

Hospital Injury Data Summary

- **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**

Hospital Injury Data Summary

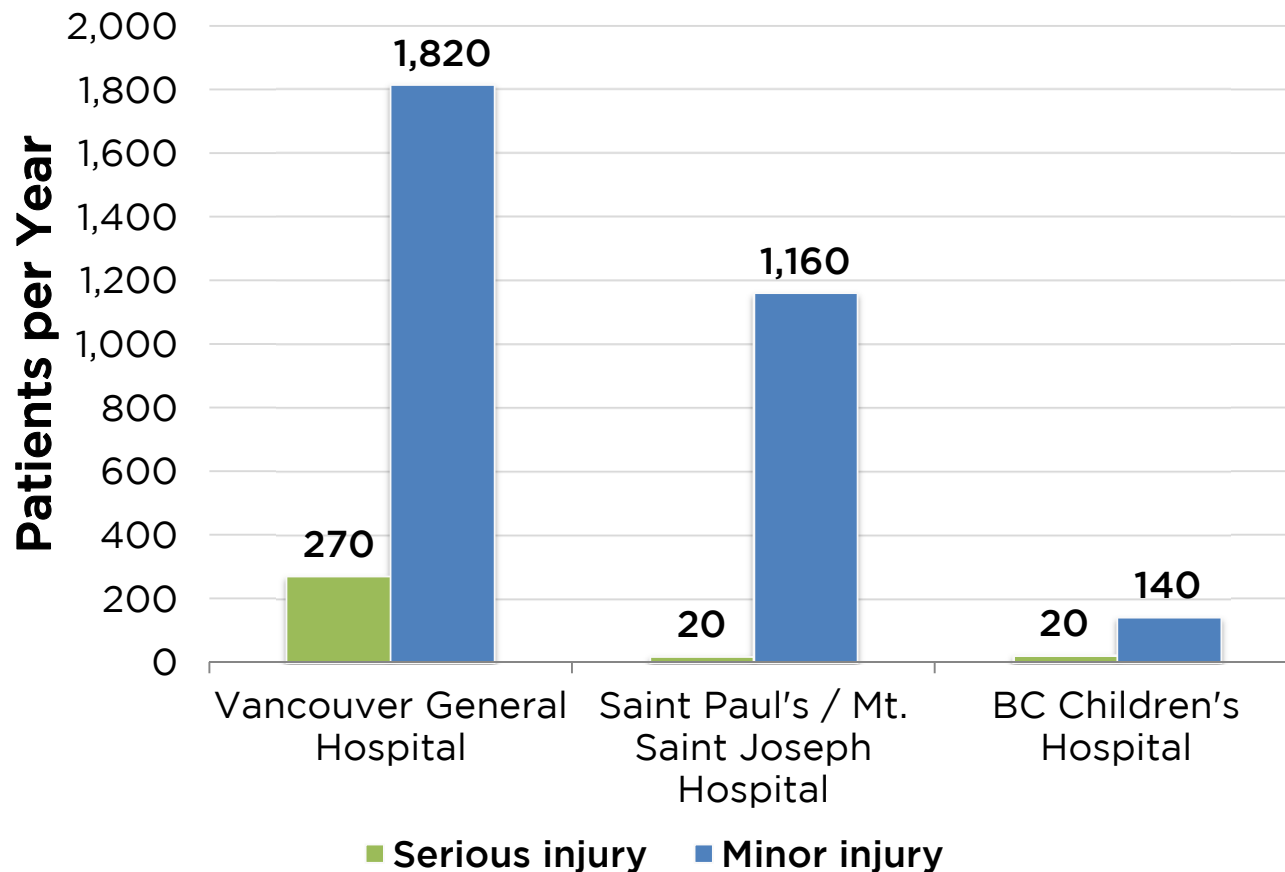


Map of participating hospitals

OBJECTIVES:

- Quantify serious injuries
- Understand injury demographics
- Insight on non-motor vehicle collisions

