

# Bureau of Fire Investigation

## Investigative Management and Reporting System



# 2019

# Annual Report



*Veritas ex Cineribus*

**Bill de Blasio**  
Mayor

**Daniel A. Nigro**  
Fire Commissioner



# **Bureau of Fire Investigation**

**Fire Department of the City of New York**

**Chief Fire Marshal**

**Thomas Kane**

**Assistant Chief Fire Marshal**

**Michael Durkin**

**Chief of Operations**

Supervising Fire Marshal  
John P. Watkins  
Program Administrator

Fire Marshal  
Philip Pillet  
Medical Examiner Liaison

Computer Associate  
CTRS Group  
Application Developer

Principal Administrative Associate  
Dana Holland  
Records Management Supervisor



# Bureau of Fire Investigation

## Investigative Management and Reporting System

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# **Bureau of Fire Investigation**

## **Investigative Management and Reporting System**



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# **Total Investigations**



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## Summary of Investigations by Type

For the period 1/1/2019 through 12/31/2019

Type of Investigation	Total
<b>Total Fire Investigations:</b>	<b>6173</b>
<b>Total Non Fire Investigations:</b>	<b>830</b>
Albany Burn Notif. Unrelated to a Fire/Explosion	198
MFA	112
Other - No Fire	161
Juvenile Firesetter Intervention	122
Albany Burn Notif. Related to a Previous BFI Inv.	24
Albany Burn Notif. / Pending Investigation	14
Fireworks Related	4
SIU Investigation	154
Threat to Burn	2
Fraudulent Placard Investigation	0
Juvenile Firesetter Community Outreach	5
Theft from Quarters	1
Electrocution - Electrical Burns to Person	4
Headquarters Investigation	4
Carbon Monoxide Incident	9
Juvenile Firesetter Follow Up	15
Juvenile Firesetter School Visit	1
Fire Category Not Defined	22
<b>Cases Received:</b>	<b>7003</b>
<b>Preliminary Investigation Only:</b>	<b>1786</b>
<b>Total Investigations</b>	<b>5217</b>



# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Summary of Fire Investigation Cases by Percentage

For the period 1/1/2019 through 12/31/2019

Fire Causes	Total
<b>Preliminary Investigation Only</b> Percentage of Investigations Conducted	1786 34.23%
<b>Incendiary</b> Percentage of Investigations Conducted	1376 26.38%
<b>Electrical</b> Percentage of Investigations Conducted	961 18.42%
<b>Smoking</b> Percentage of Investigations Conducted	556 10.66%
<b>Albany Burn Notifi. Unrelated to a Fire/Explosion</b> Percentage of Investigations Conducted	198 3.80%
<b>Open Flame</b> Percentage of Investigations Conducted	348 6.67%
<b>Cooking Carelessness</b> Percentage of Investigations Conducted	307 5.88%
<b>No Fire</b> Percentage of Investigations Conducted	187 3.58%
<b>Hot Objects</b> Percentage of Investigations Conducted	295 5.65%
<b>Appliance</b> Percentage of Investigations Conducted	151 2.89%
<b>MFA</b> Percentage of Investigations Conducted	112 2.15%
<b>Juvenile Firesetter Intervention</b> Percentage of Investigations Conducted	122 2.34%
<b>Other</b> Percentage of Investigations Conducted	241 4.62%



# **Bureau of Fire Investigation**

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# **Fire Causes**



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## Summary of Fire Causes Investigated by Category

For the period 1/1/2019 through 12/31/2019

Cause of Fire Category	Total
<b>Incendiary</b> Percentage of Investigations Conducted	1376 31.52%
<b>Smoking</b> Percentage of Investigations Conducted	556 12.74%
<b>Electrical</b> Percentage of Investigations Conducted	961 22.02%
<b>Open Flame</b> Percentage of Investigations Conducted	348 7.97%
<b>Cooking Carelessness</b> Percentage of Investigations Conducted	307 7.03%
<b>Hot Objects</b> Percentage of Investigations Conducted	295 6.76%
<b>Appliance</b> Percentage of Investigations Conducted	151 3.46%
<b>Heaters</b> Percentage of Investigations Conducted	77 1.76%
<b>Other</b> Percentage of Investigations Conducted	74 1.70%
<b>Ignitable Liquid/Gas</b> Percentage of Investigations Conducted	51 1.17%
<b>Motors</b> Percentage of Investigations Conducted	95 2.18%
<b>Natural Sources</b> Percentage of Investigations Conducted	47 1.08%
<b>Electrical Devices</b> Percentage of Investigations Conducted	15 0.34%

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# Bureau Of Fire Investigation

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## Summary of Fire Causes

For the period 1/1/2019 through 12/31/2019

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<b>Fire Category:</b>	<b>Appliances</b>	
<b>Cause of Fire</b>		<b>Count</b>
Other Appliance		35
Stove - Natural Gas		34
Clothes Dryer		30
Clothes Dryer - Natural Gas		29
Stove - Electric		4
Refrigeration Compressor		5
Microwave		7
Clothes Dryer - Electric		1
Dishwasher		2
Coffee Pot		2
Clothes Washer		1
Stove - Coal		1
<b>Appliances Total:</b>		<b>151</b>

<b>Fire Category:</b>	<b>Cooking Carelessness</b>	
<b>Cause of Fire</b>		<b>Count</b>
Food on the Stove		86
Stove/Cooking - Stove		53
Stove/Cooking - Electric		9
Barbecue - Wood/Charcoal		17
Stove/Cooking - Other		68
Cooking Fire Extending to Clothing or Combustibles		44
Stove/Cooking - Fryer		11
Barbecue - Propane		4
Rangehood Fire - Ductwork		11
Stove/Cooking - Toaster Oven		4
<b>Cooking Carelessness Total:</b>		<b>307</b>

<b>Fire Category:</b>	<b>Electrical</b>	
<b>Cause of Fire</b>		<b>Count</b>
Fuse/Circuit Breaker Panel		16
Electrical Wiring		542

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## Summary of Fire Causes

For the period 1/1/2019 through 12/31/2019

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Fire Category:	Electrical	
Cause of Fire		Count
Extension Cord		96
Transformer		9
Power Strip		32
Lighting Fixture		22
Hard Wire Outlet		28
Appliance Cord		23
Feeder Cable		18
Other - Electrical		136
Vehicle Wiring		24
Arc Welding		1
Service		7
Ballast		4
Surge Suppressor		1
Holiday Lighting		2
<b>Electrical Total:</b>		<b>961</b>

Fire Category:	Electrical Devices	
Cause of Fire		Count
Computer Component(s)		11
Other Audio Visual Equipment		1
Cable/Satellite Equipment		1
Radio/Stereo		1
TV		1
<b>Electrical Devices Total:</b>		<b>15</b>

Fire Category:	Heaters	
Cause of Fire		Count
Permanent Heater - Oil		14
Permanent Heater - Gas		15
Portable Heater		7
Portable Heater - Electric		23
Permanent Heater - Electric		6

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Summary of Fire Causes

For the period 1/1/2019 through 12/31/2019

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<b>Fire Category: Heaters</b>	
<b>Cause of Fire</b>	<b>Count</b>
Portable Heater - Propane	1
Portable Heater - Kerosene	1
Heaters - Other	7
Permanent Heater	3
<b>Heaters Total:</b>	<b>77</b>

<b>Fire Category: Hot Objects</b>	
<b>Cause of Fire</b>	<b>Count</b>
Chimney/Flues	16
Heat From Molten Metal / Slag	15
Brands	2
Incense	82
Other - Hot Objects	87
Heat from Light Bulb	32
Heat or Sparks from Friction	38
Permanent Heater - Steam Radiator (Pyrolysis)	4
Hot Embers	16
Heat from an Iron	3
<b>Hot Objects Total:</b>	<b>295</b>

<b>Fire Category: Ignitable</b>	
<b>Cause of Fire</b>	<b>Count</b>
Ignitable Liquids/Gases - Lighter Fluid	4
Other - Ignitable Liquid/Gas	15
Ignitable Liquids/Gases - Gasoline	11
Ignitable Liquids/Gases - Natural Gas	6
Ignitable Liquid-Polyurethane/Varnish/PaintThinner	3
Other - Liquid	4
Other - Gas	2
Ignitable Liquids/Gases - Pesticide Fogger	3
Ignitable Liquids/Gases - Fuel Oil	3
<b>Ignitable Total:</b>	<b>51</b>

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## Summary of Fire Causes

For the period 1/1/2019 through 12/31/2019

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<b>Fire Category:</b>		<b>Incendiary</b>
<b>Cause of Fire</b>		<b>Count</b>
Incendiary		885
Incendiary - Ignitable Liquid		97
Incendiary - Combustible Material		327
Incendiary - Fireworks		24
Incendiary - Torch - Illegal Use of		14
Incendiary - Attempted Suicide		5
Incendiary - Combustible Gas		4
Incendiary - Reckless Use of Open Flame		10
Incendiary - Self Immolation		2
Incendiary - Attempted Arson		7
Code Not Defined		1
<b>Incendiary Total:</b>		<b>1376</b>

<b>Fire Category:</b>		<b>Motors</b>
<b>Cause of Fire</b>		<b>Count</b>
Motors - Fan		9
Other Motor		13
Motors - Electric		17
Motors - Fossil Fuel Powered		46
Motors - Compressors		5
Motors - Elevator		5
<b>Motors Total:</b>		<b>95</b>

<b>Fire Category:</b>		<b>Natural Sources</b>
<b>Cause of Fire</b>		<b>Count</b>
Spontaneous Combustion		40
Lightning		4
Solar Rays		3
<b>Natural Sources Total:</b>		<b>47</b>

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## Summary of Fire Causes

For the period 1/1/2019 through 12/31/2019

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Fire Category:	Open Flame	
Cause of Fire		Count
Candle		178
Torch - Legal Use of		67
Child Playing w/Matches/Lighter		30
Other - Open Flame		43
Matches/Lighter		21
Fireplace		3
Aerosol Can		3
Child Playing w/ Other Open Flame		3
<b>Open Flame Total:</b>		<b>348</b>

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Fire Category:	Other	
Cause of Fire		Count
Other		50
Exothermic Chemical Reaction		21
Not Ascertained		12
Rekindle		3
<b>Other Total:</b>		<b>86</b>

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Fire Category:	Smoking	
Cause of Fire		Count
Smoking (Cigarette/Cigar)		556
<b>Smoking Total:</b>		<b>556</b>

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<b>Grand Total:</b>		<b>4365</b>
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# **Bureau of Fire Investigation**

## **Investigative Management and Reporting System**



# **2019**

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# **Incendiary Fires**



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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Summary of Incendiary Fires by Borough

For the period 1/1/2019 through 12/31/2019



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Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Incendiary Fires
<b>Bronx</b>	303	11	<b>314</b>	48	29	<b>391</b>
<b>Brooklyn</b>	254	9	<b>263</b>	75	38	<b>376</b>
<b>Manhattan</b>	257	1	<b>258</b>	36	26	<b>320</b>
<b>Queens</b>	122	4	<b>126</b>	67	38	<b>231</b>
<b>Staten Island</b>	33	7	<b>40</b>	10	8	<b>58</b>
<b>Totals:</b>	<b>969</b>	<b>32</b>	<b>1001</b>	<b>236</b>	<b>139</b>	<b>1376</b>

