



VISION ZERO NEW YORK CITY

Risk

What is risk-based safety planning?

- Not just targeted to specific crash sites and geographies
- Analyzes crash typology and trends (i.e., mode, contributing factors, demographics, time of day, etc.) to identify high risk behaviors and most vulnerable populations
- Deploys treatments broadly and systematically

VISION ZERO NEW YORK CITY

Safe Systems in Practice

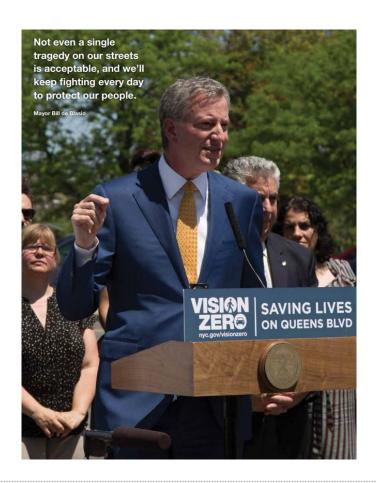
NYC & NYC DOT Systematic Approach to:

- Research, Studies, Planning
- Programs, Projects and Treatments
- Safety & Operational Evaluation

VISION ZERO NYC

What does it involve?

- Mayoral Commitment
- Resourced
- Data-driven and evidence-based
- Shared public metric of success lowering fatalities and injuries
- An ongoing process of cultural change both public and institutional
- Laser-focus on SPEED (25MPH in 2014)
- A multi-agency effort
- Comprises Legislation, Engineering, Enforcement & Education



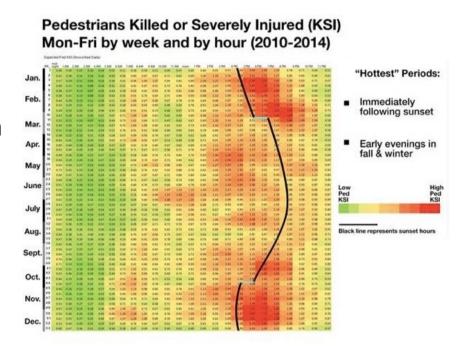
A FOCUS ON PRIORITY LOCATIONS

- Data 2012-2016, pedestrian deaths and serious injuries
- 7% of corridors were the site of 50% of ped KSI
- 1% of intersections see 15% of ped KSI



DUSK AND DARKNESS

- Data analysis showed spike in pedestrian casualties in early evening around the time clocks turned back
- Clock change resulted in evening rush hour being in darkness
- DOT, NYPD, TLC messaging to drivers: Small change in time leads to massive difference in visibility
- Increased enforcement of dangerous driving
- Sustained decreases since initiative began



FATALITIES DASHBOARD

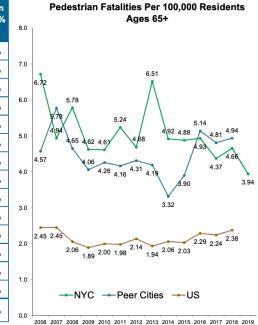
Monthly crash analysis

- Track and analyze traffic fatalities by:
 - Mode
 - Age
 - Time of Day
 - Borough
 - Contributing factor
 - Vehicle Type
 - Gender
 - Mid-block / intersection / highway

Senior Pedestrians age 65+



Note: *includes bicvclist on senior pedestrian fatalities (non FARS): 1 in



Year to Date 1/1/2020 - 6/30/2020 6 months

2020	15	39%
-Year Avg.	23.7	47%
2019	28	50%
2018	19	39%
2017	24	51%
Year	Number	Pct. of Ped Fatals
		D / (D)

%Change in 2020 From **3-Year Average**

-37%

PROGRAMS, PROJECTS AND TREATMENTS

Systematic Deployment

Since the start of Vision Zero:

NYC DOT has made safety engineering improvements at more than 85% of Priority Intersections and more than 75% of the total length of Priority Corridors

