

# Bureau of Fire Investigation

## Investigative Management and Reporting System



# 2016 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  
Robert G. Byrnes**

**Assistant Chief Fire Marshal  
John D. Lynn  
Chief of Operations**

Supervising Fire Marshal  
John P. Watkins  
Program Administrator

Fire Marshal  
Brian Kane  
Medical Examiner Liaison

Computer Associate  
Dean Eliades  
Application Developer

Principal Administrative Associate  
Dana Holland  
Records Management Supervisor



# Bureau of Fire Investigation

## Investigative Management and Reporting System

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Summary of All Investigations by Percentage

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Summary of Fire Causes Investigated by Category

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Summary of Accidental Fires by Borough & Community Board

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Annual Comparison of Fire Injuries by Borough, 2011-2016

Annual Comparison of Fire Injuries by Cause, 2011-2016

Fire Injuries by Category & Cause

Fire Injuries by Borough & Type of Injury

Fire Injuries by Community Board & Borough

Monthly Fire Injuries by Borough

Fire Injuries by Hour of Occurrence & Borough

Fire Injuries by Race/Ethnicity & Occupancy

Fire Injuries by Age & Gender

Fire Injuries Related to Vehicles

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BFI Arrests by Borough

BFI Arrests by Community Board & Borough

BFI Arson Arrests by Community Board & Borough

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Queens Community Boards Arrest Breakdown

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Other Law Enforcement Arrests / BFI Assists by Borough

Other Law Enforcement Arrests / BFI Assists by Community Board & Borough



# **Bureau of Fire Investigation**

## **Investigative Management and Reporting System**



# **2016**

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# **Total Investigations**



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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Summary of Investigations by Type

For the period 1/1/2016 through 12/31/2016

Type of Investigation	Total
<b>Total Fire Investigation:</b>	<b>6906</b>
<b>Total Non Fire Investigation:</b>	<b>1102</b>
Albany Burn Notif. Unrelated to a Fire/Explosion	498
MFA	123
Other - No Fire	135
Juvenile Firesetter Intervention	104
Albany Burn Notif. Related to a Previous BFI Inv.	123
Albany Burn Notif. / Pending Investigation	44
Fireworks Related	24
SIU Investigation	21
Threat to Burn	7
Fraudulent Placard Investigation	3
Juvenile Firesetter Community Outreach	3
Theft from Quarters	1
Electrocution - Electrical Burns to Person	0
Headquarters Investigation	2
Carbon Monoxide Incident	1
Juvenile Firesetter Follow Up	13
Juvenile Firesetter School Visit	0
Fire Category Not Defined	12
<b>Cases Received:</b>	<b>8008</b>
<b>Preliminary Investigation Only:</b>	<b>1656</b>
<b>Total Investigation</b>	<b>6352</b>

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Summary of Fire Investigation Cases by Percentage

For the period 1/1/2016 through 12/31/2016

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Fire Causes	Total
<b>Preliminary Investigation Only</b> Percentage of Investigations Conducted	1656 26.07%
<b>Incendiary</b> Percentage of Investigations Conducted	1582 24.91%
<b>Electrical</b> Percentage of Investigations Conducted	1059 16.67%
<b>Smoking</b> Percentage of Investigations Conducted	1112 17.51%
<b>Albany Burn Notifi. Unrelated to a Fire/Explosion</b> Percentage of Investigations Conducted	498 7.84%
<b>Open Flame</b> Percentage of Investigations Conducted	373 5.87%
<b>Cooking Carelessness</b> Percentage of Investigations Conducted	315 4.96%
<b>No Fire</b> Percentage of Investigations Conducted	173 2.72%
<b>Hot Objects</b> Percentage of Investigations Conducted	248 3.90%
<b>Appliance</b> Percentage of Investigations Conducted	211 3.32%
<b>MFA</b> Percentage of Investigations Conducted	123 1.94%
<b>Juvenile Firesetter Intervention</b> Percentage of Investigations Conducted	104 1.64%
<b>Other</b> Percentage of Investigations Conducted	137 2.16%

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Summary of Fire Investigation Cases by Percentage

For the period 1/1/2016 through 12/31/2016

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<b>Fire Causes</b>	<b>Total</b>
<b>Heaters</b> Percentage of Investigations Conducted	67 1.05%
<b>Albany Burn Notifi. Related to a Previous BFI Inv.</b> Percentage of Investigations Conducted	123 1.94%
<b>Ignitable Liquid/Gas</b> Percentage of Investigations Conducted	50 0.79%
<b>Motors</b> Percentage of Investigations Conducted	90 1.42%
<b>Natural Sources</b> Percentage of Investigations Conducted	32 0.50%
<b>Juvenile Firesetter Community Outreach</b> Percentage of Investigations Conducted	3 0.05%
<b>Electrical Devices</b> Percentage of Investigations Conducted	18 0.28%
<b>Not Ascertained</b> Percentage of Investigations Conducted	9 0.14%
<b>Juvenile Firesetter Follow Up</b> Percentage of Investigations Conducted	13 0.20%
<b>Fire Category Not Defined</b>	12
Cases Received:	8008
Preliminary Investigation Only:	1656
Total Investigation	6352

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# **Bureau of Fire Investigation**

