



**RESEARCH**

# Home Candle Fires

## Supporting Tables

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## Home Candle Fires: Supporting Tables

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The tables in this document are a companion to the [report of the same name](#).

Most tables, with the exception of the trend tables, show estimates of 2014-2018 annual averages. Only fires that occurred in or on the structure are included. Estimates were derived from [the US Fire Administration's National Fire Incident Reporting System \(NFIRS\)](#) and the NFPA annual fire department experience survey and include proportional shares of unknown or missing data. Except for trend tables, fires are rounded to the nearest 10, deaths and injuries are rounded to the nearest one, and property loss is rounded to the nearest million dollars. Percentages were calculated on unrounded estimates. Inflation adjustments were made only for the trend tables. In the trend tables, fires were rounded to the nearest hundred, casualties to the nearest 10, and property damage to the nearest million dollars.

NFIRS 5.0 introduced six categories of confined structure fires, including: confined cooking fires confined to the cooking vessel, confined chimney or flue fires, confined incinerator fires, confined fuel burner or boiler fires or delayed ignitions, confined commercial compactor fires, and trash or rubbish fires in a structure with no flame damage to the structure or its contents. Other structure fires are collectively called non-confined fires. Although causal and other detailed information is typically not required for these incidents, it is provided in some cases. Because the confined fire incident types describe certain scenarios, the distribution of unknown data differs from that of all fires. Consequently, allocation of unknowns was done separately. Non-confined and confined fires are shown separately in Tables 1 through 6. Please refer to [How NFPA's National Estimates Are Calculated for Home Structure Fires](#) for explanatory details.

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**Table 1. Home Candle Structure Fires by Area of Origin, 2014–2018 Annual Averages**

<b>Area of Origin</b>	<b>Fires</b>		<b>Civilian Deaths</b>		<b>Civilian Injuries</b>		<b>Direct Property Damage (in Millions)</b>	
Bedroom	2,820	(37%)	32	(40%)	331	(49%)	\$117	(42%)
Non-confined fire	2,720	(36%)	32	(40%)	331	(49%)	\$117	(42%)
Confined fire	100	(1%)	0	(0%)	0	(0%)	\$0	(0%)
Living room, family room, or den	1,090	(14%)	32	(39%)	140	(21%)	\$50	(18%)
Non-confined fire	1,040	(14%)	32	(39%)	140	(21%)	\$50	(18%)
Confined fire	60	(1%)	0	(0%)	0	(0%)	\$0	(0%)
Bathroom	920	(12%)	1	(1%)	47	(7%)	\$16	(6%)
Non-confined fire	830	(11%)	1	(1%)	45	(7%)	\$16	(6%)
Confined fire	100	(1%)	0	(0%)	2	(0%)	\$0	(0%)
Kitchen or cooking area	840	(11%)	4	(4%)	33	(5%)	\$13	(5%)
Non-confined fire	570	(8%)	4	(4%)	25	(4%)	\$13	(5%)
Confined fire	270	(4%)	0	(0%)	8	(1%)	\$0	(0%)
Unclassified function area	420	(6%)	5	(6%)	41	(6%)	\$31	(11%)
Non-confined fire	400	(5%)	5	(6%)	41	(6%)	\$31	(11%)
Confined fire	20	(0%)	0	(0%)	0	(0%)	\$0	(0%)
Dining room	270	(4%)	2	(3%)	17	(3%)	\$8	(3%)
Non-confined fire	260	(3%)	2	(3%)	17	(3%)	\$8	(3%)
Confined fire	10	(0%)	0	(0%)	0	(0%)	\$0	(0%)
Exterior balcony or unenclosed porch	130	(2%)	0	(0%)	10	(1%)	\$5	(2%)
Non-confined fire	130	(2%)	0	(0%)	10	(1%)	\$5	(2%)
Confined fire	10	(0%)	0	(0%)	0	(0%)	\$0	(0%)
Garage or vehicle storage area*	120	(2%)	1	(1%)	3	(1%)	\$6	(2%)
Non-confined fire	110	(1%)	1	(1%)	3	(1%)	\$6	(2%)
Confined fire	10	(0%)	0	(0%)	0	(0%)	\$0	(0%)
Other known area of origin	990	(13%)	4	(5%)	54	(8%)	\$30	(11%)
Non-confined fire	850	(11%)	4	(5%)	54	(8%)	\$30	(11%)
Confined fire	140	(2%)	0	(0%)	0	(0%)	\$0	(0%)
<b>Total</b>	<b>7,610</b>	<b>(100%)</b>	<b>81</b>	<b>(100%)</b>	<b>677</b>	<b>(100%)</b>	<b>\$278</b>	<b>(100%)</b>
Non-confined fire	6,910	(91%)	81	(100%)	666	(98%)	\$277	(100%)
Confined fire	700	(9%)	0	(0%)	10	(2%)	\$0	(0%)

\*Excludes properties coded as dwelling garages.

