

An aerial photograph of a modern city street at dusk. The scene is dominated by a large, semi-transparent blue overlay that covers the middle portion of the image. The background shows a mix of modern architecture, including a prominent curved glass building on the right and several high-rise structures on the left. The street below is partially covered in snow, and a few cars are visible on the road. The sky is a deep twilight blue with some light clouds near the horizon.

AN INTRODUCTION TO
**SURREY'S VISION ZERO
ROAD SAFETY STRATEGY**

An aerial photograph of a modern city at dusk, featuring several tall buildings with illuminated windows. A semi-transparent blue horizontal band is overlaid across the middle of the image, containing the title text. The bottom portion of the image shows a street with snow on the sidewalks and a road with lane markings.

WHAT IS VISION ZERO? From Theory to Practice

**NO LOSS OF LIFE
IS ACCEPTABLE**





HISTORY OF VISION ZERO

Started in Sweden in 1997 - any number of deaths was too high a price to pay for mobility.

Shares common principles with other well-known national strategies and challenges conventional thinking when it comes to road safety.

BC incorporated Vision Zero in 2013

2016 - Vancouver + Edmonton

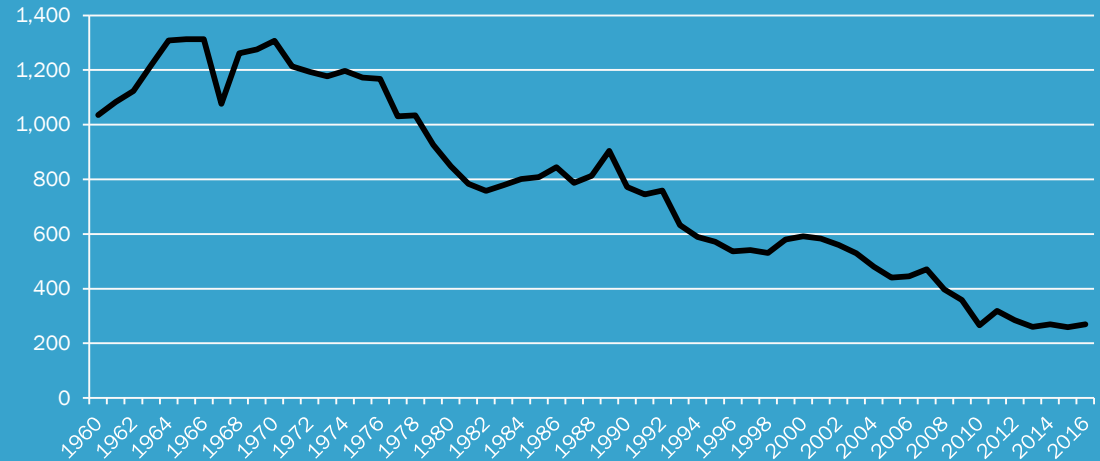
2017 - Toronto, Montreal, Calgary

Surrey Vision Zero 2018

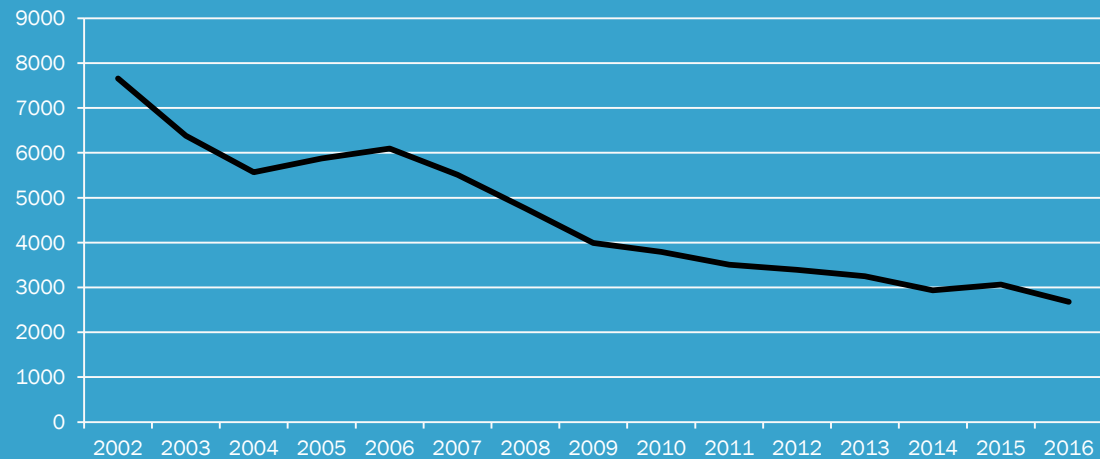
VISION ZERO:

Results from
Edmonton
and Sweden

Sweden: Road Fatalities by Year



Edmonton: Injury and Fatal Collisions by Year



SOURCES:
edmonton.ca/transportation
trafa.se

TRADITIONAL THINKING VISION ZERO



Focuses on collisions Focuses on fatalities and serious injury collisions.

Perfect human behaviour Integrate the failing human in design

Individual responsibility Shared responsibility between systems + design.

Industry must be forced Industry can be stimulated



SAFE ROADS

Identification + improvement of
high risk locations
Designs for vulnerable
road users



SAFE SPEEDS

Setting safe speed limits
Speed management technology
Compliance + education



SAFE VEHICLES

Safety technology
Advocacy to federal authorities
Well maintained vehicles

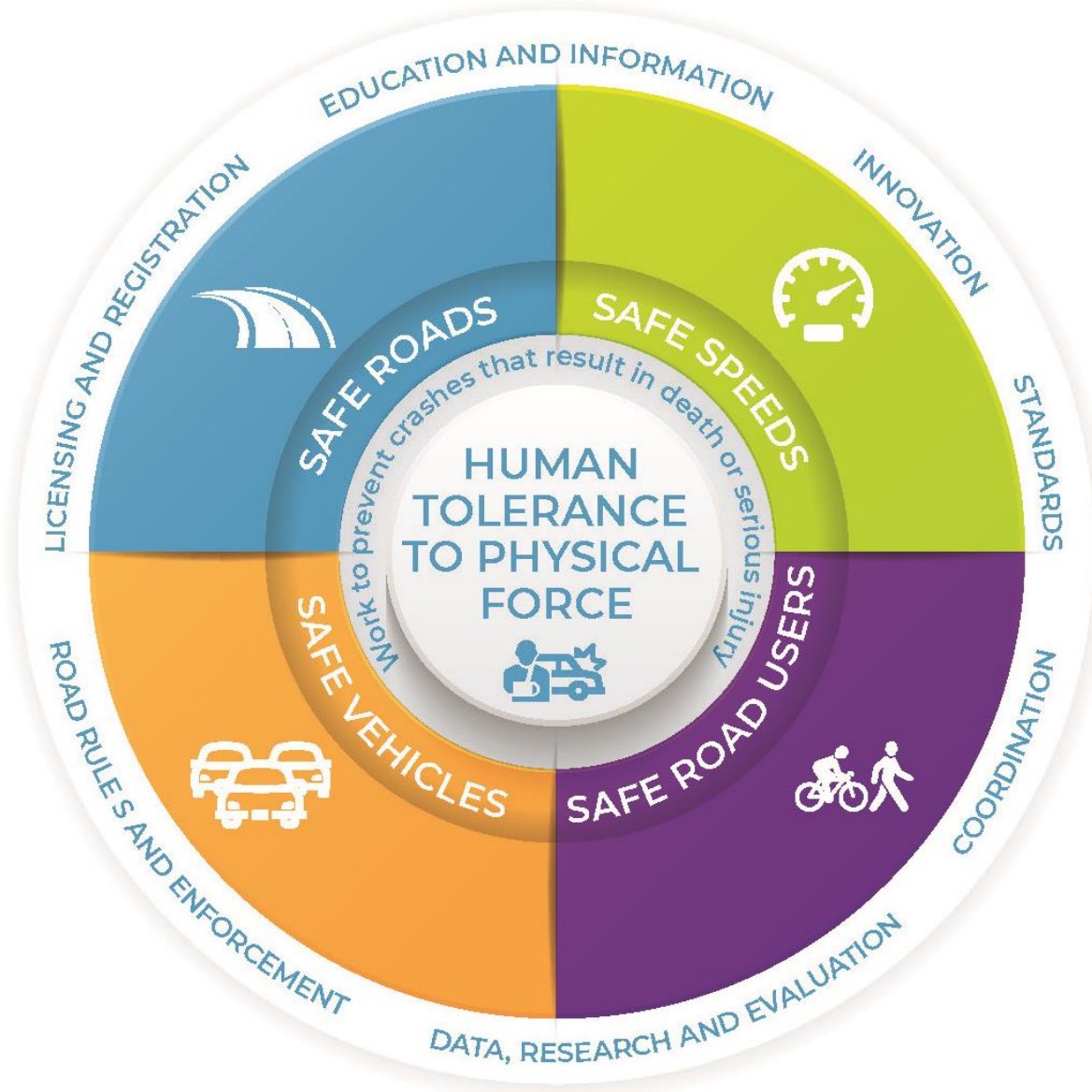


SAFE ROAD USERS

Protecting vulnerable road users
Reducing unsafe behaviours
Targeting high-risk drivers



SAFE SYSTEMS APPROACH





SAFE SYSTEM APPROACH TO ROAD SAFETY

Reduce the overall level of risk for human trauma.

MVCs will occur, but fatalities and serious injuries are preventable.

Road safety decisions must be made in a larger societal and economic context.