## **Investigative Management and Reporting System**



# **2016**

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## **on**

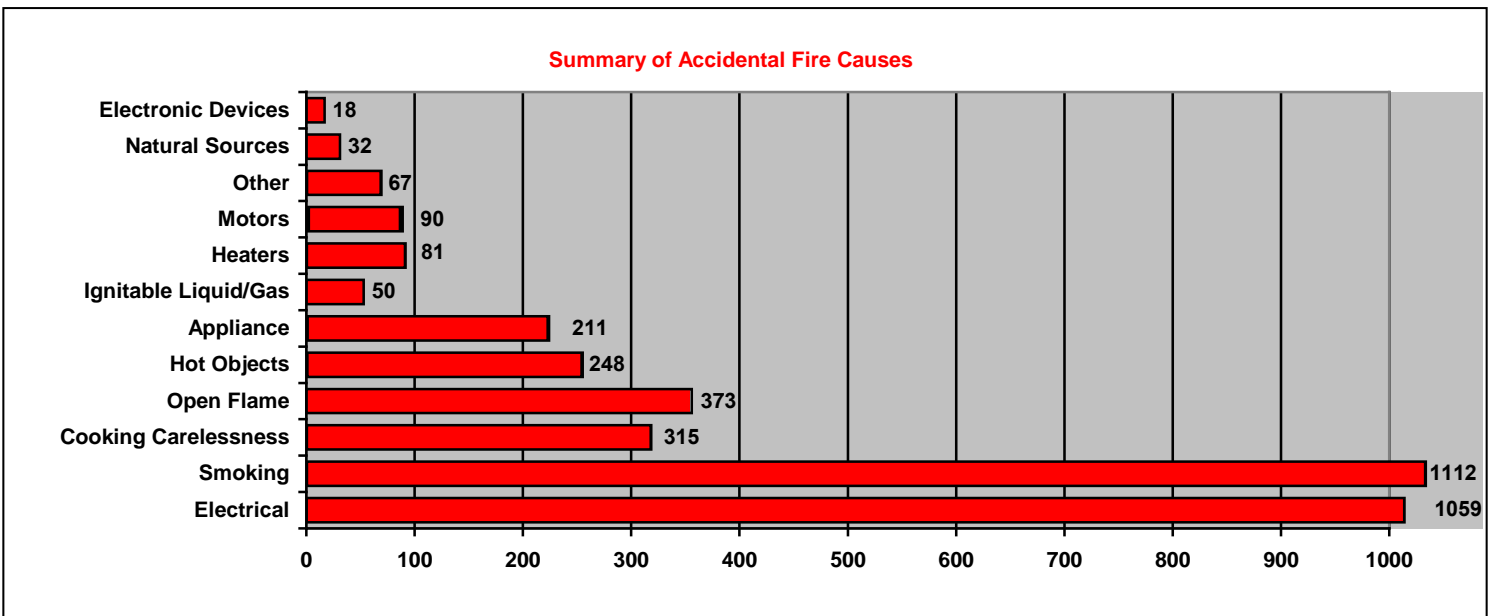
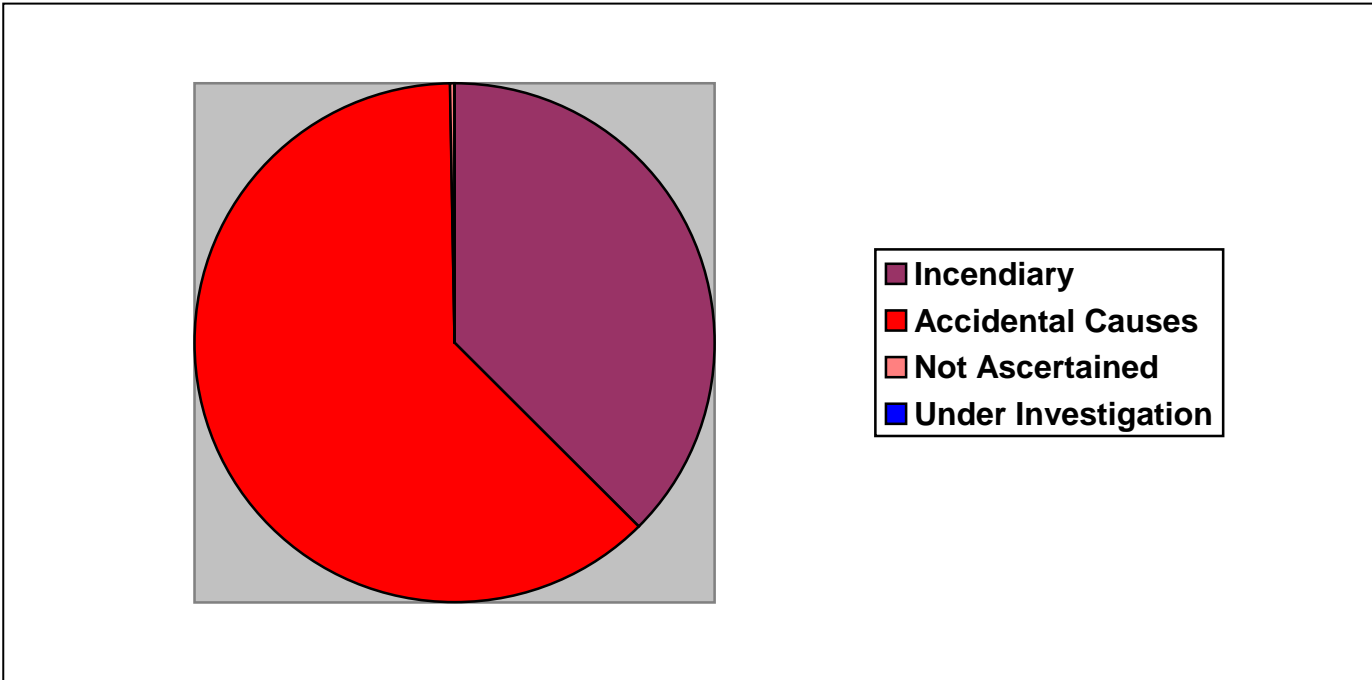
# **Fire Causes**



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Bureau of Fire Investigation  
 Investigative Management and Reporting System  
**SUMMARY OF FIRE CAUSES INVESTIGATED BY CATEGORY**  
 Period: January 1, 2016 through December 31, 2016



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## Summary of Fire Causes Investigated by Category

