



Model Performance in Community Risk Reduction

SYMPOSIUM 2018

CLEAR Team: Response and Prevention of Fatal Fires

Samantha Quizon

South Carolina State Fire



OBJECTIVES

Prologue



 Vision 20/20



MODEL PERFORMANCE IN COMMUNITY RISK REDUCTION

By the Numbers

- Annual average: 85 victims, 72 fires
 - 2017- 102 victims, 86 fires
- 1 out of 4 victims over the age of 70
- 85% fires in homes
- Top known probable causes:
 - Smoking, cooking, electrical, heating
- 84% of victims had human factors preventing notification or escape



CLEAR Team

Community Loss Education and Response

- Established 2012
- Research statewide to reduce per capita fire death rate



CLEAR Team Objectives

- Understand our fatal fire problem
- Increase reporting of fire deaths
- Reduce number of fire deaths
- Meet resource needs of fire departments and communities
- Create evidence-based messaging

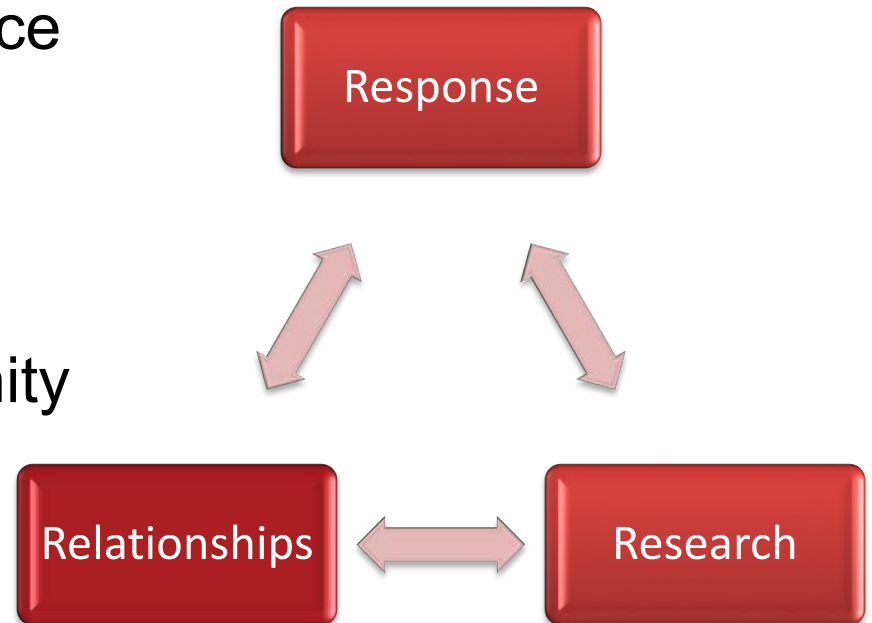




FORMATIVE EVALUATION

Planning

- On-scene, statewide presence
- Reliable data capture
 - Data collector
- Data → Education
- Fire department → Community



Planning

- Past
 - 3 researchers and data analyst
 - Collect numbers and basic demographics
 - Local fire department is reporter
- Present
 - 29 researchers, 6 duty chiefs, and data analyst
 - On-scene promoter and presence
 - Local fire department is partner in network





PROCESS EVALUATION

Implementation

1. Decide what data is important
2. Increase response efforts
3. Grow our team
4. Analyze research
5. Communicate, publish, and market



IMPACT EVALUATION

Short-Term Results

- More fire deaths reported
- Fewer causes “undetermined”
- Identify high-risk areas for fire deaths
- Better fire department relationships
- Creation of core messaging to consistently address most common issues





OUTCOME EVALUATION

Long-Term Evaluation

- Smoke alarm blitzes in affected communities
- Evidence-based messaging
 - Targeting high-risk populations
- Partnerships for resources
 - Fire Safe SC
 - Vision 20/20





RECOMMENDATIONS

Recommendations

- In-depth data collected on every fatality
- On-scene research/relationships
- Analyze data for immediate needs
- Share information with team, partners, public



Contact Information



Samantha Quizon

Statistical Research Analyst

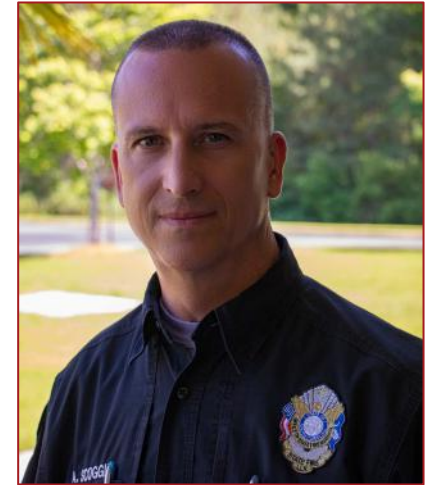
(803) 896-1250



Josh Fulbright

CRR Section Chief

(803) 896-9895



Anthony Scoggin

Curriculum Coordinator

(803) 896-5454

For copies of our data collector and 2017
CLEAR Team report, please see us or call.

