

OUTLINE

- Public Health
- Burden
- Risk & protective factors
- Best practices
- Organizations
- JCDHE
- Safe Kids
- Charlie's House

- Activities
- Development
- Implementation
- Review
- Reflection
- Challenges
- Knowledge gained
- Opportunities





CHILDHOOD UNINTENTIONAL INJURY: U.S.

- #1 cause of death and disability
- Greater than mortality for all diseases combined
- 42% of all YPLL 2000-2009
- Annually:
- >9000 deaths
- 20 million need medical care or restricted activity
- >9 million seen in ER
- 200,000 hospitalized
- >\$300 billion U.S.

• Effects:

- Child: from pain to functional limitation to permanent disability; psychiatric problems; missed school
- Caregivers: lost productivity; psychiatric & social problems; costs of medical care



LEADING CAUSES OF MORTALITY

Rank	Age <1	Ages 1-4	Ages 5-9	Ages 10-14	Ages 15-19
1	Suffocation	Drowning	Motor Vehicle (MV) Traffic	MV Traffic	MV Traffic
	907 (77%)	450 (31%)	378 (49%)	491 (68%)	3,242 (67%)
2	MV Traffic	MV Traffic	Drowning	- Transportation Other	Poisoning
	91 (8%)	363 (25%)	119 (15%)	117 (15%)	715 (15%)
3	Drowning	Fire/Burns	Fire/Burns	Drowning	Drowning
	45 (4%)	169 (12%)	88 (11%)	90 (10%)	279 (6%)
4	Fire/Burns	Transportation - Other	Transportation - Other	Fire/Burns	Transportation - Other
	25 (2%)	147 (10%)	68 (9%)	53 (6%)	203 (4%)
5	Poisoning	Suffocation	Suffocation	Suffocation	Fall
	22 (2%)	125 (9%)	26 (3%)	41 (5%)	58 (1%)

LEADING CAUSES OF MORBIDITY

Rank	Age <1	Ages 1-4	Ages 5-9	Ages 10-14	Ages 15-19
1	Fall 147,280 (59%)	Fall 955,381 (45%)	Fall 631,381 (37%)	Fall 615,145 (29%)	Struck by/against 617,631 (24%)
2	Struck by/against 31,360 (13%)	Struck by/against 372,402 (18%)	Struck by/against 406,045 (24%)	Struck by/against 574,267 (27%)	Fall 468,967 (18%)
3	Bite/sting 10,922 (4%)	Bite/sting 137,352 (7%)	Cut/pierce 104,940 (6%)	Overexertion 276,076 (13%)	Overexertion 372,035 (14%)
4	Foreign Body 8,860 (4%)	Foreign Body 126,060 (6%)	Bite/sting 92,590 (5%)	Cut/pierce 118,440 (6%)	Motor Vehicle Occupant 341,257 (13%)
5	Fire/Burns 7,846 (3%)	Cut/pierce 84,095 (4%)	Pedal Cyclist 84,590 (5%)	Pedal Cyclist 118,095 (6%)	Cut/pierce 184,972 (7%)

CHILDHOOD UNINTENTIONAL INJURY: LOCAL

- Kansas childhood unintentional injury mortality rate is higher than the US rate
- Rate is higher in >1, 1-4, 5-9, and 10-14 year olds
- Rate is higher for almost every type of injury

- 19% of Kansas population lives in Johnson County
- 25.5% of residents are children
- Unintentional injury is the leading cause of death for Johnson County children over 1 year of age



RISK AND PROTECTIVE FACTORS

- Gender
- Racial/Ethnic background
- Socioeconomic factors
- Age

Johnson County

- Less diverse than KS (86% white)
- Median income > KS, US
- Education levels > KS, US
- 17% in poverty
- 17% in single parent households
- Of children 0-17, 8% poor and 20% low income