System Designers

Road User

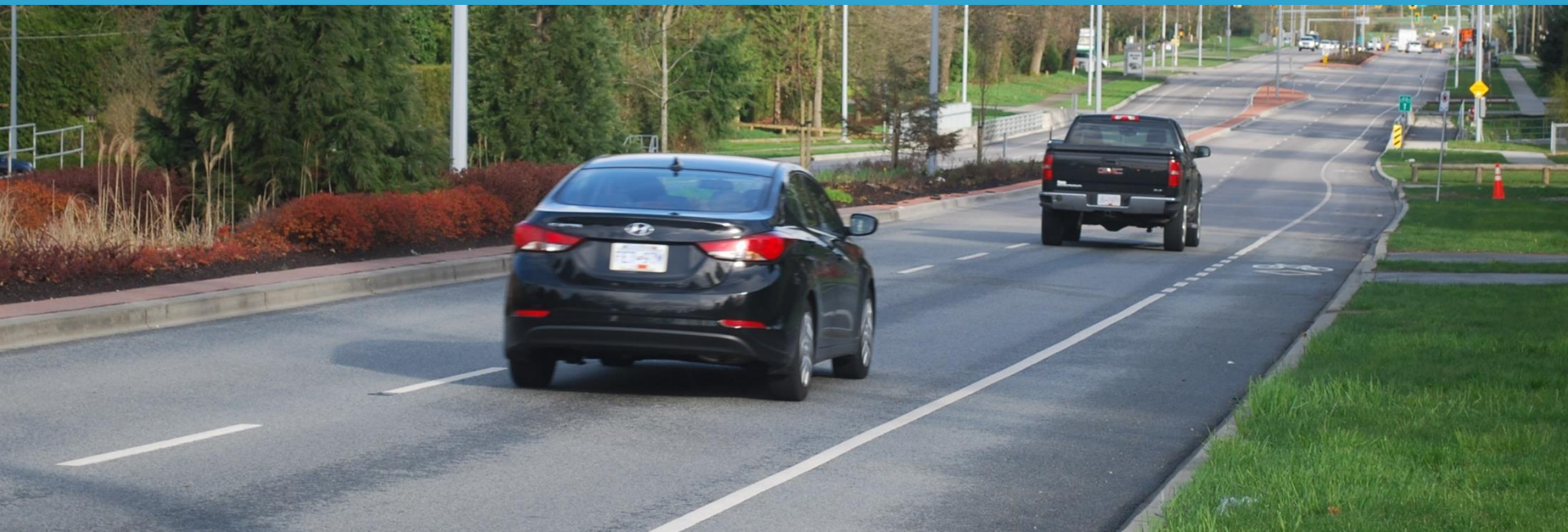
Non-Compliance

BREAK THE CHAIN OF EVENTS:

BEFORE  PREVENT THE CRASH

DURING  REDUCE THE RISK FOR
INJURIES + FATALITIES

AFTER  RESCUE + MEDICAL CARE





Why did we step towards Vision Zero?