For the period 1/1/2016 through 12/31/2016

Cause of Fire Category	Total
<b>Incendiary</b> Percentage of Investigations Conducted	1582 30.20%
<b>Smoking</b> Percentage of Investigations Conducted	1112 21.23%
<b>Electrical</b> Percentage of Investigations Conducted	1059 20.22%
<b>Open Flame</b> Percentage of Investigations Conducted	373 7.12%
<b>Cooking Carelessness</b> Percentage of Investigations Conducted	315 6.01%
<b>Hot Objects</b> Percentage of Investigations Conducted	248 4.73%
<b>Appliance</b> Percentage of Investigations Conducted	211 4.03%
<b>Heaters</b> Percentage of Investigations Conducted	67 1.28%
<b>Other</b> Percentage of Investigations Conducted	67 1.28%
<b>Ignitable Liquid/Gas</b> Percentage of Investigations Conducted	50 0.95%
<b>Motors</b> Percentage of Investigations Conducted	90 1.72%
<b>Natural Sources</b> Percentage of Investigations Conducted	32 0.61%
<b>Electrical Devices</b> Percentage of Investigations Conducted	18 0.34%



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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Summary of Fire Causes Investigated by Category

For the period 1/1/2016 through 12/31/2016

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Cause of Fire Category	Total
<b>Not Ascertained</b> Percentage of Investigations Conducted	9 0.17%
<b>Under Investigation</b> Percentage of Investigations Conducted	5 0.10%
<b>Fire Cases Received:</b>	<b>6894</b>
<b>Preliminary Investigation Only:</b>	<b>1656</b>
<b>Total Fire Investigation</b>	<b>5238</b>

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## Summary of Fire Causes

For the period 1/1/2016 through 12/31/2016

Fire Category:	Appliances	
Cause of Fire		Count
Clothes Dryer - Natural Gas		65
Stove - Natural Gas		40
Clothes Dryer		40
Stove - Wood		5
Refrigeration Compressor		8
Microwave		9
Clothes Dryer - Electric		11
Other Appliance		24
Stove - Electric		2
Washer/Dryer Combo		1
Clothes Washer		2
Dishwasher		2
Coffee Pot		2
<b>Appliances Total:</b>		<b>211</b>

Fire Category:	Cooking Carelessness	
Cause of Fire		Count
Ranghood Fire - Ductwork		11
Food on the Stove		116
Cooking Fire Extending to Clothing or Combustibles		31
Stove/Cooking - Other		50
Stove/Cooking - Electric		8
Stove/Cooking - Stove		63
Stove/Cooking - Fryer		6
Stove/Cooking - Toaster Oven		6
Barbecue - Wood/Charcoal		19
Barbecue - Propane		5
<b>Cooking Carelessness Total:</b>		<b>315</b>

Fire Category:	Electrical	
Cause of Fire		Count
Extension Cord		104

# Bureau Of Fire Investigation

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## Summary of Fire Causes

For the period 1/1/2016 through 12/31/2016

Fire Category:	Electrical	
Cause of Fire		Count
Electrical Wiring		575
Other - Electrical		105
Transformer		8
Feeder Cable		8
Vehicle Wiring		135
Service		7
Appliance Cord		23
Fuse/Circuit Breaker Panel		14
Power Strip		31
Hard Wire Outlet		19
Holiday Lighting		2
Ballast		3
Lighting Fixture		23
Arc Welding		2
<b>Electrical Total:</b>		<b>1059</b>

Fire Category:	Electrical Devices	
Cause of Fire		Count
Computer Component(s)		10
Other Audio Visual Equipment		6
TV		1
Radio/Stereo		1
<b>Electrical Devices Total:</b>		<b>18</b>

Fire Category:	Heaters	
Cause of Fire		Count
Permanent Heater - Gas		14
Portable Heater - Electric		18
Permanent Heater - Oil		11
Heaters - Other		7
Portable Heater - Kerosene		2
Permanent Heater		5

# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Summary of Fire Causes

For the period 1/1/2016 through 12/31/2016

<b>Fire Category: Heaters</b>	
<b>Cause of Fire</b>	<b>Count</b>
Permanent Heater - Electric	6
Portable Heater	4
<b>Heaters Total:</b>	<b>67</b>

<b>Fire Category: Hot Objects</b>	
<b>Cause of Fire</b>	<b>Count</b>
Incense	53
Other - Hot Objects	59
Hot Embers	23
Chimney/Flues	17
Heat From Molten Metal / Slag	15
Heat from Light Bulb	27
Heat or Sparks from Friction	42
Heat from an Iron	7
Permanent Heater - Steam Radiator (Pyrolysis)	5
<b>Hot Objects Total:</b>	<b>248</b>

<b>Fire Category: Ignitable</b>	
<b>Cause of Fire</b>	<b>Count</b>
Other - Liquid	8
Ignitable Liquids/Gases - Natural Gas	12
Other - Ignitable Liquid/Gas	10
Ignitable Liquids/Gases - Gasoline	11
Other - Gas	1
Ignitable Liquids/Gases - Propane	2
Ignitable Liquids/Gases - Pesticide Fogger	1
Ignitable Liquid-Polyurethane/Varnish/PaintThinner	4
Ignitable Liquids/Gases - Lighter Fluid	1
<b>Ignitable Total:</b>	<b>50</b>

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Summary of Fire Causes

For the period 1/1/2016 through 12/31/2016

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<b>Fire Category:</b>	<b>Incendiary</b>	
<b>Cause of Fire</b>		<b>Count</b>
Incendiary		755
Incendiary - Combustible Material		670
Incendiary - Attempted Suicide		5
Incendiary - Ignitable Liquid		91
Incendiary - Reckless Use of Open Flame		16
Incendiary - Attempted Arson		3
Incendiary - Fireworks		27
Incendiary - Torch - Illegal Use of		9
Incendiary - Self Immolation		1
Incendiary - Combustible Gas		3
Incendiary - Explosives		2
<b>Incendiary Total:</b>		<b>1582</b>

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<b>Fire Category:</b>	<b>Motors</b>	
<b>Cause of Fire</b>		<b>Count</b>
Motors - Alternative Fuel Powered		2
Motors - Electric		8
Motors - Compressors		3
Motors - Fossil Fuel Powered		48
Other Motor		12
Motors - Subway		3
Motors - Fan		10
Motors - Elevator		3
Code Not Defined		1
<b>Motors Total:</b>		<b>90</b>

