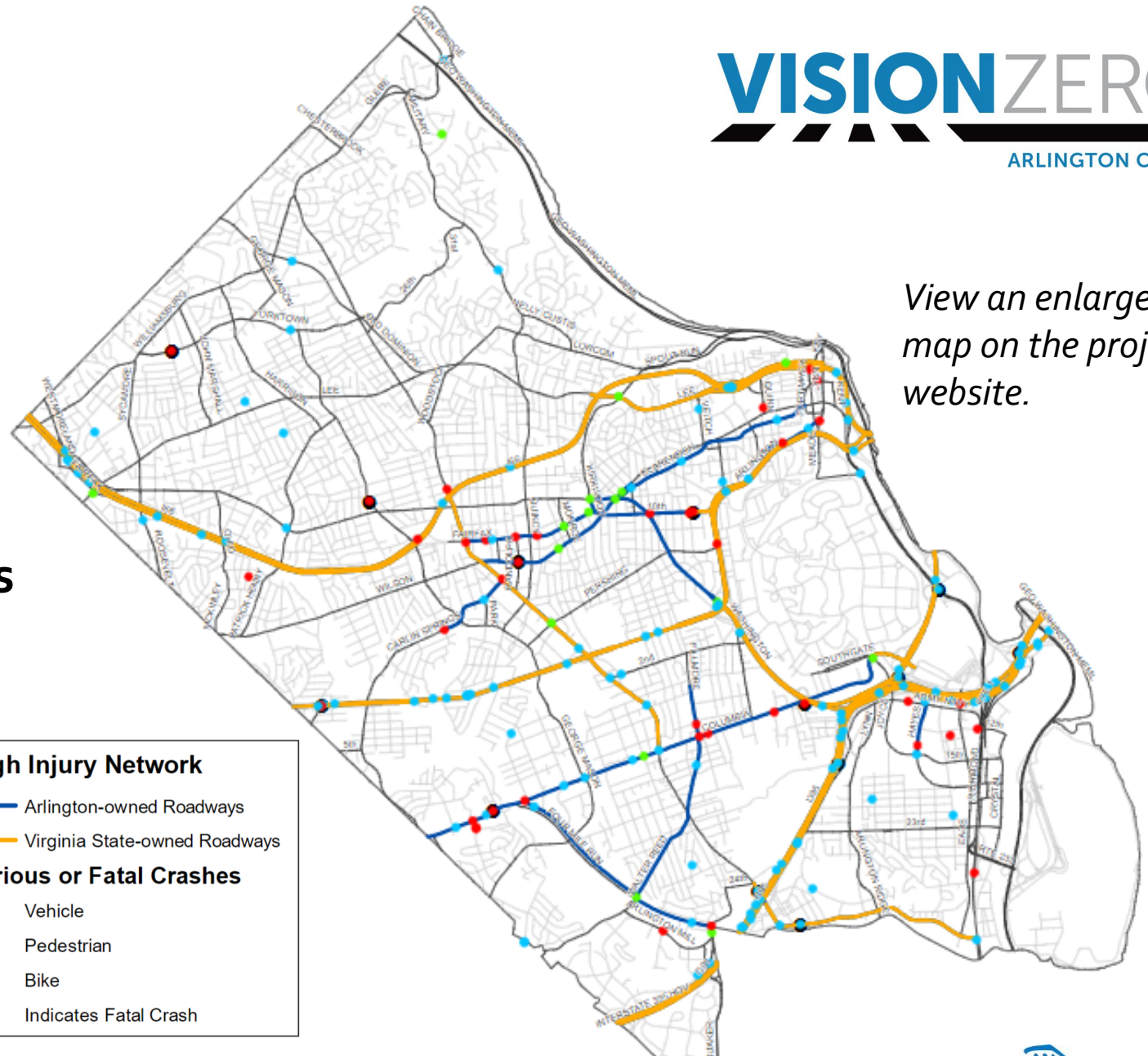
Note: Percentages may not sum to 100% because a crash may involve multiple factors.

Data Source: Virginia Department of Transportation, 2017-2019 (Includes any crash resulting in a serious injury or death)

Data Findings: Mapping

The **High-Injury Network** identifies where our **most critical crashes** are happening.

The roads on this map capture **78% of all serious or fatal crashes** but comprises only **7% of the County's roadways**.



View an enlarged map on the project website.

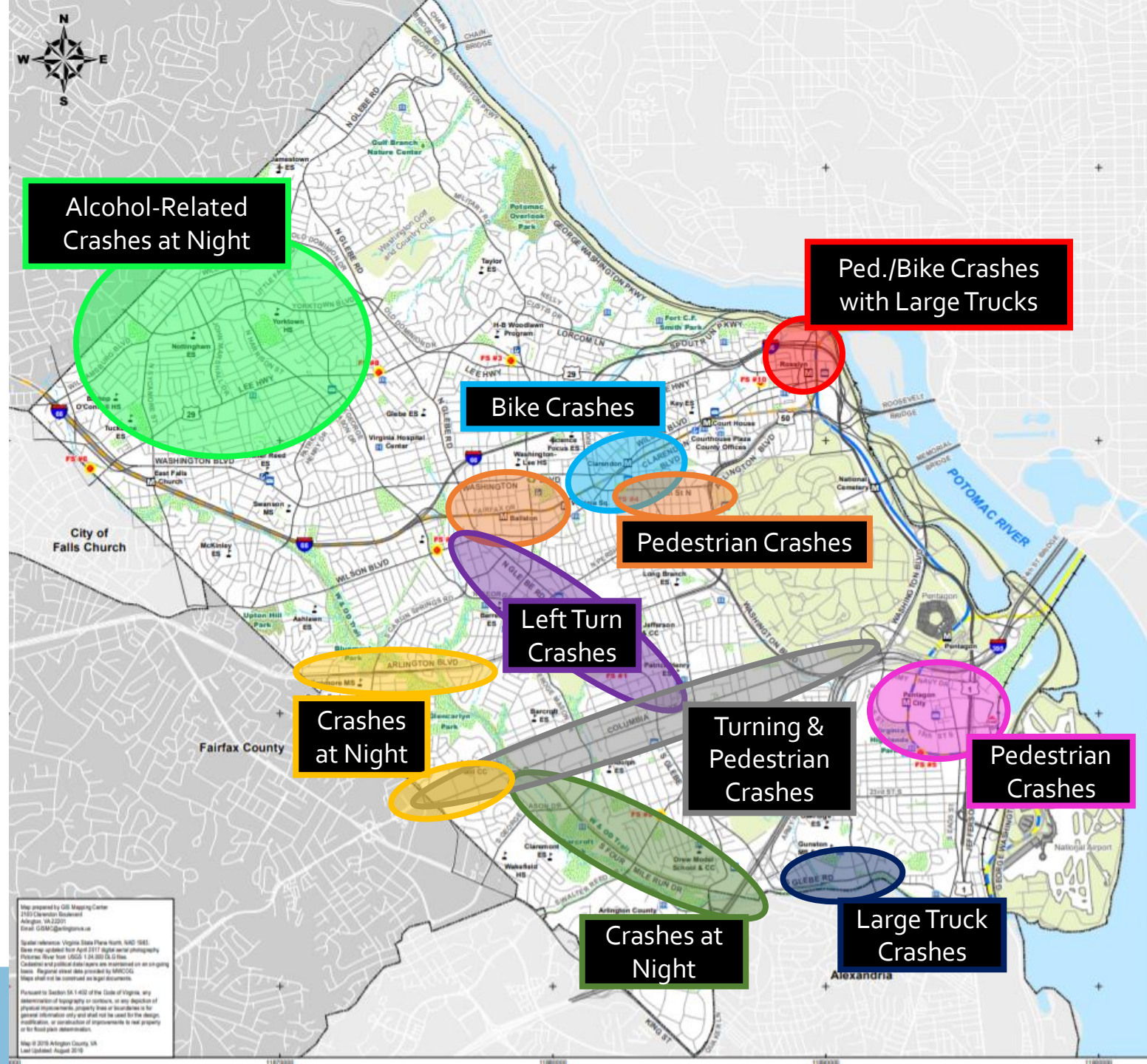
Data Source: Virginia Department of Transportation, 2017-2019 (Includes any crash resulting in a serious injury or death)