Note: Sums may not equal totals due to rounding errors. Confined structure fires other than chimney or flue fires (NFIRS incident type 113, and 115–118) were analyzed separately from non-confined structure fires (incident type 110–129, except 113–118).

Sources: NFIRS 5.0 and NFPA fire department experience survey.

**Table 2. Home Candle Structure Fires by Item First Ignited, 2014–2018 Annual Averages**

Item First Ignited	Fires		Civilian Deaths		Civilian Injuries		Direct Property Damage (in Millions)	
Mattress or bedding	860	(11%)	11	(13%)	144	(21%)	\$38	(14%)
Non-confined fire	840	(11%)	11	(13%)	144	(21%)	\$38	(14%)
Confined fire	10	(0%)	0	(0%)	0	(0%)	\$0	(0%)
Unclassified furniture or utensil	750	(10%)	5	(6%)	61	(9%)	\$28	(10%)
Non-confined fire	730	(10%)	5	(6%)	59	(9%)	\$28	(10%)
Confined fire	20	(0%)	0	(0%)	3	(0%)	\$0	(0%)
Curtains, blinds, drapery, or tapestry	650	(9%)	6	(8%)	54	(8%)	\$41	(15%)
Non-confined fire	640	(8%)	6	(8%)	54	(8%)	\$41	(15%)
Confined fire	10	(0%)	0	(0%)	0	(0%)	\$0	(0%)
Cabinetry	500	(7%)	1	(2%)	28	(4%)	\$16	(6%)
Non-confined fire	460	(6%)	1	(2%)	28	(4%)	\$16	(6%)
Confined fire	40	(1%)	0	(0%)	0	(0%)	\$0	(0%)
Clothing	420	(5%)	3	(4%)	65	(10%)	\$16	(6%)
Non-confined fire	380	(5%)	3	(4%)	65	(10%)	\$16	(6%)
Confined fire	30	(0%)	0	(0%)	0	(0%)	\$0	(0%)
Upholstered furniture	380	(5%)	12	(15%)	45	(7%)	\$24	(8%)
Non-confined fire	370	(5%)	12	(15%)	45	(7%)	\$24	(8%)
Confined fire	0	(0%)	0	(0%)	0	(0%)	\$0	(0%)
Magazine, newspaper, or writing paper	370	(5%)	12	(15%)	25	(4%)	\$13	(5%)
Non-confined fire	320	(4%)	12	(15%)	25	(4%)	\$13	(5%)
Confined fire	50	(1%)	0	(0%)	0	(0%)	\$0	(0%)
Unclassified item first ignited	370	(5%)	3	(4%)	31	(5%)	\$9	(3%)
Non-confined fire	300	(4%)	3	(4%)	31	(5%)	\$9	(3%)
Confined fire	70	(1%)	0	(0%)	0	(0%)	\$0	(0%)
Decoration	350	(5%)	3	(4%)	16	(2%)	\$7	(3%)
Non-confined fire	310	(4%)	3	(4%)	16	(2%)	\$7	(3%)
Confined fire	40	(1%)	0	(0%)	0	(0%)	\$0	(0%)
Interior wall covering, excluding drapes	320	(4%)	3	(4%)	16	(2%)	\$8	(3%)
Non-confined fire	320	(4%)	3	(4%)	16	(2%)	\$8	(3%)
Confined fire	0	(0%)	0	(0%)	0	(0%)	\$0	(0%)
Linen other than bedding	310	(4%)	0	(0%)	18	(3%)	9	(3%)
Non-confined fire	270	(4%)	0	(0%)	16	(2%)	\$9	(3%)
Confined fire	40	(0%)	0	(0%)	3	(0%)	\$0	(0%)
Multiple items first ignited	270	(4%)	11	(13%)	24	(4%)	\$12	(4%)
Non-confined fire	250	(3%)	11	(13%)	24	(4%)	\$12	(4%)
Confined fire	20	(0%)	0	(0%)	0	(0%)	\$0	(0%)
Floor covering rug, carpet, or mat	260	(3%)	0	(0%)	18	(3%)	\$8	(3%)
Non-confined fire	250	(3%)	0	(0%)	18	(3%)	\$8	(3%)
Confined fire	20	(0%)	0	(0%)	0	(0%)	\$0	(0%)

