

Residential Building Causes - ROUNDED Fire National Estimates by Cause

* Sum of causes may not equal totals due to rounding.

Note: Estimates of <50 indicate insufficient data available to compute estimates

FIRES

OVERALL Residential Building Causes

Years	Intentional	Playing with Heat Source	Smoking	Heating	Cooking	Electrical Malfunction	Appliances	Open Flame	Other Heat	Other Equipment	Natural	Exposure	Equipment Malfunction	Other Unintentional Careless	Investigation with Arson Module	Total Residential
2003	17,400	3,500	8,900	61,100	153,000	26,400	9,200	23,700	17,900	6,000	6,700	7,000	16,100	22,000	2,200	381,200
2004	17,500	3,100	9,000	60,600	162,900	27,000	8,600	23,100	17,800	5,600	6,700	7,100	16,000	22,300	2,400	389,800
2005	18,000	2,900	8,700	54,200	155,500	28,500	8,500	22,900	17,600	5,000	6,700	7,500	15,100	22,500	2,900	376,500
2006	18,100	3,200	9,700	53,600	168,400	30,000	9,700	22,300	16,100	5,000	7,200	7,900	14,800	23,400	3,300	392,700
2007	19,000	3,100	8,900	54,400	161,700	30,600	10,200	20,900	15,400	4,600	6,900	10,300	15,200	25,400	3,800	390,300
2008	18,300	2,700	8,300	53,300	162,600	29,100	9,000	19,400	13,500	4,500	6,900	8,600	13,700	24,500	3,800	378,200

OVERALL 1 & 2 Family Causes

Years	Intentional	Playing with Heat Source	Smoking	Heating	Cooking	Electrical Malfunction	Appliances	Open Flame	Other Heat	Other Equipment	Natural	Exposure	Equipment Malfunction	Other Unintentional Careless	Investigation with Arson Module	Total 1 & 2 Family
2003	13,000	2,800	5,600	49,800	71,600	22,600	7,200	18,200	13,500	2,600	6,100	5,400	12,200	17,100	1,800	249,400
2004	13,500	2,400	5,600	49,100	77,000	23,300	6,800	18,100	13,400	2,500	6,100	5,500	12,000	17,400	1,900	254,600
2005	13,600	2,300	5,400	44,500	73,600	24,200	6,500	17,600	13,300	2,500	6,000	5,900	11,100	17,300	2,200	245,900
2006	13,900	2,500	6,000	44,300	77,900	25,600	7,600	17,200	12,100	2,400	6,500	6,400	10,800	18,200	2,500	253,800
2007	14,500	2,400	5,700	46,000	77,200	26,500	7,900	16,700	12,000	2,500	6,300	8,600	11,400	20,300	2,900	260,800
2008	14,100	2,200	5,300	44,900	76,800	25,000	7,000	15,700	10,300	2,400	6,300	7,100	10,400	19,700	3,100	250,400

OVERALL Multifamily Causes

Years	Intentional	Playing with Heat Source	Smoking	Heating	Cooking	Electrical Malfunction	Appliances	Open Flame	Other Heat	Other Equipment	Natural	Exposure	Equipment Malfunction	Other Unintentional Careless	Investigation with Arson Module	Total Multifamily
2003	3,200	700	2,700	9,400	67,400	3,100	1,600	4,600	3,500	3,000	400	1,500	3,300	4,000	400	108,800
2004	3,000	600	2,800	9,900	71,000	3,000	1,400	4,300	3,400	2,700	400	1,500	3,300	4,000	400	111,700
2005	3,300	600	2,600	8,200	67,200	3,400	1,600	4,500	3,500	2,200	500	1,300	3,400	4,100	500	107,000
2006	3,200	700	3,100	7,800	74,100	3,600	1,800	4,300	3,300	2,300	500	1,200	3,400	4,100	600	113,900
2007	3,400	600	2,700	6,800	68,400	3,300	1,800	3,500	2,700	1,600	500	1,500	3,100	4,000	700	104,600
2008	3,300	500	2,500	7,100	69,400	3,300	1,600	3,200	2,500	1,700	400	1,400	2,700	3,900	600	104,100