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<b>Fire Category:</b>	<b>Natural Sources</b>	
<b>Cause of Fire</b>		<b>Count</b>
Spontaneous Combustion		31
Solar Rays		1
<b>Natural Sources Total:</b>		<b>32</b>

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Summary of Fire Causes

For the period 1/1/2016 through 12/31/2016

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<b>Fire Category:</b>	<b>Open Flame</b>	
<b>Cause of Fire</b>		<b>Count</b>
Candle		164
Other - Open Flame		82
Torch - Legal Use of		51
Child Playing w/Matches/Lighter		36
Child Playing w/ Other Open Flame		5
Matches/Lighter		20
Fireplace		11
Aerosol Can		4
<b>Open Flame Total:</b>		<b>373</b>

<b>Fire Category:</b>	<b>Other</b>	
<b>Cause of Fire</b>		<b>Count</b>
Exothermic Chemical Reaction		22
Rekindle		5
Other		40
Under Investigation		5
Not Ascertained		9
<b>Other Total:</b>		<b>81</b>

<b>Fire Category:</b>	<b>Smoking</b>	
<b>Cause of Fire</b>		<b>Count</b>
Smoking (Cigarette/Cigar)		1112
<b>Smoking Total:</b>		<b>1112</b>

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<b>Grand Total:</b>		<b>5238</b>
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# **Bureau of Fire Investigation**

## **Investigative Management and Reporting System**



# **2016**

# **Annual Report**

## **on**

# **Incendiary Fires**



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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Summary of Incendiary Fires by Borough

For the period 1/1/2016 through 12/31/2016



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Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Incendiary Fires
<b>Bronx</b>	226	5	<b>231</b>	46	47	<b>324</b>
<b>Brooklyn</b>	309	11	<b>320</b>	60	106	<b>486</b>
<b>Manhattan</b>	242	0	<b>242</b>	17	69	<b>328</b>
<b>Queens</b>	158	27	<b>185</b>	74	74	<b>333</b>
<b>Staten Island</b>	53	10	<b>63</b>	12	36	<b>111</b>
<b>Totals:</b>	<b>988</b>	<b>53</b>	<b>1041</b>	<b>209</b>	<b>332</b>	<b>1582</b>

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Summary of Incendiary Fires by Borough and Community Board

For the period 1/1/2016 through 12/31/2016

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Incendiary Fires
<b>Bronx</b>						
CB						
01	38	0	38	3	6	47
02	12	0	12	5	5	22
03	39	1	40	8	11	59
04	17	0	17	2	2	21
05	14	0	14	4	1	19
06	19	0	19	6	1	26
07	7	1	8	0	3	11
08	13	1	14	1	2	17
09	32	0	32	7	1	40
10	7	0	7	2	3	12
11	14	1	15	1	4	20
12	14	1	15	7	8	30
Bronx CB Total	226	5	231	46	47	324

# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Summary of Incendiary Fires by Borough and Community Board

For the period 1/1/2016 through 12/31/2016

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Incendiary Fires
<b>Brooklyn</b>						
CB						
01	30	1	31	6	7	44
02	16	0	16	3	4	23
03	28	3	31	0	8	39
04	8	1	9	2	5	16
05	47	1	48	17	15	80
06	16	0	16	3	4	23
07	5	1	6	4	4	14
08	19	0	19	3	3	25
09	15	1	16	1	3	20
10	6	0	6	0	4	10
11	5	0	5	2	5	12
12	3	1	4	2	7	13
13	21	0	21	2	6	29
14	12	0	12	0	3	15
15	7	1	8	5	9	22
16	41	0	41	4	5	50
17	11	1	12	4	7	23
18	19	0	19	2	7	28
Brooklyn CB Total	309	11	320	60	106	486

# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Summary of Incendiary Fires by Borough and Community Board

For the period 1/1/2016 through 12/31/2016

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Incendiary Fires
<b>Manhattan</b>						
CB						
01	4	0	4	4	8	16
02	3	0	3	0	4	7
03	39	0	39	0	6	45
04	17	0	17	0	6	23
05	11	0	11	1	12	24
06	16	0	16	1	4	21
07	15	0	15	3	4	22
08	17	0	17	2	5	24
09	23	0	23	1	2	26
10	25	0	25	1	5	31
11	58	0	58	0	6	64
12	14	0	14	4	7	25
Manhattan CB Total	242	0	242	17	69	328

# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Summary of Incendiary Fires by Borough and Community Board

For the period 1/1/2016 through 12/31/2016

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Incendiary Fires
<b>Queens</b>						
<b>CB</b>						
01	43	5	48	10	10	68
02	7	1	8	6	4	18
03	9	0	9	0	0	9
04	6	2	8	3	6	17
05	9	0	9	4	4	17
06	1	0	1	1	3	5
07	7	2	9	6	3	18
08	8	0	8	2	8	18
09	14	2	16	5	0	21
10	4	2	6	9	5	20
11	2	0	2	1	3	6
12	16	8	24	16	10	50
13	10	2	12	10	13	35
14	22	3	25	1	5	31
<b>Queens     CB Total</b>	158	27	185	74	74	333

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Summary of Incendiary Fires by Borough and Community Board

For the period 1/1/2016 through 12/31/2016

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Incendiary Fires
<b>Staten Island</b>						
CB						
01	47	4	51	9	19	79
02	4	4	8	0	9	17
03	2	2	4	3	8	15
Staten Island CB Total	53	10	63	12	36	111
<b>Grand Total All Boroughs</b>	988	53	1041	209	332	1582

# **Bureau of Fire Investigation**

## **Investigative Management and Reporting System**



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## **on**

# **Accidental Fires**



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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Summary of Accidental Fires by Borough