**Table 2. Home Candle Structure Fires by Item First Ignited, 2014–2018 Annual Averages, (Continued)**

<b>Item First Ignited</b>	<b>Fires</b>		<b>Civilian Deaths</b>		<b>Civilian Injuries</b>		<b>Direct Property Damage (in Millions)</b>	
Rubbish, trash, or waste	260	(3%)	2	(2%)	11	(2%)	\$4	(1%)
Non-confined fire	120	(2%)	2	(2%)	11	(2%)	\$4	(1%)
Confined fire	140	(2%)	0	(0%)	0	(0%)	\$0	(0%)
Unclassified soft goods, or wearing apparel	210	(3%)	2	(2%)	24	(4%)	\$6	(2%)
Non-confined fire	210	(3%)	2	(2%)	24	(4%)	\$6	(2%)
Confined fire	0	(0%)	0	(0%)	0	(0%)	\$0	(0%)
Box, carton, bag, basket, or barrel	170	(2%)	0	(0%)	12	(2%)	\$4	(1%)
Non-confined fire	140	(2%)	0	(0%)	12	(2%)	\$4	(1%)
Confined fire	30	(0%)	0	(0%)	0	(0%)	\$0	(0%)
Flammable or combustible liquids or gases, piping or filter	150	(2%)	2	(2%)	24	(4%)	\$4	(1%)
Non-confined fire	110	(1%)	2	(2%)	21	(3%)	\$4	(1%)
Confined fire	40	(0%)	0	(0%)	3	(0%)	\$0	(0%)
Appliance housing or casing	130	(2%)	1	(2%)	9	(1%)	\$2	(1%)
Non-confined fire	110	(1%)	1	(2%)	9	(1%)	\$2	(1%)
Confined fire	20	(0%)	0	(0%)	0	(0%)	\$0	(0%)
Other known item	880	(12%)	5	(6%)	52	(8%)	\$29	(10%)
Non-confined fire	770	(10%)	5	(6%)	49	(7%)	\$29	(10%)
Confined fire	110	(2%)	0	(0%)	3	(0%)	\$0	(0%)
<b>Total</b>	<b>7,610</b>	<b>(100%)</b>	<b>81</b>	<b>(100%)</b>	<b>677</b>	<b>(100%)</b>	<b>\$278</b>	<b>(100%)</b>
Non-confined fire	6,910	(91%)	81	(100%)	666	(98%)	\$277	(100%)
Confined fire	700	(9%)	0	(0%)	10	(2%)	\$0	(0%)

Note: Sums may not equal totals due to rounding errors. Fires in which the factor contributing to ignition was coded as “none,” unknown, or not reported have been allocated proportionally among fires with known factor contributing to ignition. Confined structure fires (NFIRS incident type 113–118) were analyzed separately from non-confined structure fires (incident type 110–129, except 113–118).

Sources: NFIRS 5.0 and NFPA fire department experience survey.

**Table 3. Home Candle Structure Fires by Cause of Ignition,  
20142018 Annual Averages**

<b>Cause of Ignition</b>	<b>Fires</b>		<b>Civilian Deaths</b>		<b>Civilian Injuries</b>		<b>Direct Property Damage (in Millions)</b>	
Unintentional	7,220	(95%)	77	(95%)	652	(96%)	\$266	(96%)
Non-confined fire	6,590	(87%)	77	(95%)	641	(95%)	\$266	(96%)
Confined fire	620	(8%)	0	(0%)	10	(2%)	\$0	(0%)
Intentional	200	(3%)	4	(5%)	14	(2%)	\$6	(2%)
Non-confined fire	170	(2%)	4	(5%)	14	(2%)	\$6	(2%)
Confined fire	40	(1%)	0	(0%)	0	(0%)	\$0	(0%)
Failure of equipment or heat source	110	(2%)	0	(0%)	9	(1%)	\$1	(1%)
Non-confined fire	90	(1%)	0	(0%)	9	(1%)	\$1	(1%)
Confined fire	30	(0%)	0	(0%)	0	(0%)	\$0	(0%)
Other known	70	(1%)	0	(0%)	2	(0%)	\$4	(1%)
Non-confined fire	60	(1%)	0	(0%)	2	(0%)	\$4	(1%)
Confined fire	10	(0%)	0	(0%)	0	(0%)	\$0	(0%)
<b>Total</b>	<b>7,610</b>	<b>(100%)</b>	<b>81</b>	<b>(100%)</b>	<b>677</b>	<b>(100%)</b>	<b>\$278</b>	<b>(100%)</b>
Non-confined fire	6,910	(91%)	81	(100%)	666	(98%)	\$277	(100%)
Confined fire	700	(9%)	0	(0%)	10	(2%)	\$0	(0%)

Note: Sums may not equal totals due to rounding errors. Fires in which the factor contributing to ignition was coded as “none,” unknown, or not reported have been allocated proportionally among fires with known factor contributing to ignition. Confined structure fires (NFIRS incident type 113–118) were analyzed separately from non-confined structure fires (incident type 110–129, except 113–118).

Sources: NFIRS 5.0 and NFPA fire department experience survey.