THE DATA

EVERY HOUR

**ONE PERSON
IS INJURED**

EVERY DAY

CRASHES COST

OVER \$1M

EVERY MONTH

**MORE THAN
ONE PERSON
DIES**

EVERY YEAR

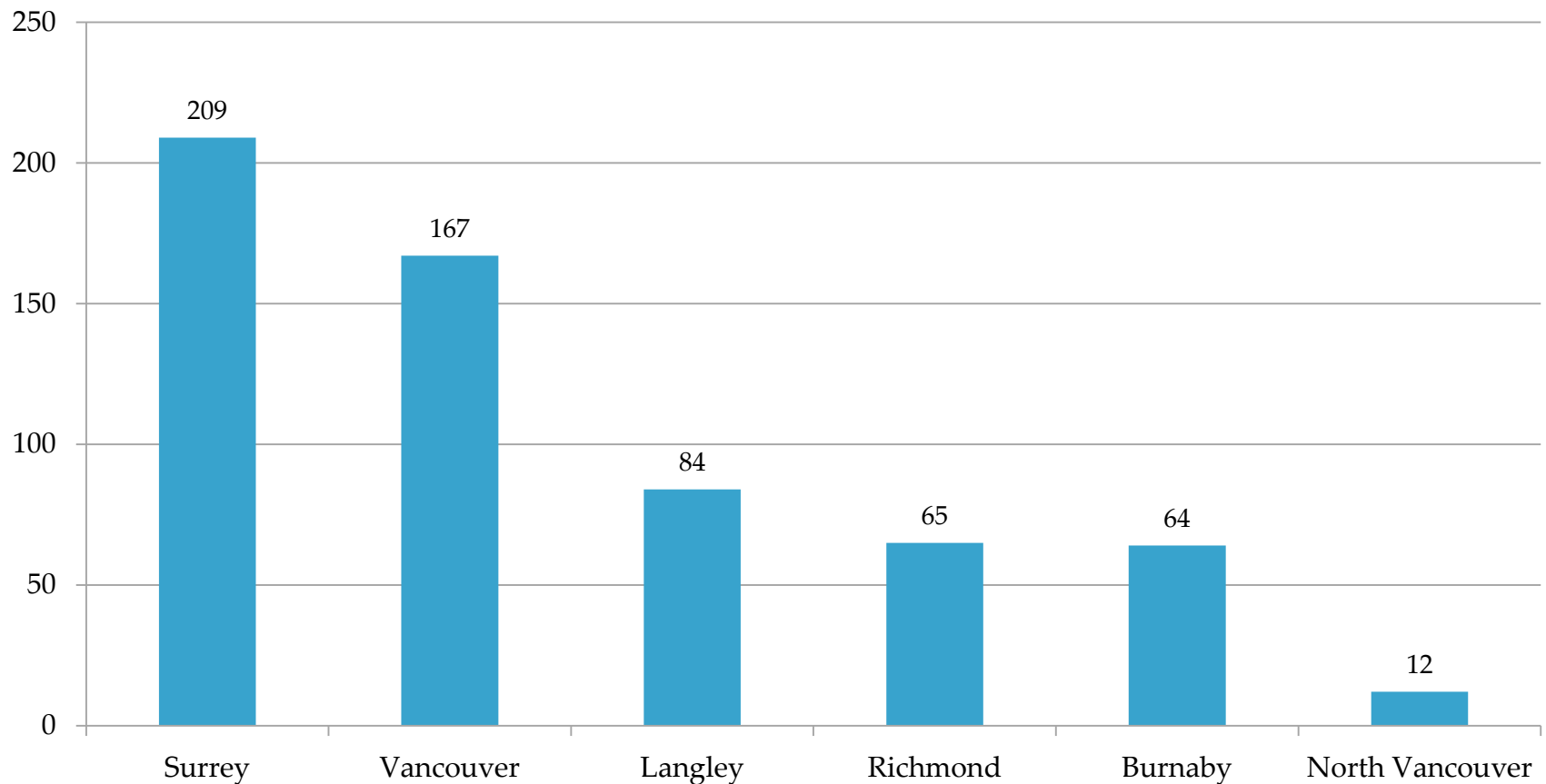