Hospital Injury Data Pilot

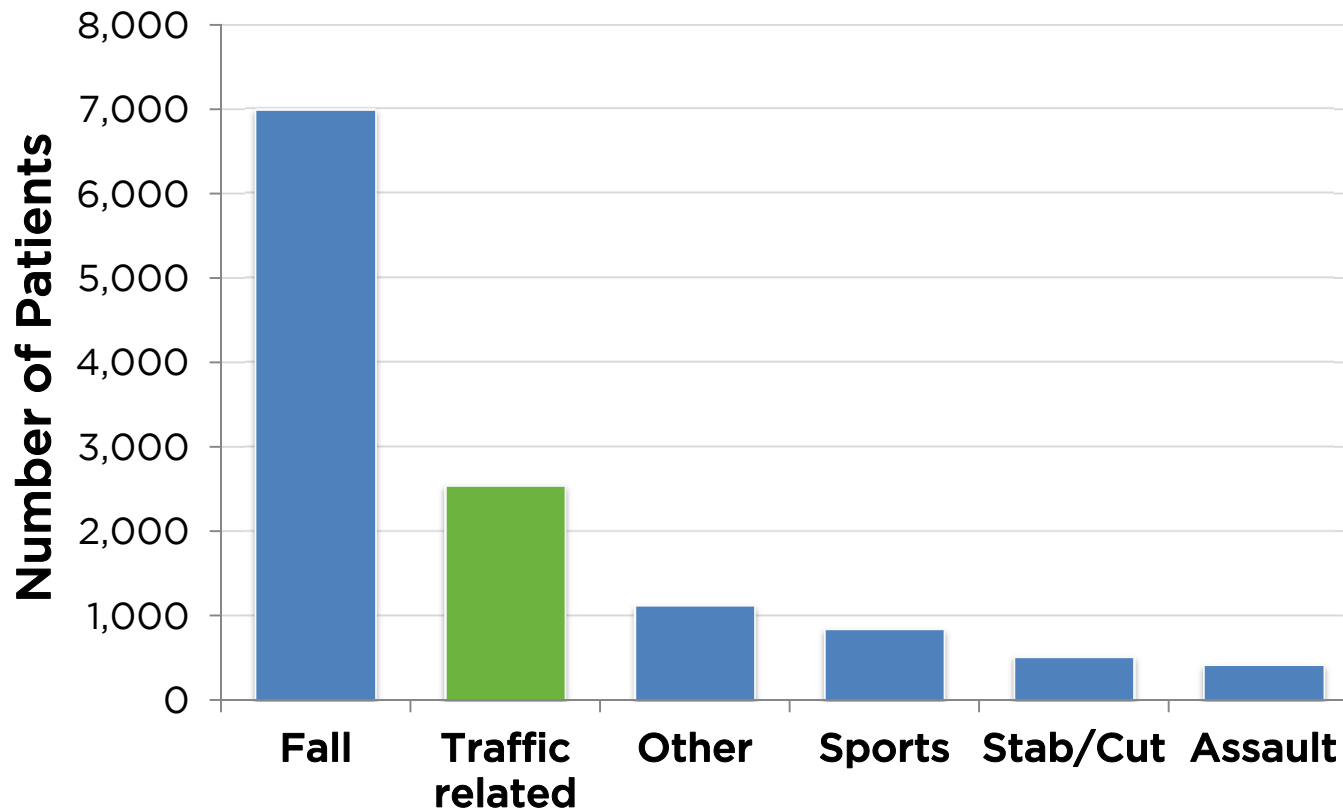


VGH treats the majority of patients and the most severe injuries, as it is the only level 1 adult trauma center in Vancouver

Source: VGH, SPH, MSJ Traffic Injury Data (2011- 2016)
BCCH Traffic Injury Data (2011- 2013)

Hospital Injury Data Summary

Serious Injuries by Type



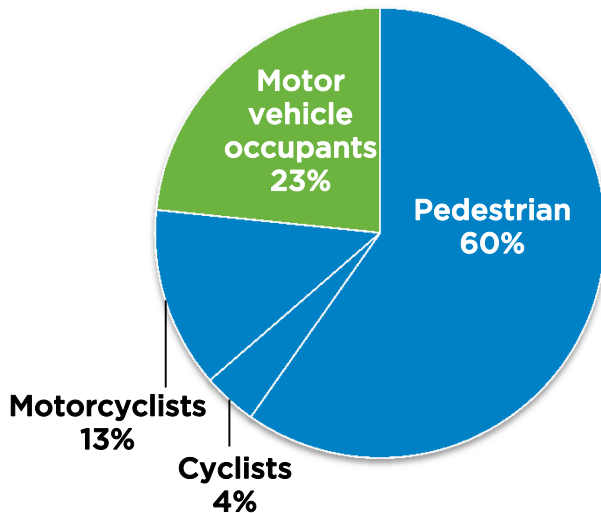
Traffic-related injuries are the 2nd highest cause of serious injuries arriving at VGH