Data Findings: Mapping

2017-2019

Analysis of Common Crash Locations and Factors

Analysis of common roadway characteristics or crash types based on location within the County.



Data Source: Virginia Department of Transportation, 2017-2019 (Includes any crash resulting in a serious injury or death)

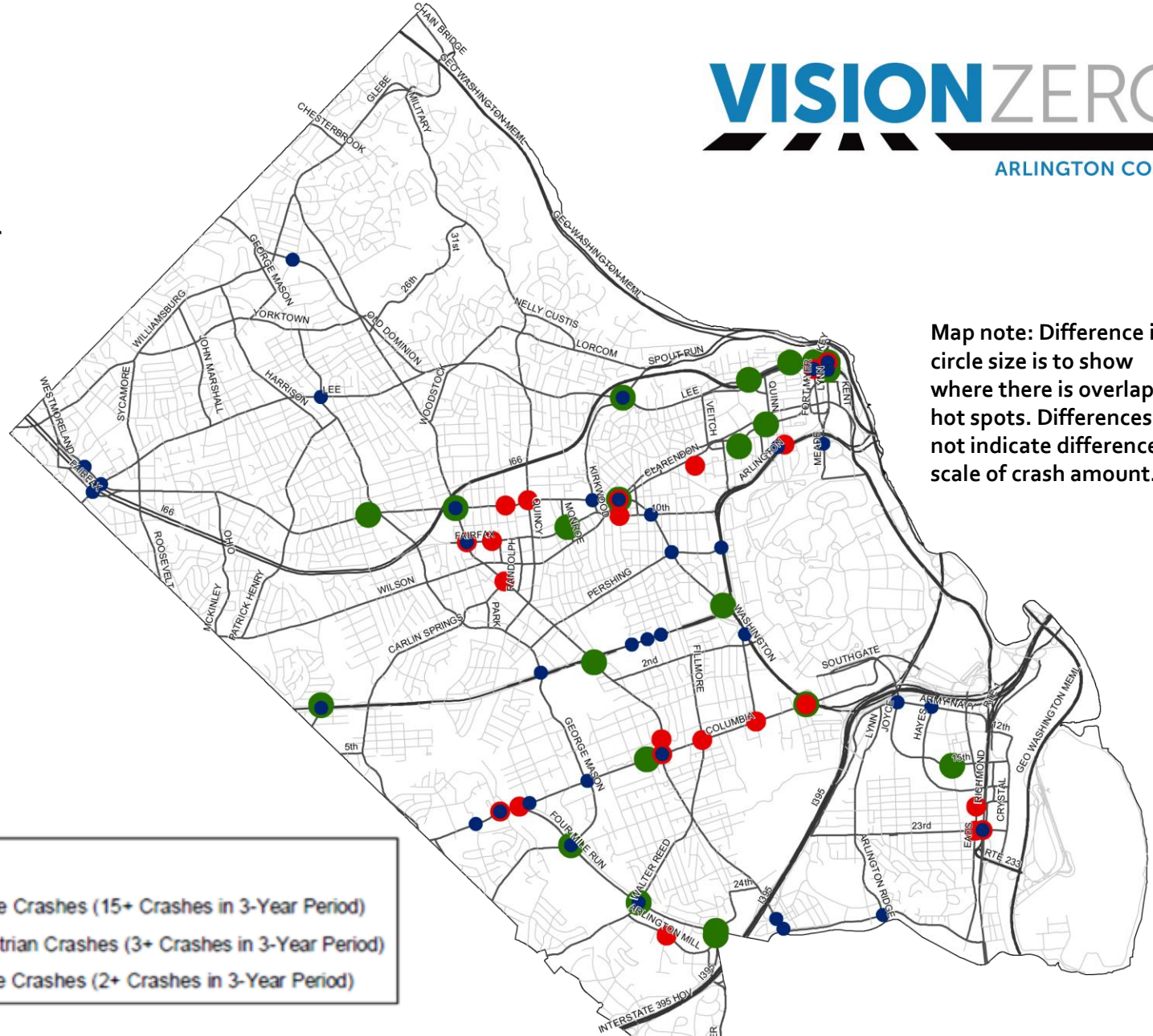
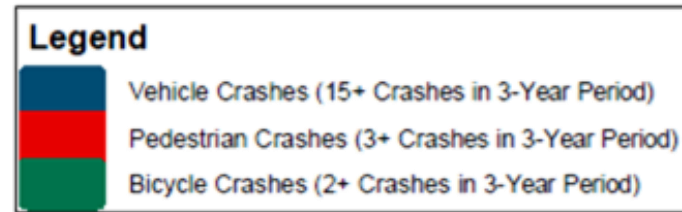
Data Findings: Hot Spots

A review of **all crashes** (regardless of injury level) to identify locations for safety improvements

Conducted on an annual basis by County staff using the past three complete years of data

62% of Hot Spots Overlap with the High-Injury Network

Data Source: Virginia Department of Transportation, 2017-2019



May – Jun 2020

Begin to Draft Action Items

Action items:

- Developed by reviewing data findings/processes
- Include input from:
 - External Stakeholders Group (March 2020)
 - Phase I Public Engagement (Jan/Feb 2020)
 - County Staff/Interdepartmental Stakeholders Group (Ongoing)
- Will evolve based on Phase II Engagement and ongoing conversations with stakeholders.

