Museums and Firefighters
Collaborating to Keep Children and Families Safe

InterActivity 2023
New Orleans

All data is accurate at the time of presentation (27 April 2023) and may be subject to change.
Introductions

EdVenture Children’s Museum Columbia, SC

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Embracing our History – Shaping the Future: EdVenture – South Carolina State Fire Partnership

Move from Prevention to Process

Fire Prevention vs Community Risk Reduction

Fire is Hotter and Faster

Community Involvement Required
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Fire Response

• 5.12 Million Citizens
• 17,000 Firefighters
  ➢ 70% Volunteer
• 560,000 Calls for Service
  ➢ 4% Fire
  ➢ 60% Medical

Fire Fatalities

• Average 94 Annually (2018-2022)
  ➢ Consistent at 94 (2017-2021)
  ➢ Less per capita annually
  ➢ As of Today - ## deaths in 2023
• 85% Residential
• 2/3 Victims > 50 years old
• 88% Human Factors
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Darker shades represent areas of higher overall risk.
HOME FURNISHING COMPARISON

NATURAL

SYNTHETIC
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Focus on Home Safety Visits

**CORE FOUR**

Practicing these core safety messages may save your life.

1. **Right Alarm. Right Location.**
2. **Fire Drill Plans and Prep**
3. **Fire Sprinklers Save Lives**
4. **See a Problem Take Action**

*Home fire sprinklers can stop a fire in less than 1.5 minutes.*

*Take action when you see a problem. Don’t ignore safety issues.*
Smoke Alarm Availability and Blitzes

By the Numbers – As of March 2023
Over 100,000 documented smoke alarms installed in S.C. since 2014 – 2.5 million alarms nationwide

116 documented lives saved from smoke alarms installed in S.C. since 2014 – 1500 saved nationwide
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Data-Driven Decision Making

South Carolina Fire Fatality Dashboard

- Fatal Fires: 514
- Fire Deaths: 580

Multiple Victims Per Incident: 11%
Victims’ Gender: 36% Female, 64% Male
Victims’ Age: 9% Children, 25% Young Adults, 37% Middle Aged, 29% Elderly
Home Fires: 85%

Most Probable Cause of Fatal Fires:
- 27% Electrical
- 15% Heating/Plumbing
- 14% Cooking
- 11% Motor Vehicles
- 10% Cigarettes
- 8% Other Home Appliance
- 6% Other External Sources
- 5% Smoke Detectors
- 3% Arson
- 1% Other

Change the display below by selecting the dropdown menu to the right.
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Knowledge Gain leading to Behavior Change
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Joint Training Opportunities
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Annual Mutually-Beneficial Events

State of South Carolina

Governor's Proclamation

WHEREAS, fire is a serious public safety concern both locally and nationally, with homes being the locations where people are at greatest risk from fire, the State of South Carolina is committed to ensuring the safety of all people living in and visiting our state; and

WHEREAS, according to the South Carolina State Fire Marshal’s office, in 2019, home fires resulted in the lives of 62 people in South Carolina, and the Department of Public Safety and the State Fire Marshal have declared these deaths and injuries to be preventable. In 2019, home fires caused approximately $300 million in damage, and

WHEREAS, cooking is the leading cause of home fires in South Carolina, where fire departments responded to more than 65% of home fires, resulting in property and casualties loss estimated at more than $500 million dollars; and

WHEREAS, two of every five home fire deaths in the United States result from smoke inhalation. A change in the smoke alarm’s battery or cleaning the smoke alarm’s sensor can prevent home fires and save lives; and

WHEREAS, South Carolina residents should keep a fire extinguisher in their homes, keep a fire hose in their home, and keep a fire hydrant near the door; and

WHEREAS, working smoke alarms can cut the risk of dying in reported home fires in half, and residents who have planned and practiced a home fire escape plan are more prepared and will therefore be more likely to survive a fire and

WHEREAS, South Carolina’s fire responders are dedicated to reducing the occurrence of home fires and home fire injuries through prevention and education, and

WHEREAS, the annual Fire Prevention Week theme, Serve Up Fire Safety in the Kitchen, will raise awareness on the importance of safe cooking and use caution when cooking to reduce the risk of kitchen fires,

NOW, THEREFORE, I, Henry McMaster, Governor of the great State of South Carolina, do hereby proclaim October 4-10, 2020, as FIRE PREVENTION WEEK throughout the state and encourage all South Carolinians to check their listen for fire hazards and use safe cooking practices during Fire Prevention Week 2020 and to support the efforts of public safety agencies and South Carolina’s fire and emergency services.

HENRY McMAST
GOVERNOR
STATE OF SOUTH CAROLINA
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Memorandum of Understanding
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**Home Fire Escape Planning**

Alarm placement in various home types, exits, and identifying a safe meeting place

**Sounds of Fire Safety**

Smoke alarm activation versus low-battery alert

**Common Hazards**

Cooking, Smoking, Heating, and Electrical

**Sound Off with Home Fire Safety Patrol**

App, Videos, and Interactive Whiteboard
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Learn More/ QR Codes

To learn more about our presenters and their organizations, these QR codes on the last page of the booklet.

- EdVenture’s Instagram
- FEMA Fire Prevention & Safety
- Fire Safe SC Community Risk Reduction
- SC State Fire, Labor Licensing Regulation
- Sound Off Safety Patrol
- Boston Productions
Questions?

Please write your questions on the sticky notes provided. We will add the questions, as well as their answers, to the FAQ section on the InterActivity website.