For the period 1/1/2016 through 12/31/2016



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Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Accidental Fires
<b>Bronx</b>	577	8	<b>585</b>	39	62	<b>686</b>
<b>Brooklyn</b>	926	13	<b>939</b>	78	127	<b>1144</b>
<b>Manhattan</b>	647	3	<b>650</b>	34	80	<b>764</b>
<b>Queens</b>	655	12	<b>667</b>	83	104	<b>854</b>
<b>Staten Island</b>	151	0	<b>151</b>	23	34	<b>208</b>
<b>Totals:</b>	<b>2956</b>	<b>36</b>	<b>2992</b>	<b>257</b>	<b>407</b>	<b>3656</b>

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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 1/1/2016 through 12/31/2016

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Accidental Fires
<b>Bronx</b>						
CB						
01	75	1	76	4	7	87
02	22	0	22	3	5	30
03	62	0	62	2	5	69
04	64	0	64	6	8	78
05	42	2	44	3	8	55
06	55	1	56	3	3	62
07	40	1	41	1	6	48
08	19	0	19	0	3	22
09	67	0	67	5	6	78
10	31	1	32	3	4	39
11	28	1	29	2	4	35
12	72	1	73	7	3	83
Bronx CB Total	577	8	585	39	62	686

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## Summary of Accidental Fires by Borough and Community Board

For the period 1/1/2016 through 12/31/2016

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Accidental Fires
<b>Brooklyn</b>						
CB						
01	64	1	65	6	12	83
02	50	2	52	3	11	66
03	86	1	87	9	13	109
04	41	1	42	3	9	54
05	80	2	82	6	10	98
06	55	0	55	4	2	61
07	34	1	35	4	5	44
08	48	0	48	2	5	55
09	46	1	47	3	7	57
10	29	0	29	6	5	40
11	32	0	32	3	6	41
12	48	1	49	4	7	60
13	38	0	38	2	5	45
14	60	1	61	0	3	64
15	44	0	44	5	7	56
16	51	1	52	4	4	60
17	70	0	70	8	5	83
18	50	1	51	6	11	68
<b>Brooklyn CB Total</b>	<b>926</b>	<b>13</b>	<b>939</b>	<b>78</b>	<b>127</b>	<b>1144</b>

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## Summary of Accidental Fires by Borough and Community Board

For the period 1/1/2016 through 12/31/2016

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Accidental Fires
<b>Manhattan</b>						
CB						
01	22	1	23	3	3	29
02	48	0	48	1	5	54
03	58	0	58	2	5	65
04	50	0	50	5	5	60
05	71	0	71	4	16	91
06	42	0	42	2	5	49
07	53	0	53	2	3	58
08	51	0	51	5	4	60
09	44	0	44	4	10	58
10	72	1	73	0	7	80
11	84	0	84	3	9	96
12	52	1	53	3	8	64
Manhattan CB Total	647	3	650	34	80	764

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## Summary of Accidental Fires by Borough and Community Board

For the period 1/1/2016 through 12/31/2016

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Accidental Fires
<b>Queens</b>						
<b>CB</b>						
01	64	1	65	5	11	81
02	36	0	36	2	8	46
03	36	2	38	8	4	50
04	45	0	45	2	9	56
05	46	1	47	1	13	61
06	20	1	21	2	8	31
07	62	2	64	9	4	77
08	43	0	43	7	5	55
09	40	0	40	7	8	55
10	30	0	30	8	3	41
11	15	0	15	3	3	21
12	112	3	115	16	12	143
13	60	1	61	10	8	79
14	45	1	46	3	8	57
17	1	0	1	0	0	1
<b>Queens CB Total</b>	<b>655</b>	<b>12</b>	<b>667</b>	<b>83</b>	<b>104</b>	<b>854</b>

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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 1/1/2016 through 12/31/2016

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Accidental Fires
<b>Staten Island</b>						
CB						
01	84	0	84	8	15	107
02	34	0	34	11	12	57
03	33	0	33	4	7	44
Staten Island CB Total	151	0	151	23	34	208
<b>Grand Total All Boroughs</b>	2956	36	2992	257	407	3656

# **Bureau of Fire Investigation**

## **Investigative Management and Reporting System**



# **2016**

# **Annual Report**

## **on**

# **Civilian Fire Fatalities**



Veritas ex Cineribus





**Bureau of Fire Investigation  
Investigative Management and Reporting System  
Fire Fatalities  
Period: January 1, 2016- December 31, 2016**



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**.