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# Bureau Of Fire Investigation

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## Summary of Incendiary Fires by Borough and Community Board

For the period 1/1/2019 through 12/31/2019

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Incendiary Fires
<b>Bronx</b>						
CB						
01	63	2	65	4	5	74
02	10	0	10	7	5	22
03	39	1	40	8	5	53
04	19	2	21	4	1	26
05	17	1	18	1	0	19
06	37	0	37	0	0	37
07	10	0	10	3	1	14
08	13	0	13	2	1	16
09	41	2	43	10	2	55
10	15	0	15	3	1	19
11	16	1	17	0	7	24
12	23	2	25	6	1	32
Bronx CB Total	303	11	314	48	29	391

# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Summary of Incendiary Fires by Borough and Community Board

For the period 1/1/2019 through 12/31/2019

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Incendiary Fires
<b>Brooklyn</b>						
CB						
01	19	0	19	10	3	32
02	24	0	24	3	3	30
03	31	1	32	5	3	40
04	13	2	15	3	1	19
05	38	3	41	17	7	65
06	7	0	7	3	6	16
07	4	0	4	3	0	7
08	15	0	15	1	2	18
09	8	1	9	1	0	10
10	4	0	4	4	2	10
11	7	0	7	3	0	10
12	6	0	6	1	0	7
13	16	0	16	2	2	20
14	9	0	9	1	1	11
15	3	0	3	0	1	4
16	30	0	30	7	3	40
17	7	0	7	6	1	14
18	13	2	15	5	3	23
Brooklyn CB Total	254	9	263	75	38	376

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## Summary of Incendiary Fires by Borough and Community Board

For the period 1/1/2019 through 12/31/2019

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Incendiary Fires
<b>Manhattan</b>						
CB						
01	12	0	12	2	2	16
02	5	0	5	0	2	7
03	29	0	29	6	3	38
04	11	0	11	4	0	15
05	10	0	10	6	2	18
06	9	0	9	1	1	11
07	25	0	25	2	2	29
08	14	0	14	0	2	16
09	18	0	18	1	3	22
10	45	1	46	5	4	55
11	63	0	63	0	3	66
12	10	0	10	9	1	20
15	1	0	1	0	0	1
Out of NYC	5	0	5	0	1	6
Manhattan CB Total	257	1	258	36	26	320

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## Summary of Incendiary Fires by Borough and Community Board

For the period 1/1/2019 through 12/31/2019

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Incendiary Fires
<b>Queens</b>						
CB						
01	17	0	17	2	1	20
02	8	1	9	1	1	11
03	9	0	9	10	1	20
04	8	0	8	4	5	17
05	6	0	6	3	2	11
06	2	0	2	4	3	9
07	3	0	3	6	2	11
08	5	0	5	2	2	9
09	7	0	7	7	0	14
10	5	0	5	3	3	11
11	1	1	2	1	3	6
12	26	2	28	13	6	47
13	8	0	8	3	3	14
14	17	0	17	8	4	29
Out of NYC	0	0	0	0	2	2
Queens CB Total	122	4	126	67	38	231



# Bureau Of Fire Investigation

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## Summary of Incendiary Fires by Borough and Community Board

For the period 1/1/2019 through 12/31/2019

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Incendiary Fires
<b>Staten Island</b>						
CB						
01	22	5	27	3	3	33
02	6	1	7	5	1	13
03	5	1	6	2	4	12
Staten Island CB Total	33	7	40	10	8	58
<b>Grand Total All Boroughs</b>	969	32	1001	236	139	1376



# **Bureau of Fire Investigation**

## **Investigative Management and Reporting System**



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# **Accidental Fires**



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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Summary of Accidental Fires by Borough

For the period 1/1/2019 through 12/31/2019



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Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Accidental Fires
<b>Bronx</b>	528	4	<b>532</b>	25	40	<b>597</b>
<b>Brooklyn</b>	823	4	<b>827</b>	56	57	<b>940</b>
<b>Manhattan</b>	554	2	<b>556</b>	14	48	<b>618</b>
<b>Queens</b>	592	7	<b>599</b>	39	50	<b>688</b>
<b>Staten Island</b>	123	1	<b>124</b>	8	12	<b>144</b>
<b>Borough Not Defined</b>	0	0	<b>0</b>	0	1	<b>1</b>
<b>Totals:</b>	<b>2620</b>	<b>18</b>	<b>2638</b>	<b>142</b>	<b>208</b>	<b>2988</b>

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# Bureau Of Fire Investigation

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## Summary of Accidental Fires by Borough and Community Board

For the period 1/1/2019 through 12/31/2019

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Accidental Fires
<b>Bronx</b>						
CB						
01	49	1	50	1	5	56
02	26	0	26	3	2	31
03	40	0	40	0	4	44
04	49	1	50	1	2	53
05	51	1	52	3	3	58
06	51	0	51	1	4	56
07	45	0	45	1	1	47
08	32	0	32	2	0	34
09	52	0	52	5	3	60
10	31	0	31	2	7	40
11	30	0	30	3	4	37
12	72	1	73	3	5	81
Bronx CB Total	528	4	532	25	40	597

# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Summary of Accidental Fires by Borough and Community Board

For the period 1/1/2019 through 12/31/2019

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Accidental Fires
<b>Brooklyn</b>						
CB						
01	62	0	62	7	10	79
02	41	0	41	2	4	47
03	78	0	78	2	5	85
04	42	0	42	2	4	48
05	87	1	88	9	5	102
06	31	1	32	1	2	35
07	29	0	29	0	0	29
08	29	0	29	1	5	35
09	45	0	45	0	2	47
10	19	0	19	7	1	27
11	28	0	28	1	0	29
12	55	0	55	1	6	62
13	25	0	25	1	0	26
14	53	0	53	2	1	56
15	34	0	34	4	1	39
16	45	0	45	2	1	48
17	54	0	54	5	1	60
18	64	2	66	9	9	84
Out of NYC	2	0	2	0	0	2
Brooklyn CB Total	823	4	827	56	57	940

# Bureau Of Fire Investigation

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## Summary of Accidental Fires by Borough and Community Board

For the period 1/1/2019 through 12/31/2019

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Accidental Fires
<b>Manhattan</b>						
CB						
01	27	2	29	1	6	36
02	33	0	33	1	6	40
03	52	0	52	3	0	55
04	52	0	52	0	5	57
05	64	0	64	4	8	76
06	32	0	32	0	4	36
07	52	0	52	0	2	54
08	58	0	58	1	2	61
09	25	0	25	0	1	26
10	56	0	56	1	3	60
11	49	0	49	1	7	57
12	50	0	50	1	2	53
Out of NYC	4	0	4	1	2	7
Manhattan CB Total	554	2	556	14	48	618

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## Summary of Accidental Fires by Borough and Community Board

For the period 1/1/2019 through 12/31/2019

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Accidental Fires
<b>Queens</b>						
CB						
01	57	0	57	6	8	71
02	24	0	24	3	4	31
03	25	1	26	1	3	30
04	41	0	41	4	3	48
05	45	0	45	1	3	49
06	13	0	13	1	1	15
07	47	0	47	2	6	55
08	36	0	36	3	3	42
09	35	0	35	1	1	37
10	31	1	32	1	0	33
11	19	0	19	2	1	22
12	86	3	89	7	7	103
13	85	0	85	5	3	93
14	42	2	44	0	7	51
17	0	0	0	1	0	1
Out of NYC	6	0	6	1	0	7
Queens CB Total	592	7	599	39	50	688



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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Summary of Accidental Fires by Borough and Community Board

For the period 1/1/2019 through 12/31/2019

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Accidental Fires
<b>Staten Island</b>						
CB						
01	60	1	61	3	3	67
02	19	0	19	1	4	24
03	43	0	43	4	5	52
Out of NYC	1	0	1	0	0	1
Staten Island CB Total	123	1	124	8	12	144
<b>Grand Total All Boroughs</b>	2621	18	2639	142	208	2989

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## Summary of Accidental Fires by Borough and Community Board

For the period 1/1/2019 through 12/31/2019

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Accidental Fires
<b>Borough Not Defined</b>						
CB						
CB Not Defined	0	0	0	0	1	1
No Borough CB Total	0	0	0	0	1	1

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## Summary of Accidental Fires by Borough and Community Board

For the period 1/1/2019 through 12/31/2019

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Accidental Fires
<b>Outside of NYC</b>						
CB						
Out of NYC	1	0	1	0	0	1
Outside of NYC CB Total	1	0	1	0	0	1



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## **on**

# **Civilian Fire Fatalities**



Veritas ex Cineribus

**Bureau of Fire Investigation  
Investigative Management and Reporting System  
Fire Fatalities  
Period: January 1, 2019- December 31, 2019**



The Bureau of Fire Investigation (BFI) investigates all fires where a civilian injury is reported or a 10-45 code is transmitted. A "BFI 10-45 Report" is completed for every injury or fatality. The information from this report is then entered into a database similar to the NYFIRS program. The program automatically updates with each entry.

All fire deaths are counted in the month and year in which the death occurs, **not** the month or year in which the fire occurred. If a fire takes place in March and the victim dies in June, the death is recorded in June. If a fire takes place in November and the victim dies the following year in January, the death is recorded in January of the New Year.

When a fire victim dies, the Medical Examiner's Office requires a Fire Marshal's report in order to determine the manner of death (accidental, suicide, homicide, other).

In some cases the Medical Examiner will determine that the victim actually died prior to the fire. In that case the victim will **not** be counted as a fire death. Some examples of this are:

A murder victim is set on fire in an attempt to cover-up the crime—**not a fire death**.

A victim goes into cardiac arrest while cooking food on the stove that causes a fire—**not a fire death**.

A victim of an automobile accident where the car bursts into flames—Medical Examiner determines trauma, **not a fire death**.

There are also many cases in which a fire death is initially deemed a 10-45 Code 4 (minor injury), and it is only after the Medical Examiner's Office contacts the Bureau of Fire Investigation for the Fire Marshals report that the victim is determined to be a fire death. This occasionally happens when:

A person suffering from smoke inhalation or burns leaves the fire scene before the arrival of medical/fire personnel and then dies elsewhere—**fire death**.