Source: VGH Injury Data (2011- 2016)

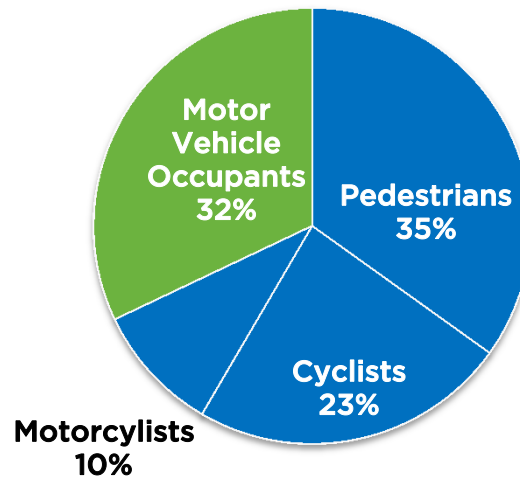
Hospital Injury Data Summary

- Vulnerable road users are the most susceptible to fatalities and serious injuries.

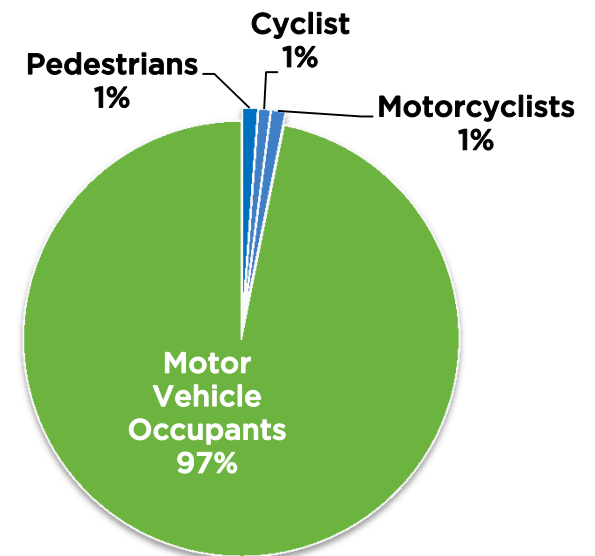
Fatalities



Serious Injuries



