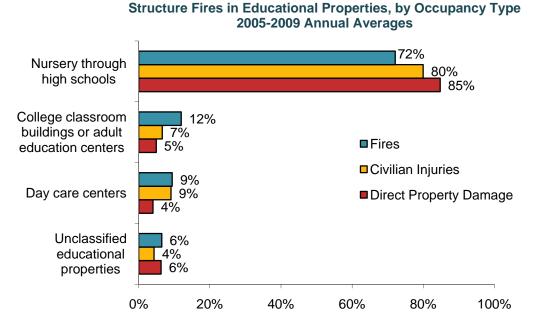




Structure Fires in Educational Properties

U.S. fire departments responded to an estimated average of **6,260** structure fires in educational properties in 2005-2009, annually. These fires caused annual averages of **85** civilian fire injuries and **\$112 million** in direct property damage.

The majority of fires and losses in educational properties were in nursery through high schools



In 2005-2009 39% of structure fires in educational properties occurred in structures with automatic suppression systems present.

- During 2005-2009, where automatic suppression equipment was present and known, 91% of systems in structure fires in these properties were sprinklers.
- Of these fires, 85% of systems operated when the fire was large enough to activate them.
- In educational properties, direct property damage per reported fire was 71% lower when wet pipe sprinklers were present, compared to fires with no automatic extinguishing equipment present

For more information about fire and life safety, please visit our website.

These estimates are derived from the U.S. Fire Administration National Fire Incident Reporting System (NFIRS) Version 5.0 and NFPA's annual fire department experience survey. Educational property includes Preschool through high schools, adult education centers, and day-care centers.

Day Care Centers

Educational Property Structure Fires by Facility Type

The following estimates are annual averages for 2005-2009

- 590 structure fires
- 8 civilian injuries
- \$4.5 million in direct property damage
- <u>Leading Causes</u>
- •Cooking equipment
- Area of Origin
- •Kitchen or cooking area
- Bathroom
- Item 1st Ignited
- •Cooking materials including food
- 9% of fires in these properties extended beyond room of origin
- Peak Times
 - Weekdays
 - 9 a.m.-Noon

Preschools through Grades 12

- **4,510** structure fires
- 68 civilian injuries
- \$95 million in direct property damage

Leading Causes

- •Half were intentionally set
- Cooking equipment
- •Playing with heat source

Area of Origin

- Lavatory
- Kitchen or cooking area

• Item 1st Ignited

- •Trash or rubbish
- •Paper (magazines, newspaper, etc.)
- 7% of fires in these properties extended beyond room of origin

• Peak Times

- Weekdays
- 9 a.m. 3 p.m.

College Classroom Buildings and Adult Ed. Centers

- 750 structure fires
- 6 civilian injuries
- \$5.5 million in direct property damage

Leading Causes

- •Cooking equipment
- Intentional

Area of Origin

- •Kitchen or cooking area
- •Lavatory or bathroom
- Laboratory

• <u>Item 1st ignited</u>

- •Cooking materials, including food
- •Rubbish, trash, or waste
- 5% of fires in these properties extended beyond the room of origin

• Peak Times

- Weekdays
- Afternoon and early evening hours