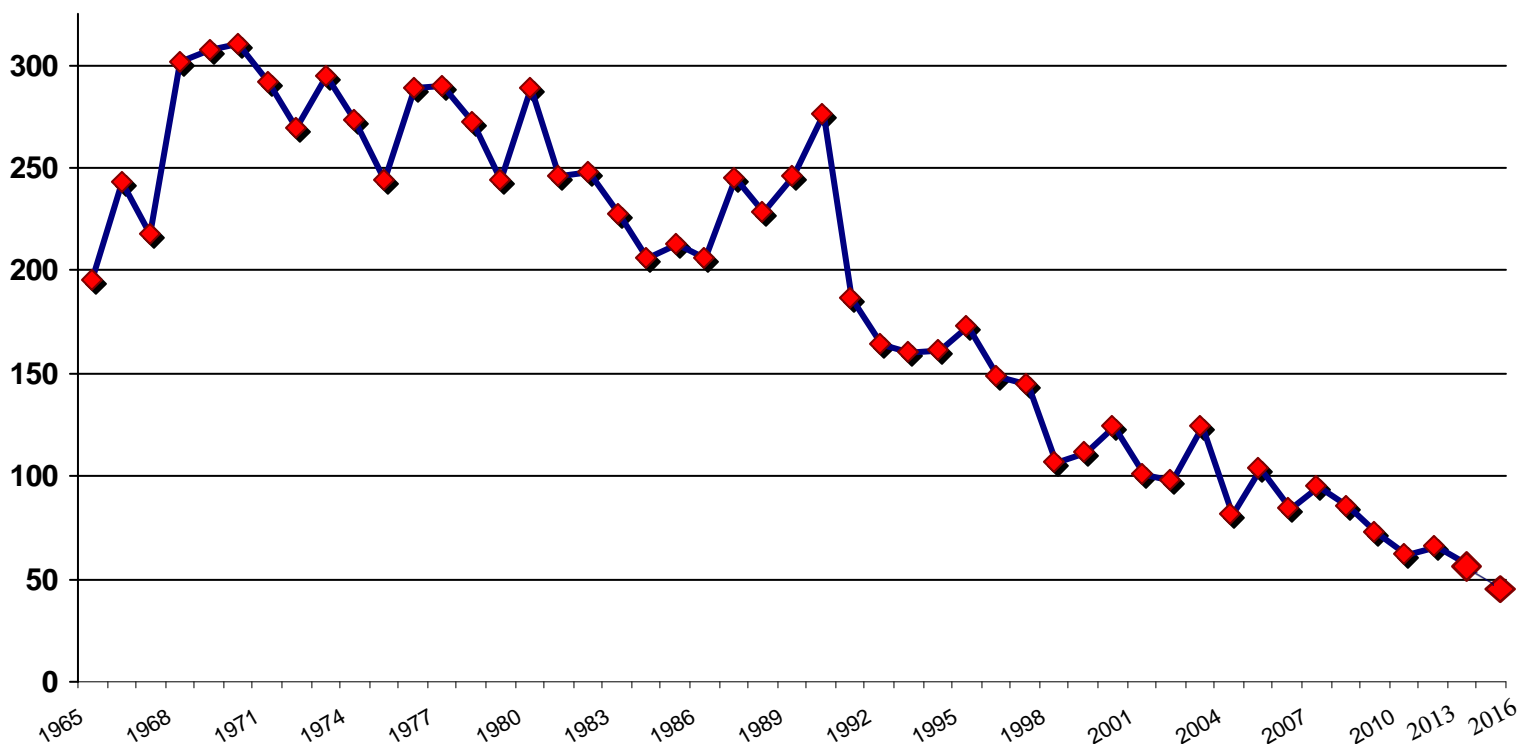
There are also many cases in which a fire death is initially deemed a 10-45 Code 4 (minor injury), and it is only after the Medical Examiner’s Office contacts the Bureau of Fire Investigation for the Fire Marshals report that the victim is determined to be a fire death. This occasionally happens when:

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**.

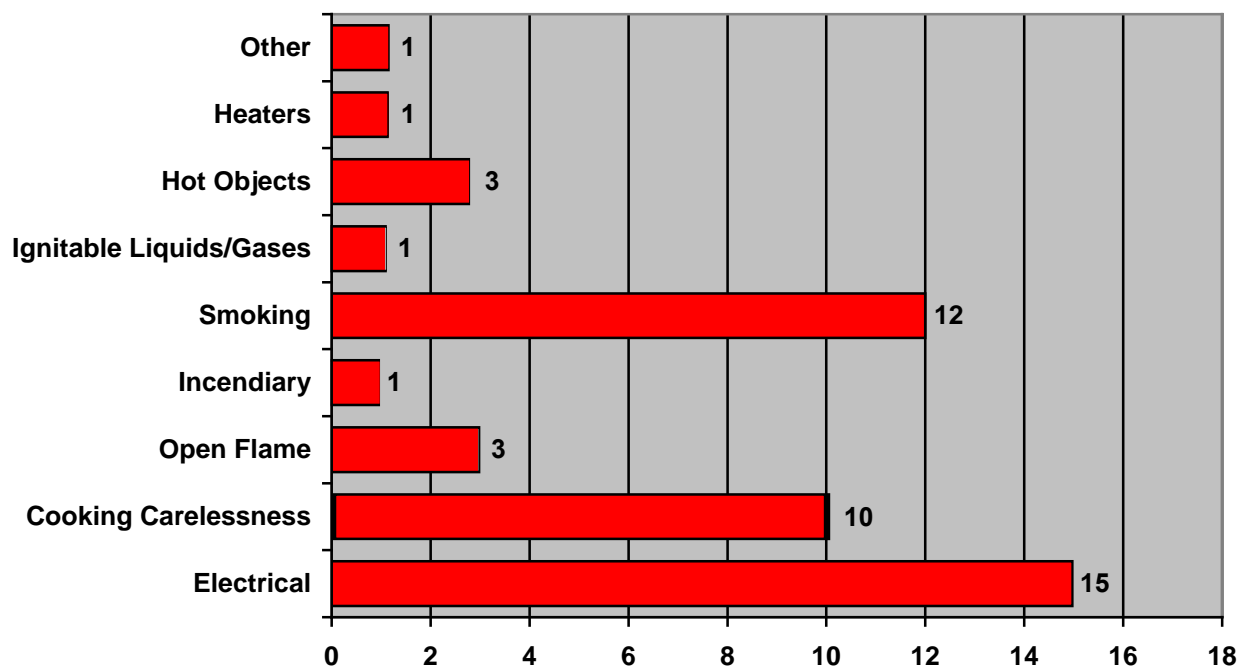
In these times of modern medicine, forensic science and advanced technology, we are confident that all fire deaths are being recorded as such and counted accurately.

