• Moving Towards Zero adoption at most cities includes both zero traffic related fatalities and serious injuries target.

• Before the pilot the City had very limited information related to serious injuries to be able to track our progress.

• Four hospitals provided data of patient arrival to the Emergency Department

• Serious injuries were defined as a patients being admitted to hospital
OBJECTIVES:
• Quantify serious injuries
• Understand injury demographics
• Insight on non-motor vehicle collisions
VGH treats the majority of patients and the most severe injuries, as it is the only level 1 adult trauma center in Vancouver.

Source: VGH, SPH, MSJ Traffic Injury Data (2011-2016)
BCCH Traffic Injury Data (2011-2013)
Traffic-related injuries are the 2\textsuperscript{nd} highest cause of serious injuries arriving at VGH.
Vulnerable road users are the most susceptible to fatalities and serious injuries.

Fatalities:
- Pedestrian: 60%
- Motor Vehicle Occupants: 23%
- Motorcyclists: 13%
- Cyclists: 4%

Serious Injuries:
- Pedestrians: 35%
- Motor Vehicle Occupants: 32%
- Motorcyclists: 10%
- Cyclists: 4%

Property Damage:
- Motor Vehicle Occupants: 97%
- Pedestrians: 1%
- Cyclists: 1%
- Motorcyclists: 1%

Source:
- VPD Traffic Fatality Data (2011-16)
- VGH Hospital Injury Data (2011-16)
- ICBC Collision Data (2011-16)
Fatalities
Serious Injuries
Minor Injuries
Property Damage

On average each year in Vancouver:

- Fatalities: ~15
- Serious Injuries: ~300
- Minor Injuries: ~3,000
- Property Damage: ~45,000

Source of Data:
- VPD
- Hospitals
- ICBC

*Injuries and property damage are based on number of collisions, Fatalities are total number of people.
VGH Serious Injury Patients by Mode and Year

Source: VGH Traffic Injury Data (2011-2016)
Hospital Injury Data Pilot

VGH Serious Injury Patients per 10,000 Daily Trips

Sources:
Translink Trip Diary 2011
COV Panel Survey 2013-16,
VGH Traffic Injury Data 2011-16
1. Enhance Collision & Injury Data: Hospital Injury Data Summary

Seniors: Higher risk of fatality & serious injuries

**Serious Injuries by Age**

- **0-14**: 10%
- **15-24**: 20%
- **25-34**: 30%
- **35-54**: 40%
- **55-64**: 30%
- **>=65**: 20%

**Fatalities by Age**

- **0-14**: 5%
- **15-24**: 10%
- **25-34**: 20%
- **35-54**: 30%
- **55-64**: 25%
- **>=65**: 45%

Hospital Injury Data Summary

- 38% of cycling related serious injuries do not involve a motor vehicle

All Cycling Serious Injuries

- Involving motor vehicle: 41%
- Non-motorized: 21%
- Unknown motor vehicle involvement: 38%

Non-Motorized Cycling Serious Injuries

- Single Cyclist: 50%
- Cyclist - Unknown: 8%
- Cyclist - Pedestrian: 6%
- Cyclist - Cyclist: 36%

BC Ambulance Data: Coming Soon

- Help improve gaps in hospital data (i.e. injury location)
- BC Ambulance collects GPS coordinates with patient pick-up and hospital drop-off locations