OVERALL Other Causes

Years	Intentional	Playing with Heat Source	Smoking	Heating	Cooking	Electrical Malfunction	Appliances	Open Flame	Other Heat	Other Equipment	Natural	Exposure	Equipment Malfunction	Other Unintentional Careless	Investigation with Arson Module	Total Other Residential
2003	1,300	100	600	2,700	11,700	1,200	500	1,100	1,100	300	300	200	700	1,200	100	23,000
2004	1,100	100	600	2,500	12,500	1,200	500	1,000	1,100	300	300	200	800	1,200	100	23,500
2005	1,300	100	700	2,200	12,400	1,300	500	1,000	1,000	300	400	400	700	1,300	200	23,700
2006	1,100	100	600	2,300	14,000	1,300	500	1,100	900	300	300	400	700	1,300	200	25,000
2007	1,200	100	600	2,400	13,500	1,400	500	1,000	900	400	400	300	800	1,500	200	25,000
2008	1,100	100	500	2,100	13,600	1,300	500	800	800	300	300	300	700	1,200	200	23,600

Residential Building Causes - ROUNDED Fire Death National Estimates by Cause

* Sum of causes may not equal totals due to rounding.

Note: Estimates of <3 indicate insufficient data available to compute estimates

DEATHS

OVERALL Residential Building Causes

Years	Intentional	Playing with Fire Source	Smoking	Heating	Cooking	Electrical Malfunction	Appliances	Open Flame	Other Heat	Other Equipment	Natural	Exposure	Equipment Malfunction	Other Unintentional Careless	Investigation with Arson Module	Total Residential*
2003	265	130	500	155	110	360	80	310	195	110	30	0	100	440	215	3,000
2004	255	60	505	200	200	350	80	295	220	40	45	25	155	430	195	3,050
2005	350	55	510	220	135	310	30	240	220	45	20	20	120	410	205	2,895
2006	250	80	485	175	120	290	15	205	185	35	10	15	90	365	165	2,490
2007	310	55	470	175	105	295	35	245	240	60	10	35	120	380	240	2,765
2008	310	45	390	145	85	380	55	210	130	75	30	10	90	430	265	2,650

OVERALL 1 & 2 Family Causes

Years	Intentional	Playing with Fire Source	Smoking	Heating	Cooking	Electrical Malfunction	Appliances	Open Flame	Other Heat	Other Equipment	Natural	Exposure	Equipment Malfunction	Other Unintentional Careless	Investigation with Arson Module	Total 1 & 2 Family*
2003	220	130	320	135	95	335	70	220	150	110	30	<3	95	365	205	2,480
2004	220	45	380	185	120	315	65	225	190	30	45	25	105	350	170	2,485
2005	280	30	350	205	75	270	20	155	165	35	15	5	90	370	160	2,225
2006	175	75	360	160	50	275	15	140	140	25	10	5	65	310	120	1,925
2007	265	50	340	160	80	270	35	175	190	35	5	35	115	320	205	2,280
2008	245	40	275	130	70	325	45	160	105	65	30	10	70	370	220	2,165

OVERALL Multifamily Causes

Years	Intentional	Playing with Fire Source	Smoking	Heating	Cooking	Electrical Malfunction	Appliances	Open Flame	Other Heat	Other Equipment	Natural	Exposure	Equipment Malfunction	Other Unintentional Careless	Investigation with Arson Module	Total Multifamily*
2003	40	<3	120	10	10	20	10	75	35	<3	<3	<3	5	55	5	380
2004	35	5	95	10	65	25	10	55	25	<3	<3	<3	25	60	25	425
2005	55	20	120	20	55	40	5	45	40	<3	<3	15	30	30	40	510
2006	55	10	90	15	60	15	<3	55	40	10	<3	10	20	35	35	445
2007	35	<3	100	15	25	15	<3	60	40	25	<3	<3	5	55	35	405
2008	55	<3	90	5	15	55	10	40	20	5	<3	<3	10	50	40	395

