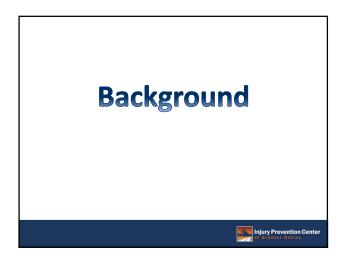


Give Kids a Boost (GKB): 4 Years of Success in Increasing Booster Seat Use among School-age Children Lifesavers National Conference on Highway Safety Priorities April 4, 2016 Long Beach, CA



### **The Facts**

- Car crashes are the second leading cause of death and leading cause of injury death for children 5-9 years of age.<sup>1</sup>
- Booster seats reduce the risk of serious injury in motor vehicle crashes by 45% for children 4-8 years of age as compared to seat belt use alone.<sup>2</sup>
- Texas Law: All children less than 8 years old, unless 4'9" tall, must use a child safety seat every time they ride in a motor vehicle.
- 2013 estimates of booster seat use in Texas<sup>3</sup> (for children 5-8 years old):
  - 9% were correctly restrained in a booster seat
    53% were completely

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unrestrained

## **Project Overview**



• One-year project implemented in 2 project schools per year for 4 consecutive fiscal years (Oct 2011 – Sept 2015)

 2-4 comparison schools with similar demographics did not receive the intervention

- Goal → Increase booster seat use of children 4-7 years of age
- Funded by one-year grants through the Texas Department of Transportation (TxDOT)

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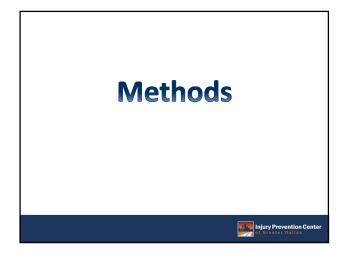
## **Selection of Project Schools**

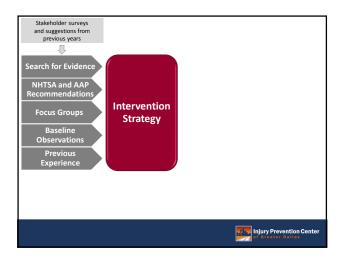
1) Economicallydisadvantaged



- 2) Emphasis on minority populations
- Supportive staff and active parents/parent groups

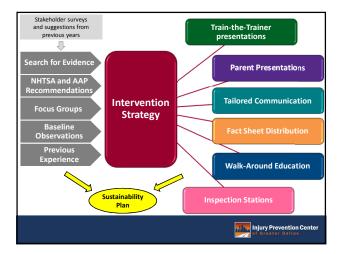




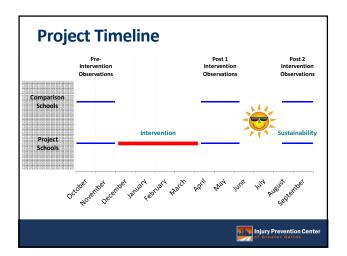










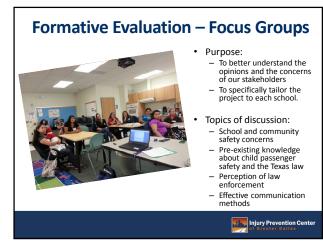




## **Evaluation Plan**

- Formative  $\rightarrow$  Focus groups
- Process → Ongoing feedback and stakeholder surveys
- Impact → Observational surveys

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#### Why are parents not restraining their kids in a booster seat every time they are in a motor vehicle?

- Lack of knowledge
- Lack of financial resources
- "It won't happen to me" mentality
- "We're just going to the store around the corner!"



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### **Process Evaluation**

- Program is continually being monitored and assessed.
  - Biweekly planning meetings
  - Stakeholder feedback
- Stakeholder survey at end of project
  - Successes and challenges discussed



#### **Impact Evaluation - Observations** Standardized Form - Child's estimated age/race/gender - Seating position and vehicle type Restraint type • 2 project and 2-4 comparison schools - During morning drop-off (same time & location for each school) - Strategic location: vehicles are slow-moving - Analyzed data for children 4-7 years of age

Conducted an average of 3,700 per year and a total of almost 15,000 observations.

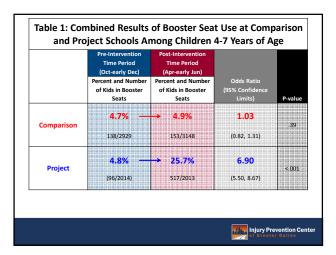


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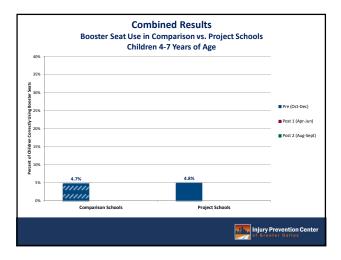


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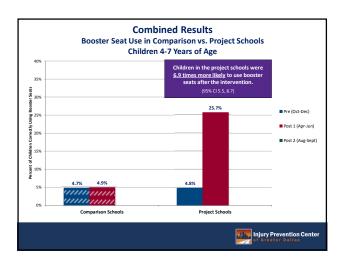




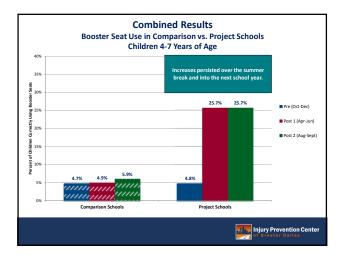




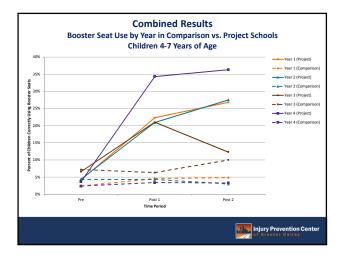


















### Conclusions

- The program has been effective in increasing booster seat use for children ages 4-7 in varied school settings among diverse, economically-disadvantaged populations.
- These increases persisted into the following school year when a majority of the students returned.
- Despite project success, there is still more work to do.
- The *GKB* model is a sustainable strategy that may be effective in producing long-term increases in booster seat use among school-age children in similar settings across the country.

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