



VISION4IRONETWORK

Shifting the Paradigm
for Safety in Texas &
Beyond

August 18, 2022

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What We'll Cover Today:

- The Problem
- Safe System approach
- Need for change
- Renewed national urgency, action
- What's next?





**46,000 people were killed in
preventable traffic crashes
in the U.S. in 2021**

National Safety Council estimate

LUCIEN MERRYWEATHER, 9
ALLISON LIAO, 3
KIKO SHAO, 5
RENEE THOMPSON, 16
SAMUEL COHEN ECKSTEIN, 12
LUIS BRAVO, 18
TENZIN DRUDAK, 16
OLVIN YHAR FIGUERO, 3
PURAN THAPA, 7

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LUIS BRAVO, 18
TENZIN DRUDAK, 16
OLVIN YHAR FIGUERO, 3
PURAN THAPA, 7
SARA KISHIK, 15
AMAR DIARRASSOURA, 11
DENIM McLEAN, 2
ZULEMI TORRES, 18
JAVIER RAMIREZ, 18

PEOPLE
LIVE
HERE!

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①

Some are suffering more than others

Traffic deaths are the *leading*
cause of deaths among youth
(ages 1-19)

New England Journal of Medicine, 2018

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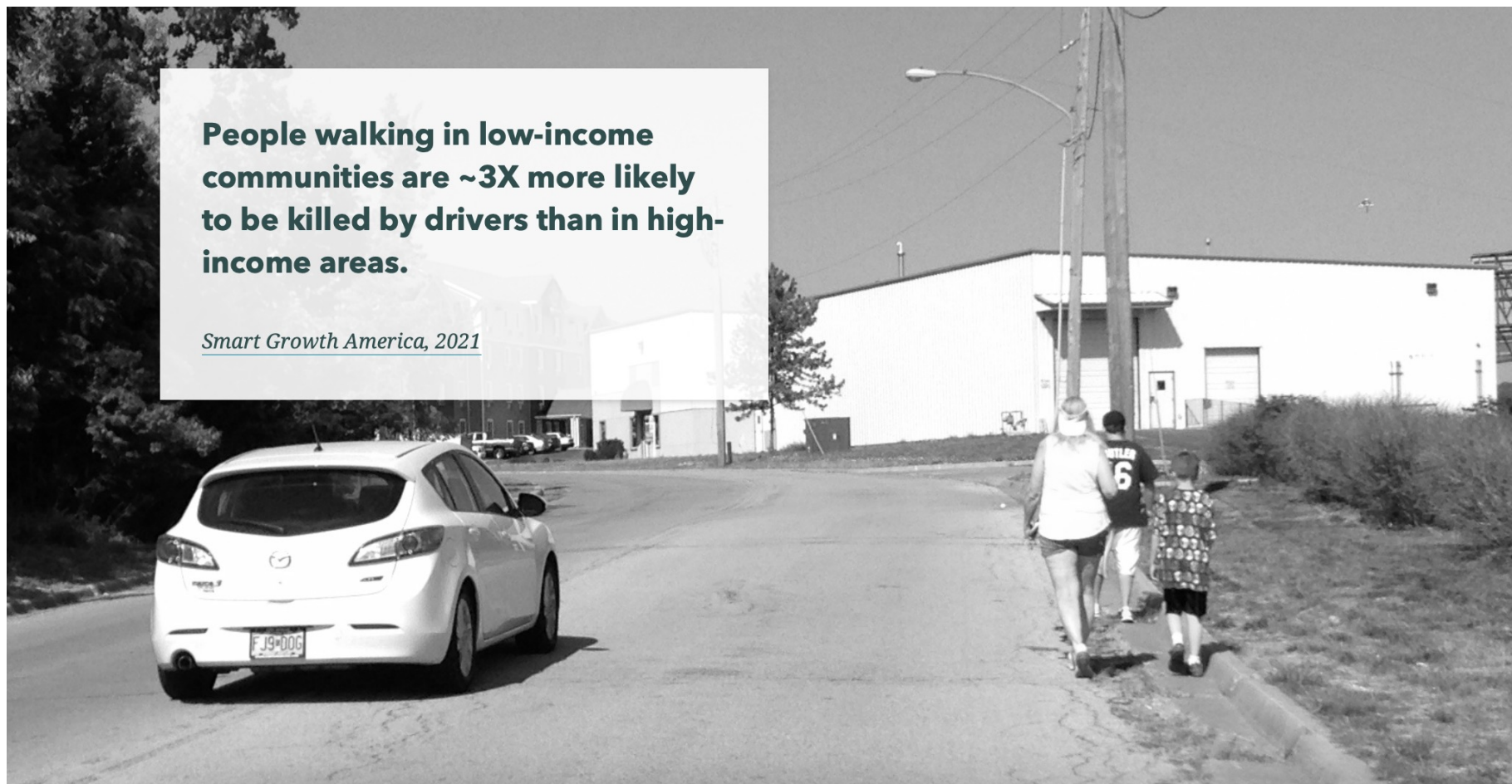
**Traffic deaths of people walking
increased 45% 2010-2019**