INJURY

COLLISIONS

GO UP 3%

ROAD SAFETY IN SURREY

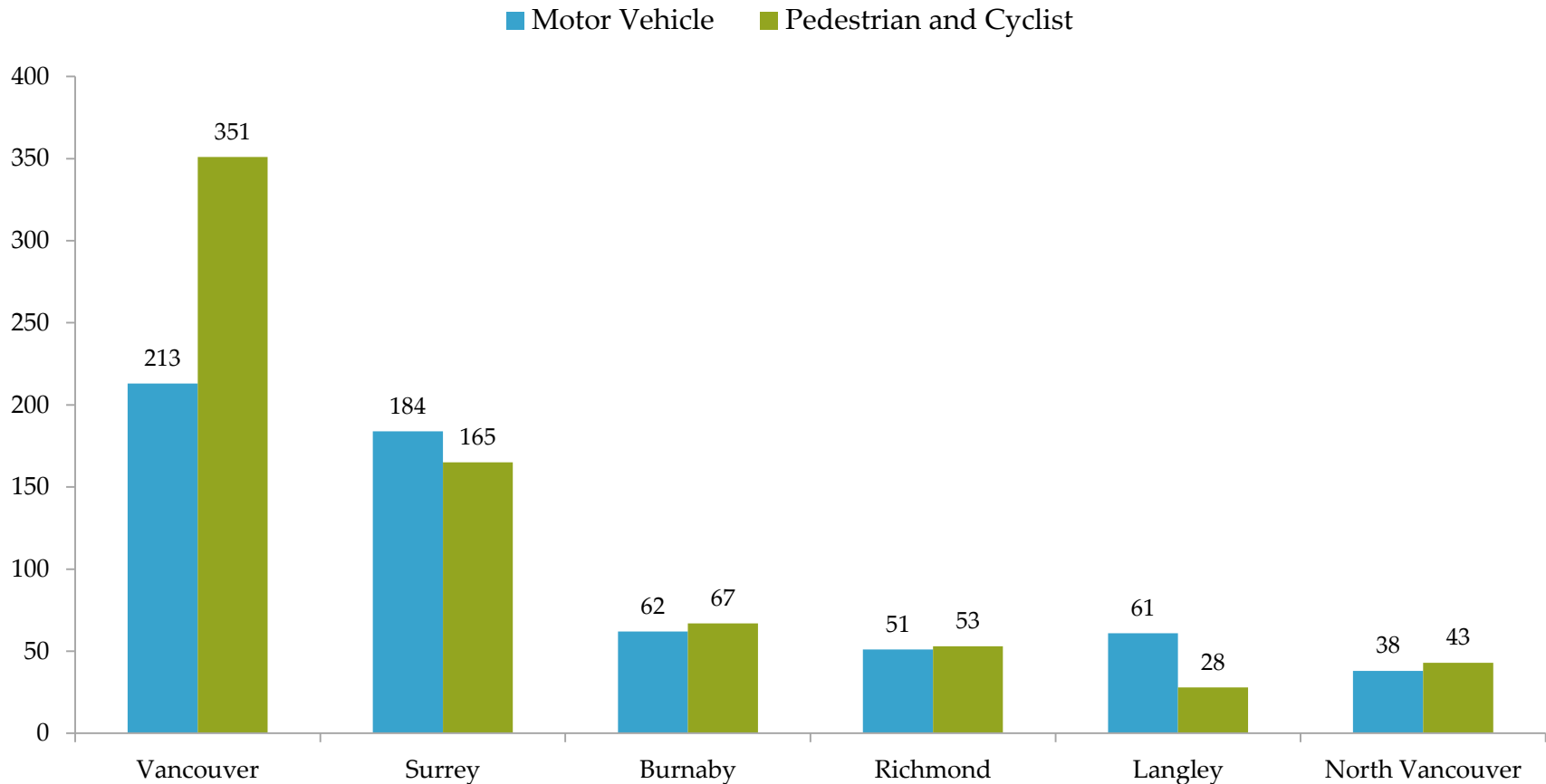
Metro Vancouver Traffic Fatalities by Municipality