**48 Cilian Fire Deaths In New York City – The Low Trend Still Continues!**



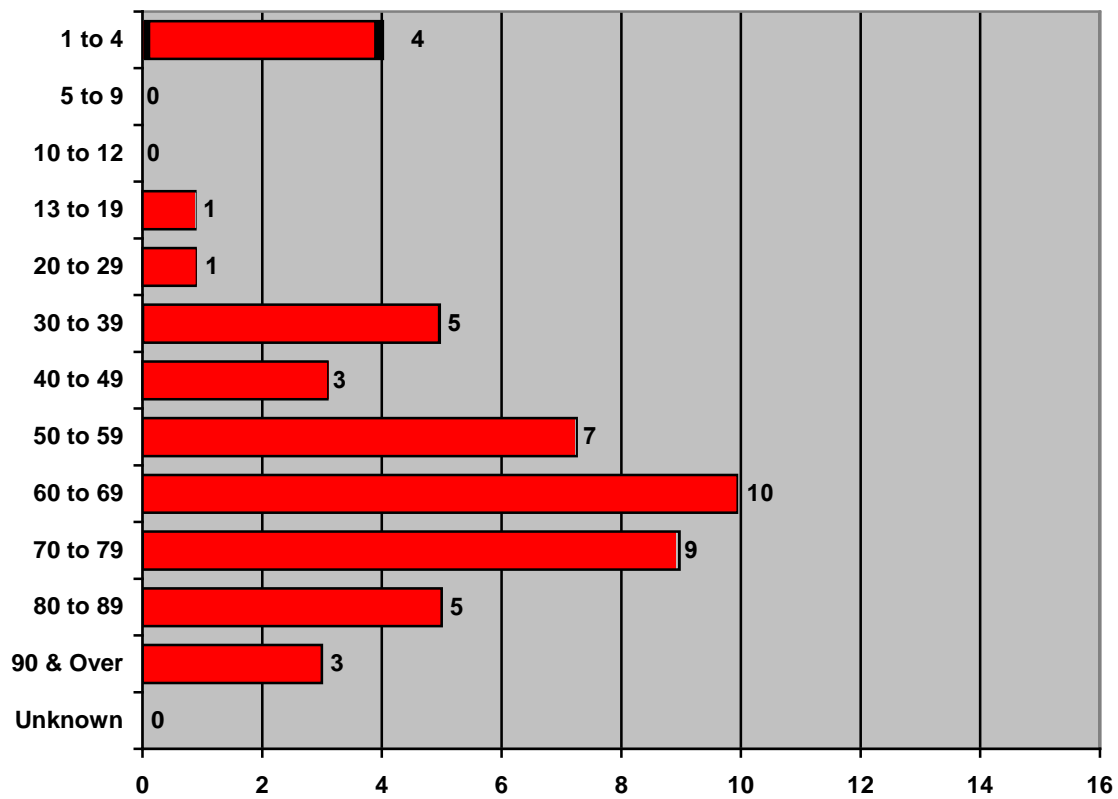


### SUMMARY OF FATALITIES, FIRE CAUSES

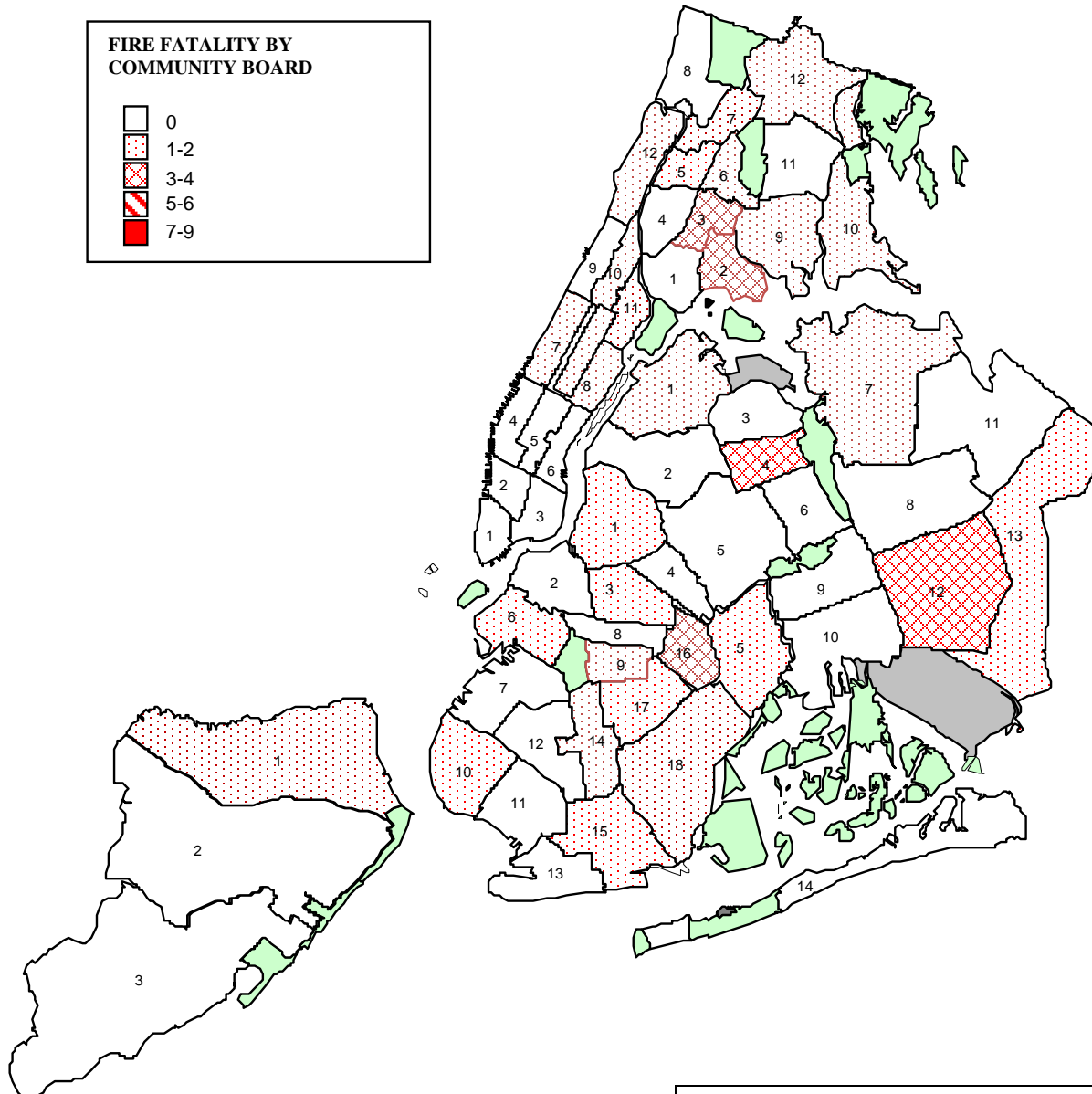
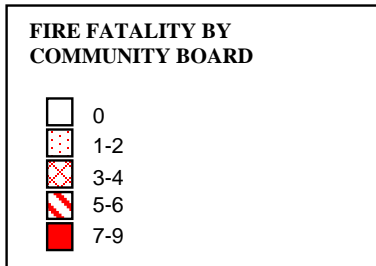