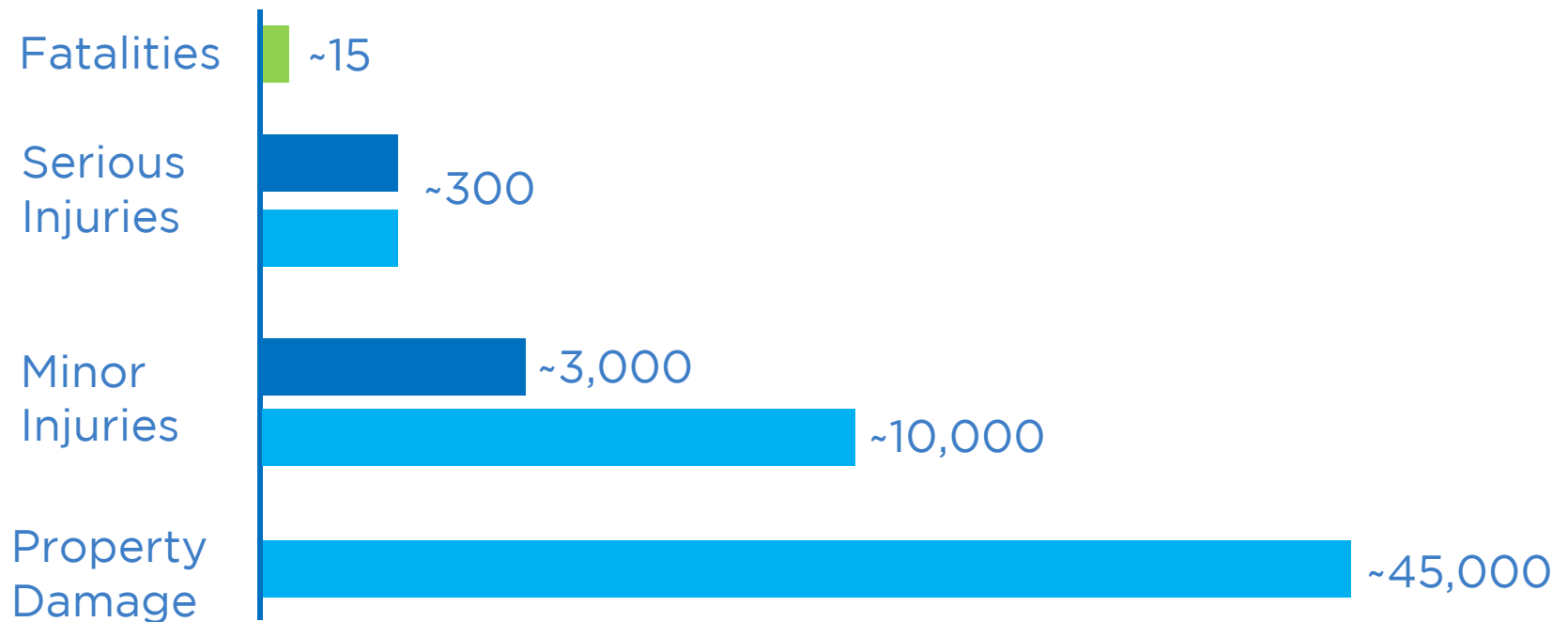
Property Damage



Source:
VPD Traffic Fatality Data (2011-16)
VGH Hospital Injury Data (2011-16)
ICBC Collision Data (2011-16)

Hospital Injury Data Summary

On average each year in Vancouver:



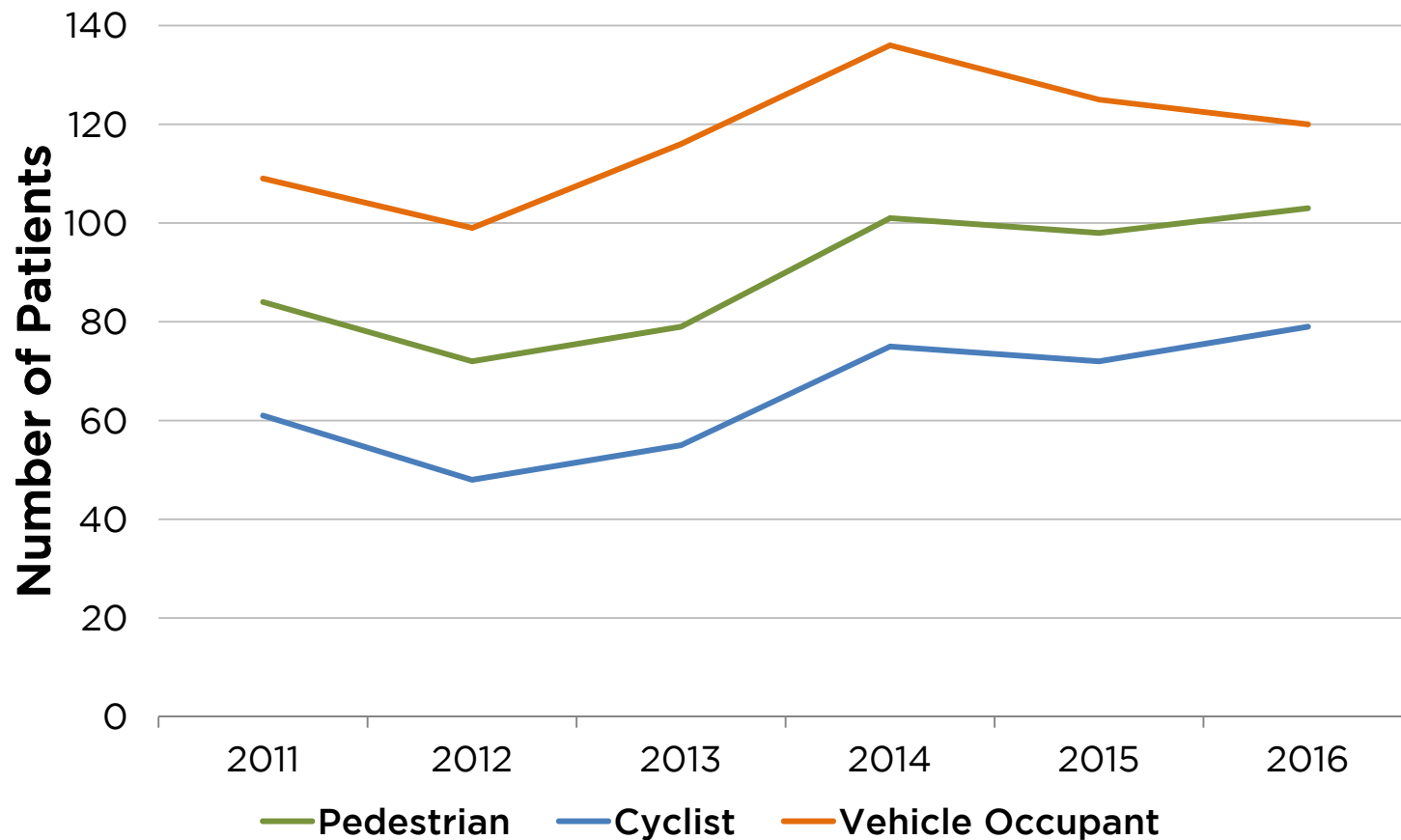
Source of Data:

■ VPD ■ Hospitals ■ ICBC

*Injuries and property damage are based on number of collisions, Fatalities are total number of people

Hospital Injury Data Pilot

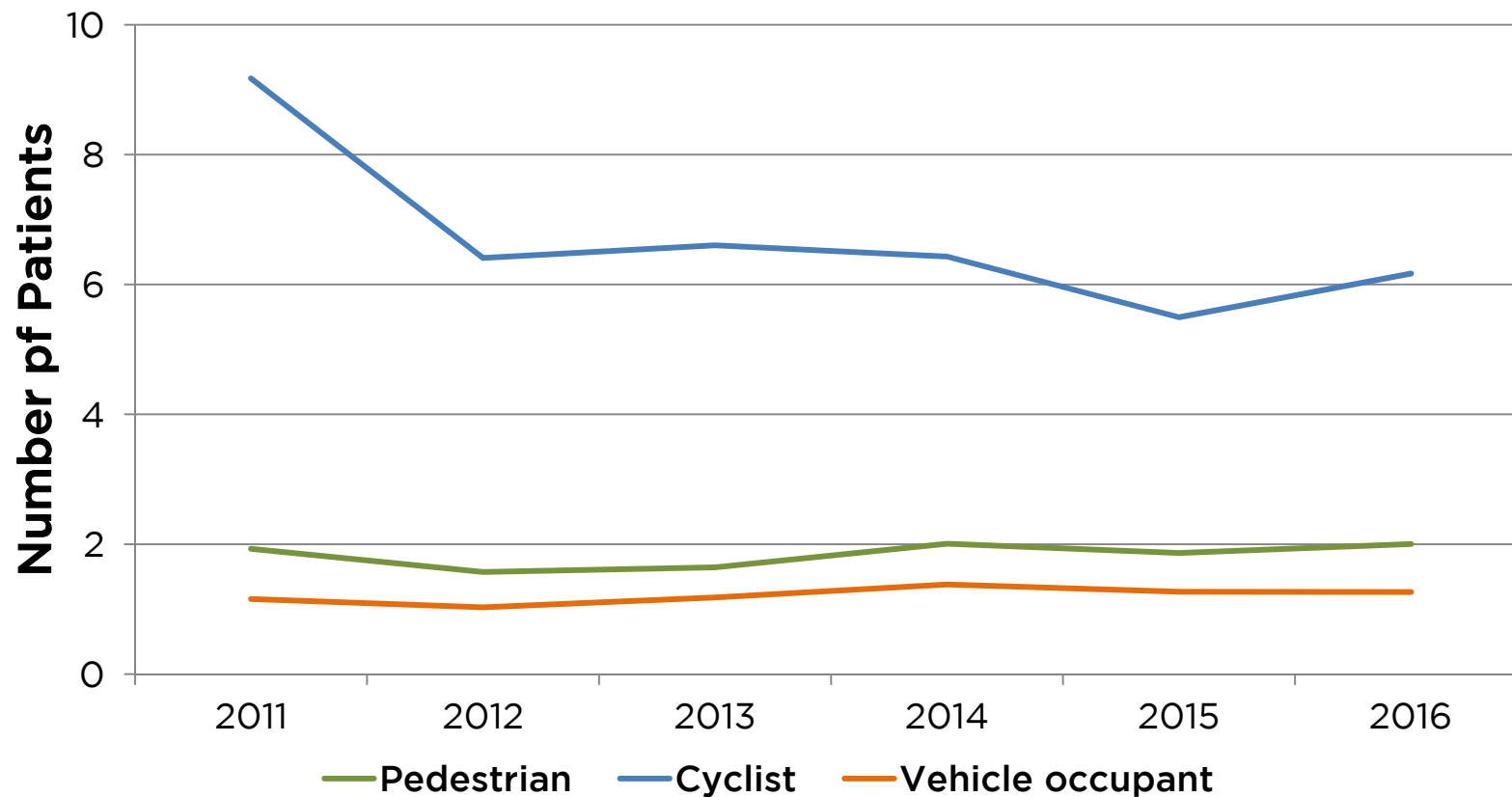
VGH Serious Injury Patients by Mode and Year