OVERALL Other Causes

Years	Intentional	Playing with Fire Source	Smoking	Heating	Cooking	Electrical Malfunction	Appliances	Open Flame	Other Heat	Other Equipment	Natural	Exposure	Equipment Malfunction	Other Unintentional Careless	Investigation with Arson Module	Total Other Residential*
2003	<3	<3	65	10	10	<3	<3	10	10	<3	<3	<3	<3	20	10	140
2004	<3	10	20	10	5	10	5	10	5	10	<3	<3	25	20	<3	140
2005	20	<3	30	5	<3	10	5	35	15	10	10	<3	<3	25	5	160
2006	25	<3	35	5	<3	10	<3	5	5	5	5	<3	<3	30	10	125
2007	10	5	25	<3	<3	10	10	<3	15	<3	<3	5	<3	5	<3	80
2008	10	5	25	10	5	<3	<3	10	<3	10	<3	<3	10	10	5	90

Residential Building Causes - ROUNDED Fire Injury National Estimates by Cause

* Sum of causes may not equal totals due to rounding.

Note: Estimates of <3 indicate insufficient data available to compute estimates

INJURIES

OVERALL Residential Building Causes

Years	Intentional	Playing with Heat Source	Smoking	Heating	Cooking	Electrical Malfunction	Appliances	Open Flame	Other Heat	Other Equipment	Natural	Exposure	Equipment Malfunction	Other Unintentional Careless	Investigation with Arson Module	Total Residential*
2003	875	500	1,025	675	3,000	900	450	1,875	1,050	175	125	75	900	1,560	275	13,420
2004	850	500	1,050	650	3,225	900	500	1,800	900	125	100	50	1,150	1,500	325	13,650
2005	925	325	1,025	625	3,050	1,125	500	1,600	950	150	75	75	1,025	1,500	400	13,375
2006	750	425	1,150	575	2,950	1,000	475	1,475	825	150	125	50	900	1,350	375	12,545
2007	950	400	950	700	3,325	1,175	600	1,475	800	200	125	75	825	1,500	425	13,525
2008	825	400	950	600	3,475	1,075	475	1,325	825	125	100	75	875	1,550	375	13,100

OVERALL 1 & 2 Family Causes

Years	Intentional	Playing with Heat Source	Smoking	Heating	Cooking	Electrical Malfunction	Appliances	Open Flame	Other Heat	Other Equipment	Natural	Exposure	Equipment Malfunction	Other Unintentional Careless	Investigation with Arson Module	Total 1 & 2 Family*
2003	570	405	655	565	1,620	695	295	1,425	795	135	105	30	585	1,150	225	9,195
2004	625	345	600	590	1,735	735	340	1,335	600	120	100	20	815	1,070	240	9,265
2005	615	200	505	530	1,660	915	395	1,115	695	140	65	60	715	1,075	275	8,960
2006	440	315	620	500	1,595	795	360	1,035	575	125	100	45	560	930	255	8,235
2007	580	330	590	625	1,750	900	430	1,050	575	145	120	75	545	1,110	290	9,125
2008	505	320	580	530	1,855	760	320	865	525	105	80	50	565	1,040	290	8,390

OVERALL Multifamily Causes

Years	Intentional	Playing with Heat Source	Smoking	Heating	Cooking	Electrical Malfunction	Appliances	Open Flame	Other Heat	Other Equipment	Natural	Exposure	Equipment Malfunction	Other Unintentional Careless	Investigation with Arson Module	Total Multifamily*
2003	255	95	305	110	1,205	140	110	425	275	35	15	15	295	340	45	3,655
2004	215	135	350	90	1,295	140	150	415	230	5	10	10	270	390	75	3,775
2005	280	115	405	115	1,195	160	90	425	215	10	15	20	295	365	100	3,805
2006	255	110	425	80	1,185	170	100	380	15	15	10	10	310	355	95	3,715
2007	310	80	315	100	1,385	220	105	345	220	35	10	5	265	360	120	3,865
2008	300	45	335	95	1,470	285	140	410	255	20	10	20	280	440	90	4,190