- More than 450 safety engineering projects completed at Priority Locations
- Nearly 600 miles of corridors retimed for 25 MPH speed limit
- Over 400 intersections received Left Turn Traffic Calming
- Over 4,000 new Leading Pedestrian Intervals (LPIs)
- More than 7 million speed camera violations issued
- More than 70 signals & all-way stops approved via Proactive Warrant Analysis program (began in 2017)

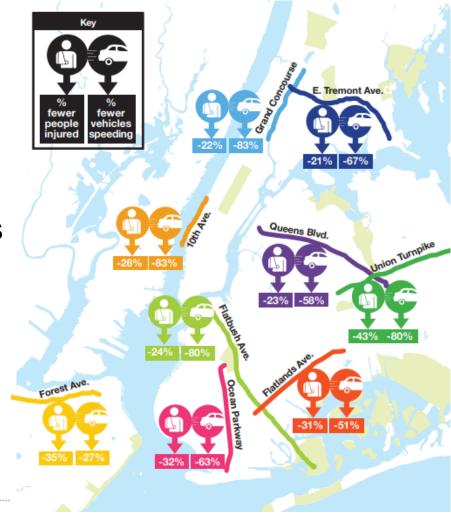
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SPEED MANAGEMENT

Possibly our most important tool

Speed camera program

- 750 locations by schools
- Fixed and mobile
- Speeding down 63% at locations with cameras
- Hard-fought expansion
- 2000 cameras planned



EVALUATION

- Holding ourselves accountable for initiatives
- Revisiting Priority Locations maps with new data
- Street Improvement Project Program evaluation – micro & macro
- Left turn speeds
- Before/after speeds from City telematics data
- TRAFFIC FATALITIES...



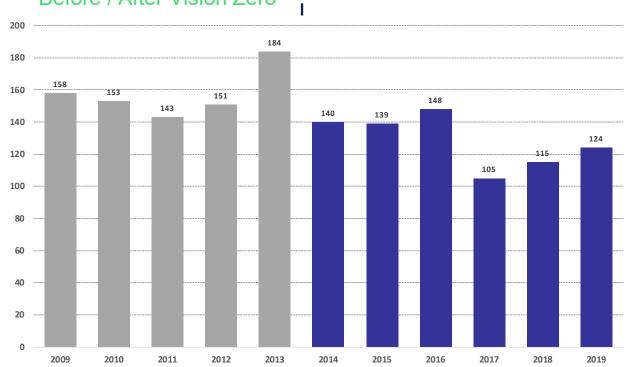


EVALUATION

- Between 2008 and 2017, pedestrian fatalities in urban areas nationwide increased by 46%
- During that same time period, pedestrian fatalities in New York City dropped 31%

PEDESTRIAN FATALITIES

Before / After Vision Zero



5 year average pre-VZ: 158

2019 vs pre VZ **-22%**

COVID-19 PANDEMIC

Fatality & Injury Trends

- Traffic & pedestrian volumes down
- Injuries down
- Pedestrian fatalities down
- Motor vehicle occupant & motorcyclist fatalities up
- Increase in speed related fatalities & injuries

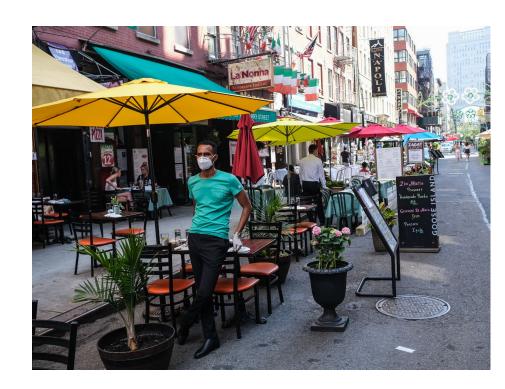


COVID-19 PANDEMIC

Current and Future Challenges

- Dramatic budget cuts
- Increase in traffic volume as New Yorkers avoid the subway

 more exposure for vulnerable road users
- Implementing fewer safety projects
- Shifting paradigm on enforcement



THANK YOU!

Questions?

