

The word "HALIFAX" in a bold, white, sans-serif font, positioned in the upper right corner of the slide. The background features a dark blue geometric shape in the top right and a lighter blue shape in the bottom right, meeting at a diagonal line.

HALIFAX

Hazard, Risk and Vulnerability Assessment (HRVA)

Virtual Public Engagement Session
Fall 2023

Emergency Management Office

Land Acknowledgement

The Halifax Regional Municipality is located in Mi'kma'ki, the ancestral and traditional lands of the Mi'kmaq people. The municipality acknowledges the Peace & Friendship Treaties signed in this Territory and recognizes that we are all Treaty People.

INTRODUCING THE HRVA



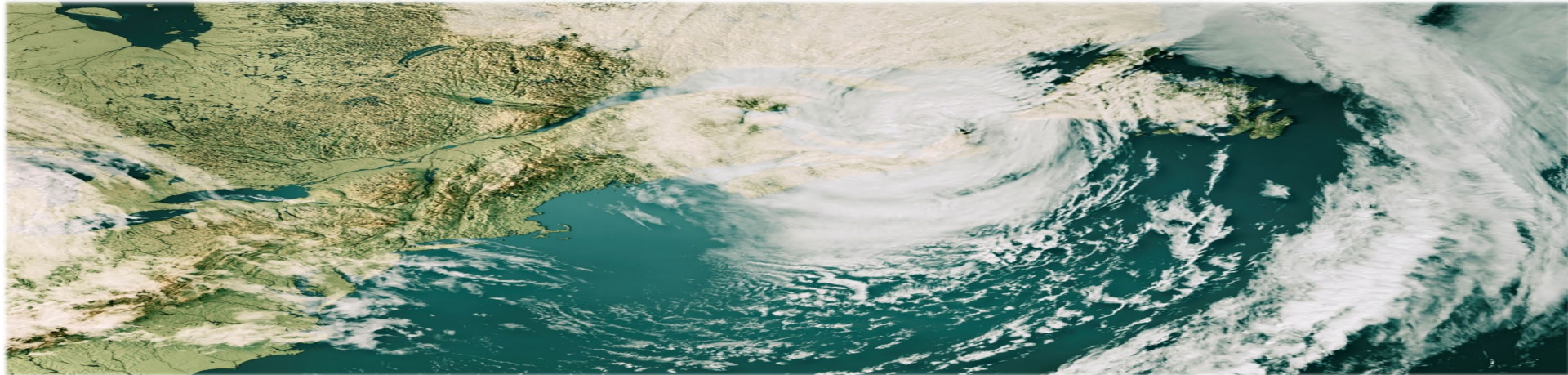
Multi-dimensional and collaborative process to identify potential hazards, likelihood of occurrence and severity of consequences a community may experience in an emergency event.



~2 Years



Entire Geographic Area of of HRM



WHY IS AN HRVA IMPORTANT?



Communities are always impacted by small- or large-scale hazards.



We need to better understand how to mitigate and prepare for these events.



An HRVA will inform and improve decisions are made, aid in risk mitigation center community resiliency.

BENEFITS OF AN HRVA

1

Collaborative process that increases awareness and education.

2

Results in effective emergency planning and increased community preparedness.

3

Informs recommendations for resource allocation and support for municipal services.



KEY TERMS DEFINED

Potential Hazards	Risks	Vulnerabilities
Sources of harm to human health, infrastructure, natural environment and social vulnerabilities.	Severity and possibility of impacts.	Conditions that may be influenced by physical, social, economic, cultural and environmental factors which increase impacts of a hazard on a community.

Natural Hazards



Atmospheric Hazards

- Extreme Heat/Cold
- Extreme Rainfall
- Extreme Snowfall
- Snowstorms and Blizzards
- Extreme Weather Events
(Hurricanes/Tropical Storms/etc.)



Geological Hazards

- Earthquake
- Avalanche
- Mudslides



Hydrological Hazards

- Lake, River, Stream Flooding
- Coastal Flooding
- Flash Flooding
- Storm Water Flooding



Hydrological Hazards (Drought)



Wildfire/Structure Fires

Technological & Human Hazards



Infrastructure Failure

- Dam Failure
- Structure Failure
- Dike Failure



Interruption to Critical Services

- Water Service Interruption
- Wastewater Interruption
- Fuel Source Interruption
- Food Source Interruption
- Electrical Interruption
- Telecommunications Interruption



Security

- Cyber Security Threat
- National Security Threat
- Public Disturbance



Hazardous Materials and Explosions

- Explosions
- Hazardous Material Spills
- Oil or Gas Pipeline Spills
- Mine Incident