PRIMARY SOURCE: 2006 – 2015 TRAFFIC ACCIDENT SYSTEM

ROAD SAFETY IN SURREY

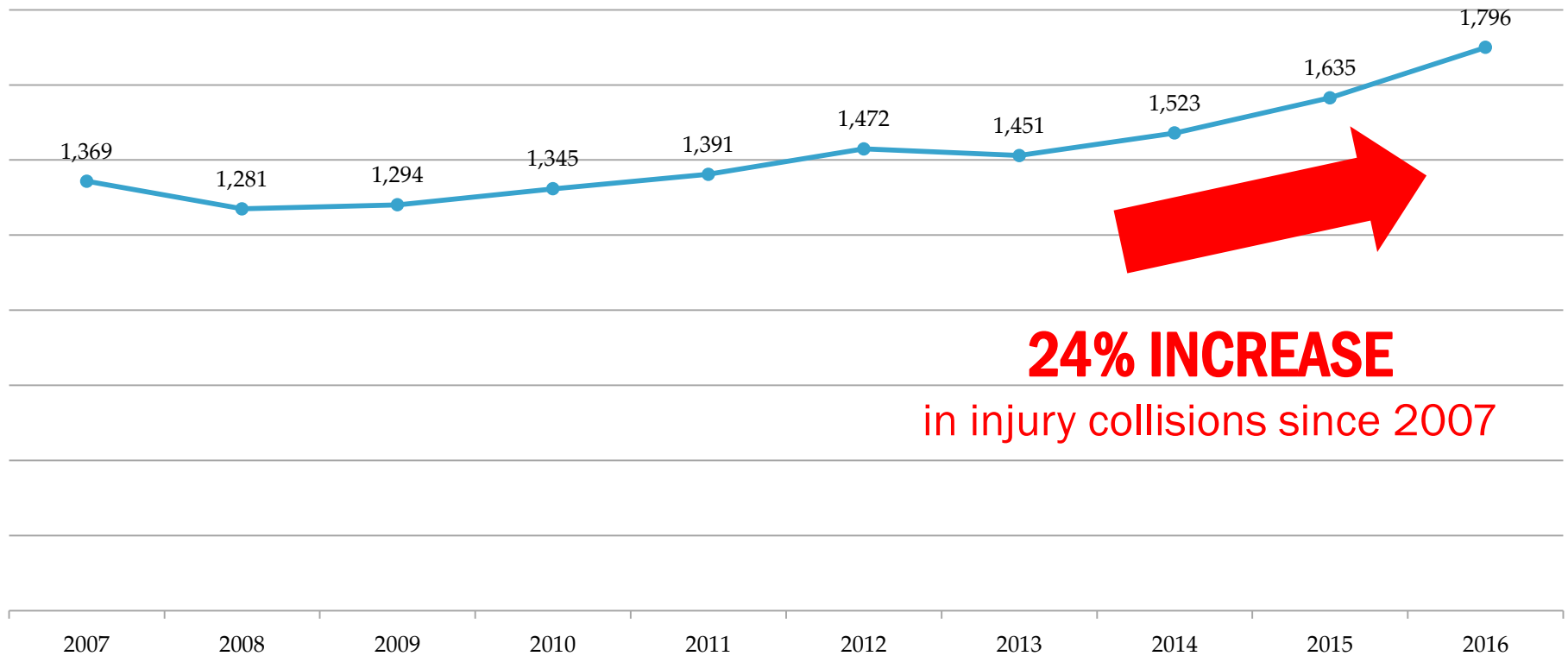
Metro Vancouver Serious Injuries by Municipality (Trauma Data)