Jul – Aug 2020 Plan for Phase II Engagement



Outreach Efforts

- Hosted **public meetings** with over 30 live participants
- Posted both public meetings on the **website**
- Sent **postcards to 18,000+ homes** in hard-to-reach Census tracts
- Posted **advertisements on 80 ART buses**
- Posted reminders on the County's **social media** outlets
- Emailed to the Vision Zero and other County **listervs**
- Sent out through **APS channels**
- Sent messaging from **ESG groups**

VISION ZERO
ARLINGTON COUNTY

We want to hear about your experiences!
¡Queremos escuchar sus experiencias!

Provide your feedback through October 30, 2020
Envíe sus comentarios hasta el 30 de octubre de 2020

1 **Share Ideas**
Online form & map input
Formulario y mapa en línea
transportation.arlingtonva.us/vision-zero/

2 **Toll-free phone line**
Línea telefónica gratuita
833 - 459 - 2289
Call to hear questions and share your answers.
Lláme para escuchar preguntas y compartir sus respuestas.

Join Us! **Virtual presentation with Q&A**
Presentación virtual con preguntas y respuestas

- Sept. 30, 2020, 7:00 PM (in Spanish) 30 de septiembre de 2020, 7:00 PM (en español)
Link to join/enlace para unir: tinyurl.com/ReunionVisionCeroArl
- Oct. 1, 2020, 7:00 PM (in English) 1 de octubre de 2020, 7:00 PM (en inglés)
Link to join/enlace para unir: tinyurl.com/VisionZeroArlMeeting
- *Join us live or watch a recording!* *¡Únase a nosotros en vivo o mire la grabación!*

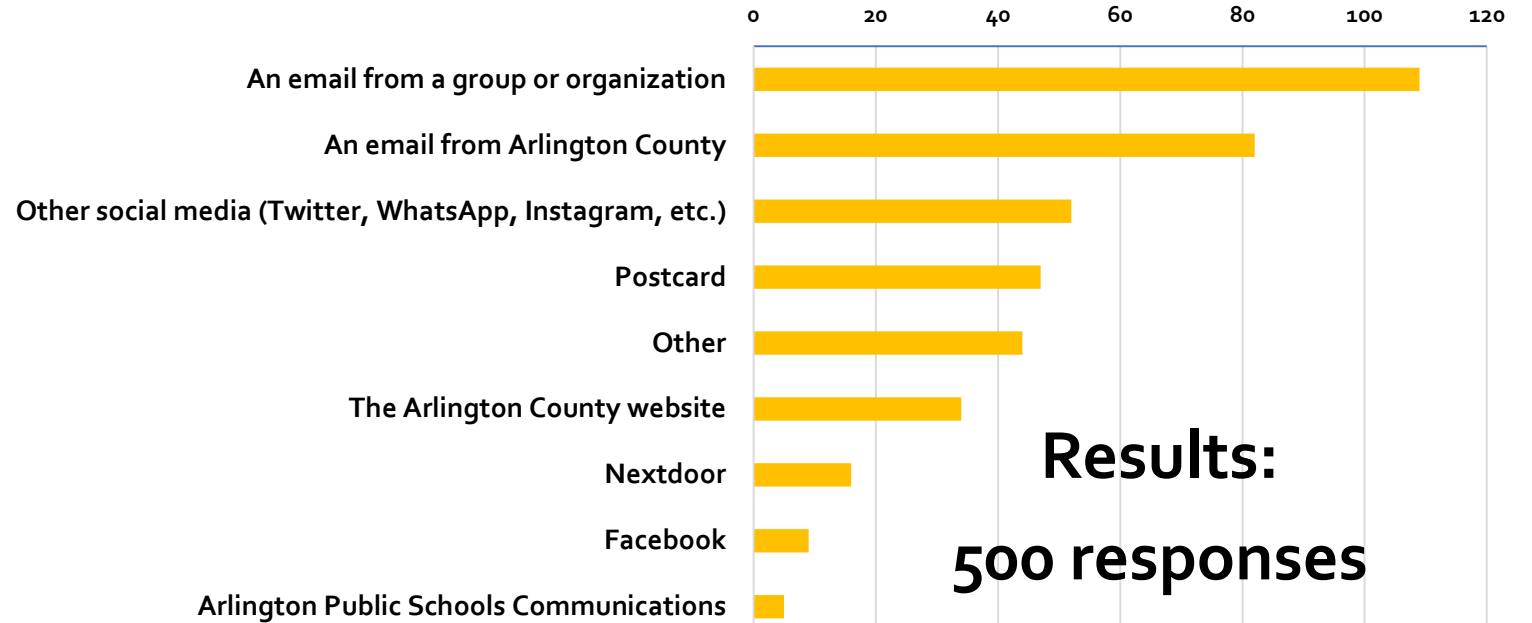
transportation.arlingtonva.us/vision-zero/

Sept – Oct 2020
Engagement & Action Planning

Meetings with Public,
External Stakeholders, &
Interdepartmental
Stakeholders



How did you hear about this call for feedback?