**Table 4. Home Candle Structure Fires by Factor Contributing to Ignition, 2014–2018 Annual Averages**

Factor Contributing to Ignition	Fires		Civilian Deaths		Civilian Injuries		Direct Property Damage (in Millions)	
Heat source too close to combustible	4,590	(60%)	48	(59%)	434	(64%)	\$158	(57%)
Non-confined fire	4,260	(56%)	48	(59%)	427	(63%)	\$158	(57%)
Confined fire	330	(4%)	0	(0%)	7	(1%)	\$0	(0%)
Abandoned or discarded material or product	970	(13%)	11	(14%)	67	(10%)	\$36	(13%)
Non-confined fire	870	(11%)	11	(14%)	67	(10%)	\$36	(13%)
Confined fire	100	(1%)	0	(0%)	0	(0%)	\$0	(0%)
Unclassified misuse of material or product	800	(10%)	8	(10%)	67	(10%)	\$22	(8%)
Non-confined fire	670	(9%)	8	(10%)	64	(9%)	\$22	(8%)
Confined fire	120	(2%)	0	(0%)	3	(1%)	\$0	(0%)
Unclassified factors contributing to ignition	340	(5%)	2	(2%)	34	(5%)	\$13	(5%)
Non-confined fire	310	(4%)	2	(2%)	34	(5%)	\$13	(5%)
Confined fire	30	(0%)	0	(0%)	0	(0%)	\$0	(0%)
Equipment unattended	260	(3%)	2	(2%)	11	(2%)	\$7	(3%)
Non-confined fire	230	(3%)	2	(2%)	11	(2%)	\$7	(3%)
Confined fire	30	(0%)	0	(0%)	0	(0%)	\$0	(0%)
Playing with heat source	230	(3%)	5	(6%)	23	(3%)	\$8	(3%)
Non-confined fire	190	(2%)	5	(6%)	23	(3%)	\$8	(3%)
Confined fire	40	(0%)	0	(0%)	0	(0%)	\$0	(0%)
Collision, knock down, or turn over	160	(2%)	2	(2%)	20	(3%)	\$8	(3%)
Non-confined fire	150	(2%)	2	(2%)	20	(3%)	\$8	(3%)
Confined fire	0	(0%)	0	(0%)	0	(0%)	\$0	(0%)
Other known factor	620	(8%)	6	(8%)	46	(7%)	\$38	(14%)
Non-confined fire	550	(7%)	6	(8%)	46	(7%)	\$38	(14%)
Confined fire	70	(1%)	0	(0%)	0	(0%)	\$0	(0%)
<b>Total fires*</b>	<b>7,610</b>	<b>(100%)</b>	<b>81</b>	<b>(100%)</b>	<b>677</b>	<b>(100%)</b>	<b>\$278</b>	<b>(100%)</b>
Non-confined fire	6,910	(91%)	81	(100%)	666	(98%)	\$277	(100%)
Confined fire	700	(9%)	0	(0%)	10	(2%)	\$0	(0%)
<b>Total factors*</b>	<b>7,970</b>	<b>(105%)</b>	<b>83</b>	<b>(102%)</b>	<b>702</b>	<b>(104%)</b>	<b>\$290</b>	<b>(104%)</b>
Non-confined fire	7,250	(95%)	83	(102%)	692	(102%)	289	(104%)
Confined fire	720	(9%)	0	(0%)	10	(2%)	\$0	(0%)

\* Multiple entries are allowed which can result in more factors than fires.

Note: Sums may not equal totals due to rounding errors. Fires in which the factor contributing to ignition was coded as “none,” unknown, or not reported have been allocated proportionally among fires with known factor contributing to ignition. Confined structure fires (NFIRS incident type 113–118) were analyzed separately from non-confined structure fires (incident type 110–129, except 113–118).

Sources: NFIRS 5.0 and NFPA fire department experience survey.

