



2023 Vision Zero Fleet Safety Forum

VISION ZERO 65

Building a Safer City

VISION ZERO 65 Building a Safer City



Dawn M. Pinnock

Commissioner

Department of Citywide Administrative Services

















VISION ZER⊕ ் Building a Safer City



Peter Goldwasser Executive Director Together for Safer Roads



















VISION ZERO 65 Building a Safer City



Mark J.F. Schroeder

Commissioner

New York State Department of Motor Vehicles



















Safe Fleet Transition

NYC Fleet

Presentation to 8th Vision Zero Fleet Safety Forum

Keith T. Kerman NYC Chief Fleet Officer Deputy Commissioner, DCAS November 2, 2023

Kamari Hughes

NYPD tow truck strikes, kills 7-year-old boy on the way to school with his mom, police say

Story by Saman Shafiq, USA TODAY • 1d

7-year-old boy was killed in Brooklyn, New York on Thursday morning when a New York Police Department tow truck struck him while he was crossing the street, police say.

The accident took place in the borough's Fort Greene Park neighborhood at about 7:45 a.m. in the morning as the victim and his mother were walking on a crosswalk on their way to school, said Jeffrey Maddrey, the NYPD chief of department, during a press briefing at department's headquarters in the city.



Improving Truck and School Bus Safety

- Safe Fleet Transition Plan (SFTP) and School Bus Report
- Intelligent Speed Assist (ISA)
- High Vision Trucks
- Electric Fleet
- Surround Cameras
- Truck Side-guards
- Pedestrian Turn Alerts on Trucks
- Reducing Risky Driving
- Expanding Training



Safe Fleet Transition Plan for School Buses

The NYC School Bus Fleet: Improving Road Safety Through Technologies and Training

Andrew Breck, Ali Brodeur, Alexander Epstein, Ph.D., Eikar Lai, Ahmad Nasser, Lily Slonim, Sarah Yahoodik, Hayden Smith, Juwon Drake



Photo credit: Volpe

November 2023

DOT-VNTSC-NYCDCAS-23-01

Prepared for

Department of Citywide Administrative Services and the Department of Education City of New York





Vision Zero Safe Fleet Transition Plans (SFTPs)

Truck Sideguards for Vision Zero

Review and technical recommendations for Safe Fleet Transition Plan pilot deployment

Alexander K Epstein, Ph.D., Sean Peirce, Andrew Breck, Coralie Cooper, and Eran Segev



December 2014 DOT-VNTSC-DCAS-14-01

Prepared for:

Department of Citywide Administrative Services

City of New York



ystem Certer Voipe

Launching the Safe Fleet Transition Plan

Technology and Process Recommendations

Margo Dawes and Alexander K Epstein, Ph.D.



May 2017 DOT-VNTSC-DCAS-17

Prepared for:
Department of Citywide Administrative Services
City of New York



U.S. Department of Transportation
 John A. Volpe National Transportation Systems Center



Safe Fleet Transition Plan Update 2018 - 2019

Best Practice Technologies and Processes

Alexander K Epstein, Ph.D. and Rebecca Kiriazes



Citywide Administrative Services
November 2018
DOT-WITS-COK-518-01
Prepared for:
Department of Citywide Administrative Services
City of New York

U.S. Department of Transportation
 John A. Volpe National Transportation Systems Center

Volpe

Safe Fleet Transition Plan: Private Vehicle Crashes and Vehicle Safety Technology

Preliminary Report: Expanding the NYC Safe Fleet Transition Plan to Trade Waste Industry and Private Truck Fleets

Alexander K Epstein, Ph.D., Michael Chang, Lucy Liu, and Rahi Patel









December 2021

Prepared for:
Business Integrity Commission and Department of Citywide Administrative Services



HERE

HERE

<u>HERE</u>

HERE



Clean Fleet Transition Plan (CFTP), EO 53

Clean Fleet Transition Plan

NYC Department of Citywide Administrative Services (DCAS) Fleet

U.S. DOT Volpe National Transportation Systems Center: Alexander Epstein, Ph.D., Scott Lian, Ana Vargas, Andrew Breck, and Brian Xi

New York City Department of Citywide Administrative Services: Keith Kerman and Eric Richardson













Fall 2022

DOT-VNTSC-DCAS-22-01

Prepared for: Department of Citywide Administrative Services, City of New York





HERE

Section 2. Clean Fleet Design and Electrification. The Department of Citywide Administrative Services (DCAS) and NYC Fleet will issue, implement and update a Clean Fleet Transition Plan (CFTP). This plan will be updated at least every two years. The plan will outline alternative fuel, fuel efficiency, and electrification requirements for all City fleet units by type. The plan will also review fuel efficiency and emissions reductions outfitting that is implemented for specific fleet segments only and/or being tested. As part of the plan, the City will report on electrification and charging options for each class of fleet vehicle. The plan will include a schedule for adoption of cleaner vehicles and technologies which will lead to a fully-electric, carbon-neutral fleet by 2040. In addition to City fleet agencies, DCAS will consult with private, non-profit and other public fleets that operate in NYC on this plan. The plan will include a section discussing options for requiring and/or encouraging adoption of these clean fleet improvements with the private fleets the City contracts and regulates. The first CFTP plan aimed at both public and private fleets will be published by January 1, 2021.

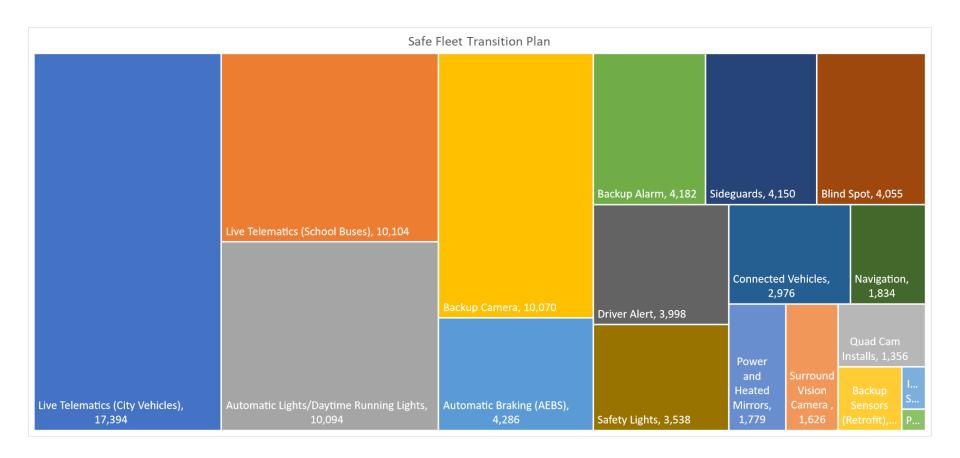


Investing in Safety

- Since onset of Safe Fleet Transition Plan (SFTP) initiative, DCAS has installed over 83,000 safety enhancements on City fleet vehicles.
- In the last two years, DCAS has added 2,500 enhancements to City trucks alone.
- DCAS is partnering with DOE to pilot and introduce safety enhancements for school buses.
- As City school buses and fleet trucks transition to electric, we will work to include the highest level of safety in those new cleaner vehicles.