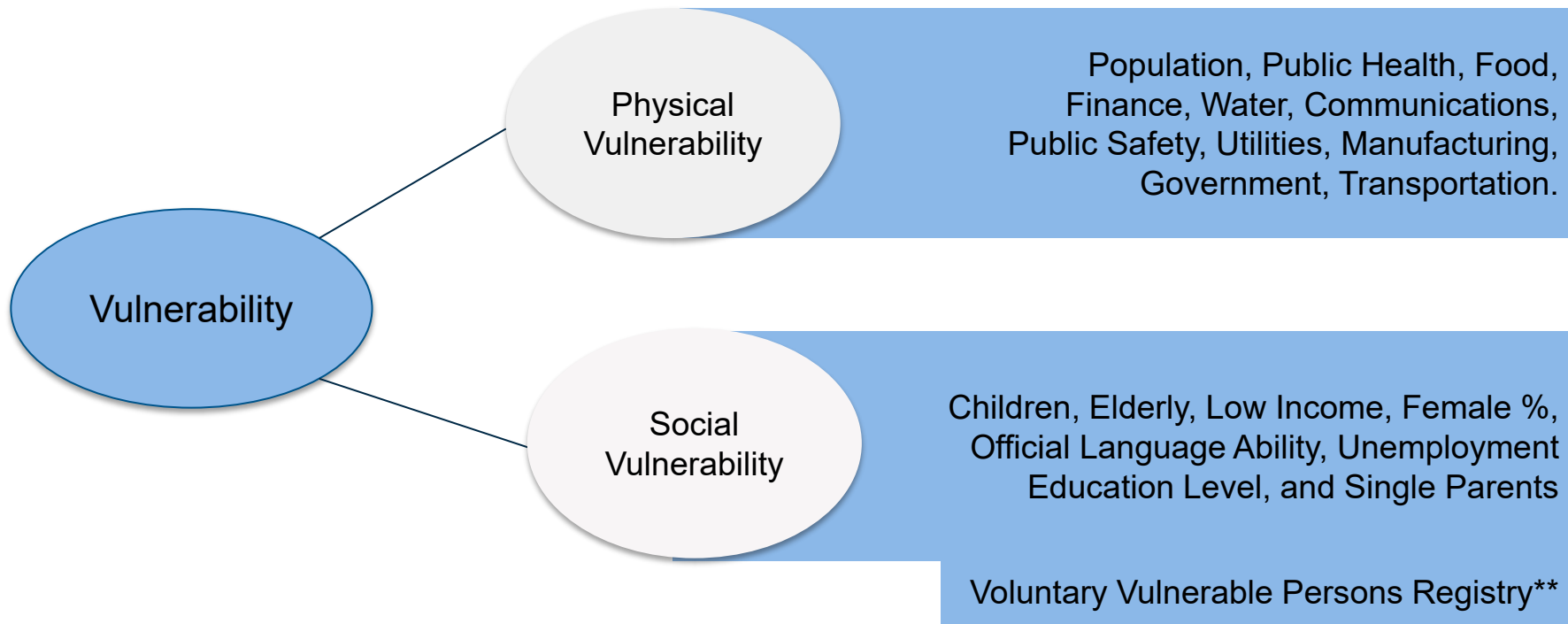


Disease and Epidemic

- Human Disease
- Plant Disease
- Public Health Crises
- Cyanobacteria Outbreak

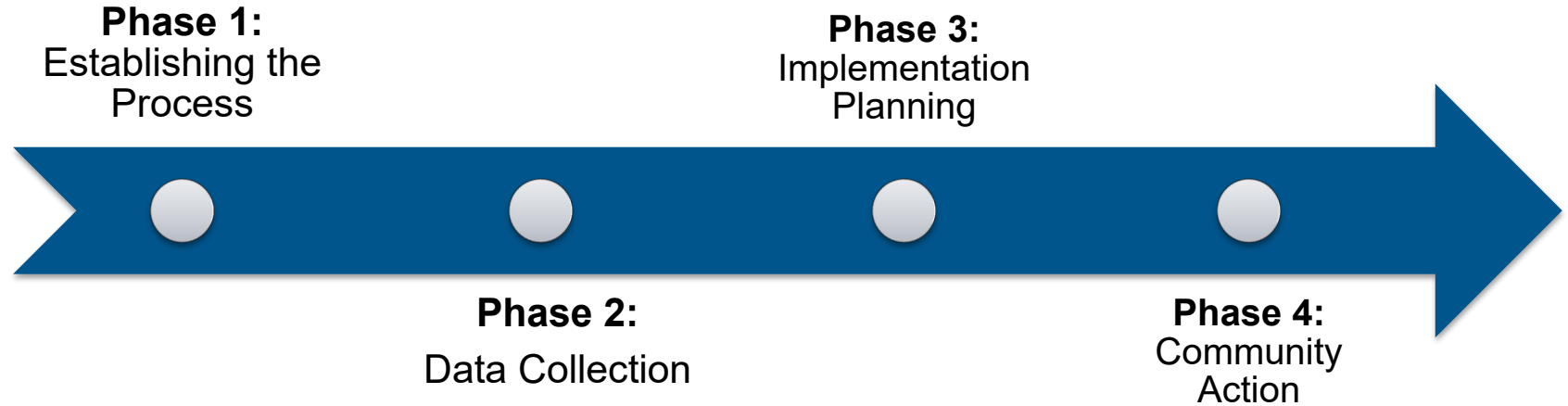


Transportation (Aircraft/Marine Vessel/Rail/ Road Incident)

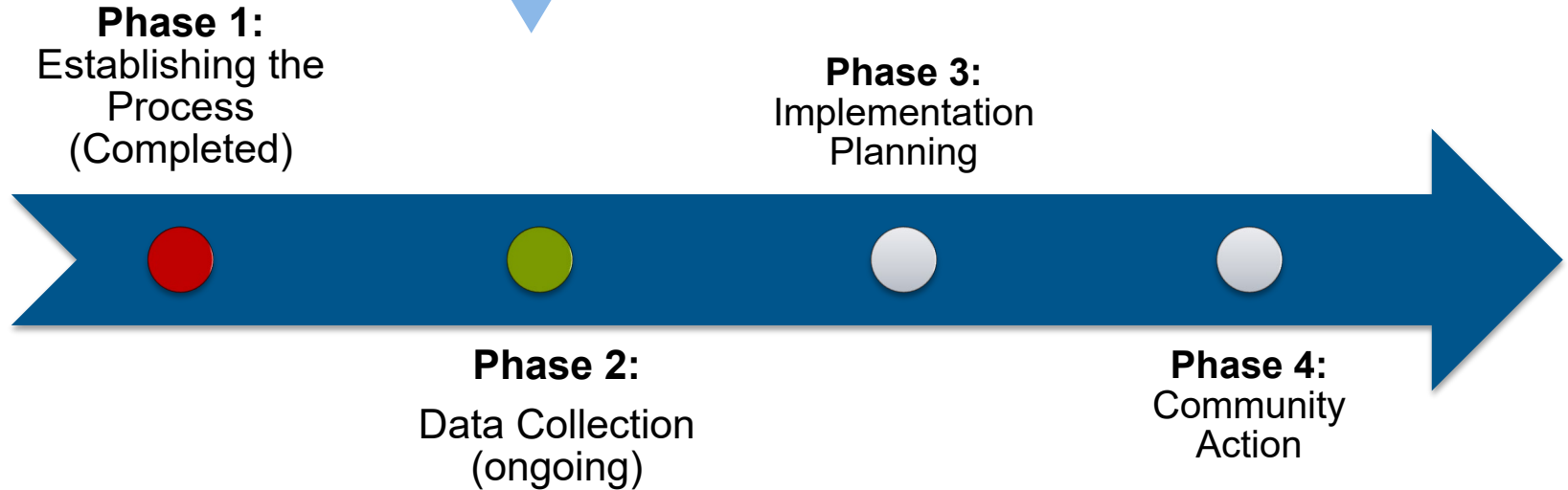


Risk = Likelihood x Severity

Project Timeline



This phase involves engaging with stakeholders and communities to identify hazards, collect datasets, complete profiles, prioritize risks and identify mitigation strategies.



Why Should I Participate in the Process?

Information
you provide is
vital to guiding
the process.

Influence
decision-
making.

Increase your
personal
preparedness.

Active
participation in
resiliency
planning.

How Can I Participate?



Attending your nearest public engagement session.



Completing the HRVA survey.



Providing feedback to help improve our process.

HRVA Survey

- No personal information collected beyond polling district.
- Survey is comprised of 5 sections:
 - District you live in
 - District you work in
 - Basic household information
 - Community Description
 - Personal Preparedness
- Can be completed within 15 minutes.



**To learn more, fill out the survey
and make your voice heard:**

Visit: shapeyourcityhalifax.ca/hrva

Email: hrm_emo@halifax.ca