Smart Growth America, 2021

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People walking in low-income communities are ~3X more likely to be killed by drivers than in high-income areas.

Smart Growth America, 2021



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Black people are ~80% more likely to be killed by drivers while walking than White, non-Hispanic Americans.

Smart Growth America, 2021

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An aerial, black and white photograph of a dense urban environment. A major highway interchange with multiple overpasses and ramps is the central focus, with cars visible on the roads. Surrounding the highway are numerous city buildings of varying heights and styles, some with flat roofs and others with more complex structures. The overall scene depicts a complex infrastructure project within a city.

**We get the results
we design for.**

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**We get the results
we design for.**

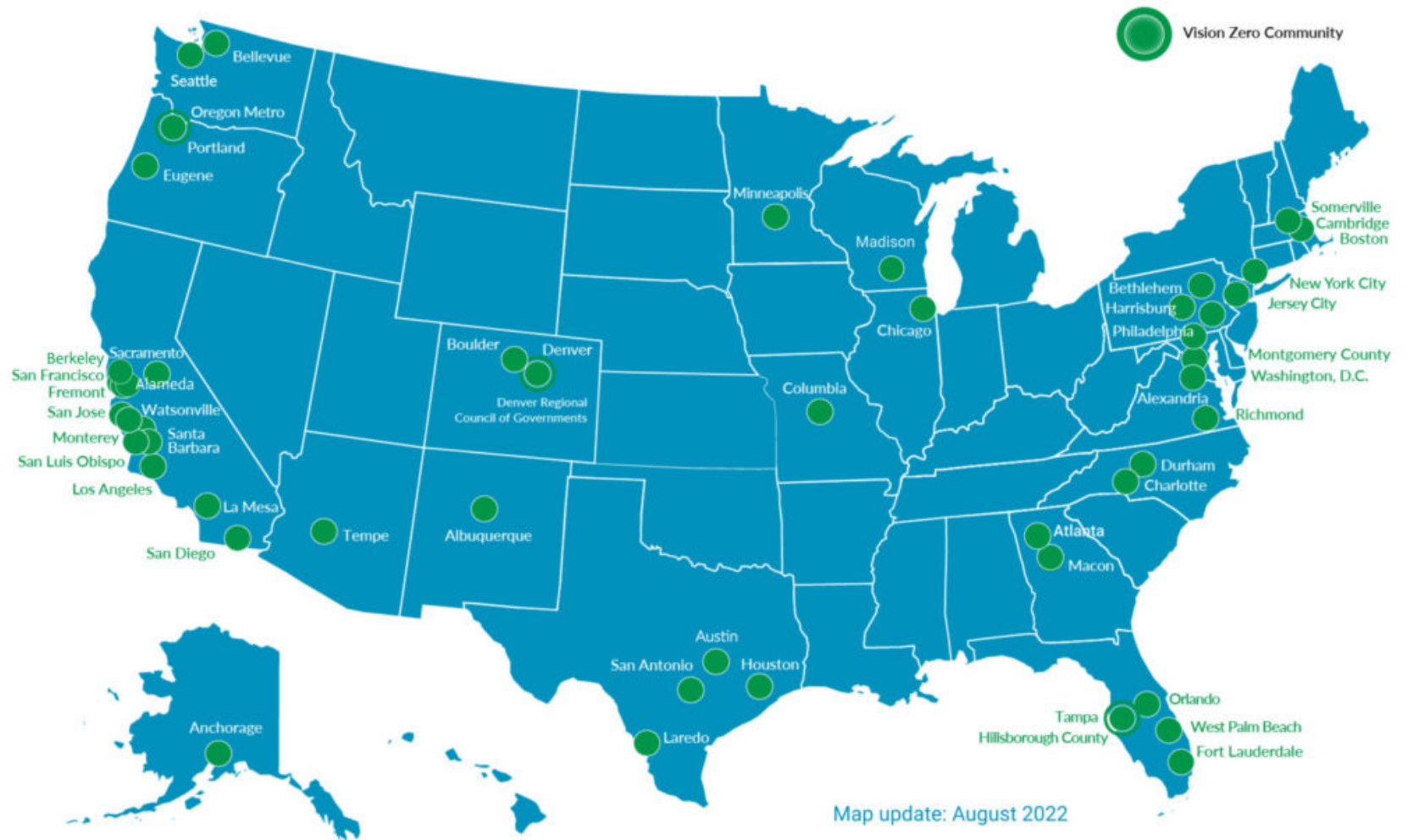
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CRASH
~~ACCIDENT~~