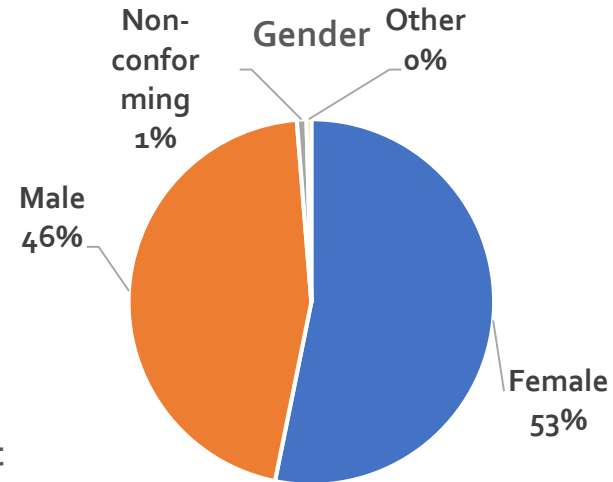


Results:
500 responses
1,600+ map points

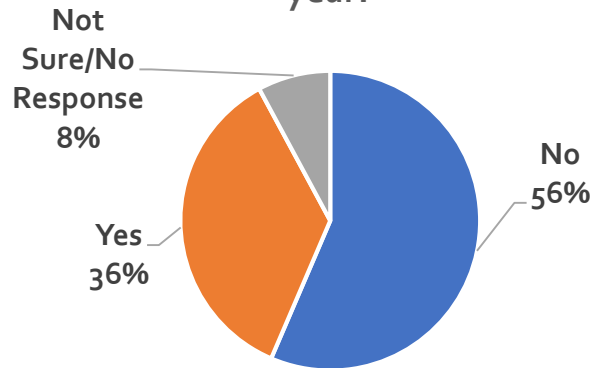
Open September 21 thru October 30, 2020

Phase II Engagement Feedback

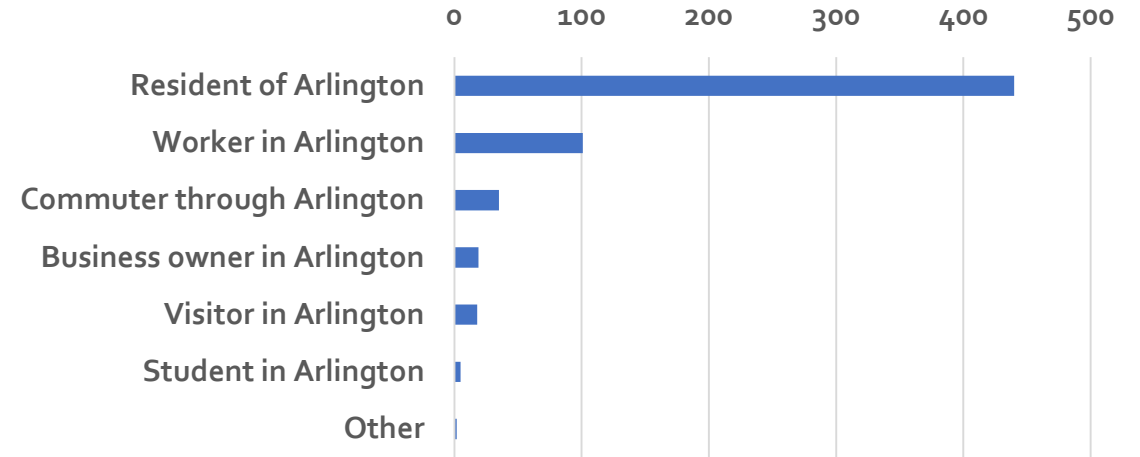
Who did we hear from?



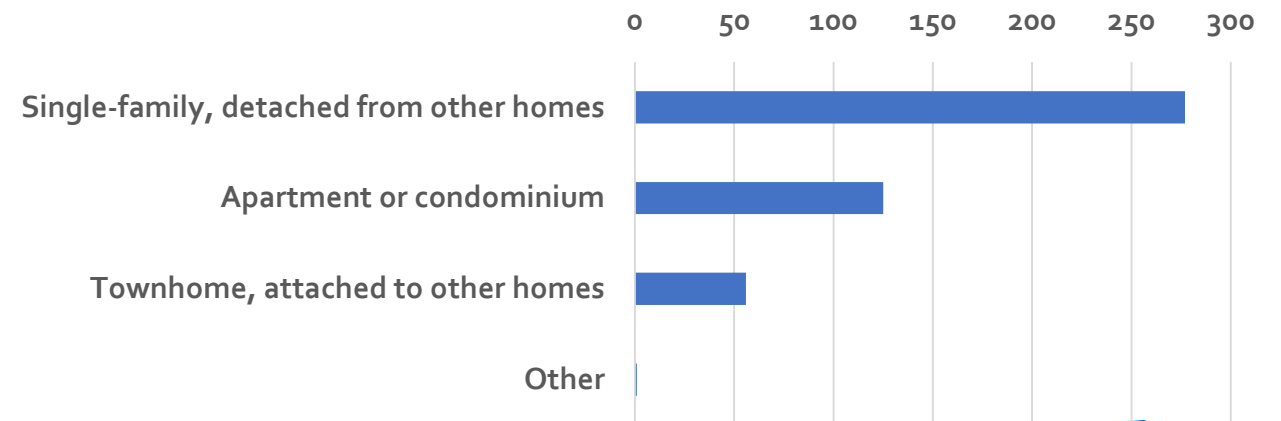
Have you attended an Arlington County public meeting in the past year?



Relationship to Arlington



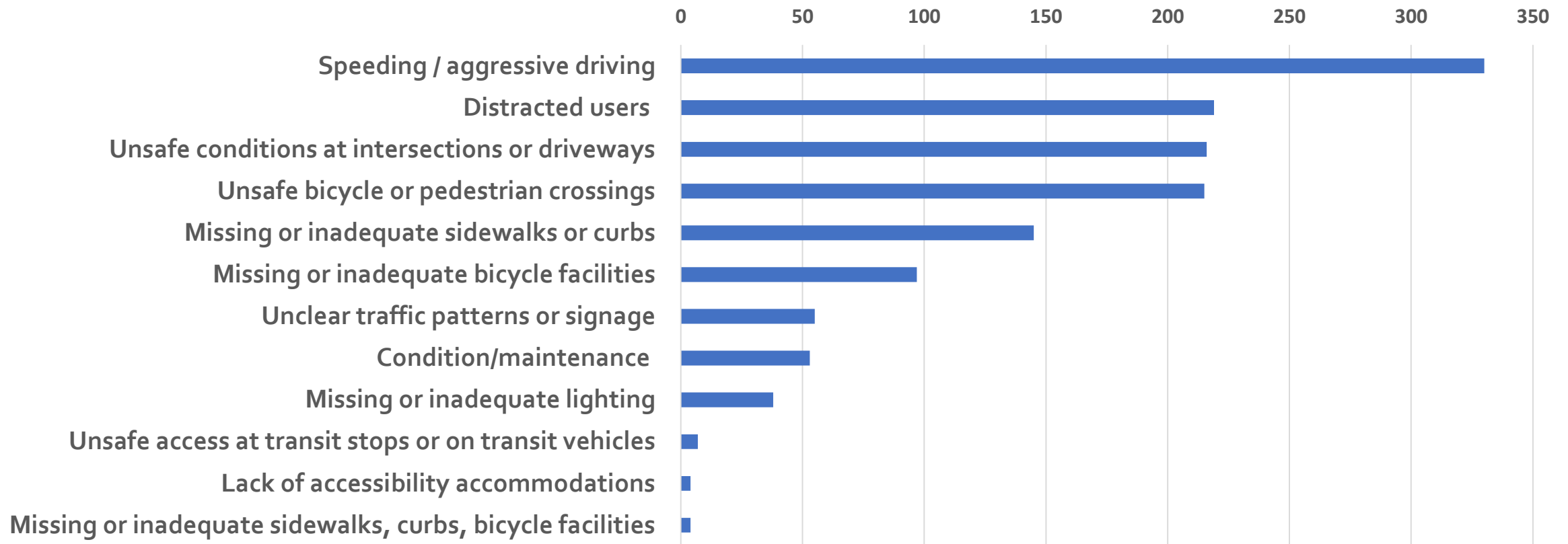
Which type of housing best describes your home?