Safe Fleet Investments, over 83,000 since 2017





Truck of the Future Initiative

- DCAS is partnering with Together for Safer Roads (TSR) on the Truck of the Future Initiative
- DCAS and TSR will study effectiveness of different safety implementations
- Our aim is to better understand how safety investments and technologies work together within a vehicle
- One goal of the initiative is to develop ways to track and reduce 'near misses', stopping crashes before they happen



Dawn M. Pinnock, Commissioner Keith T. Kerman, Deputy Commissioner and Chief Fleet Officer

NYC Fleet Newsletter

July 6, 2022 - Issue 396

DCAS, Parks, and Together for Safer Roads Announce Truck of Future Initiative at United Nations

By: Eric Richardson

The greatest safety risk faced by the City fleet is visual impairment with large emergency and public works trucks. In a conventionally designed truck, a driver may not be able to see the road for over 20 to 25 feet.

DCAS is taking various steps to address visual impairment, including investing in high vision trucks, where available, and installing surround cameras and telematics. U.S. DOT Volpe has conducted computer simulations that show high vision trucks greatly reduce risk to pedestrians, bicyclists, and children.



Together for Safer Roads and staff from DCAS and the NYC Department of Parks and Recreation outside of the United Nations (UN) during international high level meetings on road safety.



Intelligent Speed Assist (ISA)







Intelligent Speed Assistance (ISA)

- DCAS has now expanded the pilot to 300 vehicles, leading the nation in promoting this safer technology.
- The pilot now includes 50 school buses in partnership with NYCSBUS which is the first rollout of ISA nationally with school buses.
- Thirteen City agencies and fourteen types of vehicles are involved including box, collection, and dump trucks.
- Fleet has operated over 750,000 miles to date on ISA.
- Of these, 99% of the miles were driven within speed parameters set by DCAS.
- We also achieved a 37% reduction in hard braking which is an indicator of unsafe driving behavior.
- DCAS and Volpe will issue a report on ISA later in the fiscal year.



Mayor Adams, DCAS
Commissioner Pinnock
Implement new Technology on
City Fleet Cars to Reduce Speeds
and Save Lives

August 11, 2022



Changing Truck Design: High Vision



[IS] OPINIONS ■ Politics

Direct Vision in Commercial Trucks is a Public Safety Priority

Posted to <u>Politics</u> September 26, 2023 by <u>Peter Goldwasser</u>, <u>Keith</u> Kerman



Thirty-two members of Congress recently wrote a letter urging the National Highway Traffic Safety Administration (NHTSA) to

address a national crisis: the surge of traffic deaths on American roads. This letter implored NHTSA to prioritize pedestrian protection and visibility from the driver's seat in federal vehicle safety ratings, known as the New Car Assessment Program.

Since then, leading road safety organizations have continued their longstanding efforts toward achieving change on this and other critical safety issues.

Together for Safer Roads (TSR), which counts some of the world's largest trucking fleets among its members, applauds these efforts. But the work cannot stop there.



Changing Truck Design: High Vision

Pedestrian crosswalk safety study results # of Pedestrians that Driver Detected in Crosswalk 40 35 39 out of 45 killed when truck was low vision of Detections VS. ## 15 None killed when truck was high vision 10 5 ■ Low Vision - 13.33% Detection ■ High Vision - 100% Detection



Implementing Higher Vision Electric Trucks



Electric Box Truck: Line of Sight: 3 feet



Diesel Box Truck: Line of Sight: 11 feet



EV Fleet Bill Signing, October 23







Changing Truck Design: Surround Cameras

STREETS**BLOG** NYC

Parking Madness 2021 / Coronavirus Crisis / Transit / Congestion Pricing / Open Streets / Calendar

City Shows Off Trucks and Buses With Surround-View Cameras



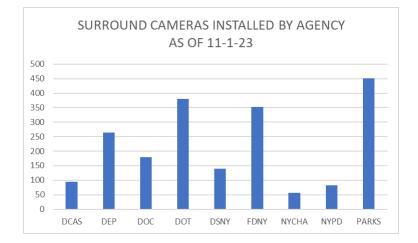


Changing Truck Design: Surround Cameras

- Over 2,000 City trucks now using surround cameras to enhance safety
- Working with DCAS, DSNY is adding surround cameras on all street sweepers starting with a current order of 183 trucks.
- DCAS will require surround cameras on all City truck specifications moving forward.

 DCAS, TSR, and NYCSBUS will pilot surround cameras on ten school buses as part of the TSR Truck of the Future

Program





Changing Truck Design: Side-guards

- DCAS has installed sideguards on all eligible City trucks
- BIC is implementing guard requirement for commercial waste vehicles.
- Working with the Mayor's Office of Contracts, all City contracts involving trucks now require side-guards through Local Law 108 of 2021.





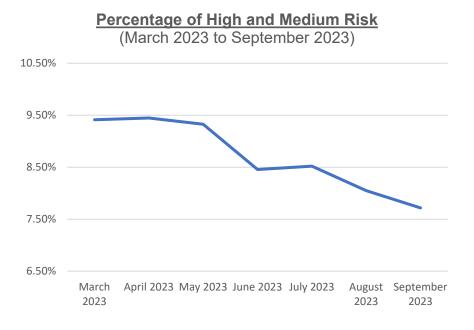
Changing Truck Design: Turn-Alerts

- DCAS piloting audible turn-alerts on 100 City trucks from DEP, DOT, and Parks.
- DCAS also partnering with NYCSBUS to pilot on 50 school buses.



Reducing High Risk Driving

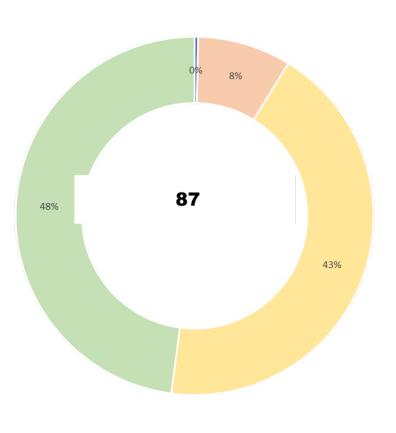
- DCAS tracks 28,500 City Fleet Trucks and School Buses live through our Fleet Office of Real-Time Tracking (FORT).
- DCAS has reduced high risk driving by 15% in the last six months for the City fleet.
- DCAS will partner with the Office of Pupil Transportation (OPT) to track and reduce high risk driving by school bus operators.





Reducing High Risk Driving

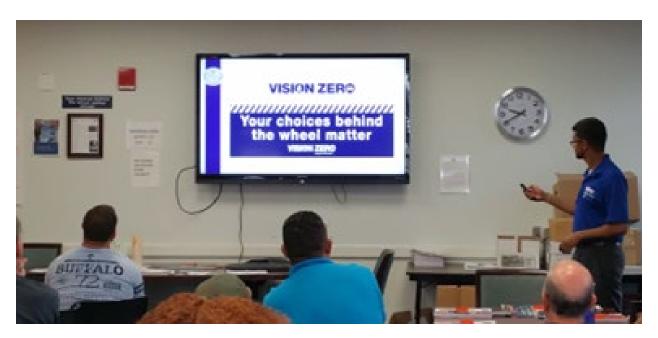
Average Safety Score





Expanding Safety Training

- DCAS has now trained over 90,000 fleet operators in all day training in person or on-line since 2014 and the beginning of Vision Zero.
- DCAS will partner with DOE to train all school bus operators by end of 2025.