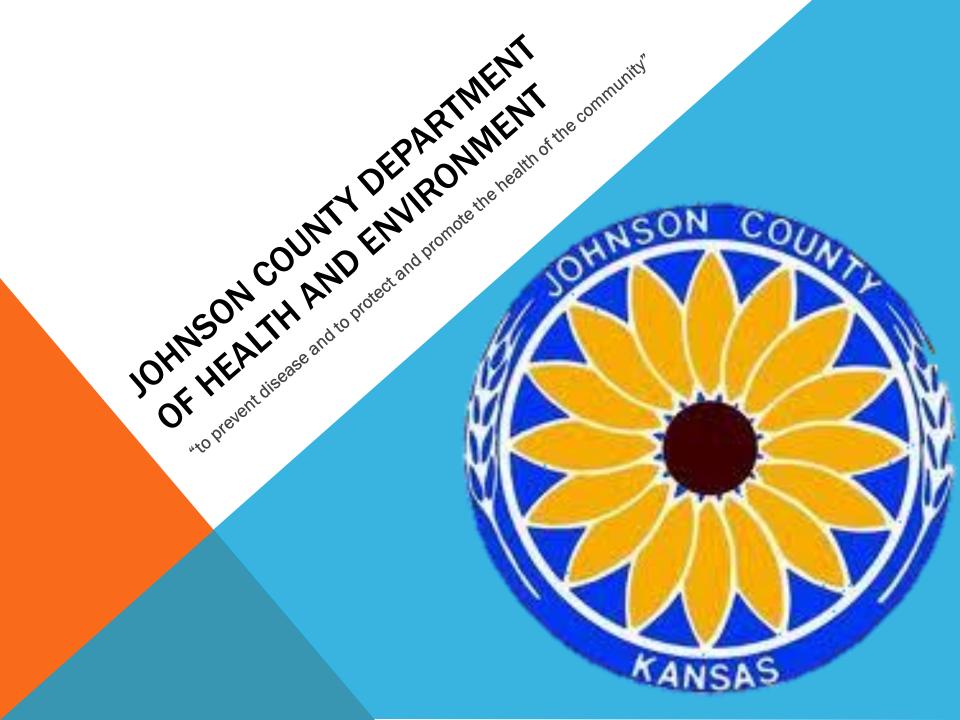
PREVENTION: BEST PRACTICES

Comprehensive strategies combining education, environmental &/or product modification, and legislation Examples:

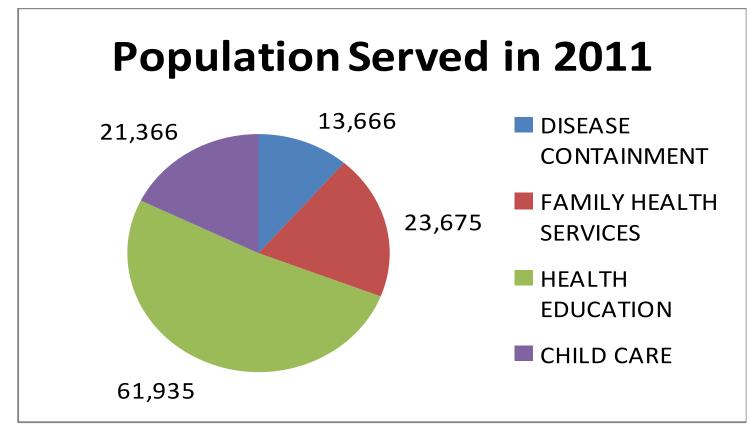
- Child passenger safety seats
- Bike helmets
- Smoke alarms
- Window bars
- Playground standards







HEALTH EDUCATION DIVISION







ACTIVITIES

- Child Passenger Safety Seat Check-Up events
- Child Passenger Safety technician training
- Bike Rodeos/Bike helmet fittings
- Information and events on:
 - Home Safety topics
 - Sports Safety topics
- National Safe Kids Week events
- Community injury prevention education for professionals, parents, and caregivers
- Information and contact points for media

charlie's house

to prevent injuries to children in and around the home'

CHARLIE'S HOUSE

BACKGROUND & ACTIVITIES

- Safety demonstration house
 - Room-by-room safety tips
 - Use of safety devices
 - Examples of home hazards
- Provision of furniture straps
- Development of educational materials for parents



EDUCATION COMMITTEE

MEMBERS

- Pediatricians
- Pediatric nurses
- Representatives from Safe Kids and other area non-profits
- Fire and police department members
- Area parents