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AUSTIN TRANSPORTATION

TRAFFIC CALMING TOOLKIT



TRANSPORTATION



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Zero deaths. Zero serious injuries. Zero excuses.

Systemic Safety Initiatives

The City of Austin's Vision Zero efforts follow a Safe System approach: to design and operate our transportation network in a way that anticipates human errors, accommodates human injury tolerance, and has the ultimate goal of reducing fatal and serious injuries on our roadways. Per the Austin Strategic Mobility Plan, one key principle of Austin's Vision Zero program is that "safety initiatives should proactively improve systems safety." A proactive approach recognizes that there are certain similar conditions across our built environment that need to be addressed whether or not a severe crash has happened at that location in the past.



The Vision Zero team identified multiple sets of



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VISION4ERO

is not a slogan...
not a tagline...
not even a program.

Vision Zero is fundamentally
different – focusing on Safe
Systems.

It is a paradigm shift.

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If something doesn't work, let's do it differently

TRADITIONAL APPROACH

Traffic deaths are **INEVITABLE**

PERFECT human behavior

Prevent **COLLISIONS**

INDIVIDUAL responsibility

Saving lives is **EXPENSIVE**

VS

VISION ZERO

Traffic deaths are **PREVENTABLE**

Integrate **HUMAN FAILING** in approach

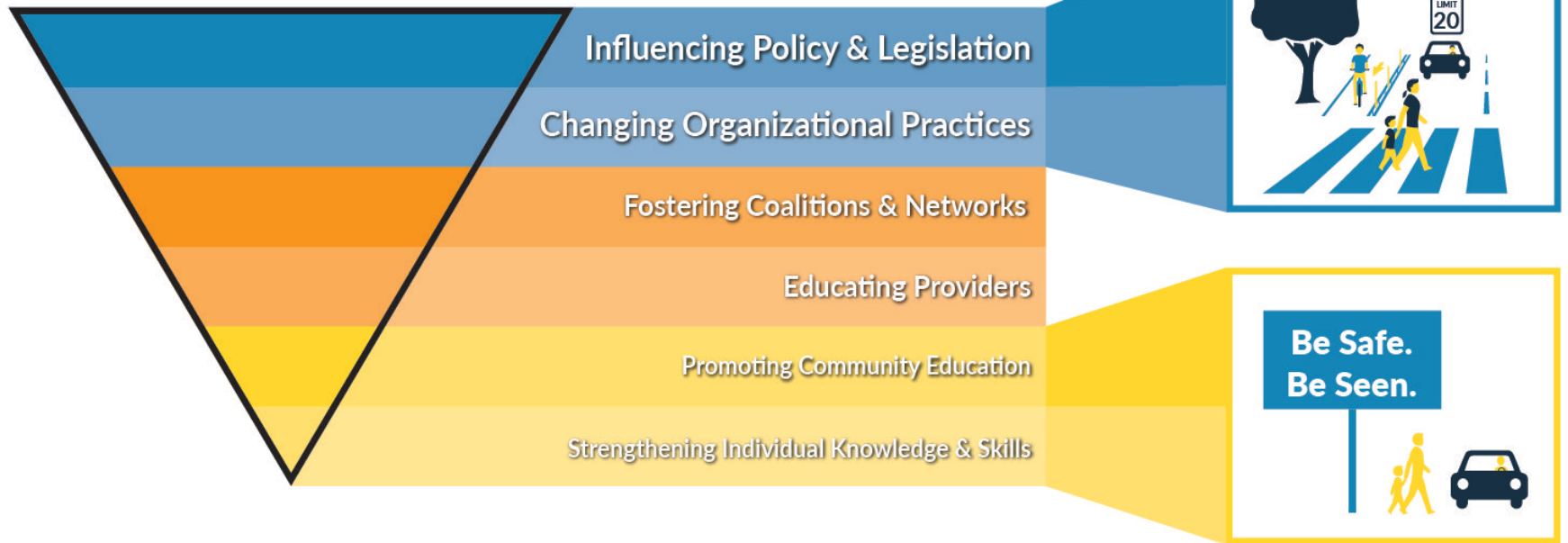
Prevent **FATAL AND SEVERE CRASHES**

SYSTEMS approach

Saving lives is **NOT EXPENSIVE**

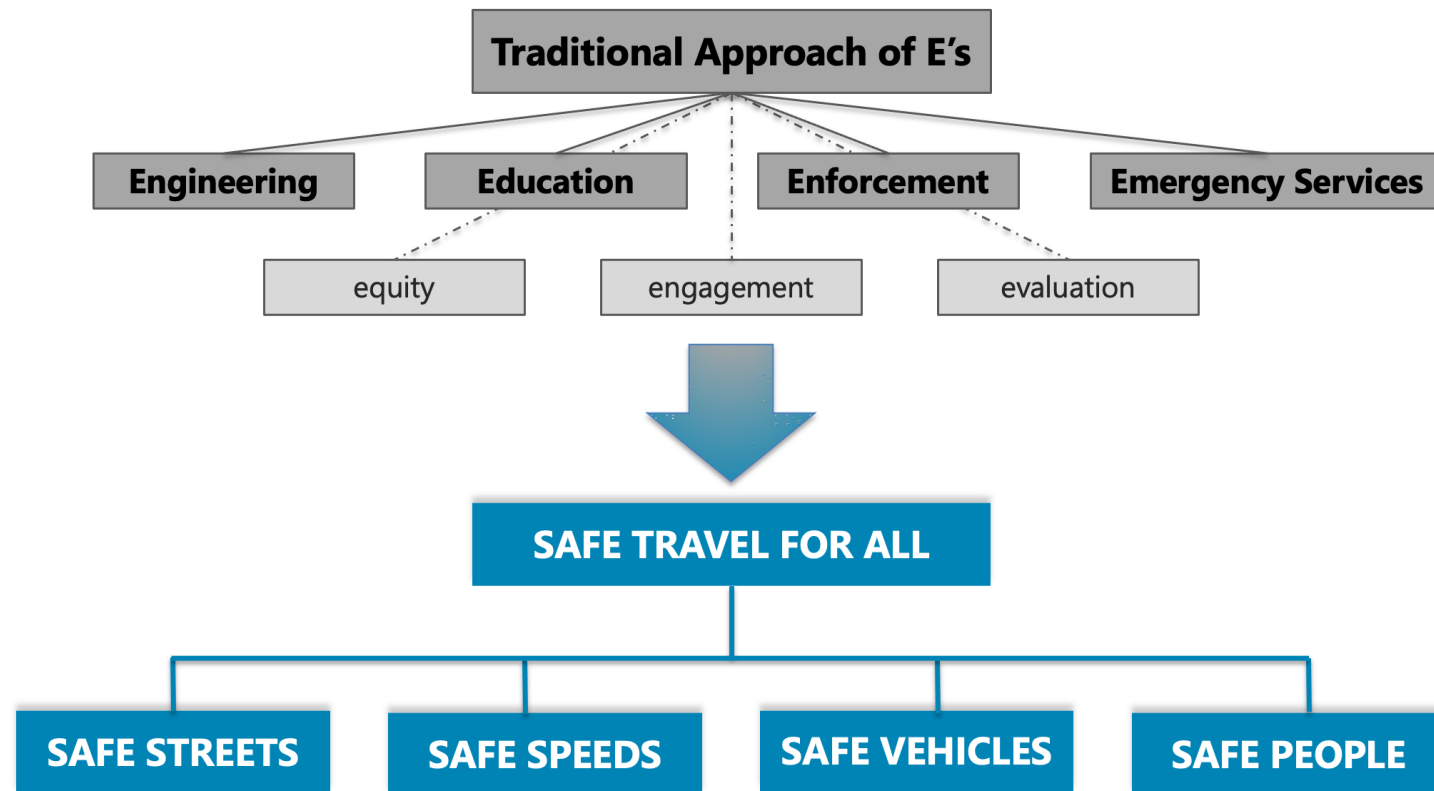
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Systems Approach to Safety

