



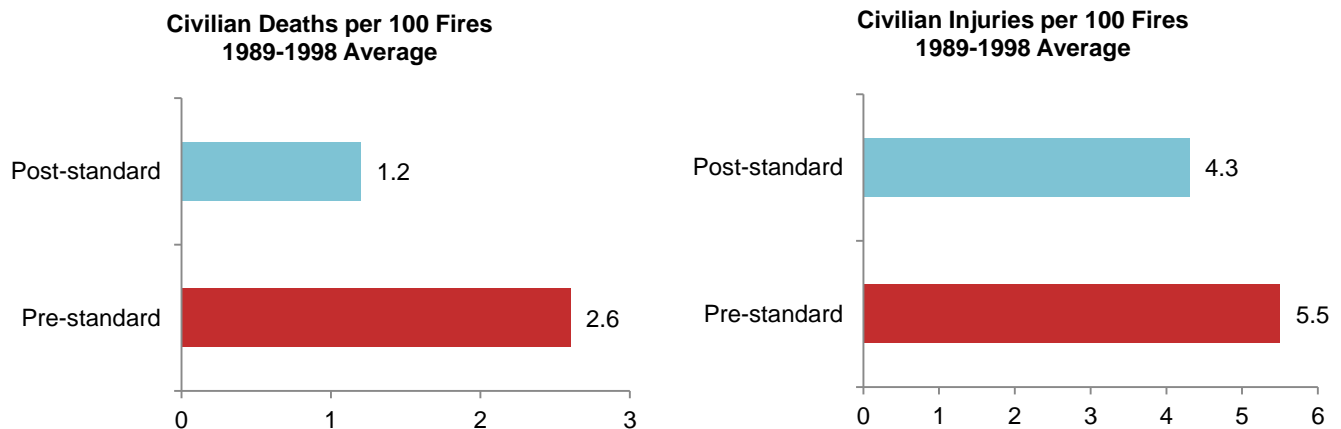
Manufactured Home Fires

In 2005-2009, 12,400 structure fires per year were reported in manufactured homes, with associated losses of:

- 234 civilian deaths,
- 453 civilian injuries, and
- \$186 million in direct damage per year.

Because of changes in the way fires are reported since 1999, the manufactured home share of certain minor fires cannot be identified, which means estimated fires are significantly under-estimated and associated injuries are somewhat under-estimated. Estimates of associated deaths and direct property damage are essentially unaffected. Also, only 2% of manufactured home fires reported in 1999 or later report year of manufacture. Therefore, some analyses cannot use statistics later than 1998 and others must use percentages and related indexes other than actual numbers

Compared to pre-HUD-standard manufactured homes (built before 1976), post-standard homes had a 54% lower rates of civilian deaths per 100 fires and a 22% lower rate of civilian injuries per 100 fires.



Manufactured homes have a 30-44% higher fire death rate per 100,000 occupied housing units than other one- or two-family homes.

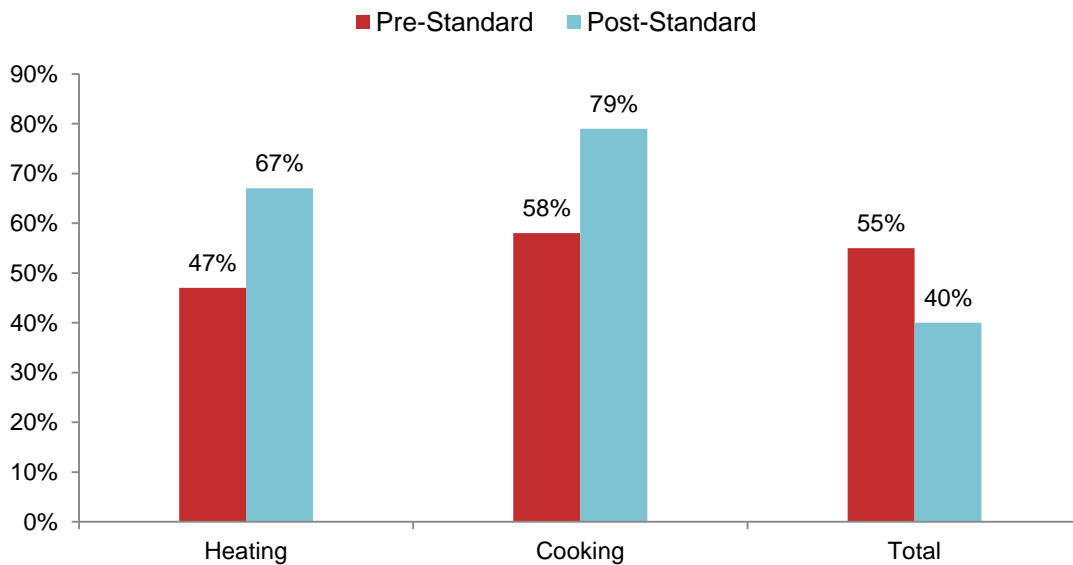
If all pre-standard manufactured homes were removed from the inventory of occupied units, it is estimated that the manufactured home fire death rate would be comparable to than the rate in other one- or two-family homes.

In 1989-1998, post-standard manufactured homes with smoke alarms had a 31% lower death rate per 100 fires than post-standard manufactured homes with no smoke alarms.

According to the *American Housing Survey*, in 2009, occupied manufactured homes were less likely (91.6% vs. 93.3%) than all occupied housing units including multi-family to have working smoke alarms. In the U.S. Consumer Product Safety Commission's 2004-2005 study of unreported fires, manufactured homes were less likely (91% vs. 97-98%) to have smoke alarms than either detached single-family homes, townhouses or row homes, or multi-family housing.

Post-standard manufactured home fires are more likely to have flame damage confined to room of origin, especially if the fires are started by heating or cooking equipment.

Percent of 1989-1998 Fires with Flame Damage Confined to Room of Origin



Fires per 1,000 occupied manufactured homes dropped sharply when the HUD standards were introduced but have not declined since then. (Risk index equals percent of fires divided by percent of occupied manufactured homes.)

Risk Index of 2005-2009 Fires per 1,000 Manufactured Homes