Partnering with TSR to Improve Seatbelt Use

TSR ANNOUNCES KEY PARTNERS FOR GLOBAL SEATBELT UTILIZATION STANDARDS



FOR IMMEDIATE RELEASE

Together For Safer Roads Announces Steps Toward New Global Seatbelt Utilization Standards and Fleet Operator Implementation Partners During United Nations General Assembly

New York, NY (September 19, 2023) — This week, Together for Safer Roads (TSR), a leading non-



FORT GREENE

Tow truck driver who struck and killed 7-year-old boy in Brooklyn arrested: Police

By Marc Santia and NBC New York Staff • Published October 27, 2023 • Updated on October 27, 2023 at 2:21 pm







Kamari Hughes





Contact

For more information, go to the NYC Fleet website: http://www.nyc.gov/html/dcas/html/employees/fleet.shtml

Keith Kerman
Chief Fleet Officer
New York City
Deputy Commissioner,
Department of Citywide Administrative Services

kkerman@dcas.nyc.gov







VISION ZERO & Building a Safer City



2023 Recipient Together for Safer Roads Global Vision Zero Leadership Award



Natalie Draisin

Director/United Nations Representative

North American Office, FIA Foundation



























KEYNOTE &

GLOBAL VISION ZERO LEADERSHIP AWARD

NATALIE DRAISIN

NORTH AMERICA DIRECTOR & UNITED NATIONS REPRESENTATIVE







WHO WE ARE

- Global philanthropy: Work closely with partners to shape projects and advocate for safer, more sustainable policy and practice.
- Objective: Safe and healthy journeys for all.
- Support: Safer vehicles and highways, clean air and electric cars, safe motor sport and low speed streets.







Climate Action



Clean Air



Safe Motor Sport



Child and Youth Rights



Liveable Cities





















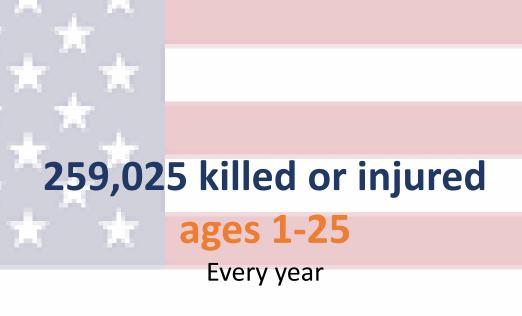






10 school buses fall off a cliff

every day 365 days/year



Costing the US \$141.4 billion





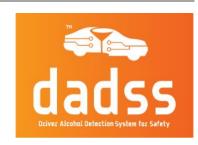


Sound Public Policy

Safety & Societal Benefits

- ✓ Each year, 9,400 deaths could be prevented
 - Insurance Institute for Highway Safety (IIHS) analysis
- ✓ Over 15 years
 - Almost 59,000 deaths and approximately 1.25 million nonfatal injuries could be avoided
 - Estimated <u>\$342 billion</u> in injury–related costs avoided (University of Michigan)



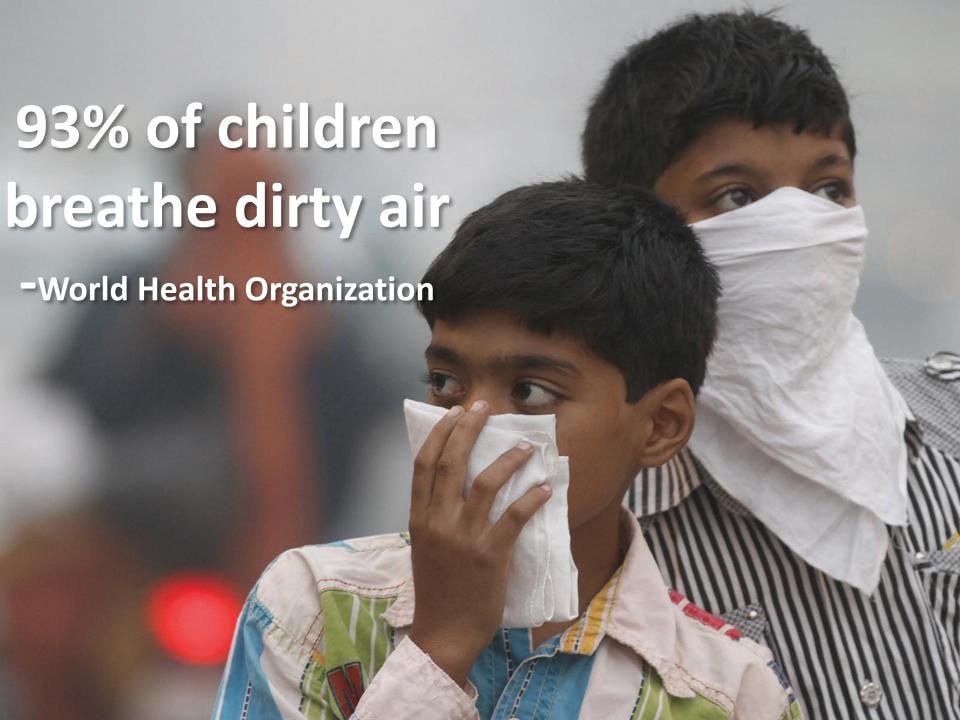


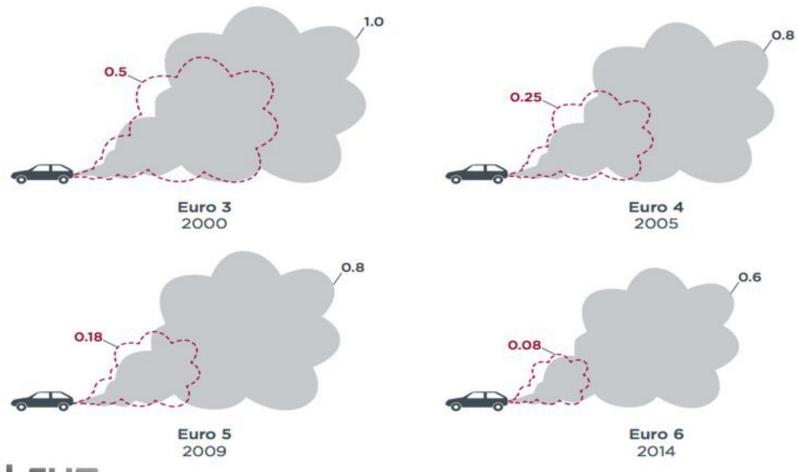
- ✓ Drunk driving is the still the #1 cause of traffic fatalities, costing the U.S. an estimated \$194 billion annually
- ✓ A one-time investment totaling less than 1% of this cost – is both sound fiscal and sound safety policy

Sources

Farmer, C. M. (2020) Potential lives saved by in-vehicle alcohol detection systems. IIHS. Available at https://www.iihs.org/topics/bibliography/ref/2209.