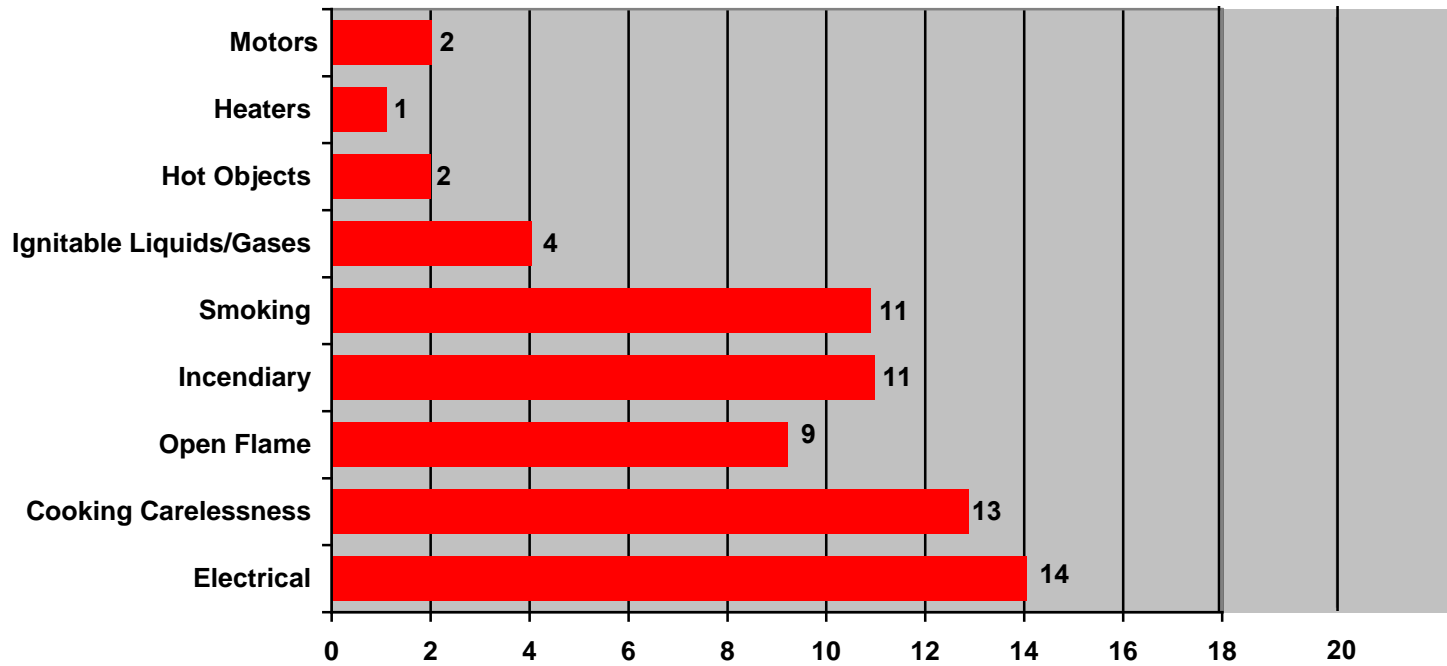
A person who may live alone and dies as a result of a fire confined to him or herself. The deceased victim is found sometime later by a friend or relative. The call generates a CFR-D or ambulance response—**fire death**.

In these times of modern medicine, forensic science and advanced technology, we are confident that all fire deaths are being recorded as such and counted accurately.

**There were 67 Civilian Fire Deaths In New York City in 2019**



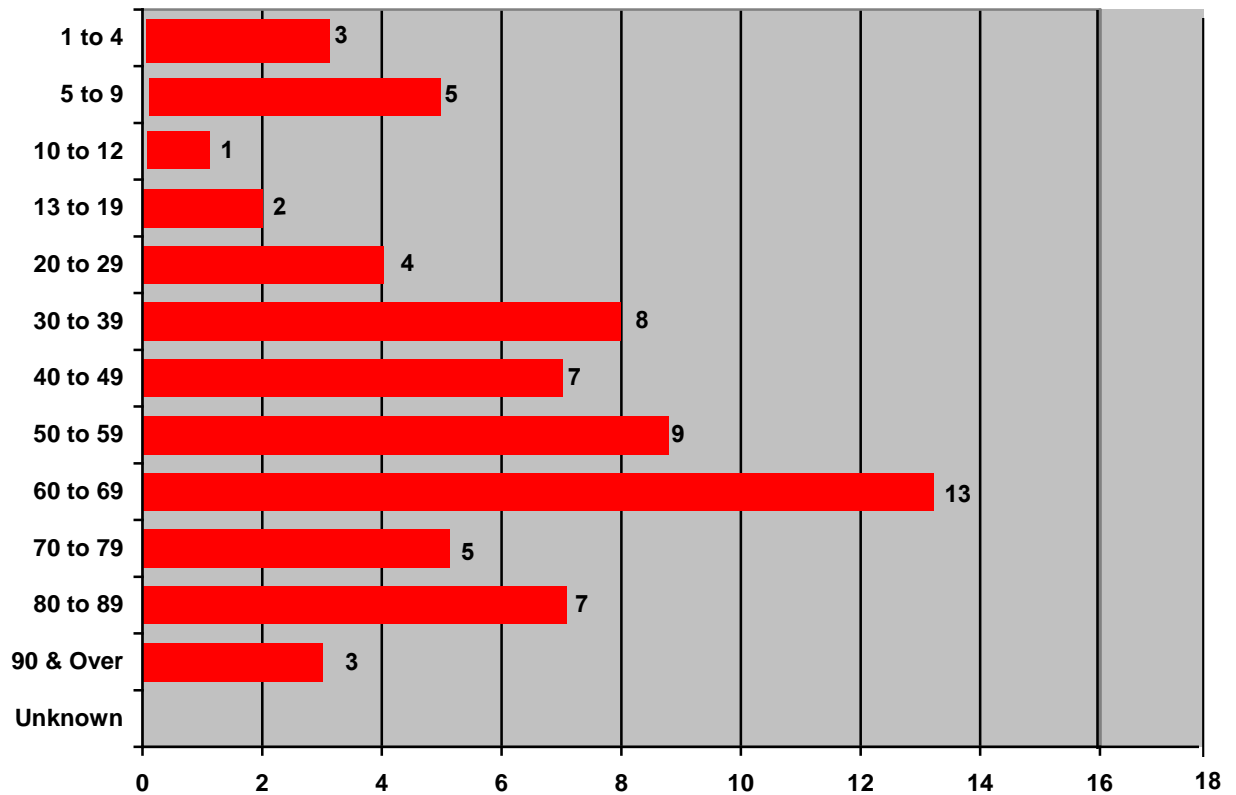
### SUMMARY OF FIRE FATALITIES, FIRE CAUSES



Bureau of Fire Investigation  
Investigative Management and Reporting System  
**SUMMARY OF FIRE FATALITIES BY AGE**  
Period: January 1, 2019 through December 31, 2019

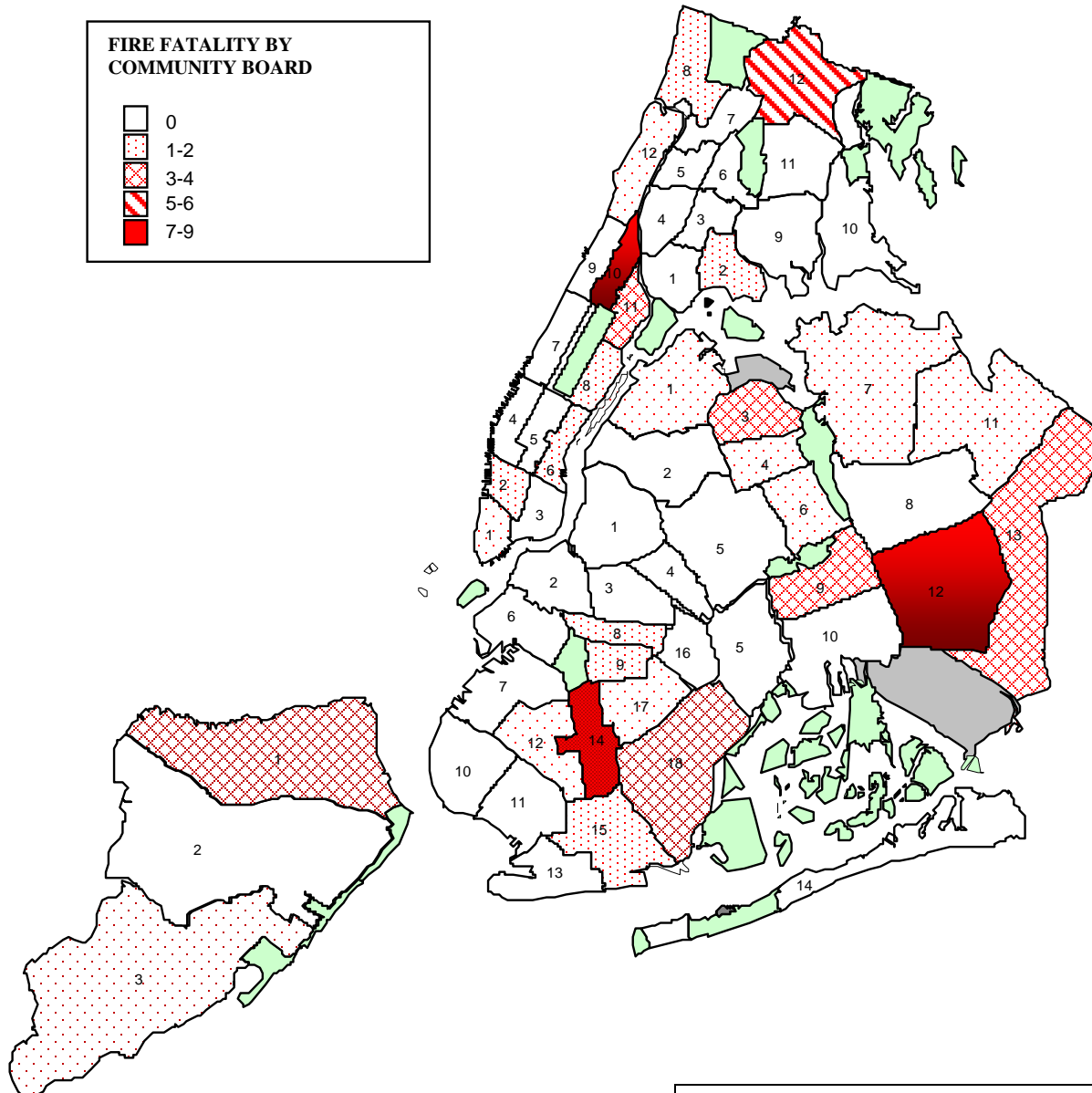
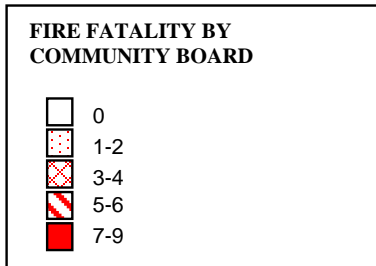


**SUMMARY OF FATALITIES BY AGE**





Bureau of Fire Investigation  
 Investigative Management and Reporting System  
**FATALITIES BY COMMUNITY BOARD AND BOROUGH**  
 Period: January 1, 2019 through December 31, 2019



**FIRE FATALITIES BY BOROUGH**

<b>Bronx:</b>	9
<b>Brooklyn:</b>	8
<b>Manhattan:</b>	18
<b>Queens:</b>	28
<b>Staten Island :</b>	4
<b>Citywide Total:</b>	67

