



Move Utah

ACTIVE, HEALTHY, CONNECTED COMMUNITIES

Get the Pedal off the Metal: How to Protect
Vulnerable Users through a Safe Systems
Approach

GOLD LEVEL PARTNERS



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SUMMIT FRIENDS



LOUIS ALLORO
CHAMPION OF CHANGE



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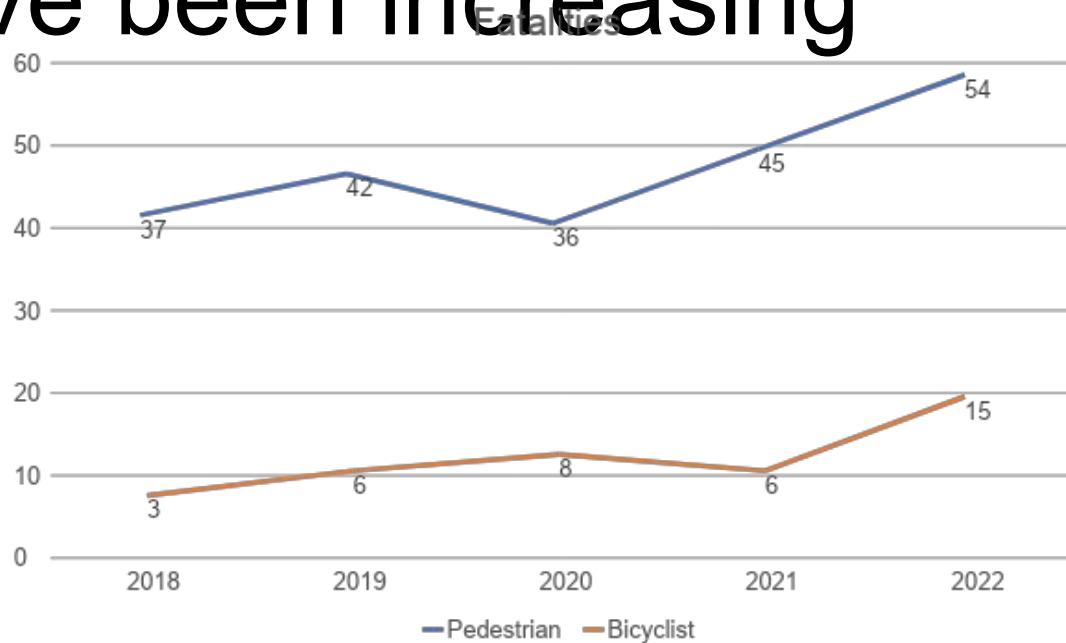


Travis Evans
UDOT



Safe Systems – What does it mean?

Pedestrian and bicyclist fatalities have been increasing



The national vehicle fleet is getting bigger and heavier

What is the most popular vehicle in America?

1. Ford F-Series: 653,957 units - 2022

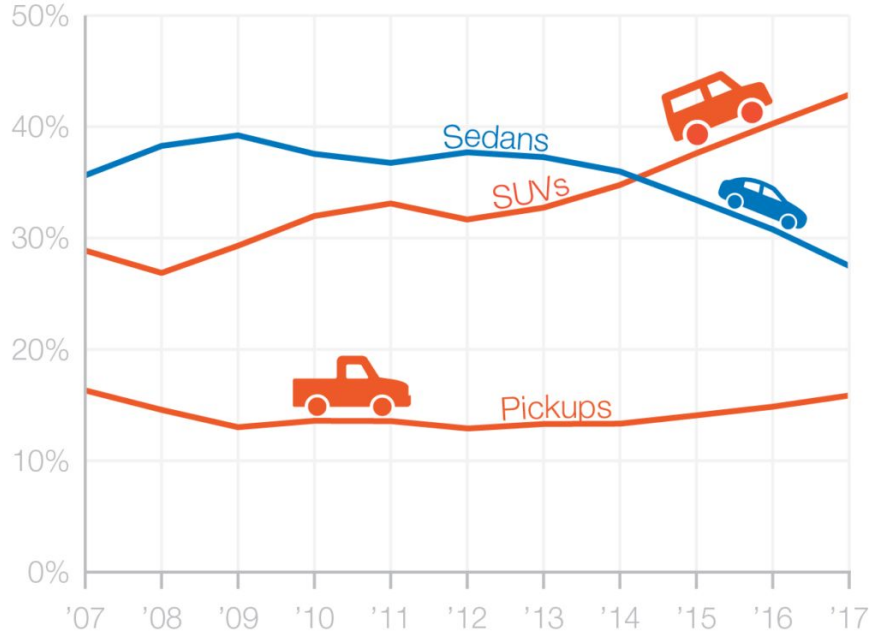


What is the most popular vehicle in America?

2022

1. Ford F-Series
2. Chevy Silverado
3. Ram Pickup
4. Toyota RAV4
5. Toyota Camry
6. Tesla Model Y
7. GMC Sierra
8. Honda CR-V
9. Toyota Tacoma
10. Jeep Grand Cherokee

What is the most popular vehicle in America?



Were also going electric.

2023 Ford
F150



4000 - 5740 lbs.