Carter, P. M., Flannagan, C. A., Bingham, C. R., Cunningham, R. M., & Rupp, J. D. (2013) Alcohol ignition interlock installation in new vehicles as a primary prevention measure to decrease alcohol involved crash fatalities and injuries. In *Alcoholism-Clinical and Experimental Research*, 37, pp. 149A-149A. Wiley-Blackwell: Hoboken, NJ





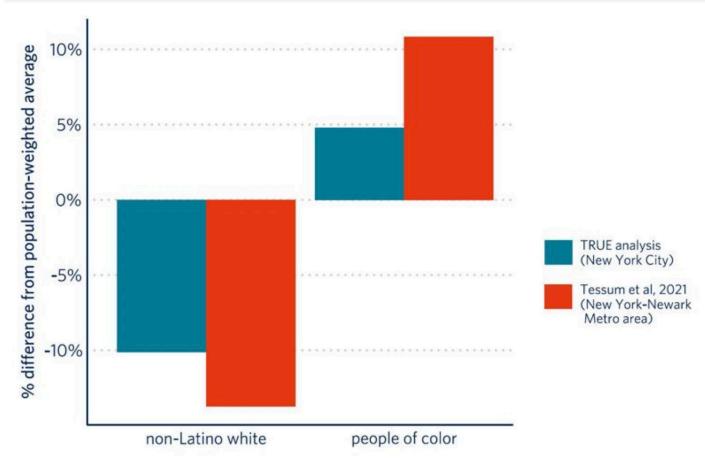


- On-road measured value (Carslaw, 2011) / (ICCT, 2014)
- --- Euro emission limit

TRUE locations



NYC: RACIAL DISPARITY IN AIR POLLUTION



HOW MUCH DOES YOUR CAR POLLUTE?

Find out: TRUEinitiative.org

HOW DOES YOUR CAR RATE?

Manufacturer

Model

Fuel Type

Emissions Standar

Engine Size (L)

Vehicle Class

True Rating

Q





LONG-TERM DECISION



Approximately 20+ year lifespan

Every fleet that is not safe & sustainable is an opportunity lost



YOU CAN IMPROVE DECADES OF SAFETY









HER SAFETY





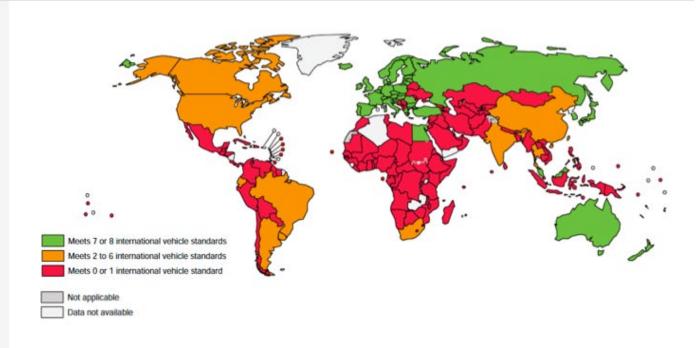
ANTÓNIO GUTERRES, SECRETARY-GENERAL OF THE UNITED NATIONS

U.S. DOES NOT MEET ALL UN SAFETY STANDARDS

UN Priority Safety Standards

- Seat belt anchorages
- · Safety belts & restraints
- Frontal collision
- Lateral collision
- Electronic stability control
- Pedestrian protection
- Child restraints
- Motorcycle ABS

*Or equivalent national standards (eg: FVMSSs)



40 out of 193 UN Member States apply 7-8 of most important UN safety regulations. These are overwhelmingly high-income countries





491,909

408,674

TURKEY

ARGENTINA

REG. 129 - Child restraint systems

■ ISA – Intelligent Speed Assistance

REG. 140 - Electronic Stability Control

REG. 150 - Autonomous Emergency Braking

Programme

REG. 16 - Seat belts

(anti-lock brakes)

REG. 14 - Safety belt anchorages

😚 REG. 78 – Motorcycle braking



FIA ROAD SAFETY INDEX

Methodology to assess road safety performance of private sector, looking at value chain.

Platform to inform external stakeholders of what they can do to control safety.

Tool to help organizations understand what they know and don't know about their operations.



DOMESTIC & INTERNATIONAL ALIGNMENT













VISION ZERO FOR YOUTH U.S.



















