Vision Zero and Complete Streets

John Boyle Research Director

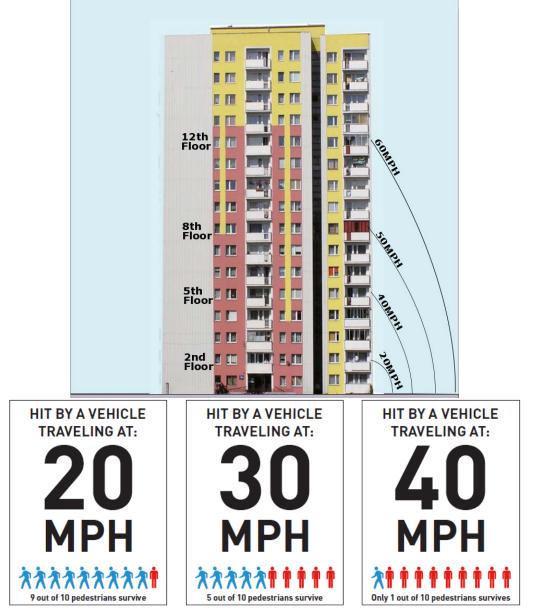


What is Vision Zero

SPFF

- Vision Zero is a strategy to eliminate all traffic fatalities and severe injuries, while increasing safe, healthy, equitable mobility for all.
 First implemented in Sweden in the 1990s,
 Vision Zero has proved successful across Europe and now it's gaining momentum in major American cities.
 - American cities

Full speed crash impact on a pedestrian as compared to a free fall from a building



Sweden, the United Kingdom, Denmark and the Netherlands have the lowest number of fatalities per capita in the EU. Even though Sweden's proportion has increased from 2.7 to 2.8 between 2013 and 2014, Sweden is still well placed in comparison with the 2013 value for the other countries.

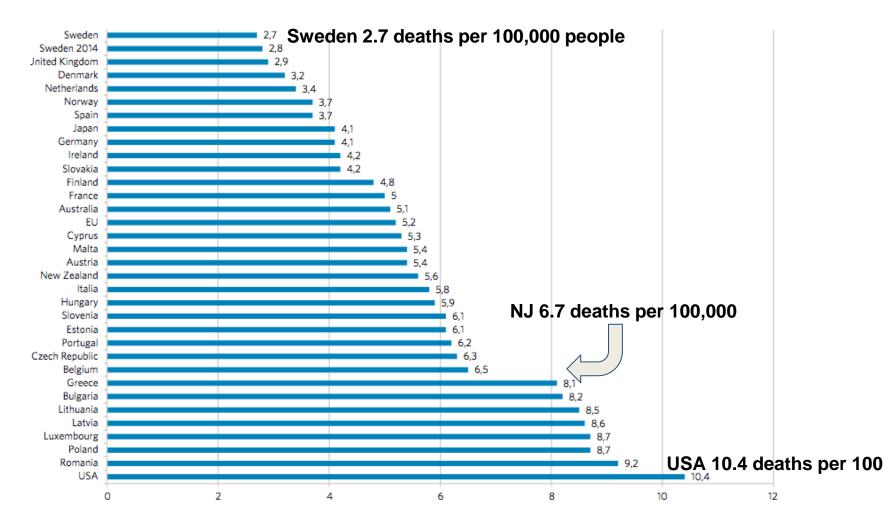


Figure 8. Number of road deaths per 100 000 inhabitants. Sweden (2013 and 2014) compared with other countries (2013). Source: IRTAD and CARE.

2017 472 Deaths To Date

- 210 CAR/TRUCK DRIVERS
- 126
 PEDESTRIANS
- 67
 CAR/TRUCK
 PASSENGERS
- 53 MOTORCYCLISTS
- 13 BICYCLISTS
- 3 ATV RIDERS
- 14 AGE 17 AND YOUNGER
- 60 AGE 65 AND OLDER



Vision Zero Goals

- New York City
 0 fatalities by 2024
- Philadelphia
 0 fatalities by 2030
- NJ DOT

30% reduction in traffic deaths by 2030*

*NJ DOT's crash reduction goal is to reduce serious injuries and fatalities by 2.5 percent annually with the support of all safety partners.



THREE-YEAR ACTION PLAN SEPTEMBER 2017



\\\ VISION ZERO AT A GLANCE

TURNING PRIORITY

The Vision Zero Three-Year Action Plan outlines the projects and policy changes the City of Philadelphia plans to pursue in the next three years to build safety and livability into Philadelphia streets.

The Action Plan identifies a broad range of solutions to address traffic safety comprehensively while using data to identify and prioritize traffic safety projects.

Chaired by the Managing Director's Office of Transportation & Infrastructure Systems (OTIS), the Vision Zero Task Force (page 4) leads and provides feedback on Vision Zero priorities and strategies.

VISION ZERO PRIORITIES



VISION ZERO SUBCOMMITTEES

Vision Zero subcommittees are comprised of City departments and external agencies. Subcommittees meet on a monthly or quarterly basis, and are responsible for implementing the strategies outlined in the Vision Zero Three-Year Action Plan.