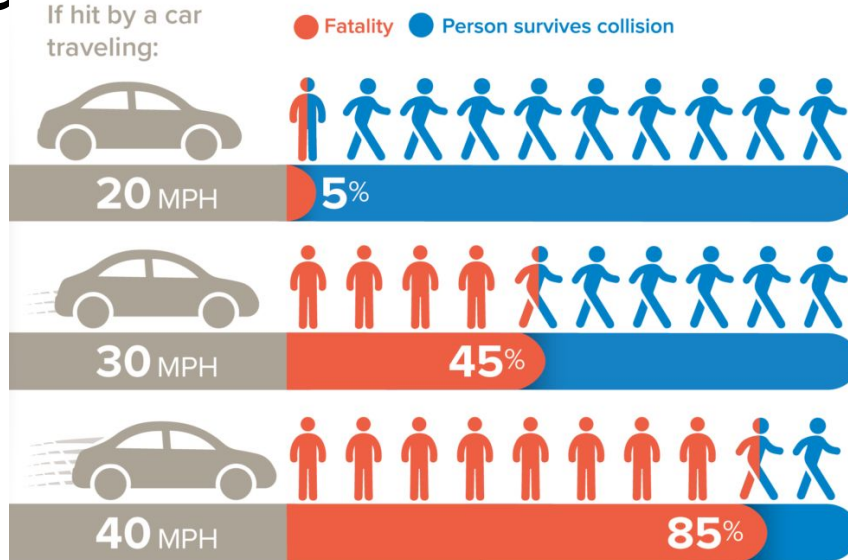
2023 Ford F150 -
Lightning



6015 – 6893 lbs

Pedestrian Survivability

1995 Data



National Traffic Safety Board (2017) Reducing Speeding-Related Crashes Involving Passenger Vehicles.
Available from: <https://www.nts.gov/safety/safety-studies/Documents/SS1701.pdf>

Safe Systems Approach



Safe Systems Approach

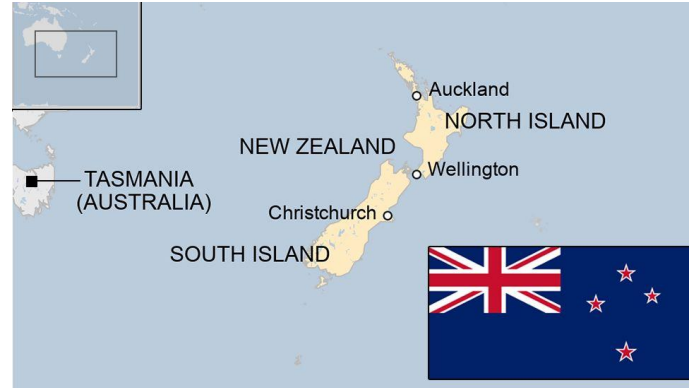


Vision Zero



Sustainable Safety

Safe Systems Approach



Okay... But what is it?



Safe Systems Approach

“The Safe System Approach starts with a mindset that it is unacceptable to allow deaths and serious injuries to occur on the roads. - FHWA”



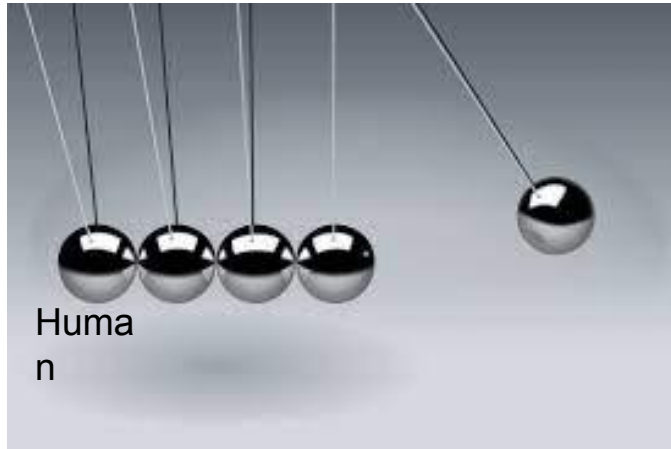
Safe Systems Approach

Road users are human beings and will inevitably make mistakes.



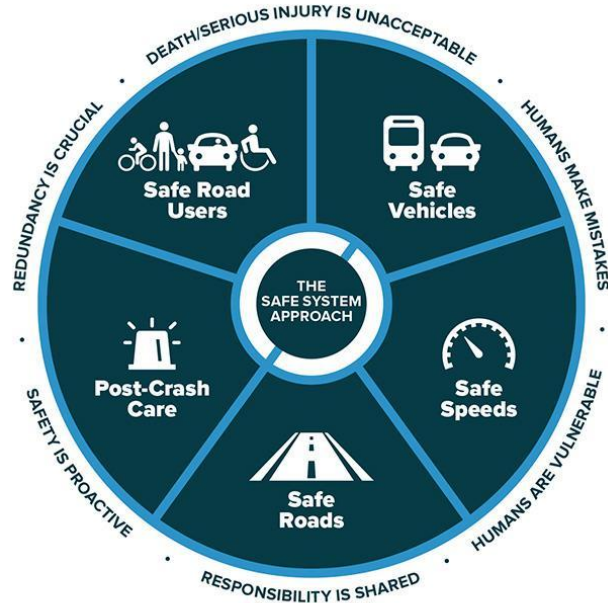
Safe Systems Approach

Reduce kinetic energy



Safe Systems Approach

Core Principles



Source: FHWA.

Safe Systems Approach

Traffic Circles/Roundabouts



How is Utah applying the Safe Systems approach to Active Transportation?



Safe Systems Approach

- Reduction of speed limits/Context Classification
- Roadway design standards
- Improved options to get out of your car (Transit and Trails Program)
- Research
- Vulnerable Road User Assessment