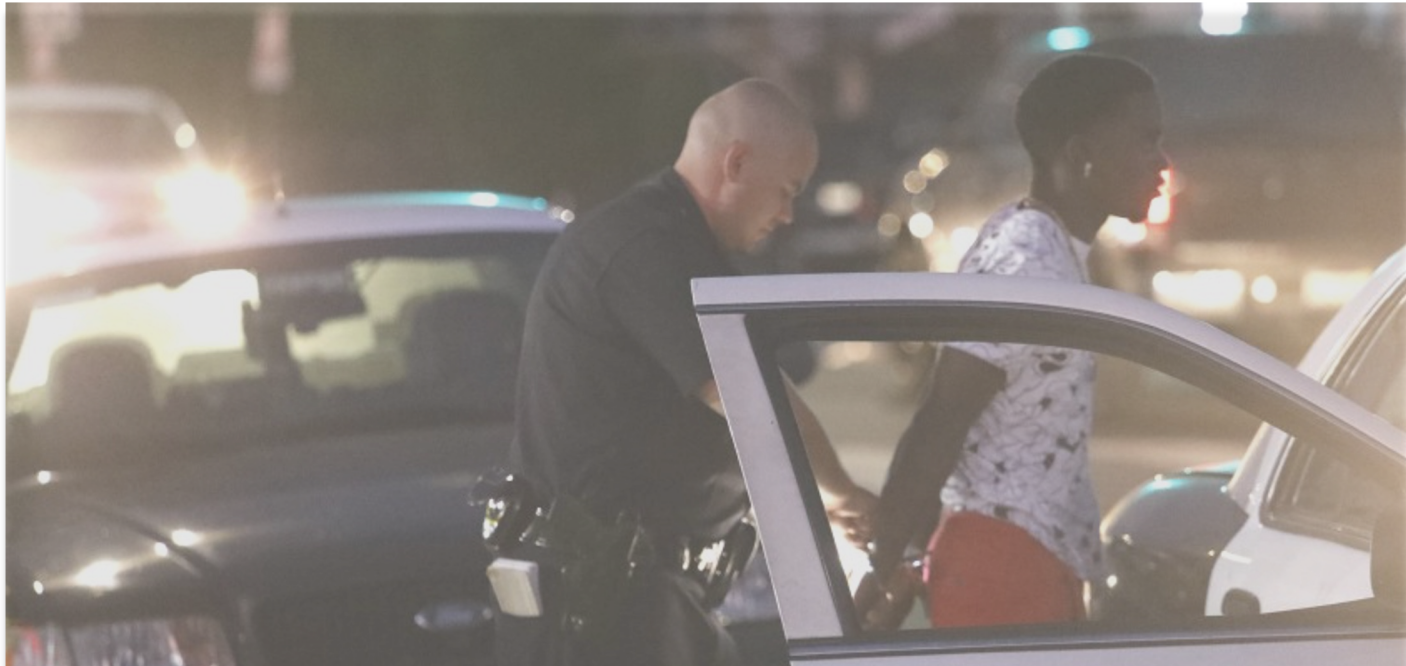


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Pivoting to a Safe Systems Approach



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In the U.S., Black drivers about 2x as likely to be pulled over & about 4x as likely to be searched by police.

Source: The Stanford Open Policing Project