**Table 5. Home Candle Structure Fires by Human Factor Contributing to Ignition, 2014 to 2018 Annual Averages**

<b>Human Factor Contributing to Ignition</b>	<b>Fires</b>		<b>Civilian Deaths</b>		<b>Civilian Injuries</b>		<b>Direct Property Damage (in Millions)</b>	
Unattended or unsupervised person	1,290	(17%)	7	(9%)	81	(12%)	\$45	(16%)
Non-confined fire	1,210	(16%)	7	(9%)	79	(12%)	\$45	(16%)
Confined fire	80	(1%)	0	(0%)	2	(0%)	\$0	(0%)
Asleep	790	(10%)	12	(15%)	146	(22%)	\$35	(13%)
Non-confined fire	750	(10%)	12	(15%)	146	(22%)	\$35	(13%)
Confined fire	40	(1%)	0	(0%)	0	(0%)	\$0	(0%)
Age was a factor	260	(3%)	5	(6%)	48	(7%)	\$12	(4%)
Non-confined fire	240	(3%)	5	(6%)	46	(7%)	\$12	(4%)
Confined fire	30	(0%)	0	(0%)	2	(0%)	\$0	(0%)
Possibly impaired by alcohol or drugs	170	(2%)	12	(15%)	36	(5%)	\$8	(3%)
Non-confined fire	150	(2%)	12	(15%)	36	(5%)	\$8	(3%)
Confined fire	10	(0%)	0	(0%)	0	(0%)	\$0	(0%)
Possibly mentally disabled	90	(1%)	2	(3%)	15	(2%)	\$4	(2%)
Non-confined fire	80	(1%)	2	(3%)	15	(2%)	\$4	(2%)
Confined fire	10	(0%)	0	(0%)	0	(0%)	\$0	(0%)
Multiple persons involved	40	(1%)	0	(0%)	5	(1%)	\$2	(1%)
Non-confined fire	40	(1%)	0	(0%)	5	(1%)	\$2	(1%)
Confined fire	10	(0%)	0	(0%)	0	(0%)	\$0	(0%)
Physically disabled	30	(0%)	4	(4%)	14	(2%)	\$2	(1%)
Non-confined fire	30	(0%)	4	(4%)	14	(2%)	\$2	(1%)
Confined fire	0	(0%)	0	(0%)	0	(0%)	\$0	(0%)
None	5,080	(67%)	41	(51%)	375	(55%)	\$178	(64%)
Non-confined fire	4,550	(60%)	41	(51%)	369	(55%)	\$177	(64%)
Confined fire	530	(7%)	0	(0%)	6	(1%)	\$0	(0%)
<b>Total fires*</b>	<b>7,610</b>	<b>(100%)</b>	<b>81</b>	<b>(100%)</b>	<b>677</b>	<b>(100%)</b>	<b>\$278</b>	<b>(100%)</b>
Non-confined fire	6,910	(91%)	81	(100%)	666	(98%)	\$277	(100%)
Confined fire	700	(9%)	0	(0%)	10	(2%)	\$0	(0%)
<b>Total factors</b>	<b>7,760</b>	<b>(102%)</b>	<b>84</b>	<b>(103%)</b>	<b>719</b>	<b>(106%)</b>	<b>\$286</b>	<b>(103%)</b>
Non-confined fire	7,040	(93%)	84	(103%)	709	(105%)	\$286	(103%)
Confined fire	720	(9%)	0	(0%)	10	(2%)	\$0	(0%)

\* Multiple entries are allowed which can result in more factors than totals.

Note: Sums may not equal totals due to rounding errors. Fires in which the factor contributing to ignition was coded as “none,” unknown, or not reported have been allocated proportionally among fires with known factor contributing to ignition. Confined structure fires (NFIRS incident type 113–118) were analyzed separately from non-confined structure fires (incident type 110–129, except 113–118).

Sources: NFIRS 5.0 and NFPA fire department experience survey.



**Table 6. Home Candle Structure Fires by Extent of Fire Spread, 2014–2018 Annual Averages**

<b>Extent of Fire Spread</b>	<b>Fires</b>		<b>Civilian Deaths</b>		<b>Civilian Injuries</b>		<b>Direct Property Damage (in Millions)</b>	
Confined fire identified by incident type	700	(9%)	0	(0%)	10	(2%)	\$0	(0%)
Confined to object of origin	970	(13%)	1	(1%)	37	(6%)	\$7	(3%)
Confined to room of origin	3,990	(52%)	25	(31%)	318	(47%)	\$71	(26%)
Confined to floor of origin	610	(8%)	7	(9%)	112	(16%)	\$46	(17%)
Confined to building of origin	1,230	(16%)	40	(49%)	176	(26%)	\$138	(50%)
Beyond building of origin	120	(2%)	7	(9%)	23	(3%)	\$15	(5%)
<b>Total</b>	<b>7,610</b>	<b>(100%)</b>	<b>81</b>	<b>(100%)</b>	<b>677</b>	<b>(100%)</b>	<b>\$278</b>	<b>(100%)</b>

Note: Sums may not equal totals due to rounding errors.

Sources: NFIRS 5.0 and NFPA fire department experience survey.