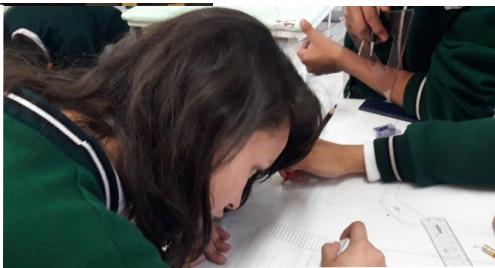




Source: National Center for Safe Routes to School



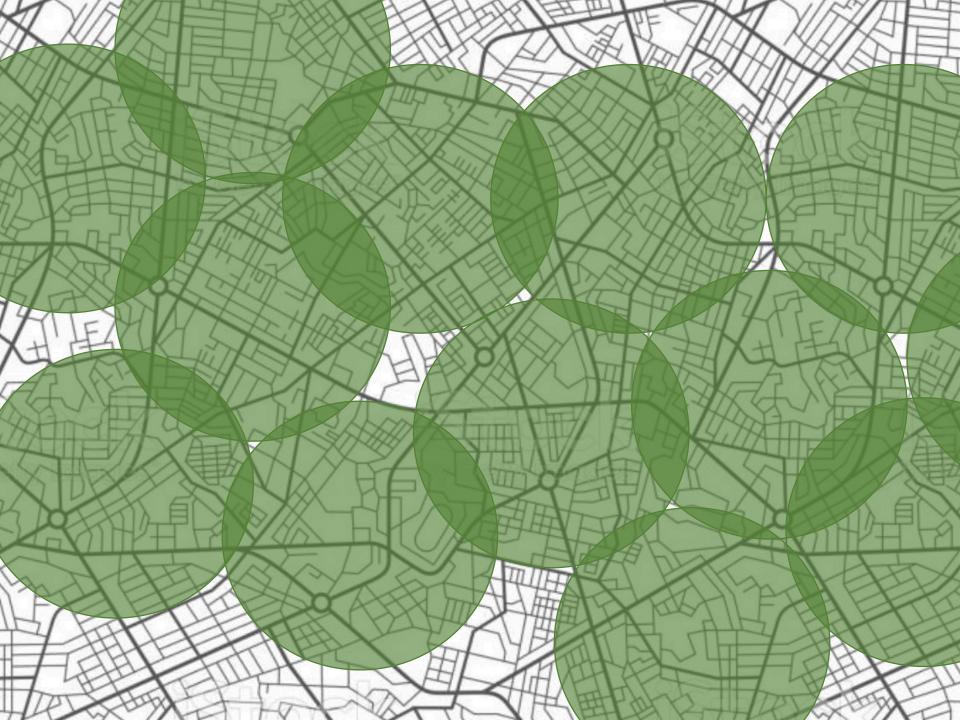


















APPLY FOR VISION ZERO FOR YOUTH LEADERSHIP AWARD



Open to U.S. cities, counties & tribal governments until **December 16, 2023**

visionzeroforyouth.org/awards/US





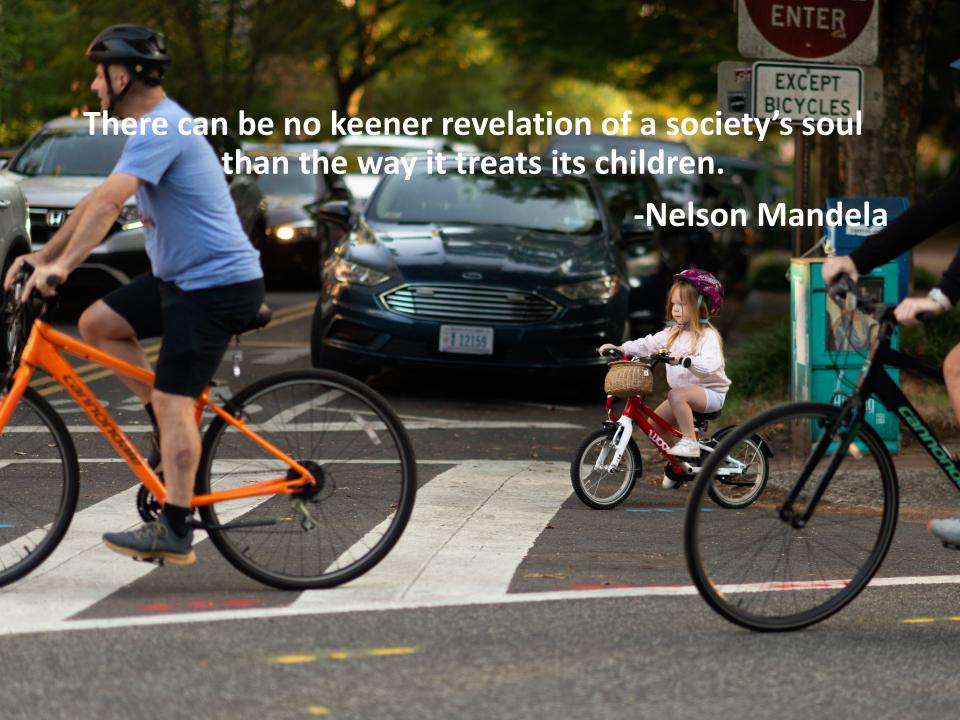






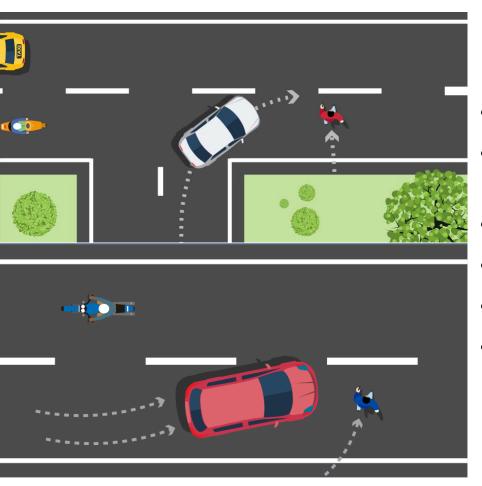








TRAFFIC CONFLICT TECHNIQUE TOOLKIT



- Free
- 5 methods based on your experience and resources
- 11 steps, 8 months
- Pre & post monitoring
- Includes data collection forms
- Video analysis optional





Megan Ramey @BIKABOUT · May 10, 2020

Moms: the indicator species for a healthy city.

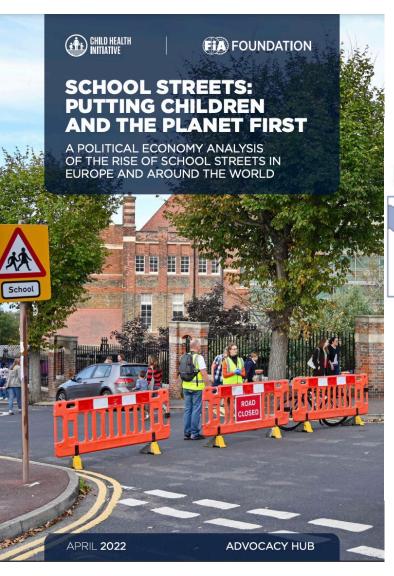
When you see Mom and child biking side-by-side and smiling or talking, this indicates a great bikeway.

#HappyMothersDay

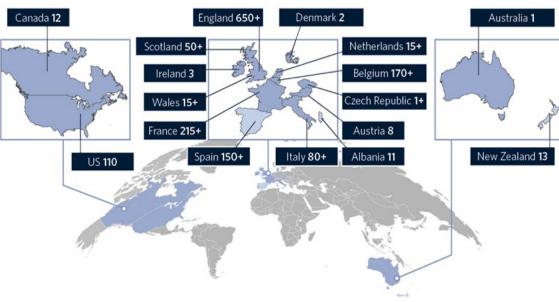








SCHOOL STREETS GLOBALLY



childhealthinitiative.org/connect/publications/schoolstreets-putting-children-and-the-planet-first







VISION ZERO &

Building a Safer City

Panel 1: A Vision for Tomorrow



Geoff Rigg

President

Dennis Eagle Inc., North

America



Sam Weller
Freight & Fleet Project
Manager
Transport for London



Moderator:

Dr. Alex Epstein
Safety and Sustainability
Senior Engineer
U.S. DOT Volpe Center



Jim Olson
Vice President of Safety
Republic Services



Andrea Bach
Senior Solution Engineer
VisionTrack







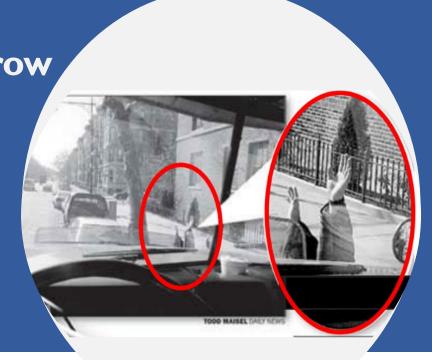






A (Direct) Vision for Tomorrow

November 2, 2023 | NYC Vision Zero Fleet Safety Forum





Agenda

- The Blind Zone Problem
- Why Direct Vision Matters
- Who's Doing What About It
- Measuring Direct Vison
- The Panel





The Blind Zone Problem



WATCH OUT FOR BLIND ZONES

The risk of injury or death to vulnerable road users (VRUs)

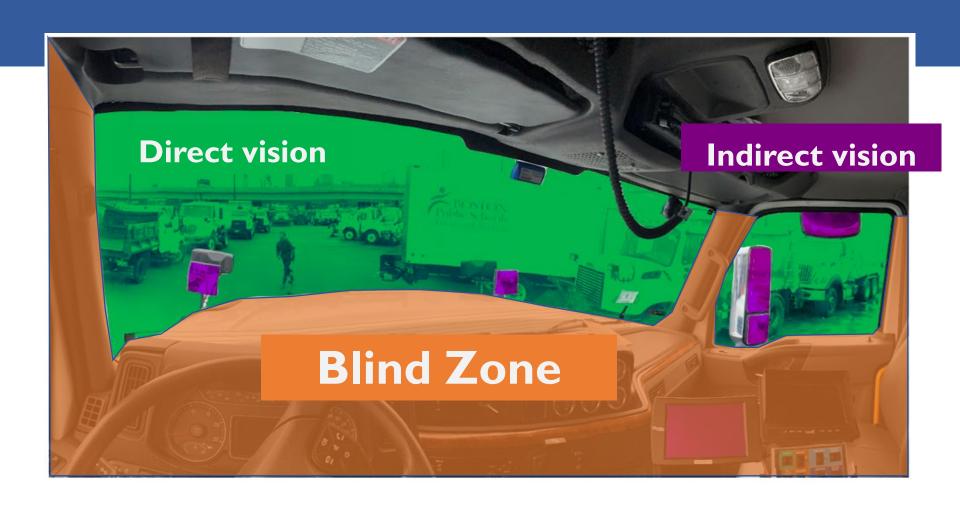
— pedestrians, pedalcyclists, and other non-vehicle occupants —
has rapidly increased over the past 20 years.