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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Fatalities by Borough

For the period 1/1/2014 through 12/31/2019



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Borough	Calendar Year					
	2014	2015	2016	2017	2018	2019
Bronx	9	3	17	24	17	9
Brooklyn	22	30	14	18	28	8
Manhattan	25	6	5	12	13	18
Queens	15	14	10	15	27	28
Staten Island	0	6	2	4	3	4
Totals:	71	59	48	73	88	67

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Annual Comparison of Fire Fatalities by Cause

For the period 1/1/2014 through 12/31/2019

Cause of Fire	Calendar Year					
	2014	2015	2016	2017	2018	2019
Appliance Cord	1	2	0	1	1	0
Ballast	0	1	0	0	0	0
Barbecue - Wood/Charcoal	0	0	0	2	0	0
Candle	3	1	0	6	8	6
Child Playing w/ Other Open Flame	0	0	0	12	1	0
Child Playing w/Matches/Lighter	2	0	0	0	0	0
Cooking Fire Extending to Clothing or Combustibles	3	0	6	3	5	2
Electrical Wiring	10	9	7	7	19	13
Extension Cord	4	4	5	3	3	1
Fireplace	1	1	0	0	0	0
Food on the Stove	3	0	1	1	1	0
Heat from Light Bulb	0	0	0	0	2	0
Ignitable Liquids/Gases - Gasoline	1	0	0	0	1	2
Ignitable Liquids/Gases - Lighter Fluid	1	0	0	0	0	0
Ignitable Liquids/Gases - Natural Gas	8	2	0	1	0	1
Incendiary	1	1	1	0	4	7
Incendiary - Attempted Suicide	0	1	1	0	0	0
Incendiary - Combustible Material	1	0	0	2	2	0
Incendiary - Explosives	0	0	0	1	0	0
Incendiary - Ignitable Liquid	1	3	0	0	3	2
Incendiary - Reckless Use of Open Flame	0	0	0	2	1	0
Incendiary - Self Immolation	0	2	1	0	1	2
Incendiary - Suicide	1	1	0	1	1	0
Incense	0	0	2	2	1	1
Lighting Fixture	0	0	0	1	0	0
Matches/Lighter	1	0	1	0	1	2
Motors - Compressors	0	0	0	0	2	0
Motors - Fossil Fuel Powered	1	0	0	1	0	2
Not Ascertained	2	2	1	5	0	0

# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Annual Comparison of Fire Fatalities by Cause

For the period 1/1/2014 through 12/31/2019

Cause of Fire	Calendar Year					
	2014	2015	2016	2017	2018	2019
Other	0	0	0	0	1	0
Other - Electrical	2	1	2	2	1	0
Other - Hot Objects	1	7	1	0	2	1
Other - Ignitable Liquid/Gas	1	0	0	0	0	1
Other - Liquid	0	1	0	0	0	0
Other - Open Flame	5	2	2	1	2	0
Permanent Heater - Electric	0	0	0	0	2	0
Portable Heater	0	0	0	1	0	0
Portable Heater - Electric	0	2	0	3	2	1
Portable Heater - Kerosene	0	0	1	0	0	0
Power Strip	0	0	0	0	2	0
Smoking (Cigarette/Cigar)	12	12	12	13	18	11
Stove/Cooking - Electric	0	0	1	0	0	0
Stove/Cooking - Other	2	0	1	2	1	9
Stove/Cooking - Stove	3	4	1	0	0	2
Torch - Legal Use of	0	0	0	0	0	1
Vehicle Wiring	0	0	1	0	0	0
<b>Grand Total All Causes</b>	<b>71</b>	<b>59</b>	<b>48</b>	<b>73</b>	<b>88</b>	<b>67</b>

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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Fatalities by Category & Cause

For the period 1/1/2019 through 12/31/2019

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### Fire Category:      **Cooking Carelessness**

Cause of Fire	Count
Cooking Fire Extending to Clothing or Combustibles	2
Stove/Cooking - Other	9
Stove/Cooking - Stove	2
<b>Cooking Carelessness Total</b>	<b>13</b>

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### Fire Category:      **Electrical**

Cause of Fire	Count
Electrical Wiring	13
Extension Cord	1
<b>Electrical Total</b>	<b>14</b>

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### Fire Category:      **Heaters**

Cause of Fire	Count
Portable Heater - Electric	1
<b>Heaters Total</b>	<b>1</b>

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### Fire Category:      **Hot Objects**

Cause of Fire	Count
Incense	1
Other - Hot Objects	1
<b>Hot Objects Total</b>	<b>2</b>

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### Fire Category:      **Ignitable**

Cause of Fire	Count
Ignitable Liquids/Gases - Gasoline	2
Ignitable Liquids/Gases - Natural Gas	1
Other - Ignitable Liquid/Gas	1
<b>Ignitable Total</b>	<b>4</b>

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Fire Fatalities by Category & Cause

For the period 1/1/2019 through 12/31/2019

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### Fire Category: Incendiary

Cause of Fire	Count
Incendiary	7
Incendiary - Ignitable Liquid	2
Incendiary - Self Immolation	2
<b>Incendiary Total</b>	<b>11</b>

### Fire Category: Motors

Cause of Fire	Count
Motors - Fossil Fuel Powered	2
<b>Motors Total</b>	<b>2</b>

### Fire Category: Open Flame

Cause of Fire	Count
Candle	6
Matches/Lighter	2
Torch - Legal Use of	1
<b>Open Flame Total</b>	<b>9</b>

### Fire Category: Smoking

Cause of Fire	Count
Smoking (Cigarette/Cigar)	11
<b>Smoking Total</b>	<b>11</b>

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<b>Grand Total:</b>	<b>67</b>
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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Summary of Fire Fatalities by CB and Borough

For the period 1/1/2019 through 12/31/2019



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CB	Bronx	Brooklyn	Manhattan	Queens	Staten Island
01	0	0	2	1	3
02	1	0	1	0	0
03	0	0	0	4	1
04	0	0	0	2	0
06	2	0	2	1	0
07	0	0	0	2	0
08	1	1	1	0	0
09	0	1	0	3	0
10	0	0	7	0	0
11	0	0	4	2	0
12	5	1	1	9	0
13	0	0	0	4	0
17	0	1	0	0	0
18	0	4	0	0	0
<b>Sum Total:</b>	<b>9</b>	<b>8</b>	<b>18</b>	<b>28</b>	<b>4</b>
<b>Total Fire Fatalities:</b>	<b>67</b>				

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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Monthly Fire Fatalities by Borough

For the period 1/1/2019 through 12/31/2019

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For Calendar Year 2019

		Bronx	Brooklyn	Manhattan	Queens	Staten Island	Totals
<b>January</b>	2019	0	1	4	5	0	10
<b>February</b>	2019	1	1	0	1	2	5
<b>March</b>	2019	1	0	2	1	1	5
<b>April</b>	2019	1	0	0	0	1	2
<b>May</b>	2019	0	1	8	3	0	12
<b>June</b>	2019	2	2	0	2	0	6
<b>July</b>	2019	0	0	0	8	0	8
<b>August</b>	2019	1	0	2	1	0	4
<b>September</b>	2019	2	1	0	2	0	5
<b>October</b>	2019	0	1	1	0	0	2
<b>November</b>	2019	0	0	0	5	0	5
<b>December</b>	2019	1	1	1	0	0	3
<b>Totals:</b>		<b>9</b>	<b>8</b>	<b>18</b>	<b>28</b>	<b>4</b>	<b>67</b>

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Fire Fatalities by Hour of Occurrence and Borough

For the period 1/1/2019 through 12/31/2019

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For Calendar Year 2019

	Bronx	Brooklyn	Manhattan	Queens	Staten Island	Totals
0000 - 0059	0	4	0	0	0	4
0100 - 0159	2	0	6	1	0	9
0200 - 0259	1	1	0	3	0	5
0300 - 0359	0	1	2	0	0	3
0400 - 0459	1	0	0	0	0	1
0500 - 0559	0	0	3	0	1	4
0600 - 0659	2	0	0	0	0	2
0700 - 0759	0	1	0	0	1	2
0800 - 0859	0	0	0	0	0	0
0900 - 0959	0	0	0	3	0	3
1000 - 1059	0	0	2	0	0	2
1100 - 1159	1	0	1	0	1	3
1200 - 1259	0	0	1	0	0	1
1300 - 1359	0	0	0	2	0	2
1400 - 1459	0	0	1	0	0	1
1500 - 1559	1	1	1	2	0	5
1600 - 1659	0	0	0	5	0	5
1700 - 1759	0	0	0	0	0	0
1800 - 1859	0	0	0	1	1	2
1900 - 1959	0	0	0	0	0	0
2000 - 2059	0	0	0	4	0	4
2100 - 2159	0	0	0	0	0	0
2200 - 2259	1	0	1	1	0	3
2300 - 2359	0	0	0	6	0	6
Unknown	0	0	0	0	0	0
<b>Totals:</b>	<b>9</b>	<b>8</b>	<b>18</b>	<b>28</b>	<b>4</b>	<b>67</b>

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Fire Fatalities by Race/Ethnicity and Occupancy

For the period 1/1/2019 through 12/31/2019

Occupancy Type	CAUCASIAN	ASIAN	HISPANIC	BLACK	OTHER	WHITE	Unknown
Burn Notification	0	0	0	1	0	0	0
Commercial Structure	0	0	1	0	0	0	0
MD Residential Structure	0	1	1	14	1	5	10
Other	1	0	0	0	0	0	1
PD Residential Structure	0	0	8	5	1	3	8
Vehicle	0	0	1	1	0	0	4
<b>Sub-Totals:</b>	1	1	11	21	2	8	23
<b>Total Fire Fatalities:</b>	<b>67</b>						

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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Fatalities by Age and Gender

For the period 1/1/2019 through 12/31/2019

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Victim Age	Female	Male	Totals
01-04	2	1	3
05-09	3	2	5
10-12	1	0	1
13-19	0	2	2
20-29	1	3	4
30-39	1	7	8
40-49	5	2	7
50-59	4	5	9
60-69	9	4	13
70-79	2	3	5
80-89	5	2	7
90-Over	2	1	3
Unknown	0	0	0
<b>TOTALS</b>	<b>35</b>	<b>32</b>	<b>67</b>

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Fire Fatalities Related to Vehicles

For the period 1/1/2019 through 12/31/2019

### Electrical

Cause of Fire	Vehicle Fires	Motor Vehicle Accidents
Electrical Wiring	0	0
<b>Electrical Total:</b>	<b>0</b>	

### Ignitable

Cause of Fire	Vehicle Fires	Motor Vehicle Accidents
Ignitable Liquids/Gases - Gasoline	2	0
<b>Ignitable Total:</b>	<b>2</b>	

### Incendiary

Cause of Fire	Vehicle Fires	Motor Vehicle Accidents
Incendiary - Ignitable Liquid	1	0
Incendiary - Self Immolation	1	0
<b>Incendiary Total:</b>	<b>2</b>	

### Motors

Cause of Fire	Vehicle Fires	Motor Vehicle Accidents
Motors - Fossil Fuel Powered	2	2
<b>Motors Total:</b>	<b>2</b>	

<b>Grand Total:</b>	<b>6</b>	<b>2</b>
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Of the 6 fire fatalities related to vehicles, 2 were the result of the motor vehicle accidents.

