

Evaluation of Fire Safety Measures for Healthy Homes

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The objective of this project is to structure and build a decision model for the evaluation of fire safety measures for residences that will:

- identify causes of residential fire losses;
- identify deficiencies that correlate with other home hazards, diseases and safety issues;
- develop metrics for prioritizing residential fire safety measures; and
- structure the final decision using available software.

This model will offer a method for evaluating and ranking fire safety measures so that HUD can prioritize fire safety remedies by cost and potential effectiveness. The ultimate goal of this work is to identify fire safety technologies and other measures that have the most potential for saving lives and reducing injuries in residential settings, consistent with HUD's goal of reducing home fire losses by 30 percent. The project will emphasize integrating fire safety remedies into a multi-hazard approach to healthy homes, with a particular focus on hazards that pose risks to children in existing urban homes.