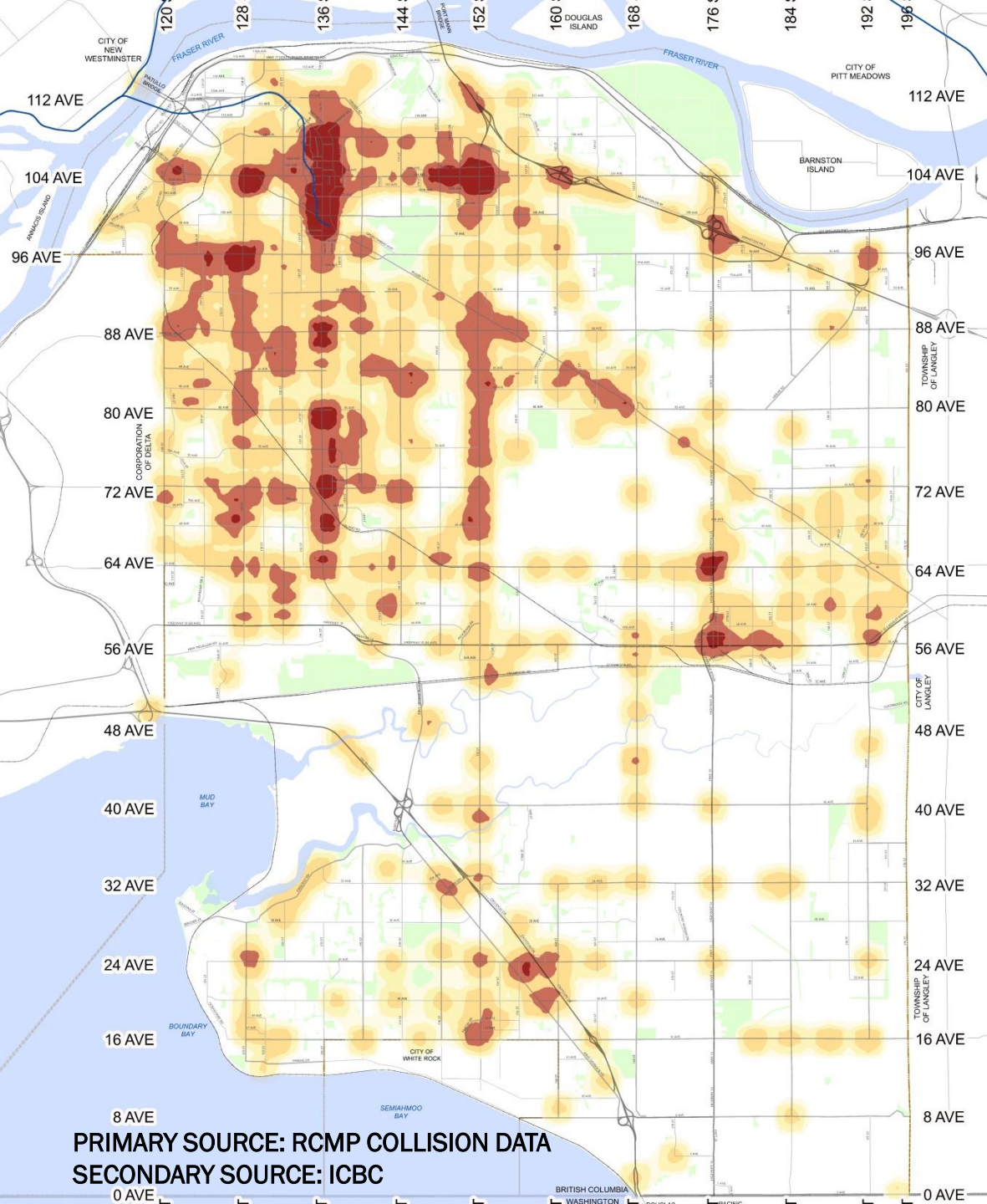
PRIMARY SOURCE: 2012 – 2015 FISCAL BC TRAUMA REGISTRY