OVERALL Other Causes

Years	Intentional	Playing with Heat Source	Smoking	Heating	Cooking	Electrical Malfunction	Appliances	Open Flame	Other Heat	Other Equipment	Natural	Exposure	Equipment Malfunction	Other Unintentional Careless	Investigation with Arson Module	Total Other Residential*
2003	45	5	65	50	135	50	30	45	35	<3	5	15	20	55	5	570
2004	20	20	95	30	130	35	20	55	75	10	<3	5	55	75	10	605
2005	35	15	115	35	120	55	20	55	40	10	5	<3	30	55	25	610
2006	65	5	95	20	105	35	20	65	40	5	20	5	35	55	20	590
2007	55	<3	50	30	120	50	55	70	15	10	10	<3	15	40	15	535
2008	35	20	40	40	115	35	25	60	35	5	5	<3	30	60	5	520

Residential Building Causes - ROUNDED Fire Dollar Loss National Estimates by Cause

* Sum of causes may not equal totals due to rounding.

Note: Estimates of < \$50,000 indicate insufficient data available to compute estimates

2008 DOLLAR LOSS

OVERALL Residential Building Causes

Years	Intentional	Playing with Heat Source	Smoking	Heating	Cooking	Electrical Malfunction	Appliances	Open Flame	Other Heat	Other Equipment	Natural	Exposure	Equipment Malfunction	Other Unintentional Careless	Investigation with Arson Module	Total Residential*
2003	605,000,000	143,000,000	289,000,000	395,000,000	301,000,000	1,029,000,000	261,000,000	780,000,000	593,000,000	114,000,000	374,000,000	233,000,000	431,000,000	906,000,000	200,000,000	6,655,900,000
2004	569,000,000	123,000,000	299,000,000	329,000,000	255,000,000	1,030,000,000	211,000,000	808,000,000	507,000,000	123,000,000	448,000,000	239,000,000	373,000,000	886,000,000	233,000,000	6,433,700,000
2005	623,000,000	140,000,000	337,000,000	326,000,000	295,000,000	1,243,000,000	226,000,000	902,000,000	570,000,000	144,000,000	389,000,000	260,000,000	440,000,000	911,000,000	358,000,000	7,162,100,000
2006	572,000,000	121,000,000	345,000,000	335,000,000	258,000,000	1,090,000,000	249,000,000	767,000,000	880,000,000	108,000,000	446,000,000	248,000,000	401,000,000	957,000,000	322,000,000	7,097,300,000
2007	501,000,000	97,000,000	275,000,000	269,000,000	298,000,000	1,054,000,000	206,000,000	685,000,000	432,000,000	126,000,000	376,000,000	1,642,000,000	350,000,000	898,000,000	284,000,000	7,431,900,000
2008	685,000,000	116,000,000	330,000,000	341,000,000	293,000,000	1,215,000,000	246,000,000	1,031,000,000	473,000,000	162,000,000	480,000,000	744,000,000	444,000,000	1,134,000,000	317,000,000	8,021,600,000

OVERALL 1 & 2 Family Causes

Years	Intentional	Playing with Heat Source	Smoking	Heating	Cooking	Electrical Malfunction	Appliances	Open Flame	Other Heat	Other Equipment	Natural	Exposure	Equipment Malfunction	Other Unintentional Careless	Investigation with Arson Module	Total 1 & 2 Family*
2003	430,900,000	113,300,000	193,100,000	352,200,000	205,500,000	821,400,000	213,300,000	621,700,000	449,400,000	105,000,000	332,500,000	127,300,000	341,500,000	765,100,000	174,800,000	5,247,000,000
2004	440,900,000	85,000,000	181,600,000	270,600,000	169,000,000	855,200,000	169,000,000	603,500,000	379,700,000	111,900,000	392,800,000	142,100,000	302,500,000	674,400,000	170,100,000	4,948,300,000
2005	419,400,000	96,800,000	181,400,000	278,200,000	200,700,000	1,012,200,000	176,900,000	666,000,000	463,900,000	132,500,000	355,100,000	153,400,000	349,300,000	777,500,000	248,200,000	5,505,500,000
2006	418,800,000	86,100,000	190,100,000	307,200,000	174,500,000	902,300,000	193,500,000	577,300,000	729,600,000	97,400,000	370,100,000	176,000,000	309,300,000	765,600,000	232,900,000	5,530,700,000
2007	344,400,000	65,100,000	160,500,000	234,100,000	163,200,000	879,000,000	164,500,000	503,200,000	329,200,000	104,100,000	299,900,000	1,533,900,000	269,600,000	739,100,000	185,800,000	5,975,600,000
2008	519,900,000	82,100,000	189,000,000	315,100,000	203,800,000	1,015,600,000	206,000,000	581,000,000	333,600,000	145,200,000	427,000,000	606,300,000	360,500,000	915,000,000	258,200,000	6,158,300,000