Phase II Engagement Feedback

Identify the **Top Three Challenges** that affect your ability to travel safely in Arlington

Top Challenges Affecting Travel Safety (496 Responses)

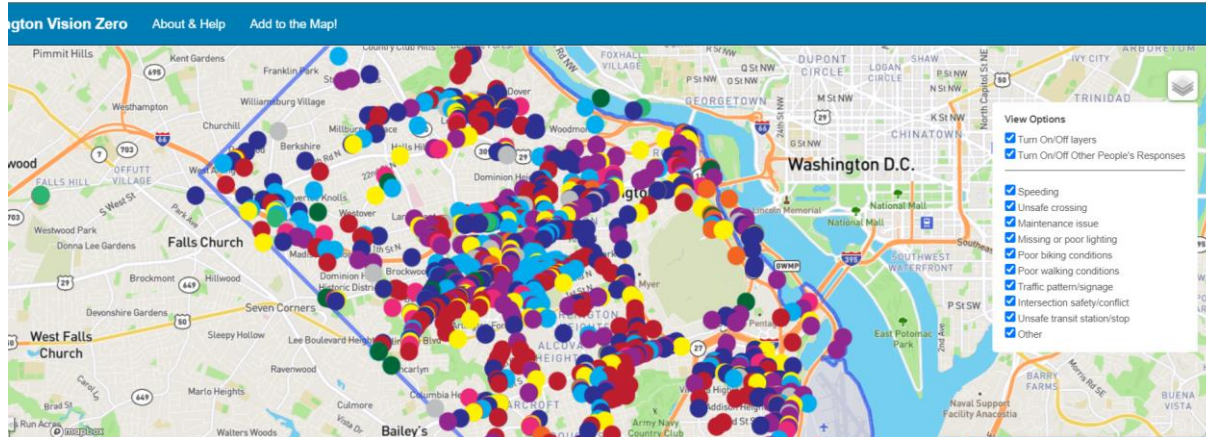


Phase II Engagement Feedback

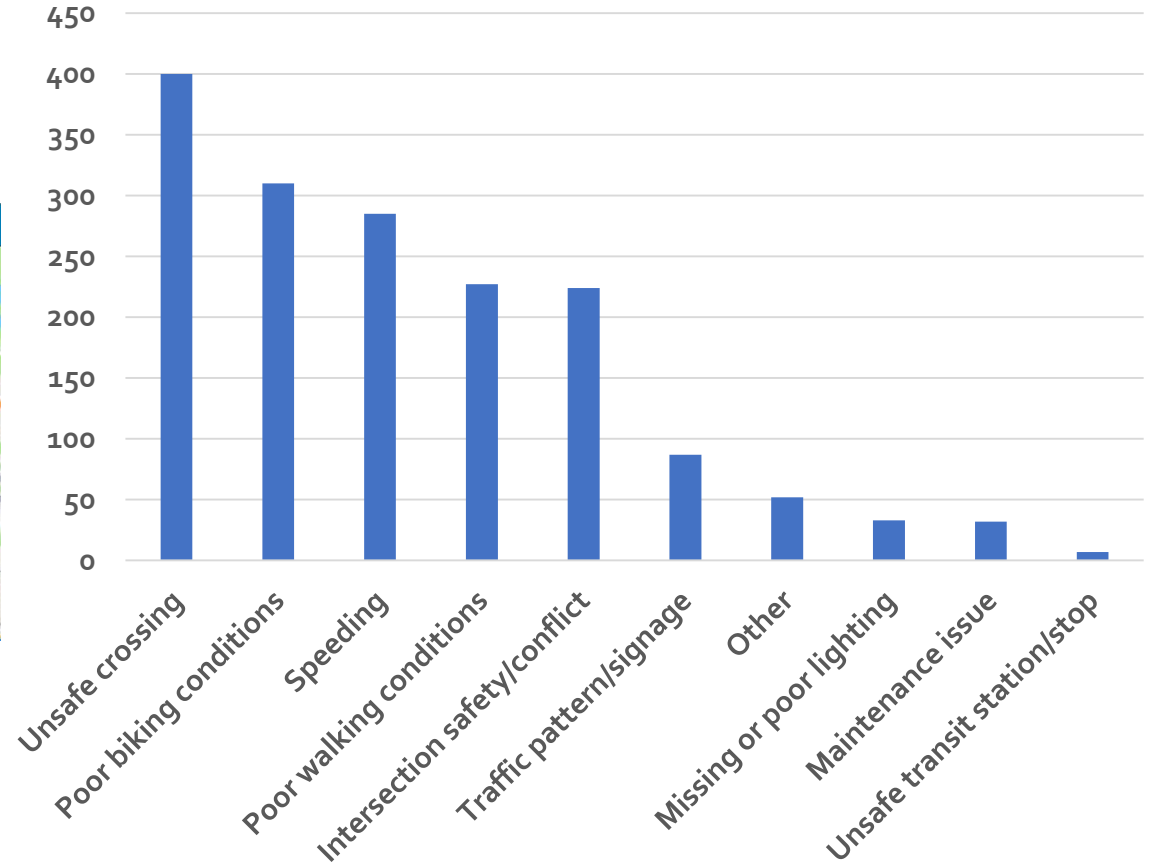


Activity Instructions

- 1) **Locate your transportation safety issue:** Click and drag your cursor to pan the map, and use the scroll (+/-) button to the left to zoom in and out.
- 2) **Select your feedback type:** Click "Add to the Map!" in the blue bar and choose a category from the options provided.
- 3) **Add it to the map:** Click once to drop a point on the map. If you want, you can tell us more in a comment.
- 4) **Click 'Submit'.**
- 5) **You can also click on comments that others have made, and indicate whether you agree or disagree.**