ROAD SAFETY IN SURREY

Metro Vancouver Serious Injuries by Municipality (Trauma Data)



SOURCE: ICBC COLLISION DATA



SURREY HOT SPOT MAP

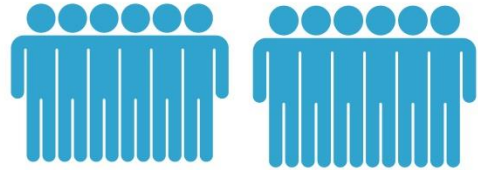
31% of serious injury/fatal collisions involve pedestrians or cyclists.

65% of serious injury/fatal collisions occur on 5% of Surrey's roads.

78% of serious injury/fatal collisions occur near intersections.

PRIMARY SOURCE: RCMP COLLISION DATA
SECONDARY SOURCE: ICBC

Annual Toll - Surrey



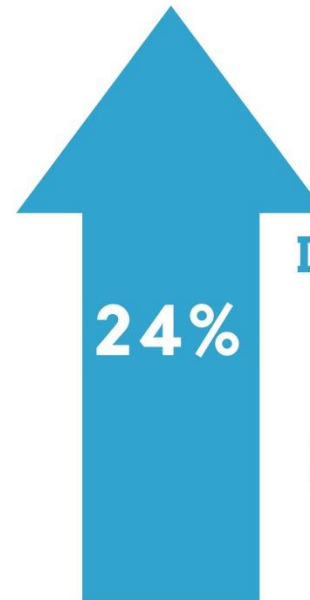
12,000 PEOPLE ARE
INJURED EACH
YEAR

\$400 M

**ANNUAL SOCIETAL
COLLISION COST**

**20
PEOPLE**

**DIE EACH
YEAR IN
ROAD
COLLISIONS**

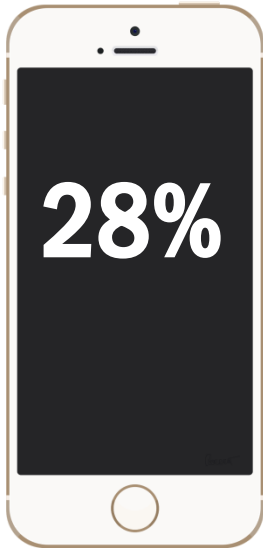


**INCREASE IN
INJURY
COLLISION
RATE SINCE
2007**

CAUSAL FACTORS IN FATAL COLLISIONS



29% SPEEDING



**DISTRACTED
DRIVING**



23%

**IMPAIRED
DRIVING**

SOURCE: ICBC PROVINCIAL DATA

BUILDING SURREY'S VISION ZERO STRATEGY

- Council approves building of strategy - Nov 2017
- Internal City wide consultation
- Stakeholder consultation
- City Speaks Survey