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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Smoke Detectors and Civilian Fire Fatalities

For the period 1/1/2015 through 12/31/2019

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<b>For Calendar Year 2019</b>	Smoke Detector Present:	26
	Working:	17
	Not Present:	22
	Not Applicable:	7
	Present Unknown if operational:	6
	Unknown	6
	<b>Total</b>	<b>67</b>
<hr/>		
<b>For Calendar Year 2018</b>	Smoke Detector Present:	38
	Working:	23
	Not Present:	23
	Not Applicable:	6
	Present Unknown if operational:	11
	Unknown	10
	<b>Total</b>	<b>88</b>
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<b>For Calendar Year 2017</b>	Smoke Detector Present:	45
	Working:	31
	Not Present:	18
	Not Applicable:	3
	Present Unknown if operational:	5
	Unknown	2
	<b>Total</b>	<b>73</b>
<hr/>		
<b>For Calendar Year 2016</b>	Smoke Detector Present:	25
	Working:	14
	Not Present:	11
	Not Applicable:	4
	Present Unknown if operational:	3
	Unknown	5
	<b>Total</b>	<b>48</b>
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<b>For Calendar Year 2015</b>	Smoke Detector Present:	19
	Working:	11
	Not Present:	9
	Not Applicable:	1
	Present Unknown if operational:	21
	Unknown	9
	<b>Total</b>	<b>59</b>

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# **Bureau of Fire Investigation**

## **Investigative Management and Reporting System**



# **2019**

# **Annual Report**

## **on**

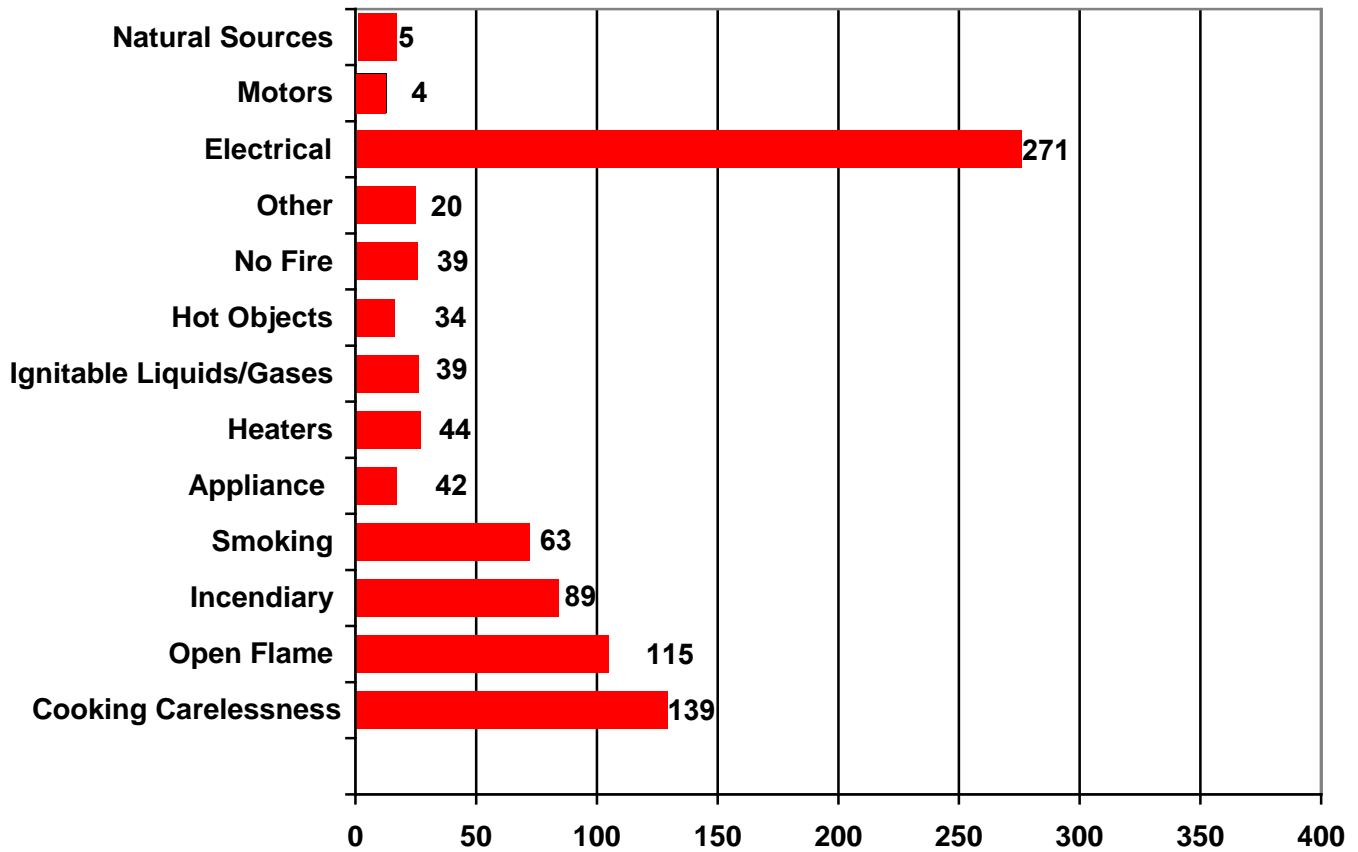
# **Civilian Fire Injuries**



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### SUMMARY OF INJURIES FIRE CATEGORIES