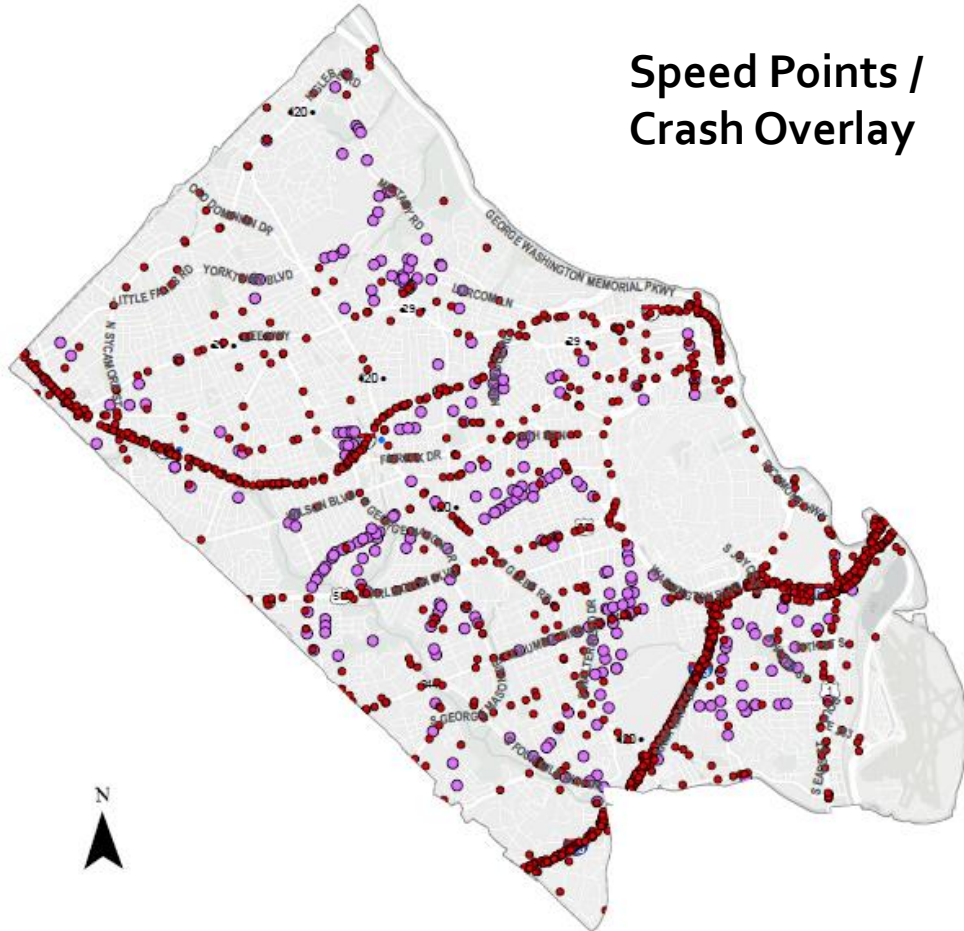


Map Point Category Summary



Phase II Engagement Results

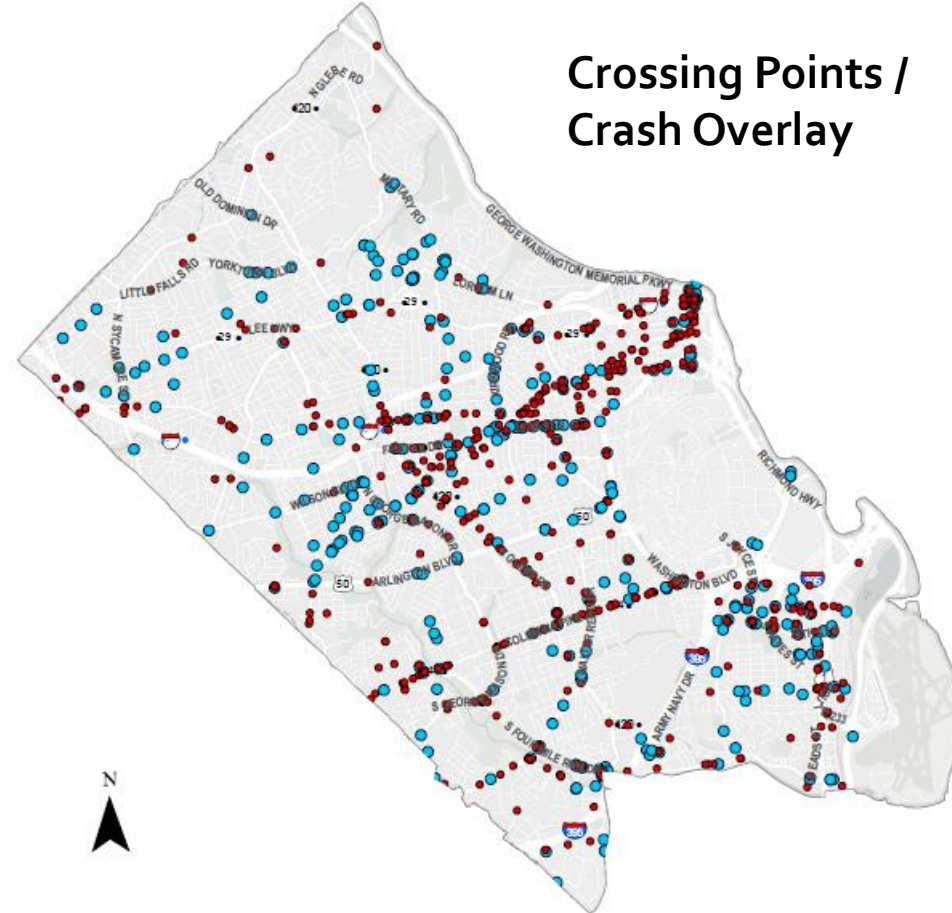
Speed Points / Crash Overlay



Responses

- Speeding
- Speed Related Crashes

Crossing Points / Crash Overlay



Responses

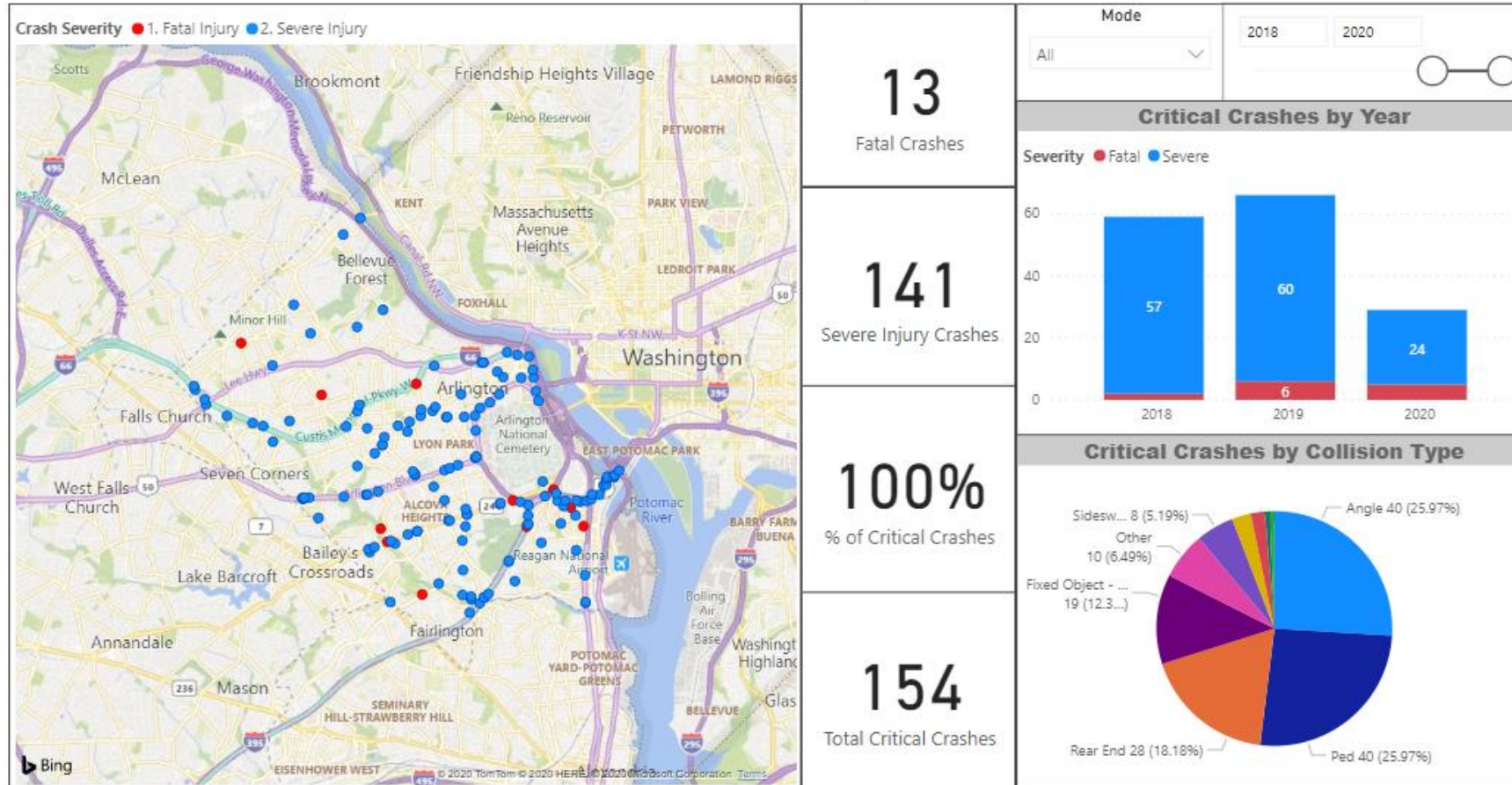
- Unsafe crossing
- Crossing Crashes

Tracking Progress: Dashboard

Arlington County Crash Analysis - Critical Crashes

Last Updated: 10/30/2020 3:05:55 PM