ACTIVITIES

- Monthly meetings
- Review current CIP
 research and activities
- Assess educational needs of Charlie's House
- Collaborate on upcoming events
- CIP presentations to community groups



DEVELOPMENT

- Projects overseen by Katie Schatte
 - JDCHE Health Educator
 - Lead SKJC coordinator
 - Charlie's House Education Committee chairperson
- Priorities determined by Education Committee
 - Standardized, modifiable educational presentations on home safety for use with lay audiences
 - Catalog of CIP best practices and free available materials
 - Additional educational documents to supplement presentations and for media dissemination
- Goals
 - Raise public awareness about unintentional childhood injury prevalence, risk factors, and potential hazards
 - Highlight opportunities and best practices for CIP

HEALTH EDUCATION



LITERATURE REVIEW

- Review and documentation of existing content
 - JDCHE and SKJC materials
 - Online materials from national organizations
 - Consultation with local content experts
 - Online journal articles related to CIP statistics, best practices, and evidencebased interventions



ANALYSIS

- Approaches of existing educational materials:
- Topical
- Sub-topical
- Geographic
- Age-based

Limitations

- Extent of injury types and variety of possible interventions
- Relevance
- Generalizability
- Presence of multiple children

PROJECT FRAMEWORK

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- Season-specific
 - Winter/Holiday
 - Summer/Outdoors

AUDIENCE

Caregivers

- Able to make changes in home environment
- Emphasis on adult supervision

CONTENT

- Age range
 - 1-14 years

- Excluded topics
 - Safe Sleep
 - Child Passenger Safety

REVIEW OF PRODUCTS

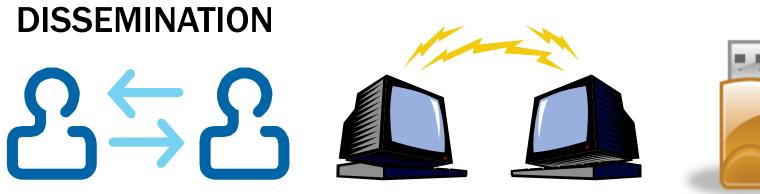
Reviewers

- Agency mentor
- Charlie's House education committee

Reviewed

Style and content

- Impact
- Accuracy
- Thoroughness



- Project materials & resource library organized electronically
- Disseminated through JCDHE's Health Education division
- Copied onto thumb drives for Charlie's House health educators



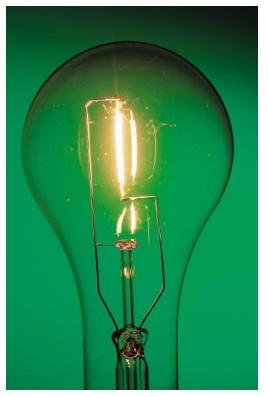


CHALLENGES

- Gaps in data collection
 Local injury surveillance
- Direction of Charlie's House
 - Role of education in CIP
 - Home injury interventions
 - Home injury hazards
 - National vs. local

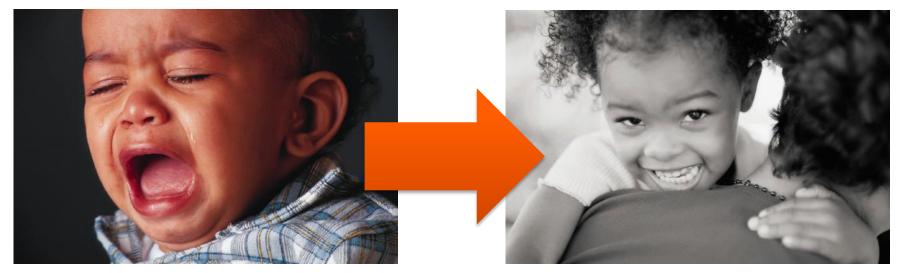


KNOWLEDGE



- Burden of unintentional childhood injury
- Preventability of unintentional injury
- Worldwide relevance of CIP
- Personal priorities & skills (or lack thereof)
- New interests and opportunities

OPPORTUNITIES



Evidence + Theory + Communication = Successful Interventions



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QUESTIONS?