Photo: Genaro Molina / Los Angeles Times

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Daily Mail

.com

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Mother sentenced to 12 months probation for the death of her son, 4, in hit-and-run while they were jaywalking

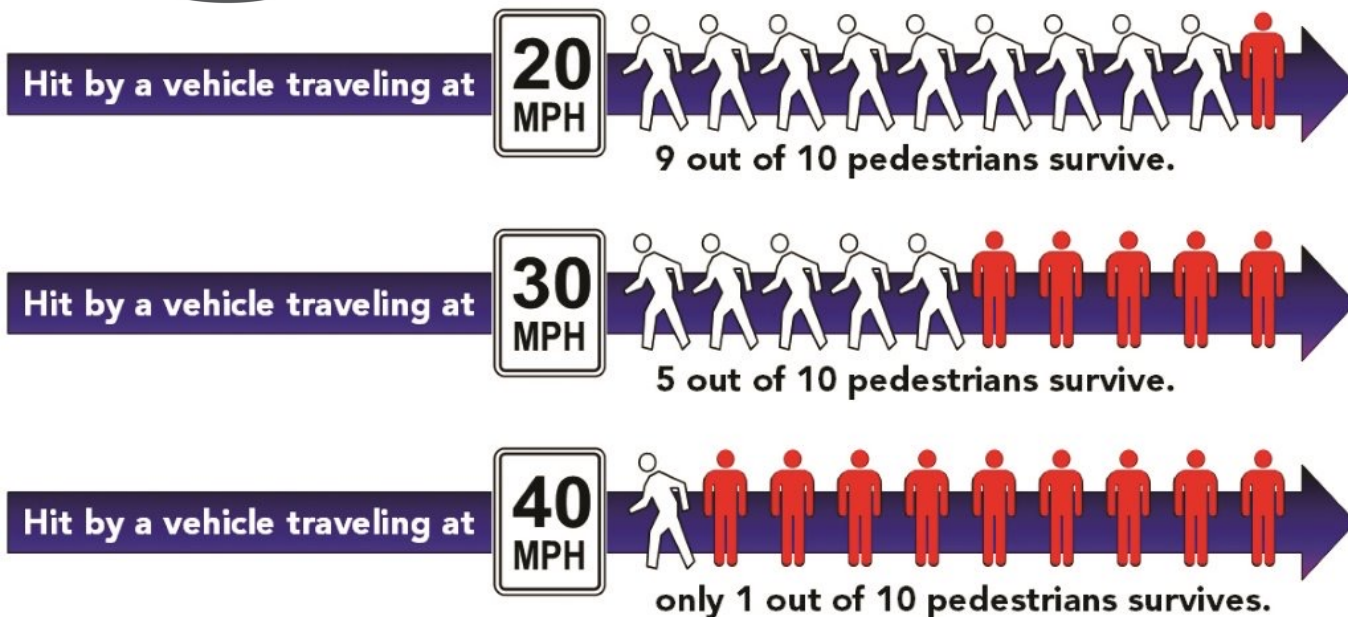
By [FIONA ROBERTS](#)

