Home Electrical Fires Fact Sheet

U.S. fire departments responded to an estimated average of 47,820 reported U.S. home\textsuperscript{1} structure fires involving electrical failure or malfunction in 2007-2011. These fires resulted in 455 civilian deaths, 1,518 civilian injuries and $1.48 billion in direct property damage.

Roughly half of home electrical fires involved electrical distribution or lighting equipment in 2007-2011.

Nearly half of home electrical fires involved other known types of equipment in 2007-2011.

**Leading Types of Electrical Distribution or Lighting Equipment Involved in Home Electrical Fires, 2007-2011**

\begin{figure}
\centering
\includegraphics[width=\textwidth]{LeadingTypes.png}
\caption{Chart showing the leading types of electrical distribution or lighting equipment involved in home electrical fires, 2007-2011.}
\end{figure}

**Leading Other Types of Equipment Involved in Home Electrical Fires, 2007-2011**

\begin{figure}
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\includegraphics[width=\textwidth]{LeadingOtherTypes.png}
\caption{Chart showing the leading other types of equipment involved in home electrical fires, 2007-2011.}
\end{figure}

**Home Fires Involving Electrical Distribution or Lighting Equipment**

U.S. fire departments responded to an estimated average of 22,410 reported U.S. non-confined home structure fires involving electrical distribution or lighting equipment in 2007-2011. These fires resulted in 325 civilian fire deaths, 950 civilian fire injuries, and $817 million in direct damage.

In 2007-2011:

Some type of electrical failure or malfunction was cited as factor contributing to ignition for 74% of electrical distribution or lighting equipment home structure fires.

Nearly half (44%) of civilian deaths in these incidents began in the living room, family room or den, or bedroom.

Wire or cable insulation is what ignited first in 32% of electrical distribution or lighting equipment home structure fires.

\begin{figure}
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\includegraphics[width=\textwidth]{HomeFires.png}
\caption{Chart showing home fires involving electrical distribution or lighting equipment, by major equipment group, 2007-2011.}
\end{figure}

**Home Fires Involving Electrical Distribution or Lighting Equipment, by Major Equipment Group 2007-2011**

\begin{figure}
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\includegraphics[width=\textwidth]{HomeFires.png}
\caption{Chart showing the distribution of home fires involving electrical distribution or lighting equipment by major equipment group, 2007-2011.}
\end{figure}

\textsuperscript{1}Homes are dwellings, duplexes, manufactured homes, apartments, townhouses, and rowhouses.

Source: *Home Electrical Fires*, John R. Hall, Jr.,
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