**Table 7. Home Candle Structure Fire Deaths and Injuries by Age of Victim, 2014 to–2018 Annual Averages**

Age group	2014–2018 Population in Millions		Civilian Deaths		Deaths per Million	Relative Risk	Civilian Injuries		Injuries per Million	Relative Risk
Under 5	19.8	(6%)	5	(6%)	0.3	1.0	33	(5%)	1.7	0.8
5–9	20.3	(6%)	4	(5%)	0.2	0.7	21	(3%)	1.1	0.5
10–14	20.8	(6%)	0	(0%)	0.0	0.0	29	(4%)	1.4	0.7
15–19	21.2	(7%)	0	(0%)	0.0	0.0	36	(5%)	1.7	0.8
20–24	22.3	(7%)	2	(3%)	0.1	0.4	66	(10%)	3.0	1.4
25–34	44.6	(14%)	8	(10%)	0.2	0.8	123	(18%)	2.7	1.3
35–44	40.8	(13%)	10	(12%)	0.2	1.0	85	(12%)	2.1	1.0
45–54	42.6	(14%)	8	(10%)	0.2	0.8	106	(16%)	2.5	1.2
55–64	41.3	(12%)	14	(18%)	0.3	1.4	91	(13%)	2.2	1.0
65–74	28.5	(9%)	13	(16%)	0.6	2.6	55	(8%)	2.6	1.3
75–84	14.5	(4%)	11	(13%)	0.8	3.2	24	(3%)	1.7	0.8
85+	6.2	(2%)	5	(6%)	0.8	3.0	8	(1%)	1.3	0.6
<b>Total</b>	<b>322.9</b>	<b>(100%)</b>	<b>81</b>	<b>(100%)</b>	<b>0.3</b>	<b>1.0</b>	<b>677</b>	<b>(100%)</b>	<b>2.1</b>	<b>1.0</b>
Selected age groups:										
14 and under	60.9	(19%)	9	(11%)	0.1	0.6	84	(12%)	1.4	0.7
65 and over	49.2	(15%)	29	(36%)	0.6	2.3	87	(13%)	1.8	0.8

Note: Civilian deaths and injuries are rounded to the nearest one. Sums may not equal totals due to rounding errors.

Sources: NFIRS, NFPA’s fire experience survey and U.S. Census Bureau, 2014–2018 American Community Survey 5-year estimates.

**Table 8. Home Candle Structure Fires by Day of Week, 2014–2018 Annual Averages  
(Includes both Non-Confined and Confined Fires)**

Day of Week	Fires		Civilian Deaths		Civilian Injuries		Direct Property Damage (in Millions)	
Sunday	1,200	(16%)	15	(18%)	97	(14%)	\$37	(13%)
Monday	1,030	(14%)	13	(16%)	111	(16%)	\$43	(15%)
Tuesday	1,000	(13%)	12	(15%)	78	(11%)	\$39	(14%)
Wednesday	1,030	(14%)	11	(13%)	100	(15%)	\$36	(13%)
Thursday	1,040	(14%)	12	(15%)	115	(17%)	\$38	(14%)
Friday	1,090	(14%)	6	(7%)	89	(13%)	\$41	(15%)
Saturday	1,210	(16%)	12	(15%)	87	(13%)	\$44	(16%)
<b>Total</b>	<b>7,610</b>	<b>(100%)</b>	<b>81</b>	<b>(100%)</b>	<b>677</b>	<b>(100%)</b>	<b>\$278</b>	<b>(100%)</b>
Average per day of week	1,090	(14%)	12	(14%)	97	(14%)	\$40	(14%)

Note: Sums may not equal totals due to rounding errors.

Sources: NFIRS 5.0 and NFPA fire department experience survey

**Table 9. Home Candle Structure Fires by Time of Day, 2014–2018 Annual Averages  
(Includes Both Non-Confined and Confined Fires)**

Time of Day	Fires		Civilian Deaths		Civilian Injuries		Direct Property Damage (in Millions)	
Midnight–3 a.m.	790	(10%)	13	(17%)	92	(14%)	\$30	(11%)
3 a.m.–6 a.m.	590	(8%)	12	(15%)	73	(11%)	\$29	(11%)
6 a.m.–9 a.m.	610	(8%)	9	(12%)	71	(10%)	\$28	(10%)
9 a.m.–noon	830	(11%)	1	(1%)	89	(13%)	\$29	(10%)
Noon–3 p.m.	1,060	(14%)	6	(8%)	74	(11%)	\$35	(13%)
3 p.m.–6 p.m.	1,170	(15%)	12	(15%)	89	(13%)	\$50	(18%)
6 p.m.–9 p.m.	1,390	(18%)	5	(6%)	82	(12%)	\$41	(15%)
9 p.m.–midnight	1,170	(15%)	22	(27%)	108	(16%)	\$36	(13%)
<b>Total</b>	<b>7,610</b>	<b>(100%)</b>	<b>81</b>	<b>(100%)</b>	<b>677</b>	<b>(100%)</b>	<b>\$278</b>	<b>(100%)</b>
Average per time	950	(12%)	10	(12%)	85	(12%)	\$35	(13%)

Note: Sums may not equal totals due to rounding errors.

Sources: NFIRS 5.0 and NFPA fire department experience survey.