Crash Data from 1/01/2013 through 8/31/2020



Notes:

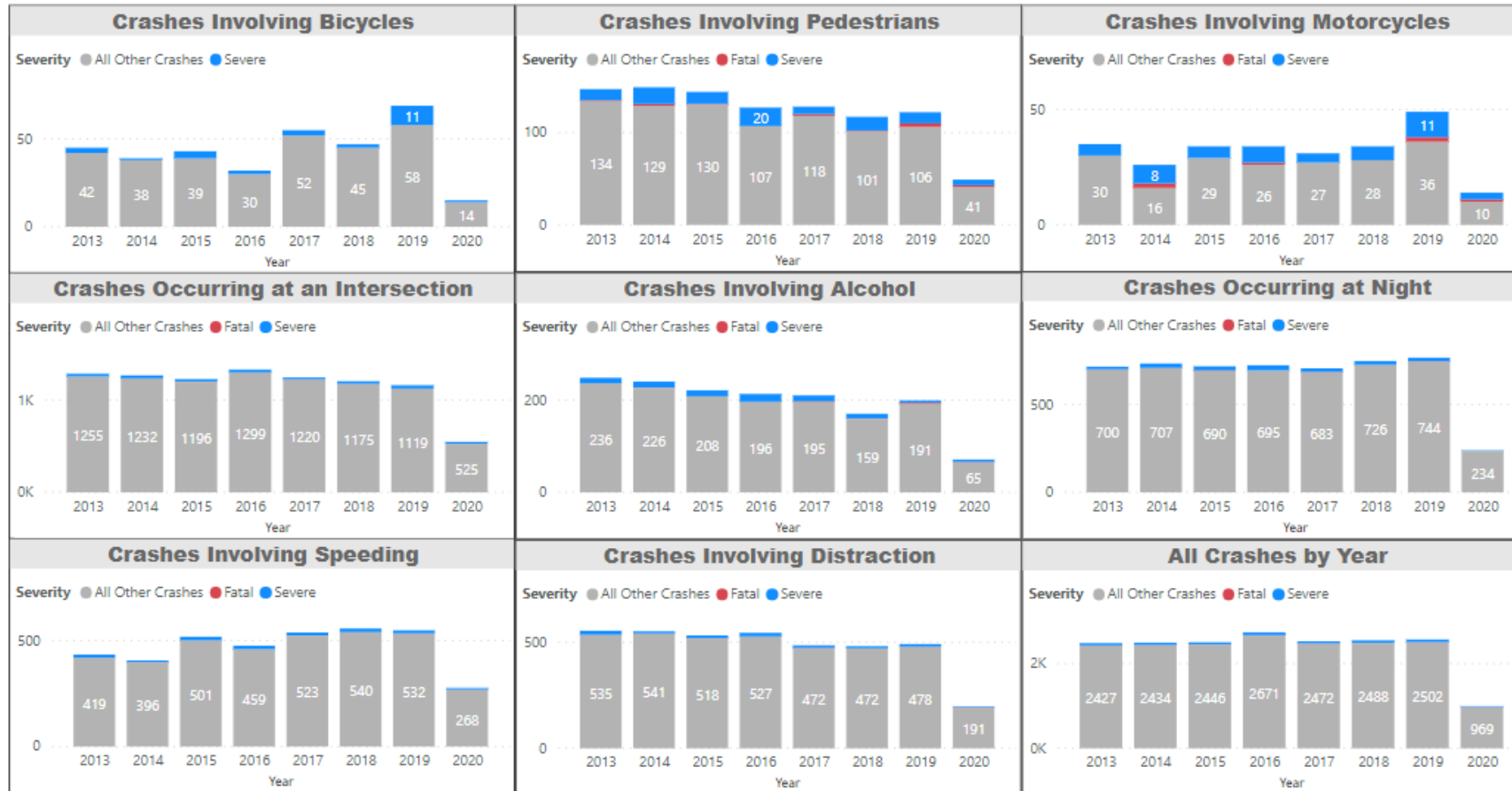
1. The data shown on the dashboard was developed by the VDOT CO TED Highway Safety Section. The main source of the data is owned and maintained by DMV.
2. Maps are able to show up to 3,500 crashes at a time. Please adjust query or map view to capture desired crash features.
3. "Critical crashes" are defined as any crash that resulted in at least one severe or fatal injury.