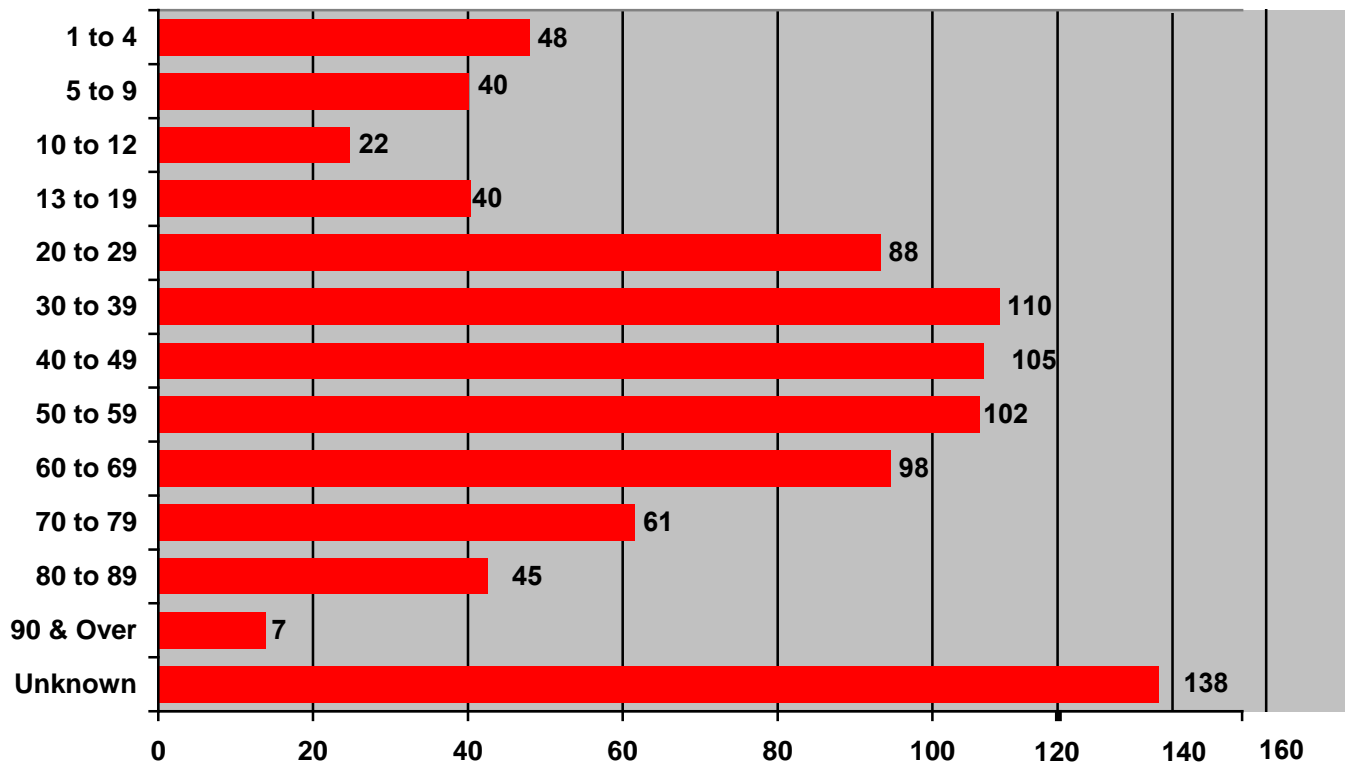




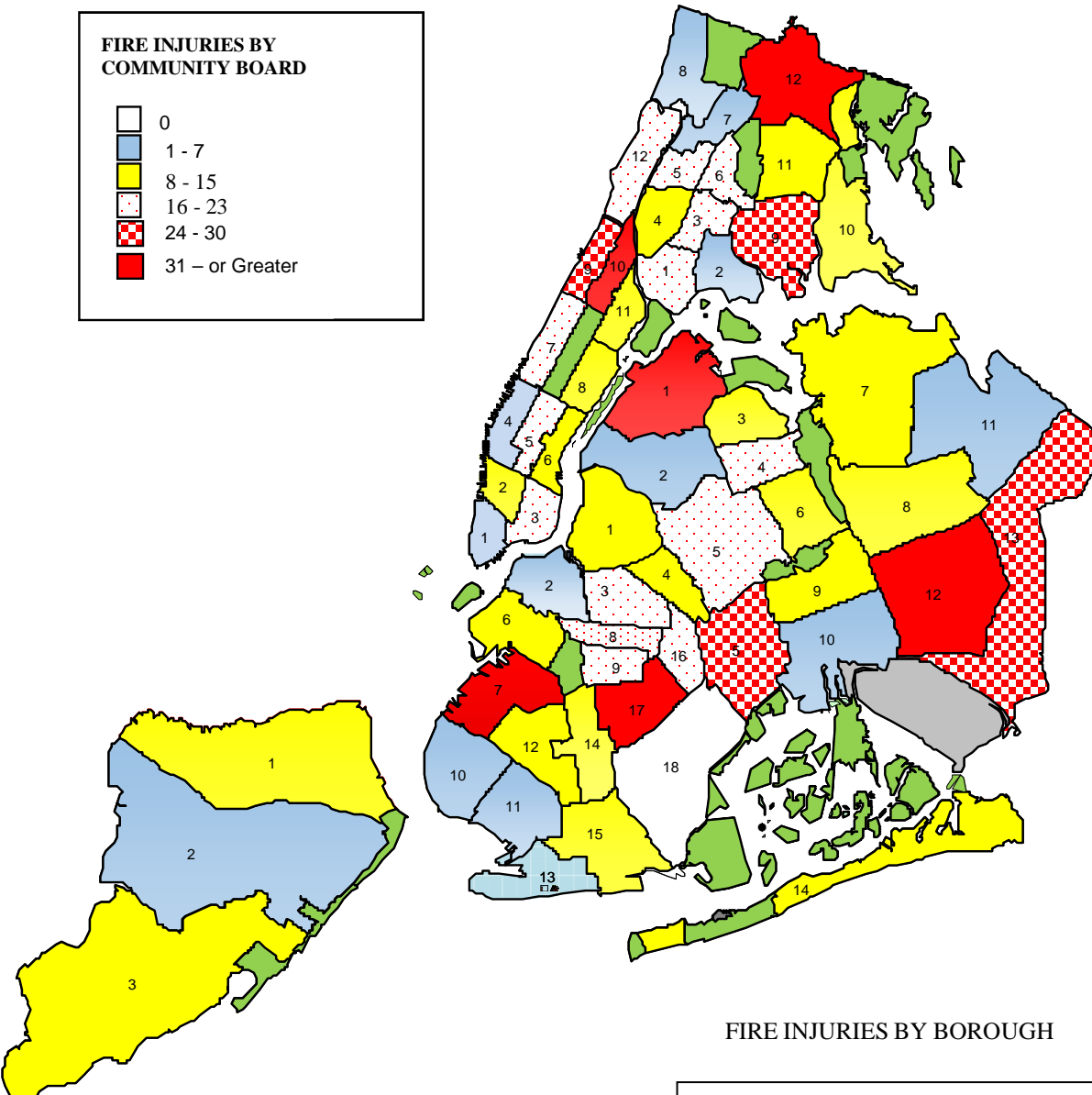
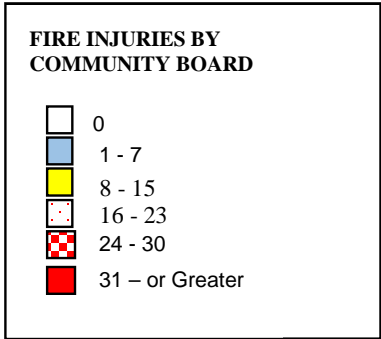
Bureau of Fire Investigation  
Investigative Management and Reporting System  
**SUMMARY OF INJURIES BY AGE**  
Period: January 1, 2019 through December 31, 2019



**SUMMARY OF INJURIES BY AGE**



**Bureau of Fire Investigation**  
**Investigative Management and Reporting System**  
**INJURIES BY COMMUNITY BOARD AND BOROUGH**  
 Period: January 1, 2019 through December 31, 2019



FIRE INJURIES BY BOROUGH

FIRE INJURIES BY BOROUGH	
Bronx:	189
Brooklyn:	283
Manhattan:	171
Queens:	224
Staten Island:	37
<b>Citywide Total:</b>	<b>904</b>

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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Injuries by Borough

For the period 1/1/2014 through 12/31/2019



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Borough	Calendar Year					
	2014	2015	2016	2017	2018	2019
Bronx	180	252	211	264	249	189
Brooklyn	351	363	282	317	273	283
Manhattan	177	175	205	202	224	171
Queens	202	229	257	238	218	224
Staten Island	67	62	46	53	35	37
<b>Totals:</b>	<b>977</b>	<b>1081</b>	<b>1001</b>	<b>1074</b>	<b>999</b>	<b>904</b>

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Annual Comparison of Fire Injuries by Cause

For the period 1/1/2014 through 12/31/2019

Cause of Fire	Calendar Year					
	2014	2015	2016	2017	2018	2019
Electrocution - Electrical Burns to Person	3	1	0	1	2	3
Other - No Fire	4	11	6	12	30	18
Computer Component(s)	6	5	1	5	4	0
Fireworks Related	1	5	4	0	3	2
Carbon Monoxide Incident	0	1	0	1	4	16
DVD/VCR	0	1	0	0	0	0
TV	1	0	0	0	1	0
Other Audio Visual Equipment	0	0	2	2	0	0
Cause of fire Not Defined	0	0	0	1	0	0
Clothes Dryer - Natural Gas	9	11	12	7	7	10
Other Appliance	9	2	7	23	11	15
Stove - Natural Gas	13	9	18	9	7	4
Refrigeration Compressor	1	7	1	1	2	6
Clothes Dryer	0	1	3	5	3	3
Clothes Dryer - Electric	0	6	6	1	4	2
Microwave	1	1	2	2	4	2
Dishwasher	0	2	0	0	0	0
Stove - Wood	0	0	1	0	0	0
Clothes Washer	0	0	2	3	4	0
Stove - Electric	0	0	0	1	0	0
Washer/Dryer Combo	0	0	0	3	0	0
Food on the Stove	69	90	61	54	40	45
Stove/Cooking - Stove	33	32	18	18	10	22
Rangehood Fire - Ductwork	1	3	0	1	3	0
Cooking Fire Extending to Clothing or Combustibles	10	19	13	32	27	34
Stove/Cooking - Other	10	10	28	18	26	29
Stove/Cooking - Electric	3	2	1	4	2	3
Stove/Cooking - Toaster Oven	0	5	0	3	0	0
Stove/Cooking - Fryer	7	3	6	7	6	3

# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Annual Comparison of Fire Injuries by Cause

For the period 1/1/2014 through 12/31/2019

Cause of Fire	Calendar Year					
	2014	2015	2016	2017	2018	2019
Barbecue - Propane	0	1	1	2	3	2
Barbecue - Wood/Charcoal	0	0	0	5	0	1
Electrical Wiring	197	189	184	180	170	139
Extension Cord	54	55	50	45	44	50
Lighting Fixture	4	7	2	1	4	2
Other - Electrical	29	27	38	25	71	34
Hard Wire Outlet	2	6	13	1	8	8
Fuse/Circuit Breaker Panel	19	3	4	2	14	2
Feeder Cable	6	2	5	1	11	6
Vehicle Wiring	3	4	9	0	1	7
Power Strip	22	17	14	42	17	18
Service	1	1	0	0	6	0
Appliance Cord	11	19	10	16	5	2
Ballast	0	3	0	0	0	0
Holiday Lighting	0	5	0	2	0	0
Transformer	0	1	2	0	5	3
Arc Welding	0	0	0	1	0	0
Portable Heater - Electric	13	34	11	30	31	17
Permanent Heater - Electric	1	9	0	4	1	5
Permanent Heater - Gas	8	2	2	0	0	12
Portable Heater	0	4	4	4	1	2
Permanent Heater - Oil	8	3	2	1	1	2
Permanent Heater	1	1	0	4	0	0
Heaters - Other	2	0	2	0	0	5
Portable Heater - Kerosene	0	0	1	0	1	0
Portable Heater - Natural Gas	0	0	0	1	0	0
Portable Heater - Propane	0	0	0	0	0	1
Heat from Light Bulb	4	6	6	2	9	4
Chimney/Flues	6	0	0	1	1	0
Heat From Molten Metal / Slag	7	0	0	6	1	0

# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Annual Comparison of Fire Injuries by Cause

For the period 1/1/2014 through 12/31/2019

Cause of Fire	Calendar Year					
	2014	2015	2016	2017	2018	2019
Other - Hot Objects	16	9	13	11	19	16
Incense	16	3	13	12	14	13
Heat or Sparks from Friction	1	2	0	10	3	1
Hot Embers	0	1	1	1	1	0
Heat from an Iron	0	0	1	0	0	0
Permanent Heater - Steam Radiator (Pyrolysis)	0	0	0	0	1	0
Other - Ignitable Liquid/Gas	10	7	6	5	3	12
Ignitable Liquids/Gases - Natural Gas	38	30	16	7	7	3
Ignitable Liquid- Polyurethane/Varnish/PaintThinner	6	1	1	5	6	0
Other - Liquid	2	4	1	1	4	2
Other - Gas	3	1	0	3	1	1
Ignitable Liquids/Gases - Lighter Fluid	1	1	0	1	0	5
Ignitable Liquids/Gases - Gasoline	6	5	2	6	4	13
Ignitable Liquids/Gases - Pesticide Fogger	0	1	0	8	0	2
Ignitable Liquids/Gases - Propane	0	2	0	0	1	0
Ignitable Liquids/Gases - Fuel Oil	0	0	0	1	2	1
Incendiary	12	48	59	51	93	56
Incendiary - Combustible Material	68	52	31	31	11	18
Incendiary - Ignitable Liquid	2	11	3	3	15	10
Incendiary - Fireworks	0	3	1	2	1	1
Incendiary - Self Immolation	1	0	0	5	0	0
Incendiary - Torch - Illegal Use of	0	3	0	2	0	0
Incendiary - Attempted Suicide	1	0	2	2	3	3
Incendiary - Explosives	0	0	1	4	0	0
Incendiary - Reckless Use of Open Flame	0	0	2	1	1	0
Incendiary - Combustible Gas	0	0	0	0	1	1
Motors - Fossil Fuel Powered	1	3	3	4	1	0
Motors - Elevator	1	0	0	11	5	1
Motors - Fan	0	2	0	0	1	0

# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Annual Comparison of Fire Injuries by Cause

For the period 1/1/2014 through 12/31/2019



Cause of Fire	Calendar Year					
	2014	2015	2016	2017	2018	2019
Motors - Electric	1	0	5	1	5	0
Other Motor	0	1	1	1	0	3
Motors - Compressors	0	0	0	2	0	0
Spontaneous Combustion	1	3	1	5	4	4
Solar Rays	0	0	0	0	0	1
Child Playing w/Matches/Lighter	21	31	29	28	9	30
Matches/Lighter	2	22	29	5	7	9
Other - Open Flame	13	21	14	10	5	8
Candle	67	64	65	108	56	61
Torch - Legal Use of	3	6	8	6	2	3
Fireplace	2	5	0	0	1	0
Aerosol Can	3	9	6	3	1	3
Child Playing w/ Other Open Flame	12	2	1	15	3	1
Exothermic Chemical Reaction	0	3	3	1	2	0
Other	1	5	21	8	3	13
Not Ascertained	2	2	2	1	27	3
SIU Investigation	0	0	1	3	1	0
Juvenile Firesetter Intervention	0	0	1	0	2	4
Under Investigation	0	0	0	1	0	0
Smoking (Cigarette/Cigar)	85	92	106	99	68	63
<b>Grand Total All Causes</b>	<b>977</b>	<b>1081</b>	<b>1001</b>	<b>1074</b>	<b>999</b>	<b>904</b>

# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Injuries by Category & Cause

For the period 1/1/2019 through 12/31/2019



### Fire Category: Appliances

Cause of Fire	Count
Clothes Dryer	3
Clothes Dryer - Electric	2
Clothes Dryer - Natural Gas	10
Microwave	2
Other Appliance	15
Refrigeration Compressor	6
Stove - Natural Gas	4
<b>Appliances Total</b>	<b>42</b>