Source: VGH Traffic Injury Data (2011-2016)

Hospital Injury Data Pilot

VGH Serious Injury Patients per 10,000 Daily Trips

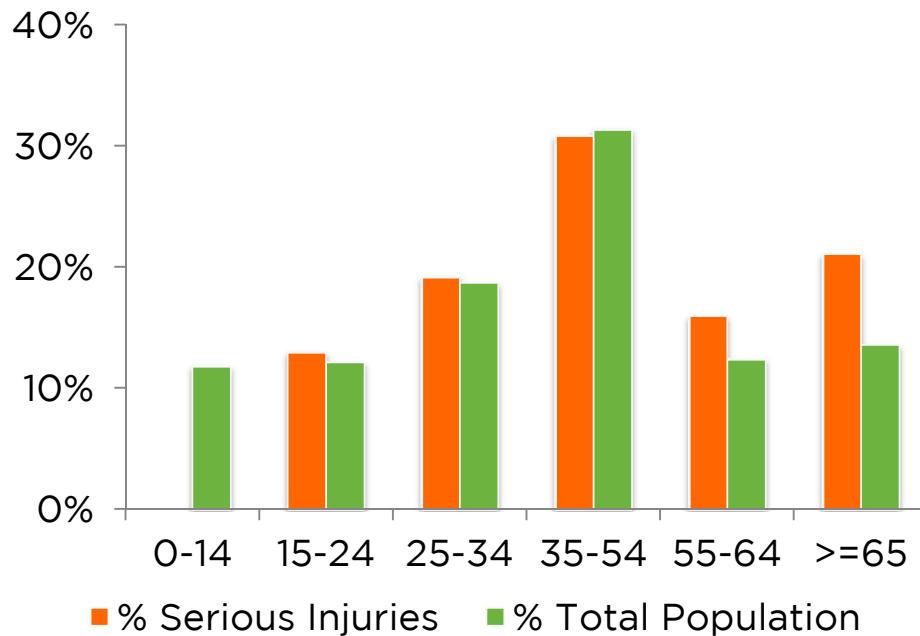


Sources:
Translink Trip Diary 2011
COV Panel Survey 2013-16,
VGH Traffic Injury Data 2011-16

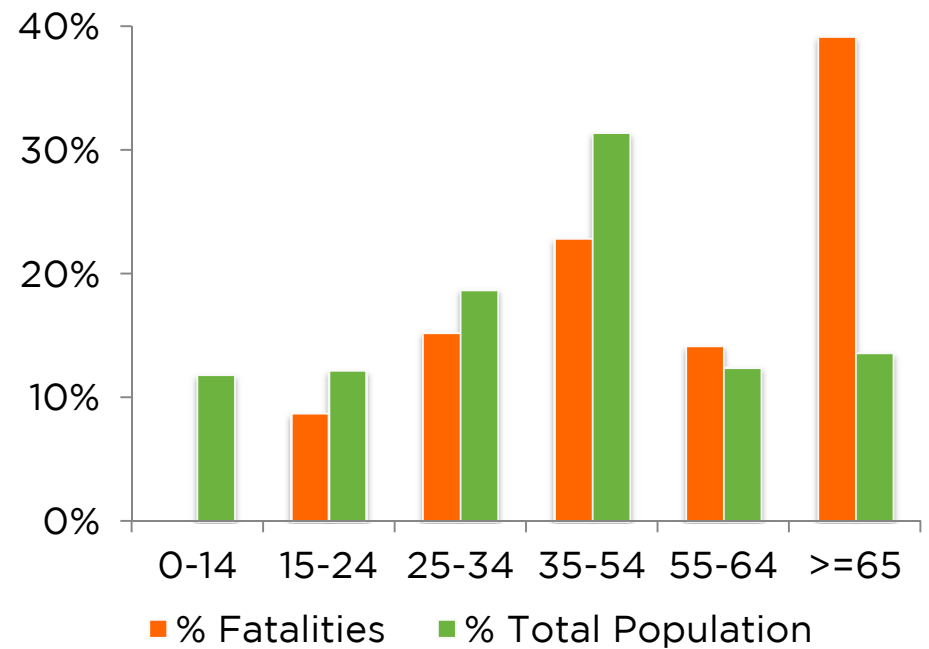
1. Enhance Collision & Injury Data: Hospital Injury Data Summary