Tracking Progress: Dashboard

Arlington County Crash Analysis - Trends

Last Updated: 10/30/2020 3:05:55 PM

Crash Data from 1/01/2013 through 8/31/2020



Notes:

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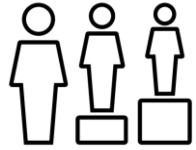
Action Items are divided into five categories:

1. **Overarching Policy** 
2. **Data & Evaluation** 
3. **Process & Organization** 
4. **Engagement** 
5. **Partnerships** 

Vision Zero is about changing the way that we do things.

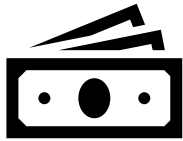
This means a lot more collaborating, reporting, and shifting the way we operate day-to-day.

Overarching Policy



• Equity

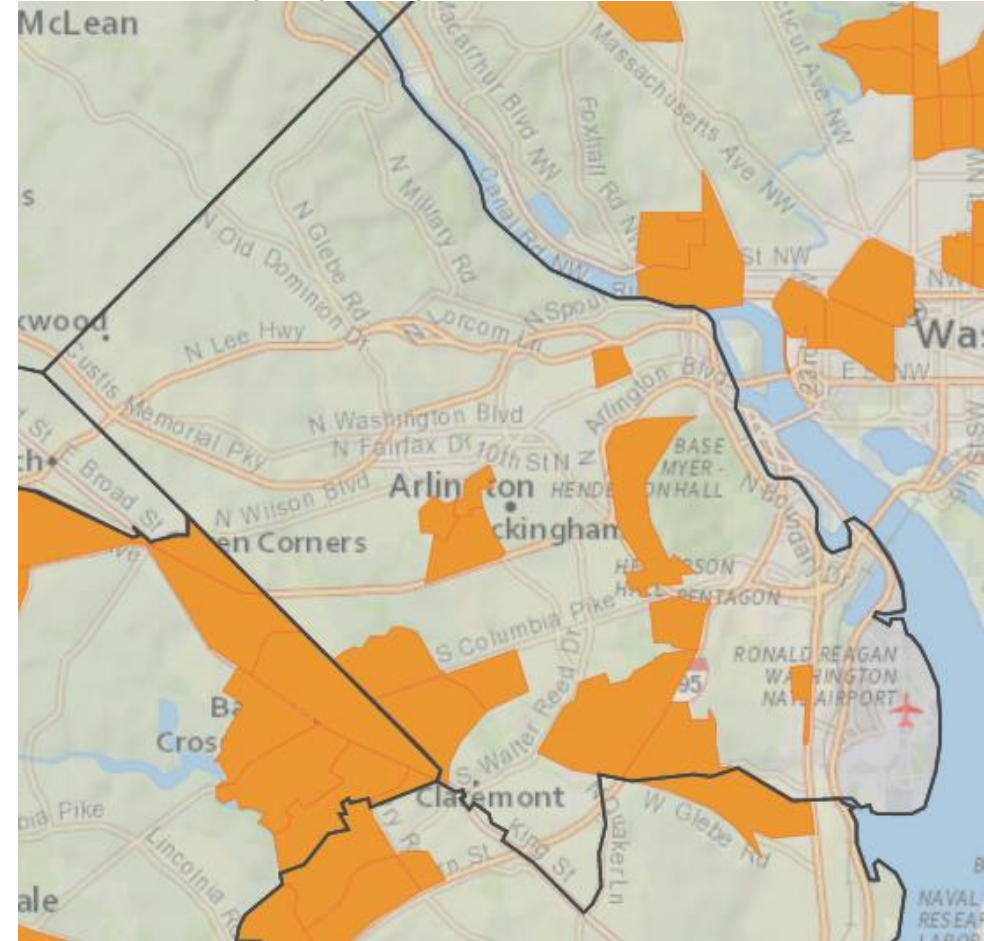
- Prioritize investments and engagement in equity emphasis areas and on our HIN



• Funding & Resources

- Establish a dedicated funding source for safety projects and programs
- Designate Vision Zero program staff

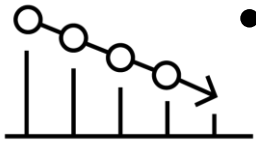
MWCOG Equity Emphasis Areas





• Safety Data Improvement

- Improve crash data reporting processes and quality
- Evaluate supporting data sources (citations, speeds, near misses, land use, etc.)



• Crash Analysis

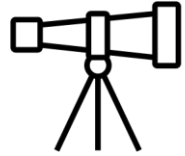
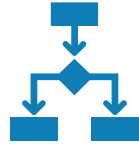
- Enhance annual crash analysis to focus on severe crashes and systemic issues
- Respond to severe crashes quickly through interdisciplinary analysis



• Progress Reporting

- Report on progress annually (Annual Report) and actively (Website/Dashboard)
- Host an annual community benchmark survey on transportation safety
- Conduct before/after studies to inform future decisions

Process & Organization



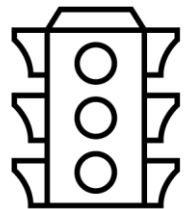
• Planning

- Update the Master Transportation Plan to encompass all modes with safety as a cornerstone
- Use safety and equity as project evaluation criteria



• Design

- Review speeds and speed limits holistically
- Establish an engineering toolbox
- Revisit guidelines/policies for tool deployment



• Operations & Maintenance

- Guide traffic enforcement activities with safety data
- Enhance infrastructure inventories
- Integrate safety needs as criteria for maintenance procedures
- Enhance the safety of active construction areas through planning and monitoring



• Public Involvement

- Ensure community engagement efforts consider populations of all abilities, ages, languages, incomes, races, ethnicities, and neighborhoods
- Create a one-stop-shop on the County website to report safety or maintenance issues
- Broaden communication of transportation safety programs and projects



• Education & Training

- Enhance community knowledge through targeted education efforts and programs
- Require County staff to participate in a Vision Zero training

Partnerships



- Intra-agency

- Collaborate across departments on transportation safety activities
- Integrate Vision Zero principles into other County planning updates



- Interagency

- Streamline coordination with VDOT on safety issues on state roadways
- Partner with neighboring jurisdictions, agencies, and other organizations on cross-border issues, infrastructure, regulations, and legislation



- Collaborators

- Work with stakeholders (APS, commissions, etc.) to gather and share information
- Ensure County contractors are committed to safety and equity
- Coordinate on safe policies and operations with transportation service companies (TNCs, scooters, etc.)

Next Steps

- We will adjust and prioritize actions using input from:
 - Phase II Public Engagement (October 2020)
 - External Stakeholders Group (November 2020)
 - County Staff/Interdepartmental Stakeholders Group (Ongoing)
- We will continue to use feedback from these outlets to adjust and prioritize the actions.
- We plan to finalize the action list by late 2020.

Timeline: Looking Forward

Internal/external stakeholder coordination is occurring throughout this entire process.