What are blind zones, direct vision, and indirect vision?



For More Information: FHWA Pedestrian & Bike Safety - https://highways.dot.gov/safety/pedestrian-bicyclist







Not just a problem with large trucks

WATCH OUT FOR BLIND ZONES

The risk of injury or death to vulnerable road users (VRUs)

— pedestrians, pedalcyclists, and other non-vehicle occupants —
has rapidly increased over the past 20 years.



For More Information: FHWA Pedestrian & Bike Safety - https://highways.dot.gov/safety/pedestrian-bicyclist



Why Direct Vision Matters



Scope of the problem

- 2nd leading cause of truckpedestrian crashes, in over 1/3 of VRU-truck crashes in the UK (Loughborough University);
- **25% of VRU-truck deaths** in the U.S. (UMTRI, 2006).
- NTSB recommended addressing truck blind zones to reduce VRU fatalities (2013)

>650 >15,000 Fatalities/yr Injuries/yr

https://deepblue.lib.umich.edu/handle/2027.42/83927
https://crashstats.nhtsa.dot.gov/Api/Public/ViewPublication/812515
https://www.iihs.org/news/detail/suvs-other-large-vehicles-often-hit-pedestrians-while-turning
https://www.consumerreports.org/car-safety/the-hidden-dangers-of-big-trucks/

https://rosap.ntl.bts.gov > dot > dot _20427_DS1; https://www.ntsb.gov/safety/safety-recs/recletters/H-13-011-019.pdf; https://www.ntsb.gov/safety/safety-recs/recletters/h-14-001-007.pdf; https://www.ntsb.gov/safety/safety-studies/Documents/SIR1803.pdf



Importance of direct vision at a crosswalk



Low Vision



High Vision







Who is doing what about blind zones?



Globally

- SUVs/Pickups/Cars
 - UN regulation 125 ("Forward field of vision")
- Bus
 - APTA bus procurement guide
- Large truck
 - Transport for London Direct Vision Standard
 - UN Regulation 167 ("Commercial Vehicle Direct Vision")









North America

- City of Boston
- City of New York
- Massachusetts DOT
- Quebec Bureau of Standardization
- Together for Safer Roads
- US DOT Volpe Center and OST-R
- Insurance Institute for Highway Safety
- National Safety Council Safer Vehicle Design Working Group





The Panel

Geoff Rigg Sam Weller Andrea Bach Jim Olson Dennis Eagle Inc. NA Transport for London VisionTrack Republic Services



Thank you!

USDOT Volpe Center blind zone team email:

blindzoneapp@dot.gov



VISION ZERO &

Building a Safer City Panel 1: A Vision for Tomorrow



Geoff Rigg

President

Dennis Eagle Inc., North

America



Sam Weller
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Manager
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VisionTrack







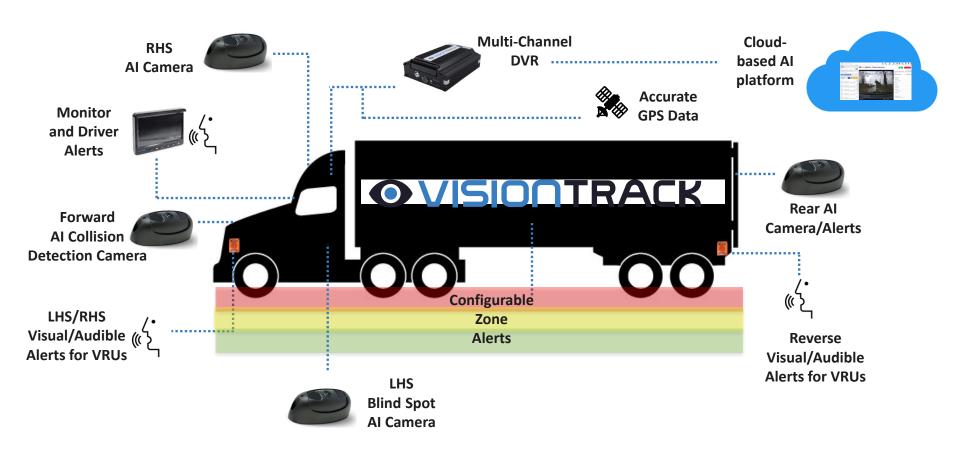








Truck of the Future





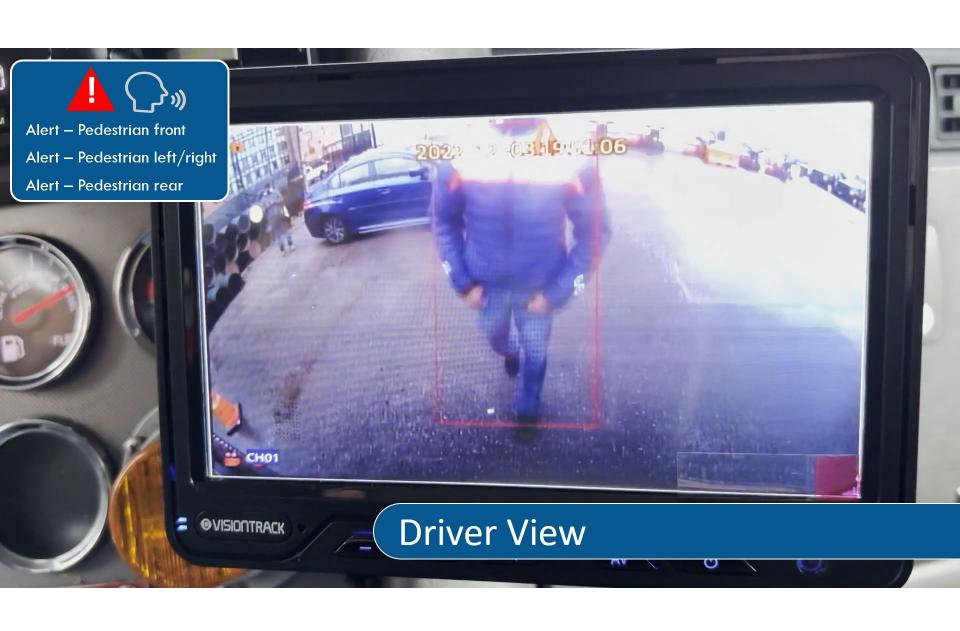
Vulnerable Road Users

Real-Time Pedestrian Alert









Vulnerable Road Users

Real-Time Motorbike Alert







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Matthew Daus

President

International Association of Transportation Regulators





David Do

Commissioner & Chair

NYC Taxi & Limousine
Commission

















VISION ZERO &

Building a Safer City

Panel 2: Braking the Culture of Speed



Jessica Cicchino, Ph.D. Vice President of Research **Insurance Institute for Highway** Safety



Moderator: Richard Simon Region 2 Administrator **NHTSA**



Mike McGinn **Executive Director America Walks**



Maxime Brault Director of Road Safety Research SAAQ



Julie Huntington Member & Policy Advocate **Families for Safe Streets**















IIHS activities on speed

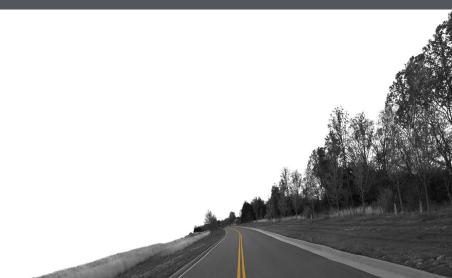
Vision Zero Fleet Safety Forum

November 2, 2023



Jessica Cicchino

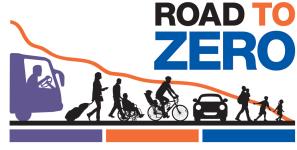
VP Research, IIHS





Vehicle-based approaches to preventing speeding: recommended strategies

- Promote ISA on privately-owned passenger vehicles
- Promote ISA and speed limiters to public and commercial fleets
- Promote ISA and speed limiters to high-risk groups
- Improve public acceptability of ISA
- Improve speed limit information quality
- Investigate benefits of current ISA systems on passenger vehicles





Lowering urban speed limits reduces speeds and injury severity

Reducing the default speed limit from 30 mph to 25 mph...

