So Unsafe, It Seems Safe
Improving Child Pedestrian Safety Analyses with Latent Demand

Introduction
When we look at safety, we typically look for objective indicators such as crashes, injuries, or fatalities.

High Injury Network
Denver Vision Zero

High Crash Corridors & Intersections
Denver Regional Council of Governments

However, are there areas that are so unsafe, they suppress all walking trips, and therefore there are no crashes, injuries, or fatalities?

Goals
1) Which factors inhibit walking?
2) Deduce number of suppressed trips to determine safety.

Methods
In Denver, what role does traffic safety play in the decision to walk to school?

Do We Have An Issue?
Denver SRTS Surveys

National Pedestrian Fatalities

Implications
Results will be translated into a mode choice model. We will then be able to take the difference between walking levels for the ideal scenario and actual walking levels. This number of suppressed trips will be an indicator of how safe an area is. The goal is to create a new map: one that uses latent trips as a safety indicator.