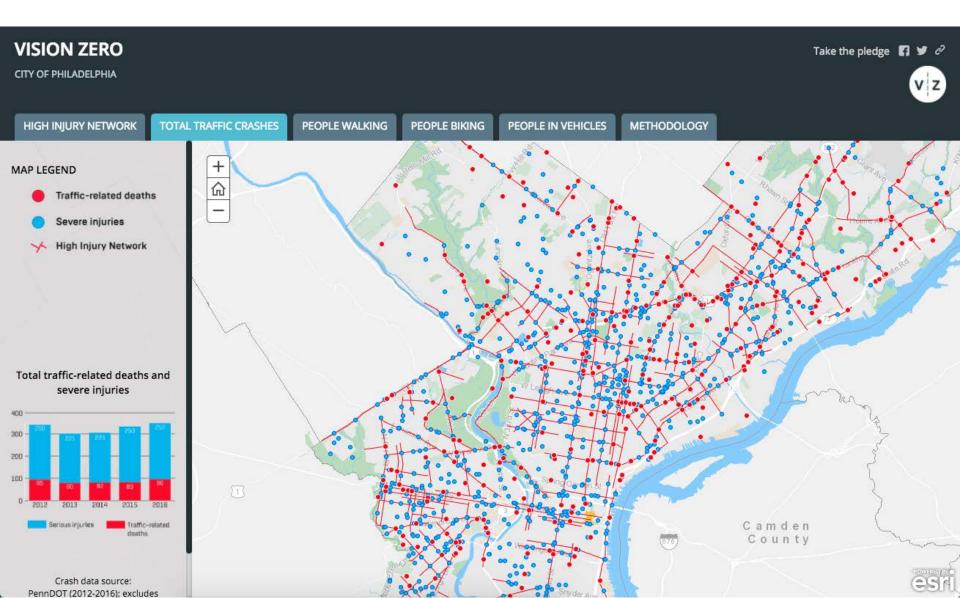
The Vision Zero subcommittees are:

- Evaluation & data
- Engineering
- Education & engagement
- Traffic safety enforcement
- Fleet management
- Policy

TRAFFIC Deaths by 2030.

VISIONZEROPHL

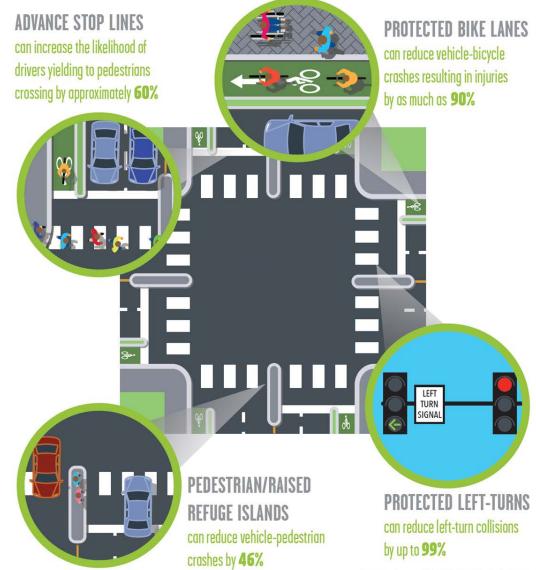
Data Driven Priorities



COMPLETE URBAN STREETS

The majority of Canadians live in urban settings and collisions commonly occur at city intersections. Vision Zero calls for changes in road design and the following strategies are proven ways to increase safety and mobility for urban road users.



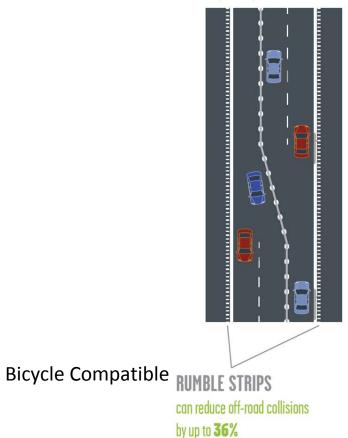


For more on the research, visit visionzeronetwork.ca/references

COMPLETE RURAL ROADS

The majority of fatal crashes occur in rural locations. Vision Zero calls for changes in road design and the following strategies are proven ways to increase safety and mobility for rural road users.

2+1 ROADS with a central cable barrier can reduce fatal collisions and serious injuries by 55%



ZERO NETWOR visionzeronetwork.co ROUNDABOUTS can reduce the risk of fatal crashes by 50-70% 11

Parachute VISION

STREET LIGHTING at rural intersections can reduce night-time crashes by 25-40%



Route 38 and Briggs Rd Mt. Laurel



Sweden's Approach

"...in Vision Zero, the accident is not the major problem. The problem is that people get killed or seriously injured. And the reason that people get serious injuries is mainly because people have a certain threshold where we can tolerate external violence, kinetic energy...."

Matts-Åke Belin - Citylab.com Nov 2014