Seniors: Higher risk of fatality & serious injuries

Serious Injuries by Age



Fatalities by Age

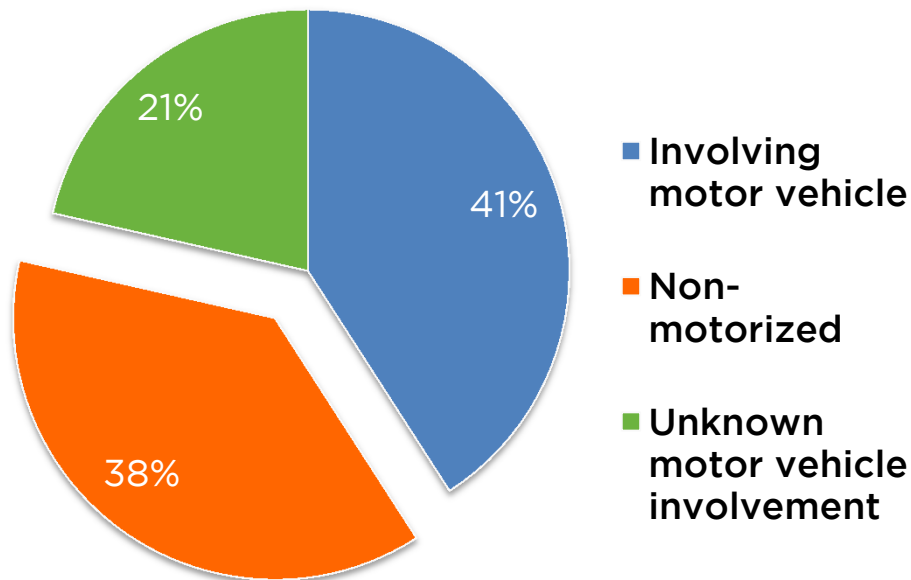


Source: VPD Traffic Fatality Data (2011-16), VGH Traffic Injury Data (2011-2016) & Census 2011 Population Data

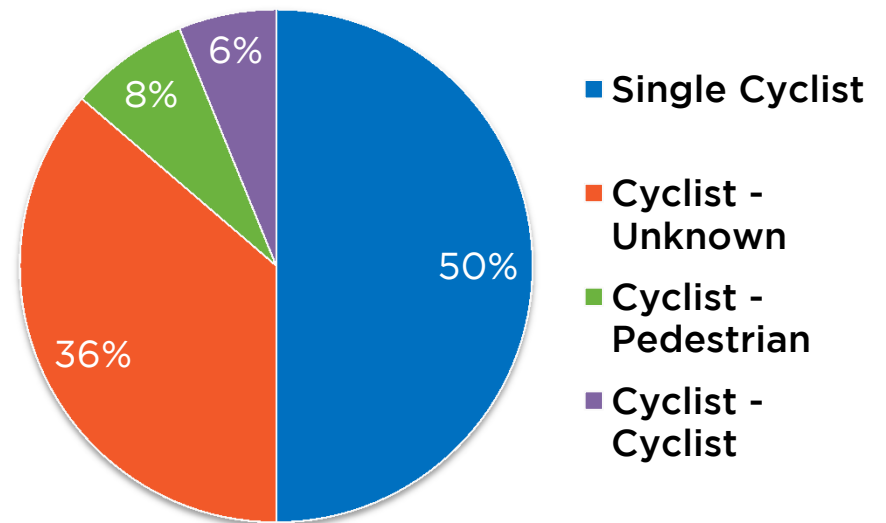
Hospital Injury Data Summary

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

All Cycling Serious Injuries



Non - Motorized Cycling Serious Injuries



Source: VGH Traffic Injury Data (2011-2015)

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