UPDATED: 12:33 EDT, 26 July 2011



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Managing Speed for Safety



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Building Complete Streets



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We Know How to Fix Deadly Streets



Image: Transportation for America, Stephen Lee Davis

In U.S., locations where people most likely to be hit & killed while walking:

- 97% had 3+ lanes
- 70% forced walkers to cross 5+ lanes to reach the other side
- 75% had speed limits higher than 30mph

— *Journal of Transport and Land Use*, 2021

Designing Complete Streets: Macon, GA



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Designing Complete Streets: Fremont, CA



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Managing Speed for Safety: Charlotte, NC



SAFER STREETS FOR CHARLOTTE

As a community, it's our responsibility to eliminate traffic deaths and serious injuries for all who share Charlotte streets by 2030.

- Vision Zero Commitment

**Get ready for lower speed limits, more speed humps
and more stop signs in Charlotte**

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Managing Speed for Safety: Denver, CO

DENVER VISION ZERO ACTION PLAN



Denver City Council votes to lower residential speed limits from 25 to 20 mph





**U.S. Department
of Transportation**

National Roadway Safety Strategy

United States Department of Transportation | January 2022

VISION 4 FUTURE NETWORK



VISION 4 ZERO NETWORK

“

Today we commit that our goal is this: Zero. ***Our goal is zero deaths***; a country where, one day, nobody has to say goodbye to a loved one because of a traffic crash.

*Pete Buttigieg, U.S. Secretary of Transportation,
on National Roadway Safety Strategy release,
January 27, 2022*

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Policy Commitment Backed up by \$\$

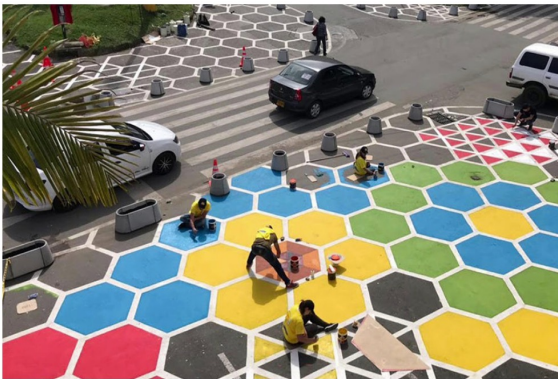
Ideas for leveraging **Safe Streets & Roads for All Grants** (SS4A)

It's time to go Big & Bold for Vision Zero

GET STARTED ▾

\$6 Billion/year ->
Locals, regions &
tribes
to advance Vision Zero
planning &
implementation to
reduce crashes and
fatalities, especially for
people walking &
biking.

Quick-build Strategies



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What role will you play in this shift?



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ZERO ^{IS} _{ES} MORE MÁS 零更多 ししょうしゃゼロ 제로는 더 많다
ANG WALA AY MAS MARAMI BIRTHDAYS CUMPLEAÑOS 생일
学习 LEARNING 学び APRENDIZAJE 배움 WONDER ASOMBRO
CELEBRATIONS 庆祝活动 MGA PAGDIRIWANG 幸せ HAPPINESS
MORE MÁS 更多 もっと 더 LIFE VIDA

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