- Lowered the odds that drivers in Boston exceeded 30 mph by 9% and 35 mph by 29%
- Reduced the risk of being injured in a crash on arterials in downtown Seattle by 20%

Automated enforcement program checklist

Outlines best practices for establishing successful red light and speed safety camera programs with broad public support.







Identify problem intersections and roadways

. Collect resident and roadway user input.

For red light cameras:

• Ensure that yellow light timing conforms to the Manual on Uniform Traffic Control Devices and Institute of Transportation Engineers guidelines.

Engineers, and the National Association of City

Assess violation and crash data.
 Conduct field observations.





::nsc



Speed management pilot program

Maryland received \$100,000 in grant funding

Countermeasures include:

Roadway improvements
Increased speed enforcement
Public outreach

Odds of exceeding the speed limit by > 10 mph reduced by 80%





Insurance Institute for Highway Safety Highway Loss Data Institute

iihs.org

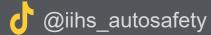








in /company/iihs-hldi



THANK YOU



Jessica Cicchino

VP Research jcicchino@iihs.org



Braking the culture of speed in the province of Quebec

Actions taken over the last three decades

Maxime Brault
Road Safety Research Director, SAAQ

Speeding - What Have We Done

SAAQ - Mission and Mandates

SAAQ: A public insurance governmental organization for people injured after a road crash in Quebec

Mission:

Protect individuals from the inherent risks of road use:

1. Protection

 Promoting road safety through awareness campaigns to improve Quebec's road safety record

2. Control and Surveillance

- Managing access to the road (same as DMV)
- Monitoring and controlling road transportation of persons and goods

3. Compensation and Rehabilitation

- Compensates people who have been injured in road collisions and facilitates their rehabilitation
- Sets insurance contributions



Road Safety Research Team - Mandates

Increasing road safety knowledge:

- Behavioural observation
- Roadside surveys
- Public opinion polls: reported behaviour, attitudes, opinions, and risk perceptions
- Statistical analysis of collision data, violations, and demerit points
- Research

To help SAAQ develop evidence-based interventions

- Awareness campaigns
- Social marketing
- Programs, countermeasures, tools, and laws and regulations
- Strategies and partnerships



Road Safety Benchmarking, 2021

	Norway	Sweden	Netherlands	Québec	Canada	New York State	USA
Fatalities	80	210	582	347	1,768	1,157	42,939
Fatality rate per 100 000 inhabitants	1.5	2.0	3.3	4.0	4.6	5.8	12.9
Population	5,408,320	10,452,326	17,475,415	8,602,335	38,226,498	19,587,492	332,031,554

Speeding is a causal factor of 30.8% of collisions that result in a fatality and 17.7% of all total injuries (2018-2022)



Speed Actions in Quebec, 1990-2020

A theme of research and intervention for over 30 years:

1st step (1990s'): Speed is a strong social value, risks are not well known.

Actions are:

- Raising awareness about the risks of speeding
- Education about the physics of speed (braking distances, crash risks, severity vs impact speeds, and field of vision)
- Increase the credibility of speed limits
- Increase the perceived risks of being arrested

Speed actions in Quebec 1990-2020

A theme of research and intervention for more than 30 years:

2nd step (00s' and 10s'): People understand the risks, but don't care. Speeders are the problem.

Actions are:

- Awareness Campaigns: speed is costly, encourage passengers to speak up, the faster you drive the greater the risks
- Work in partnership to share knowledge and best practices (road safety roundtable)
- Increase excessive speeding sanctions (40, 50 or 60 kph over the limit depending of the speed zone): fines and demerit points doubled, immediate suspension of driver license and vehicle seizing. (2008)
- Photo-radar and red light cameras introduced (2009)
- Fines doubled for speeding in road work zones or school zones



Speed actions in Quebec, 1990-2020

A theme of research and intervention for more than 30 years:

3rd Step (20s'): Brake the social norm
I'm driving 5-10 mph above posted speed limit, but I'm following the traffic, so it's fine

- The majority find it acceptable to slightly exceed the limit on rural roads (63%) or in the city (55%)
- 70% consider that exceeding speed limits by less than 10 km/h is completely acceptable

Although:

- 97% agree on the importance of respecting the posted speed limits
- 84% want people to drive slower in zones of 50 km/h or less
- A slight speeding violation is considered abnormal (54%) or serious and dangerous (50%) in a 30 km/h zone

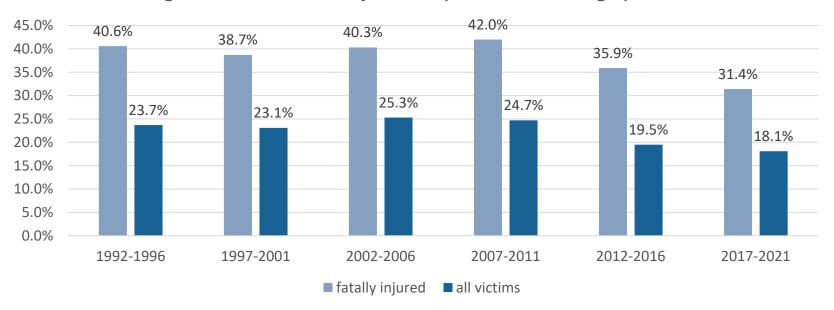
What respondents think of those who respect the speed limits:

- 83% believe that drivers who respect the speed limit in zones of 50 km/h or less deserve respect
- 70% of drivers feel they are judged positively by others when they obey speed limits
- 51% somewhat or strongly agree that more and more drivers are following speed limits



Speeding Contribution Over the Years

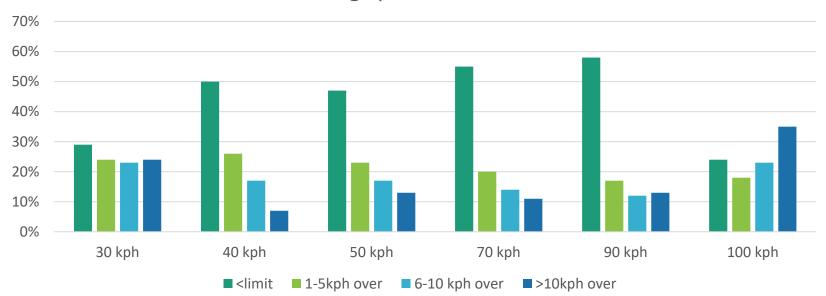
Percentage of car collision injuries reported involving speed



