



Vision 20/20



Model Performance in Community Risk Reduction

SYMPOSIUM 2018

Teaching and Technology: A Recipe for Fire Safe Cooking

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City of Worcester Fire Department

Problem

- 2014: 559 unattended cooking fires
- 2015: 578 increase of 3.3% city wide

- 138 of reported unattended cooking fires were in 4 high rise WHA buildings (759 units/862 residents)

Overall Goal/Vision

- Build a robust partnership between the WFD and WHA
- Target the highest risk first



- Install TLC (Temperature Limiting Control)
100% of target units



- Develop a template for replication



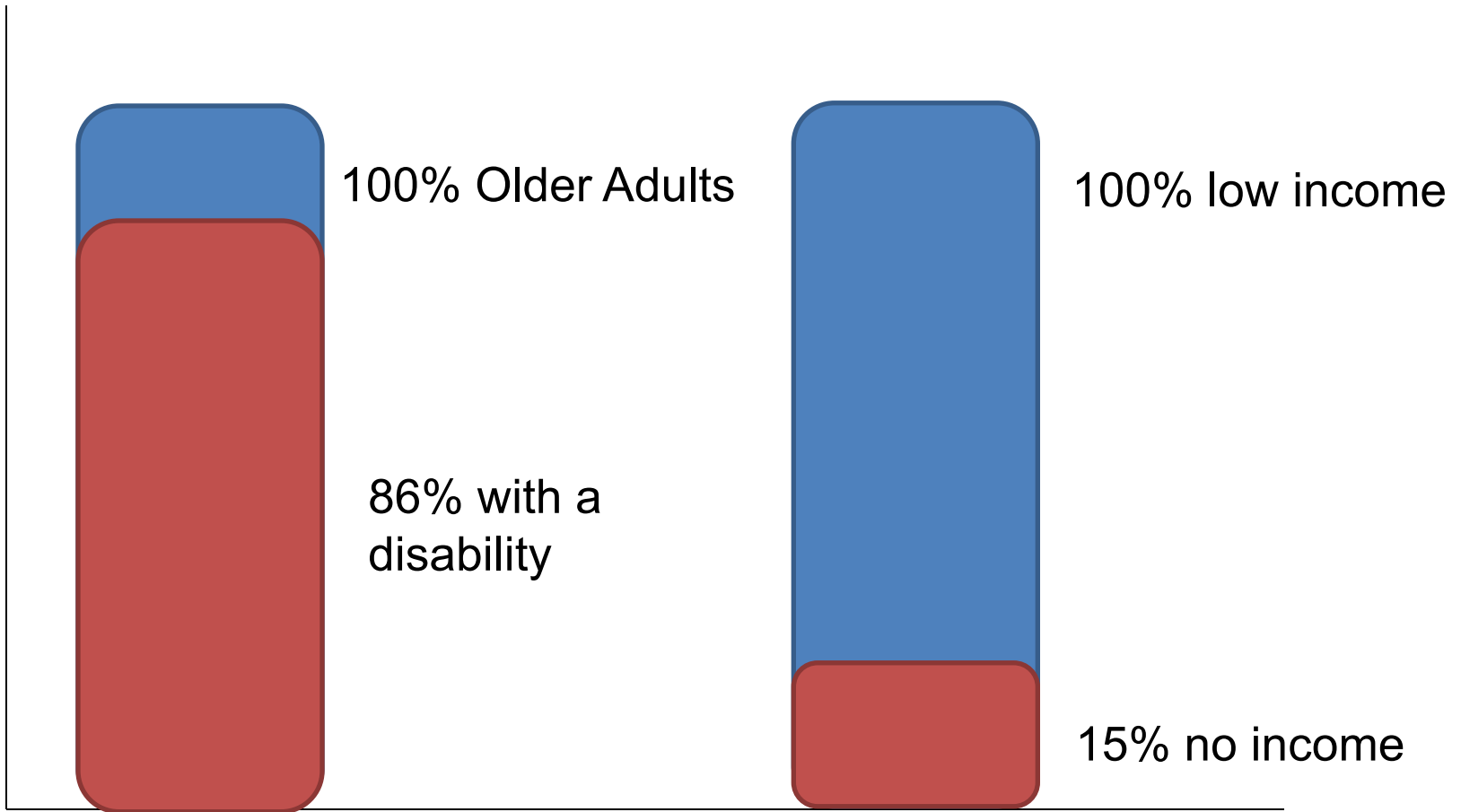
FORMATIVE EVALUATION

24% (138) unattended cooking fires
occurred in target buildings

4 WHA high rise buildings (759 units)

862 Residents

Risk Analysis





PROCESS EVALUATION



MODEL PERFORMANCE IN COMMUNITY RISK REDUCTION



IMPACT EVALUATION



3276 burners

819 units (60 from amendment)

100% in 4 target high rises

100% residents educated





OUTCOME EVALUATION

Early Results

2015

- 138 cooking fires
- Over \$250,000 in property loss

January 2017 to present

- 0 stove top fires
- \$ 0 property loss

Cost Analysis

Project cost

- FY15 - \$181,787.00
- FY16 - \$184,218.00
- \$179,863.00
(if awarded)

Per person cost

- \$211.00 per person
- \$162.00 per person
- \$61.13 per person



RECOMMENDATIONS

Solutions

- 100% Engineered
- 100% In home Education
- 0 Stove top fires
- \$0 property loss

- Promote proactive engineered solutions for electric ranges
- Create strong partnerships for accountability, expectations and long-term success
- Collect data and seek funding together
- Be prepared to address questions related to slightly increased cooking times

Resource

- <https://www.pioneeringtech.com/resources/videos/>
- NFPA Remembering When/Fire and fall safety



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