### Fire Category: Cooking Carelessness

Cause of Fire	Count
Barbecue - Propane	2
Barbecue - Wood/Charcoal	1
Cooking Fire Extending to Clothing or Combustibles	34
Food on the Stove	45
Stove/Cooking - Electric	3
Stove/Cooking - Fryer	3
Stove/Cooking - Other	29
Stove/Cooking - Stove	22
<b>Cooking Carelessness Total</b>	<b>139</b>

### Fire Category: Electrical

Cause of Fire	Count
Appliance Cord	2
Electrical Wiring	139
Extension Cord	50
Feeder Cable	6
Fuse/Circuit Breaker Panel	2
Hard Wire Outlet	8
Lighting Fixture	2
Other - Electrical	34



# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Injuries by Category & Cause

For the period 1/1/2019 through 12/31/2019



### Fire Category: Electrical

Cause of Fire	Count
Power Strip	18
Transformer	3
Vehicle Wiring	7
<b>Electrical Total</b>	<b>271</b>

### Fire Category: Heaters

Cause of Fire	Count
Heaters - Other	5
Permanent Heater - Electric	5
Permanent Heater - Gas	12
Permanent Heater - Oil	2
Portable Heater	2
Portable Heater - Electric	17
Portable Heater - Propane	1
<b>Heaters Total</b>	<b>44</b>

### Fire Category: Hot Objects

Cause of Fire	Count
Heat from Light Bulb	4
Heat or Sparks from Friction	1
Incense	13
Other - Hot Objects	16
<b>Hot Objects Total</b>	<b>34</b>

### Fire Category: Ignitable

Cause of Fire	Count
Ignitable Liquids/Gases - Fuel Oil	1
Ignitable Liquids/Gases - Gasoline	13
Ignitable Liquids/Gases - Lighter Fluid	5
Ignitable Liquids/Gases - Natural Gas	3
Ignitable Liquids/Gases - Pesticide Fogger	2
Other - Gas	1

# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Injuries by Category & Cause

For the period 1/1/2019 through 12/31/2019



### Fire Category: Ignitable

Cause of Fire	Count
Other - Ignitable Liquid/Gas	12
Other - Liquid	2
<b>Ignitable Total</b>	<b>39</b>

### Fire Category: Incendiary

Cause of Fire	Count
Incendiary	56
Incendiary - Attempted Suicide	3
Incendiary - Combustible Gas	1
Incendiary - Combustible Material	18
Incendiary - Fireworks	1
Incendiary - Ignitable Liquid	10
<b>Incendiary Total</b>	<b>89</b>

### Fire Category: Motors

Cause of Fire	Count
Motors - Elevator	1
Other Motor	3
<b>Motors Total</b>	<b>4</b>

### Fire Category: Natural Sources

Cause of Fire	Count
Solar Rays	1
Spontaneous Combustion	4
<b>Natural Sources Total</b>	<b>5</b>

### Fire Category: No Fire

Cause of Fire	Count
Carbon Monoxide Incident	16
Electrocution - Electrical Burns to Person	3
Fireworks Related	2
Other - No Fire	18

# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Injuries by Category & Cause

For the period 1/1/2019 through 12/31/2019



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<b>No Fire Total</b>	<b>39</b>
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### Fire Category: Open Flame

<b>Cause of Fire</b>	<b>Count</b>
Aerosol Can	3
Candle	61
Child Playing w/ Other Open Flame	1
Child Playing w/Matches/Lighter	30
Matches/Lighter	9
Other - Open Flame	8
Torch - Legal Use of	3
<b>Open Flame Total</b>	<b>115</b>

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### Fire Category: Other

<b>Cause of Fire</b>	<b>Count</b>
Juvenile Firesetter Intervention	4
Not Ascertained	3
Other	13
<b>Other Total</b>	<b>20</b>

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### Fire Category: Smoking

<b>Cause of Fire</b>	<b>Count</b>
Smoking (Cigarette/Cigar)	63
<b>Smoking Total</b>	<b>63</b>

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<b>Grand Total:</b>	<b>904</b>
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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Injuries by Borough & Type of Injury

For the period 1/1/2019 through 12/31/2019

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Injury	Bronx	Brooklyn	Manhattan	Queens	Staten Island	Totals
Burns	22	52	36	50	12	172
Carbon Monoxide	3	9	2	6	2	22
Other	28	26	14	19	3	90
RMA	13	37	23	10	0	83
Smoke	118	137	82	128	15	480
Smoke/Burns	2	5	7	6	0	20
Trauma	3	17	7	5	5	37
<b>Sub-Totals:</b>	<b>189</b>	<b>283</b>	<b>171</b>	<b>224</b>	<b>37</b>	<b>904</b>
<b>Citywide Total:</b>	<b>904</b>					

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Summary of Fire Injuries by CB and Borough

For the period 1/1/2019 through 12/31/2019

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CB	Bronx	Brooklyn	Manhattan	Queens	Staten Island
01	17	10	2	35	16
02	2	7	9	7	5
03	20	23	21	12	16
04	14	9	11	22	0
05	21	26	16	18	0
06	21	8	10	12	0
07	4	32	17	14	0
08	7	23	13	14	0
09	26	23	9	8	0
10	11	7	31	4	0
11	9	4	10	4	0
12	37	14	20	39	0
13	0	6	0	24	0
14	0	15	0	9	0
15	0	9	0	0	0
16	0	20	0	0	0
17	0	31	0	0	0
18	0	16	0	0	0
Out of NYC	0	0	2	2	0
<b>Sum Total:</b>	<b>189</b>	<b>283</b>	<b>171</b>	<b>224</b>	<b>37</b>
<b>Total Fire Injuries:</b>	<b>904</b>				

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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Monthly Fire Injuries by Borough

For the period 1/1/2019 through 12/31/2019

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For Calendar Year 2019

		Bronx	Brooklyn	Manhattan	Queens	Staten Island	Totals
January	2019	22	19	13	25	0	79
February	2019	16	31	23	24	4	98
March	2019	43	17	22	40	1	123
April	2019	10	23	12	13	3	61
May	2019	14	14	15	19	4	66
June	2019	29	30	12	11	1	83
July	2019	14	23	12	19	3	71
August	2019	14	24	6	12	2	58
September	2019	8	21	17	15	5	66
October	2019	10	28	20	18	2	78
November	2019	4	19	8	9	8	48
December	2019	5	34	11	19	4	73
<b>Totals:</b>		<b>189</b>	<b>283</b>	<b>171</b>	<b>224</b>	<b>37</b>	<b>904</b>

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Fire Injuries by Hour of Occurrence and Borough

For the period 1/1/2019 through 12/31/2019

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For Calendar Year 2019

	Bronx	Brooklyn	Manhattan	Queens	Staten Island	Totals
0000 - 0059	7	6	11	7	1	32
0100 - 0159	16	16	20	6	0	58
0200 - 0259	6	4	8	10	0	28
0300 - 0359	10	13	8	9	1	41
0400 - 0459	10	21	4	16	0	51
0500 - 0559	8	4	6	5	0	23
0600 - 0659	16	11	1	1	0	29
0700 - 0759	2	2	6	10	2	22
0800 - 0859	3	19	4	4	0	30
0900 - 0959	7	15	3	16	0	41
1000 - 1059	8	6	6	9	1	30
1100 - 1159	6	17	13	5	2	43
1200 - 1259	11	8	10	4	4	37
1300 - 1359	16	26	6	18	1	67
1400 - 1459	3	8	5	8	2	26
1500 - 1559	8	27	10	3	0	48
1600 - 1659	8	9	13	13	1	44
1700 - 1759	8	6	7	16	1	38
1800 - 1859	10	10	8	14	3	45
1900 - 1959	3	18	4	25	6	56
2000 - 2059	5	10	5	6	5	31
2100 - 2159	6	10	2	10	3	31
2200 - 2259	5	13	5	3	2	28
2300 - 2359	7	4	6	6	2	25
Unknown	0	0	0	0	0	0
<b>Totals:</b>	<b>189</b>	<b>283</b>	<b>171</b>	<b>224</b>	<b>37</b>	<b>904</b>

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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Injuries by Age

For the period 1/1/2019 through 12/31/2019

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Victim Age	Totals
01-04	48
05-09	40
10-12	22
13-19	40
20-29	88
30-39	110
40-49	105
50-59	102
60-69	98
70-79	61
80-89	45
90-Over	7
Unknown	138
<b>TOTALS</b>	<b>904</b>

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Fire Injuries Related to Vehicles

For the period 1/1/2019 through 12/31/2019

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### Electrical

Cause of Fire	Vehicle Fires	Motor Vehicle Accidents
Electrical Wiring	1	0
<b>Electrical Total:</b>	<b>1</b>	

### Hot Objects

Cause of Fire	Vehicle Fires	Motor Vehicle Accidents
Other - Hot Objects	1	0
<b>Hot Objects Total:</b>	<b>1</b>	

### Ignitable

Cause of Fire	Vehicle Fires	Motor Vehicle Accidents
Ignitable Liquids/Gases - Gasoline	4	3
Other - Ignitable Liquid/Gas	2	0
<b>Ignitable Total:</b>	<b>6</b>	

### Incendiary

Cause of Fire	Vehicle Fires	Motor Vehicle Accidents
Incendiary	2	0
Incendiary - Ignitable Liquid	1	0
<b>Incendiary Total:</b>	<b>3</b>	

### Motors

Cause of Fire	Vehicle Fires	Motor Vehicle Accidents
Other Motor	2	2
<b>Motors Total:</b>	<b>2</b>	

### Open Flame

Cause of Fire	Vehicle Fires	Motor Vehicle Accidents
Candle	1	0
<b>Open Flame Total:</b>	<b>1</b>	

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Fire Injuries Related to Vehicles

For the period 1/1/2019 through 12/31/2019

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### Other

Cause of Fire	Vehicle Fires	Motor Vehicle Accidents
Other	3	3
<b>Other Total:</b>	<b>3</b>	

### Smoking

Cause of Fire	Vehicle Fires	Motor Vehicle Accidents
Smoking (Cigarette/Cigar)	1	0
<b>Smoking Total:</b>	<b>1</b>	

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<b>Grand Total:</b>	<b>18</b>	<b>8</b>
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Of the 18 fire Injuries related to vehicles, 8 were the result of the motor vehicle accidents.