Speeding - What Needs to be Done

Roadside Surveys on Traveling Speeds (2022)

Traveling Speeds Distribution



Braking the social norm

Denormalize speed:

Speeding strategy 2021-2025 - SAAQ:

- Transformation of «slight speeding social norm» to support the idea that the constant quest for speed is tiresome, both on the road and in life
- Create a movement among road users that an increasing number of people disapprove of those who drive faster than the speed limit

Approach:

- Change the perception among the population that minor speeding is commonplace
- Complement limited police action by adding an element of self-control:
 - "It's not so much the risk or not that my speed will result in a ticket that will make me slow down"
 - "It is the perception that my behavior is seen as a bit 'silly' by others"



Braking the Social Norm

Denormalize speed:

Approach:

- Denormalization will serve to change the perception by gradually leading people to consider that exceeding the speed limit, even by a small margin, is not normal
- Associate the idea that "disconnecting from the need to go faster" is a growing trend, more and more popular in today's life

How:

- Studies: margin of tolerance (police), road design (civil engineers), Deterrence theory (impact of very small fines for slight speeding)
- Awareness campaigns: Leave earlier, Let's respect speed limits
- Partnership with the public health sector and non-traditional partners (be part of the «slow-living movement»)

au cœur de votre sécurité

Merci! Thank you!

For any questions: maxime.brault@saaq.gouv.qc.ca



Victim-Survivor Advocacy

Putting Pain to Purpose with Families for Safe Streets

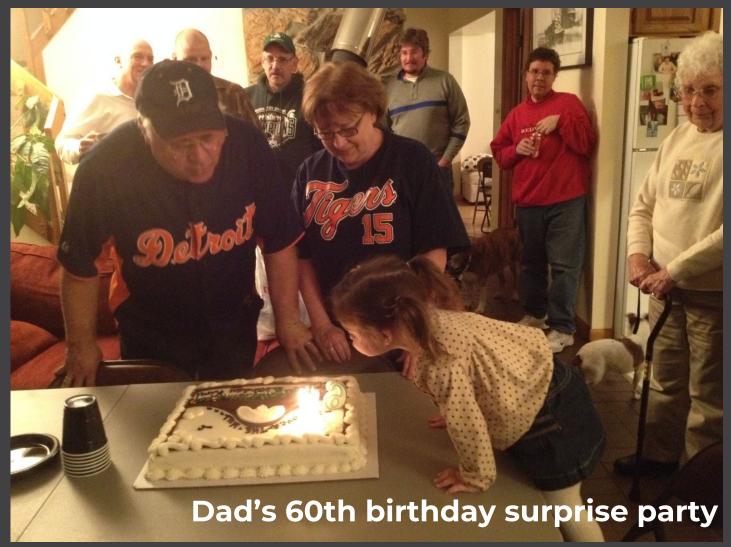


Julie Huntington,

Co-Chair FSS Policy & Advocacy Committee NYC

November 2, 2023







FSS CHAPTERS



Alexandria, Virginia

Arlington County, Virginia

Atlanta, Georgia

Central Texas

Fairfax County, Virginia

Montgomery County, Maryland

Nashville, Tennessee

New York, New York

New Jersey

Northeast Ohio

Oregon and Southwest Washington

Philadelphia, Pennsylvania

Richmond, Virginia

San Diego, California

San Francisco Bay Area, California

San Jose, California

Southern California

Toronto, Canada

Utah

Washington, DC





FAMILIES FOR SAFE STREETS (FSS)

Families for Safe Streets confronts the preventable epidemic of traffic injuries and deaths through advocacy and support.

FSS is comprised of individuals who have lost loved ones, been injured, or care for someone who was, in traffic violence.

SUPPORT SERVICES

- Resource Guide
- Peer Mentoring
- Support Communities
- Referral Guidance

Learn more at familiesforsafestreets.org

WON 25 MPH SPEED LIMIT

NATION'S LARGEST SPEED CAMERA PROGRAM

PASSED NYC STREETS PLAN

DANGEROUS VEHICLES ABATEMENT PROGRAM



NEW FSS INITIATIVE: NYS ISA for Repeat Offenders Bill

LOCAL NEWS >

New York lawmakers pitch installing speed limiters on cars of chronic traffic offenders







Transit

State lawmakers unveil bill to put speed limiting devices in reckless drivers' cars

JUSTICE AND PUBLIC SAFETY

New York Lawmakers Want to Mandate Devices to Slow Speeders

New York Bill Aims to Place Speed Limiters in Cars With Too Many Speed Camera Tickets





Drivers who have received multiple speed-camera violations would be ordered to install aftermarket speed limiters on their vehicles under a state bill proposed Tuesday by two legislators.









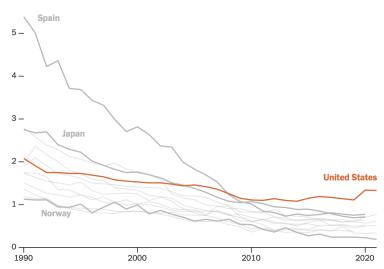
Crash death rates* in high-income countries



America is becoming more of an outlier when it comes to road safety

Annual road fatalities adjusted for distance traveled, including those in motor vehicles as well as pedestrians and cyclists.

DEATHS PER 100 MILLION MILES TRAVELED



Source: O.E.C.D., National Highway Traffic Safety Administration • Note: Comparison countries selected from <u>a list of peer countries</u> based on comparable income levels. Some countries were excluded because of missing data.



SAFE VEHICLES

BIGGER VEHICLES = MORE PEOPLE KILLED

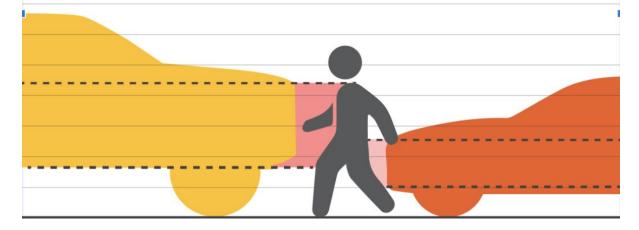
Automakers build bigger vehicles every year. Taller front-ends increase likelihood of head or chest impact and of falling under the vehicle instead of on the hood. Plus, more power required to power larger vehicles means a harder strike.

It doesn't have to be this way. In Japan and Europe, government regulations force automakers to make vehicles safe in shape and size. Fatalities are in decline there while on the rise in the U.S.

Ford F-Series 6'9"

Avg American 5'7"

Sedan 4'8"





SAFE SYSTEM APPROACH



Traditional approach	Safe System approach
Prevent crashes	Prevent death and serious injuries
Improve human behavior	Design for human mistakes/limitations
Control speeding	Reduce system kinetic energy
Individuals are responsible	Share responsibility
React based on crash history	Proactively identify and address risks



TRAFFIC CRASHES ARE PREVENTABLE



crashnotaccident.com



Contact Information





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Workshops:

The Cabaret Room

The Power of Procurement

The Studio Room

Storytelling for Change

Main Theatre
Right Size Then Electrify

VISION ZER® & Building a Safer City



















Closing Remarks Main Theatre – 3PM



Sam Stephens *Executive Director* **AB InBev Foundation**

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