**Table 10. Home Candle Structure Fires by Month, 2014–2018 Annual Averages  
(Includes Both Non-Confined and Confined Fires)**

Month	Fires		Civilian Deaths		Civilian Injuries		Direct Property Damage (in Millions)	
January	800	(11%)	12	(15%)	86	(13%)	28	(10%)
February	670	(9%)	8	(10%)	57	(8%)	\$31	(11%)
March	690	(9%)	16	(20%)	61	(9%)	\$27	(10%)
April	570	(8%)	4	(4%)	59	(9%)	\$20	(7%)
May	560	(7%)	5	(6%)	46	(7%)	\$21	(8%)
June	490	(6%)	5	(6%)	43	(6%)	\$19	(7%)
July	520	(7%)	1	(1%)	33	(5%)	\$13	(5%)
August	520	(7%)	4	(4%)	41	(6%)	\$16	(6%)
September	550	(7%)	10	(12%)	36	(5%)	\$18	(6%)
October	650	(9%)	4	(5%)	48	(7%)	\$30	(11%)
November	710	(9%)	7	(9%)	67	(10%)	\$24	(9%)
December	860	(11%)	6	(7%)	100	(15%)	\$29	(11%)
<b>Total</b>	<b>7,610</b>	<b>(100%)</b>	<b>81</b>	<b>(100%)</b>	<b>677</b>	<b>(100%)</b>	<b>\$278</b>	<b>(100%)</b>
Average per month	630	(8%)	7	(8%)	56	(8%)	\$23	(8%)

Note: Sums may not equal totals due to rounding errors.

Sources: NFIRS 5.0 and NFPA fire department experience survey.

**Table 11. Home Candle Structure Fires, by Item First Ignited: January-November and December  
2014–2018 Annual Averages  
(Includes Both Non-Confined and Confined Fires)**

<b>January-November</b>	<b>Fires</b>	<b>December</b>	<b>Fires</b>
Mattress or bedding	770 (11%)	Unclassified furniture or utensil	110 (13%)
Unclassified furniture or utensil	640 (9%)	Decoration	100 (12%)
Curtains, blinds, drapery, or tapestry	600 (9%)	Mattress or bedding	90 (10%)
Cabinetry	460 (7%)	Curtains, blinds, drapery, or tapestry	60 (7%)
Clothing	370 (5%)	Clothing	50 (5%)
Magazine, newspaper, or writing paper	340 (5%)	Cabinetry	40 (5%)
Upholstered furniture	340 (5%)	Upholstered furniture	40 (4%)
Unclassified item first ignited	340 (5%)	Linen other than bedding	40 (4%)
Interior wall covering, excluding drapes	290 (4%)	Floor covering rug, carpet, or mat	30 (4%)
Linen other than bedding	270 (4%)	Multiple items first ignited	30 (4%)
Decoration	250 (4%)	Unclassified item first ignited	30 (4%)
Multiple items first ignited	230 (3%)	Rubbish, trash, or waste	30 (3%)
Floor covering rug, carpet, or mat	230 (3%)	Magazine, newspaper, or writing paper	30 (3%)
Rubbish, trash, or waste	230 (3%)	Interior wall covering, excluding drapes	30 (3%)
Unclassified soft goods or wearing apparel	190 (3%)	Box, carton, bag, basket, or barrel	20 (3%)
Box, carton, bag, basket, barrel	150 (2%)	Unclassified soft goods or wearing apparel	20 (2%)
Flammable or combustible liquids or gases,	140 (2%)		
Appliance housing or casing	120 (2%)		
Other known item	790 (12%)	Other known item	110 (13%)
<b>Total</b>	<b>6,750 (100%)</b>	<b>Total</b>	<b>860 (100%)</b>

Note: Sums may not equal totals due to rounding errors.

Sources: NFIRS 5.0 and NFPA fire department experience survey.