OVERALL Multifamily Causes

Years	Intentional	Playing with Heat Source	Smoking	Heating	Cooking	Electrical Malfunction	Appliances	Open Flame	Other Heat	Other Equipment	Natural	Exposure	Equipment Malfunction	Other Unintentional Careless	Investigation with Arson Module	Total Multifamily*
2003	121,600,000	27,200,000	81,900,000	28,100,000	76,800,000	141,100,000	36,400,000	126,900,000	106,800,000	6,200,000	29,800,000	92,600,000	76,500,000	109,800,000	21,000,000	1,082,700,000
2004	99,700,000	34,700,000	106,100,000	48,100,000	68,300,000	138,800,000	25,400,000	174,700,000	97,700,000	4,800,000	30,800,000	87,500,000	57,300,000	166,100,000	59,500,000	1,199,500,000
2005	168,400,000	38,700,000	125,800,000	41,900,000	70,500,000	182,500,000	32,700,000	192,300,000	80,100,000	8,500,000	25,500,000	82,700,000	65,800,000	118,200,000	80,800,000	1,348,400,000
2006	82,800,000	32,200,000	139,900,000	26,100,000	67,300,000	147,600,000	41,700,000	153,100,000	125,600,000	6,700,000	57,600,000	61,000,000	76,700,000	154,300,000	75,500,000	1,244,100,000
2007	135,900,000	29,700,000	104,800,000	26,600,000	59,600,000	117,800,000	31,200,000	157,900,000	79,000,000	8,500,000	53,700,000	87,200,000	54,400,000	114,700,000	87,700,000	1,148,700,000
2008	148,600,000	32,400,000	123,100,000	27,300,000	72,300,000	161,900,000	33,700,000	150,500,000	88,500,000	13,400,000	39,100,000	130,000,000	76,000,000	194,200,000	54,700,000	1,345,700,000

OVERALL Other Causes

Years	Intentional	Playing with Heat Source	Smoking	Heating	Cooking	Electrical Malfunction	Appliances	Open Flame	Other Heat	Other Equipment	Natural	Exposure	Equipment Malfunction	Other Unintentional Careless	Investigation with Arson Module	Total Other*
2003	51,400,000	2,100,000	10,800,000	25,600,000	9,600,000	69,900,000	11,500,000	31,300,000	36,000,000	4,300,000	13,900,000	8,400,000	12,400,000	34,100,000	5,300,000	326,600,000
2004	29,200,000	2,500,000	8,500,000	18,000,000	9,500,000	38,600,000	17,700,000	28,300,000	29,400,000	7,500,000	27,400,000	7,700,000	13,700,000	45,400,000	2,500,000	285,900,000
2005	30,200,000	2,500,000	22,400,000	17,000,000	10,900,000	50,900,000	16,400,000	39,300,000	27,000,000	4,100,000	12,800,000	20,900,000	31,800,000	28,500,000	27,300,000	342,000,000
2006	74,300,000	2,000,000	10,600,000	11,200,000	6,000,000	41,300,000	14,400,000	35,300,000	25,400,000	4,300,000	19,600,000	9,900,000	14,600,000	37,100,000	12,300,000	318,300,000
2007	20,300,000	1,400,000	8,200,000	17,400,000	6,600,000	61,700,000	10,900,000	21,900,000	25,300,000	15,400,000	23,900,000	8,600,000	29,500,000	46,800,000	9,600,000	307,500,000
2008	18,800,000	1,100,000	12,800,000	12,900,000	7,100,000	48,200,000	8,700,000	260,100,000	46,800,000	6,100,000	29,300,000	14,100,000	11,000,000	33,400,000	7,000,000	517,400,000