Using Outcome Data to Create, Sustain, and Expand a Community-Based Injury Prevention Program

Karla Klas, BSN, RN, CCRP
Managing Director, Injury Prevention & Community Outreach
FORMATIVE EVALUATION
17% increase in pediatric burn admissions

20 years ago!
Our Data + Other Data Sources = ?

- No intervention or only punishment = Repeat YFS
- > 50% history abuse or maltreatment
- Scare tactics ineffective and can cause harm
PROCESS EVALUATION
Goal: Evidence-Based Best Practice YFSPI!

“Straight Talk” Est., 1999

Multi-Agency COLLABORATION!
Program Evaluation Goal:

↓ YFS and Behavior Change (not just #’s, #, 👍 and 😊!)

Pre-Program Assessment:
- PMH, # of fires, YFS incident, etc.

Immediate Post-Survey:
- 1 day group session
- Satisfaction, improvements, understanding, etc.

4 – 6 Week Follow-up:
- Email(s), call(s), letter(s), contact referring agency

6 Month Follow-up:
- Was 1 year

Program Feedback!

Tracking YFS Recidivism**
Why Tracking Our Data is Valuable (Even Simple Process Evaluation!)

- 20 yrs: 2,200 & 119 classes
- Survey: Rated 5-star “Outstanding”
- Only 25% fire dept referrals…
IMPACT and OUTCOME EVALUATION
Data is Important Valuable!

= YFS Data!

Metro YFires
Youth Firesetting Information Repository & Evaluation System

Michigan NFIRS
Fire Causes - Fires 2006-2016
Period: 1/1/06 to 12/31/16
# Fire Loss

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<td>6,237,655</td>
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It Works, Let’s Keep It!

- **2-Year Prospective Study:**
  - Straight Talk: 1/132 (0.8%)
  - No Straight Talk: 37/102 (36%)

- **Survey & Collage: New insights into YFS & safety**

- **Peds burn admits ↓ 13%**

- **Recidivism ongoing < 1%**
Ongoing Evaluation Drives Changes.
What We Are Seeing...If We Look and Listen

School = 100%
Ongoing Evaluation Drives Changes

- ~50% U.S. arson arrests youth <18 yo
- Felony and domestic terrorism charges
- School-to-prison pipeline

Michigan news

Parents of teen who set school ablaze billed; $715,000 tab stirs liability questions

Student accused of bottle bomb prank pleads not guilty
High school senior charged with three felonies in connection with explosions at school

FUTURE

Do Burn Centers Provide Juvenile Firesetter Intervention?

Karla S. Ahrns-Klas, BSN, RN, Wendell W. Ald MD, EACS, Mark R. Hemmila, MD, FACS, Grant A. Land, MD, PhD
(J Burn Care Res 2012; 33)
Ongoing Challenges

- YFS is minimized and ignored
- High turn-over rate agency staff
- ↓ Referrals and ↑ Close-outs
- Youth lost to follow-up
- ACEs, SEL, and Resiliency
RECOMMENDATIONS
Evaluation and Tracking Our Data is (In-)Valuable!

+ Evaluation/ Outcomes!

You Make a Difference

Karla Klas, BSN, RN, CCRP
ksklas@med.umich.edu