**Table 12. Candle Fires in the Home by Year: 1980–2018**

Year	Fires		Civilian Deaths		Civilian Injuries		Direct Property Damage (in Millions)		
							As Reported	In 2018 Dollars	
1980	10,400		40		580		\$51	\$156	
1981	9,600		140		510		\$53	\$146	
1982	8,900		100		530		\$51	\$133	
1983	8,100		130		580		\$57	\$144	
1984	8,200		120		640		\$65	\$157	
1985	8,500		90		670		\$73	\$170	
1986	8,200		150		640		\$94	\$216	
1987	8,000		130		640		\$59	\$130	
1988	8,300		100		780		\$85	\$181	
1989	7,700		120		740		\$81	\$164	
1990	6,800		120		650		\$81	\$156	
1991	7,300		90		750		\$106	\$195	
1992	7,700		130		700		\$85	\$152	
1993	7,800		100		720		\$108	\$188	
1994	8,900		100		980		\$111	\$188	
1995	10,700		90		1,080		\$153	\$252	
1996	12,300		160		1,310		\$221	\$354	
1997	14,400		210		1,410		\$217	\$340	
1998	15,700		190		1,290		\$226	\$349	
1999	17,300	(16,800)	90	(90)	1,640	(1,640)	\$350	(\$348)	\$528
2000	16,200	(15,800)	240	(240)	1,660	(1,660)	\$349	(\$349)	\$509
2001	18,900	(18,000)	250	(250)	1,930	(1,900)	\$438	(\$437)	\$622
2002	18,200	(17,600)	160	(160)	1,690	(1,690)	\$494	(\$494)	\$690
2003	17,000	(15,700)	140	(140)	1,510	(1,510)	\$464	(\$462)	\$634
2004	16,900	(15,600)	200	(200)	1,510	(1,490)	\$464	(\$462)	\$618
2005	15,600	(14,900)	150	(150)	1,270	(1,270)	\$539	(\$538)	\$693
2006	14,200	(13,000)	140	(140)	1,100	(1,090)	\$422	(\$422)	\$526
2007	12,700	(11,900)	200	(200)	1,040	(1,020)	\$367	(\$367)	\$444
2008	12,000	(10,900)	130	(130)	970	(960)	\$465	(\$465)	\$543
2009	9,600	(8,900)	60	(60)	790	(790)	\$576	(\$576)	\$674
2010	9,600	(8,700)	90	(90)	820	(800)	\$370	(\$369)	\$427
2011	9,100	(8,400)	90	(90)	870	(870)	\$313	(\$312)	\$350
2012	9,300	(8,700)	120	(120)	820	(790)	\$323	(\$323)	\$354
2013	9,000	(8,300)	70	(70)	840	(820)	\$284	(\$284)	\$306
2014	8,200	(7,400)	80	(80)	790	(790)	\$281	(\$281)	\$298
2015	7,900	(7,100)	50	(50)	670	(660)	\$278	(\$278)	\$295
2016	6,800	(6,300)	80	(80)	710	(700)	\$205	(\$205)	\$215
2017	7,600	(6,800)	100	(100)	570	(560)	\$296	(\$296)	\$303
2018	7,500	(6,800)	100	(100)	620	(600)	\$332	(\$331)	\$332

Note: Numbers in parentheses exclude fires with incident types indicating specific confined fires, including confined cooking fires, chimney or flue fires, fuel burner or boiler fires, incinerator, compactor, or trash fires that did not spread to other contents or the structure itself. *Because of low participation in NFIRS Version 5.0 during 1999–2001, estimates for those years are highly uncertain and must be used with caution.* Inflation adjustments were based on the purchasing power of the dollar.

Sources: NFIRS and NFPA fire department experience survey.

**Table 13. Candle Fires in the Home by Share of All Home Structure Fires, 1980–2018**

<b>Year</b>	<b>Home Fires</b>	<b>Home Candle Fires</b>	<b>Percent of Home Fires Started by Candles</b>
1980	734,000	10,400	(1%)
1981	711,000	9,600	(1%)
1982	654,500	8,900	(1%)
1983	625,500	8,100	(1%)
1984	605,500	8,200	(1%)
1985	606,000	8,500	(1%)
1986	565,500	8,200	(1%)
1987	536,500	8,000	(1%)
1988	538,500	8,300	(2%)
1989	498,500	7,700	(2%)
1990	454,500	6,800	(1%)
1991	464,500	7,300	(2%)
1992	459,000	7,700	(2%)
1993	458,000	7,800	(2%)
1994	438,000	8,900	(2%)
1995	414,000	10,700	(3%)
1996	417,000	12,300	(3%)
1997	395,500	14,400	(4%)
1998	369,500	15,700	(4%)
1999	371,000	17,300	(5%)
2000	368,000	16,200	(4%)
2001	383,500	18,900	(5%)
2002	389,000	18,200	(5%)
2003	388,500	17,000	(4%)
2004	395,500	16,900	(4%)
2005	381,000	15,600	(4%)
2006	396,000	14,100	(4%)
2007	399,000	12,700	(3%)
2008	386,500	12,000	(3%)
2009	362,500	9,600	(3%)
2010	384,000	9,600	(3%)
2011	370,000	9,100	(3%)
2012	365,000	9,300	(3%)
2013	369,500	9,000	(2%)
2014	367,500	8,200	(2%)
2015	365,500	7,900	(2%)
2016	352,000	6,800	(2%)
2017	357,000	7,600	(2%)
2018	363,000	7,500	(2%)

Note: These are national estimates of fires reported to U.S. municipal fire departments and so exclude fires reported only to Federal or state agencies or industrial fire brigades. National estimates are projections. Home fires are rounded to the nearest five hundred while home candle fires are rounded to the nearest hundred.

Sources: Total home fires are based on the NFPA fire department experience survey. Candle fire estimates are derived from NFIRS and the NFPA fire department experience survey.

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