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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Smoke Detectors and Civilian Fire Injuries

For the period 1/1/2014 through 12/31/2019

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<b>For Calendar Year 2019</b>	Smoke Detector Present:	509
	Working:	419
	Not Present:	104
	Not Applicable:	110
	Present Unknown if operational:	85
	Unknown	96
	<b>Total</b>	<b>904</b>
	<hr/>	
<b>For Calendar Year 2018</b>	Smoke Detector Present:	471
	Working:	394
	Not Present:	115
	Not Applicable:	117
	Present Unknown if operational:	114
	Unknown	182
	<b>Total</b>	<b>999</b>
	<hr/>	
<b>For Calendar Year 2017</b>	Smoke Detector Present:	551
	Working:	402
	Not Present:	125
	Not Applicable:	89
	Present Unknown if operational:	150
	Unknown	159
	<b>Total</b>	<b>1074</b>
	<hr/>	
<b>For Calendar Year 2016</b>	Smoke Detector Present:	544
	Working:	427
	Not Present:	110
	Not Applicable:	62
	Present Unknown if operational:	127
	Unknown	158
	<b>Total</b>	<b>1001</b>
	<hr/>	
<b>For Calendar Year 2015</b>	Smoke Detector Present:	498
	Working:	394
	Not Present:	132
	Not Applicable:	59
	Present Unknown if operational:	165
	Unknown	227
	<b>Total</b>	<b>1081</b>
	<hr/>	
<b>For Calendar Year 2014</b>	Smoke Detector Present:	455
	Working:	340
	Not Present:	122
	Not Applicable:	46
	Present Unknown if operational:	147
	Unknown	207
	<b>Total</b>	<b>977</b>

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# Bureau of Fire Investigation

## Investigative Management and Reporting System



# 2019 Annual Report on Arrests



Veritas ex Cineribus

# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Arrests Summary Report

For the period 1/1/2019 through 12/31/2019

**Total Arrests Recorded at B.F.I.**

523

Arrests by Bureau of Fire Investigation:

<b>Bureau of Fire Investigation Arrests</b>	Total:	319
Arson	209	
Fire Related	15	
Arson Related	16	
MFA	32	
Other	45	
Fireworks Arrest		
Admin	2	

<b>Other Law Enforcement Arrests</b>	Total:	204
Arson (BFI Assist)	23	
Other (BFI Assist)	173	
Arson Related Arrest	8	

<b>Total BFI Arrests and Assists</b>		523
All BFI Arrests	319	
Other L/E Arrests - BFI Assisting	204	

**Total Summons:** 36

Summons	35
Fireworks Summons	1

**Miscellaneous Information:**

- Arrests involving Auto Fires.....
- Juvenile Arrests, under sixteen years of age.....
- Referrals to the Juvenile Unit in lieu of Arrests.....
- Arrests as a result of New York State Burn Law...
- Arrests by City Wide SIU.....
- Arrests by Headquarters CIU.....
- Arrests Involving Fireworks.....

# Bureau Of Fire Investigation

Investigative Management and Reporting System



## BFI Arrests and Assists to L/E by CB and Borough

For the period 1/1/2019 through 12/31/2019

CB	Bronx	Brooklyn	Manhattan	Queens	Staten Island	Out of NYC
01	15	7	4	7	13	0
02	7	10	5	5	7	0
03	20	9	7	15	18	0
04	10	6	7	7	0	0
05	7	26	6	7	0	0
06	6	3	19	1	0	0
07	5	4	9	4	0	0
08	8	5	7	5	0	0
09	42	13	7	2	0	0
10	3	0	22	4	0	0
11	12	5	14	4	0	0
12	14	0	11	18	0	0
13	0	7	0	4	0	0
14	0	11	0	19	0	0
15	0	2	0	0	0	0
16	0	5	0	0	0	0
17	0	2	0	0	0	0
Out of NYC	0	0	1	0	0	0
<b>Sum Total</b>	<b>149</b>	<b>115</b>	<b>119</b>	<b>102</b>	<b>38</b>	<b>0</b>

Total Arrests All Boroughs: 523

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## BFI Arrests by Borough

For the period 1/1/2019 through 12/31/2019

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Arrest Type	Bronx	Brooklyn	Manhattan	Queens	Staten Island	Out of NYC
Arson	65	45	38	38	23	0
MFA	4	2	22	2	2	0
Arson Related	4	6	2	3	1	0
Other	7	15	10	7	6	0
Fire Related	3	4	2	6	0	0
Fireworks Arrest	0	0	0	0	0	0
Admin	1	1	0	0	0	0
Totals	84	73	74	56	32	0

Total Arrests All Boroughs: 319

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## BFI Arrests by CB and Borough

For the period 1/1/2019 through 12/31/2019

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CB	Bronx	Brooklyn	Manhattan	Queens	Staten Island	Out of NYC
01	10	4	1	1	8	0
02	5	6	4	5	6	0
03	16	5	4	11	18	0
04	9	2	3	5	0	0
05	3	19	5	2	0	0
06	5	3	18	0	0	0
07	5	3	7	1	0	0
08	5	4	6	2	0	0
09	9	8	4	0	0	0
10	1	0	5	3	0	0
11	10	5	8	4	0	0
12	6	0	9	12	0	0
13	0	5	0	2	0	0
14	0	4	0	8	0	0
16	0	4	0	0	0	0
17	0	1	0	0	0	0
<b>Sum Total</b>	<b>84</b>	<b>73</b>	<b>74</b>	<b>56</b>	<b>32</b>	<b>0</b>

Total Arrests All Boroughs: 319



# Bureau Of Fire Investigation

Investigative Management and Reporting System

## BFI Arson Arrests by CB and Borough

For the period 1/1/2019 through 12/31/2019



CB	Bronx	Brooklyn	Manhattan	Queens	Staten Island	Out of NYC
01	7	3	0	1	6	0
02	4	3	1	1	3	0
03	15	2	1	9	15	0
04	6	2	2	5	0	0
05	3	16	5	2	0	0
06	5	3	2	0	0	0
07	3	2	4	0	0	0
08	5	4	5	0	0	0
09	7	3	3	0	0	0
10	1	0	5	3	0	0
11	9	5	6	4	0	0
12	4	0	6	6	0	0
13	0	3	0	2	0	0
14	0	2	0	8	0	0
16	0	2	0	0	0	0
17	0	1	0	0	0	0
<b>Sum Total</b>	69	51	40	41	24	0

Total Arrests All Boroughs: 225

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Bronx Community Boards Arrest Breakdown

For the period 1/1/2019 through 12/31/2019

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CB	Arson	Arson L/E	MFA	Other	Other L/E	Fire Related	Admin
01	7	0	1	2	5	0	0
02	4	0	0	0	2	1	0
03	15	3	1	0	1	0	0
04	6	0	0	2	1	0	1
05	3	0	0	0	4	0	0
06	5	0	0	0	1	0	0
07	3	0	1	0	0	1	0
08	5	0	0	0	3	0	0
09	7	3	1	1	30	0	0
10	1	0	0	0	2	0	0
11	9	2	0	0	0	1	0
12	4	2	0	2	6	0	0
<b>Sum Total</b>	<b>69</b>	<b>10</b>	<b>4</b>	<b>7</b>	<b>55</b>	<b>3</b>	<b>1</b>

Total Arrests Bronx: 149

# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Brooklyn Community Boards Arrest Breakdown

For the period 1/1/2019 through 12/31/2019

CB	Arson	Arson L/E	MFA	Other	Other L/E	Fire Related	Admin
01	3	1	0	1	2	0	0
02	3	0	0	1	4	1	1
03	2	0	0	2	4	1	0
04	2	0	0	0	4	0	0
05	16	1	1	2	6	0	0
06	3	0	0	0	0	0	0
07	2	0	0	1	1	0	0
08	4	1	0	0	0	0	0
09	3	0	0	4	5	1	0
11	5	0	0	0	0	0	0
13	3	1	1	1	1	0	0
14	2	0	0	2	7	0	0
15	0	0	0	0	2	0	0
16	2	0	0	1	1	1	0
17	1	0	0	0	1	0	0
<b>Sum Total</b>	<b>51</b>	<b>4</b>	<b>2</b>	<b>15</b>	<b>38</b>	<b>4</b>	<b>1</b>

Total Arrests Brooklyn: 115

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Manhattan Community Boards Arrest Breakdown

For the period 1/1/2019 through 12/31/2019

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CB	Arson	Arson L/E	MFA	Other	Other L/E	Fire Related
01	0	0	1	0	3	0
02	1	0	0	3	1	0
03	1	0	2	1	3	0
04	2	1	1	0	3	0
05	5	1	0	0	0	0
06	2	0	16	0	1	0
07	4	0	0	3	2	0
08	5	0	0	1	1	0
09	3	1	0	1	2	0
10	5	3	0	0	14	0
11	6	1	1	1	5	0
12	6	2	1	0	0	2
Out of NYC	0	1	0	0	0	0
<b>Sum Total</b>	<b>40</b>	<b>10</b>	<b>22</b>	<b>10</b>	<b>35</b>	<b>2</b>

Total Arrests  
Manhattan:

119

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Queens Community Boards Arrest Breakdown For the period 1/1/2019 through 12/31/2019

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CB	Arson	Arson L/E	MFA	Other	Other L/E	Fire Related
01	1	1	0	0	5	0
02	1	0	1	2	0	1
03	9	0	0	1	4	1
04	5	0	0	0	2	0
05	2	0	0	0	5	0
06	0	1	0	0	0	0
07	0	0	0	1	3	0
08	0	0	1	1	3	0
09	0	0	0	0	2	0
10	3	0	0	0	1	0
11	4	0	0	0	0	0
12	6	2	0	2	4	4
13	2	0	0	0	2	0
14	8	2	0	0	9	0
<b>Sum Total</b>	<b>41</b>	<b>6</b>	<b>2</b>	<b>7</b>	<b>40</b>	<b>6</b>

Total Arrests Queens: 102

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Staten Island Community Boards Arrest Breakdown

For the period 1/1/2019 through 12/31/2019

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CB	Arson	Arson L/E	MFA	Other	Other L/E	Fire Related
01	6	1	0	2	4	0
02	3	0	0	3	1	0
03	15	0	2	1	0	0
<b>Sum Total</b>	<b>24</b>	<b>1</b>	<b>2</b>	<b>6</b>	<b>5</b>	<b>0</b>

Total Arrests Staten Island: 38

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Other Law Enforcement Arrests\_BFI Assists by Borough

For the period 1/1/2019 through 12/31/2019

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Arrest Type	Bronx	Brooklyn	Manhattan	Queens	Staten Island	Out of NYC
Arson	10	4	10	6	1	0
Other	55	38	35	40	5	0
<b>Totals</b>	<b>65</b>	<b>42</b>	<b>45</b>	<b>46</b>	<b>6</b>	<b>0</b>

**Total Arrests All Boroughs: 204**

# Bureau Of Fire Investigation

Investigative Management and Reporting System



Other L/E Arrests / BFI Assists by CB and Borough  
For the period 1/1/2019 through 12/31/2019

CB	Bronx	Brooklyn	Manhattan	Queens	Staten Island	Out of NYC
01	5	3	3	6	5	
02	2	4	1		1	
03	4	4	3	4		
04	1	4	4	2		
05	4	7	1	5		
06	1		1	1		
07		1	2	3		
08	3	1	1	3		
09	33	5	3	2		
10	2		17	1		
11	2		6			
12	8		2	6		
13		2		2		
14		7		11		
15		2				
16		1				
17		1				
Out of NYC			1			
Sum Total	65	42	45	46	6	0

Total Arrests All Boroughs: 204