### SUMMARY OF FATALITIES BY AGE



**Bureau of Fire Investigation**  
**Investigative Management and Reporting System**  
**FATALITIES BY COMMUNITY BOARD AND BOROUGH**  
 Period: January 1, 2016 through December 31, 2016



**FIRE FATALITIES BY BOROUGH**

<b>Bronx:</b>	<b>17</b>
<b>Brooklyn:</b>	<b>14</b>
<b>Manhattan:</b>	<b>5</b>
<b>Queens:</b>	<b>10</b>
<b>Staten Island :</b>	<b>2</b>
<b>Citywide Total:</b>	<b>48</b>

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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Fatalities by Borough

For the period 1/1/2011 through 12/31/2016



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Borough	Calendar Year					
	2011	2012	2013	2014	2015	2016
Bronx	19	18	19	9	3	17
Brooklyn	24	16	17	22	30	14
Manhattan	12	9	11	25	6	5
Queens	10	12	18	15	14	10
Staten Island	1	3	2	0	6	2
Totals:	66	58	67	71	59	48

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Annual Comparison of Fire Fatalities by Cause

For the period 1/1/2011 through 12/31/2016

Cause of Fire	Calendar Year					
	2011	2012	2013	2014	2015	2016
Appliance Cord	0	1	1	1	2	0
Ballast	0	0	0	0	1	0
Candle	9	1	11	3	1	0
Child Playing w/Matches/Lighter	4	0	1	2	0	0
Cooking Fire Extending to Clothing or Combustibles	3	3	3	3	0	6
Electrical Wiring	6	8	9	10	9	7
Extension Cord	1	3	1	4	4	5
Fireplace	0	0	0	1	1	0
Food on the Stove	0	0	1	3	0	1
Heat from Light Bulb	0	1	0	0	0	0
Heat or Sparks from Friction	0	1	0	0	0	0
Ignitable Liquids/Gases - Gasoline	0	0	0	1	0	0
Ignitable Liquids/Gases - Lighter Fluid	0	0	0	1	0	0
Ignitable Liquids/Gases - Natural Gas	0	0	0	8	2	0
Incendiary	0	1	0	1	1	1
Incendiary - Attempted Suicide	0	1	0	0	1	1
Incendiary - Combustible Material	1	2	4	1	0	0
Incendiary - Ignitable Liquid	5	3	0	1	3	0
Incendiary - Self Immolation	1	0	2	0	2	1
Incendiary - Suicide	1	2	1	1	1	0
Incense	1	0	1	0	0	2
Matches/Lighter	1	2	1	1	0	1
Motors - Fossil Fuel Powered	0	0	0	1	0	0
Not Ascertained	1	4	0	2	2	0
Other	0	0	1	0	0	0
Other - Electrical	1	1	3	2	1	2
Other - Hot Objects	3	0	2	1	7	1
Other - Ignitable Liquid/Gas	0	0	1	1	0	0
Other - Liquid	0	2	0	0	1	0

# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Annual Comparison of Fire Fatalities by Cause

For the period 1/1/2011 through 12/31/2016



Cause of Fire	Calendar Year					
	2011	2012	2013	2014	2015	2016
Other - Open Flame	5	0	3	5	2	2
Other Appliance	1	1	3	0	0	0
Portable Heater - Electric	1	1	2	0	2	0
Portable Heater - Kerosene	0	0	0	0	0	1
Power Strip	1	2	1	0	0	0
Radio/Stereo	0	1	0	0	0	0
Smoking (Cigarette/Cigar)	15	13	12	12	12	12
Stove - Natural Gas	0	2	0	0	0	0
Stove/Cooking - Electric	0	0	0	0	0	1
Stove/Cooking - Other	1	0	0	2	0	1
Stove/Cooking - Stove	3	2	2	3	4	1
Stove/Cooking - Toaster Oven	1	0	0	0	0	0
Under Investigation	0	0	0	0	0	1
Vehicle Wiring	0	0	1	0	0	1
<b>Grand Total All Causes</b>	<b>66</b>	<b>58</b>	<b>67</b>	<b>71</b>	<b>59</b>	<b>48</b>

# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Fatalities by Category & Cause

For the period 1/1/2016 through 12/31/2016



### Fire Category: Cooking Carelessness

Cause of Fire	Count
Cooking Fire Extending to Clothing or Combustibles	6
Food on the Stove	1
Stove/Cooking - Electric	1
Stove/Cooking - Other	1
Stove/Cooking - Stove	1
<b>Cooking Carelessness Total</b>	<b>10</b>

### Fire Category: Electrical

Cause of Fire	Count
Electrical Wiring	7
Extension Cord	5
Other - Electrical	2
Vehicle Wiring	1
<b>Electrical Total</b>	<b>15</b>

### Fire Category: Heaters

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

### Fire Category: Hot Objects

Cause of Fire	Count
Incense	2
Other - Hot Objects	1
<b>Hot Objects Total</b>	<b>3</b>

### Fire Category: Incendiary

Cause of Fire	Count
Incendiary	1
Incendiary - Attempted Suicide	1
Incendiary - Self Immolation	1



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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Fatalities by Category & Cause

For the period 1/1/2016 through 12/31/2016



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<b>Incendiary Total</b>	<b>3</b>
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**Fire Category: Open Flame**

<b>Cause of Fire</b>	<b>Count</b>
Matches/Lighter	1
Other - Open Flame	2
<b>Open Flame Total</b>	<b>3</b>

---

**Fire Category: Other**

<b>Cause of Fire</b>	<b>Count</b>
Under Investigation	1
<b>Other Total</b>	<b>1</b>

---

**Fire Category: Smoking**

<b>Cause of Fire</b>	<b>Count</b>
Smoking (Cigarette/Cigar)	12
<b>Smoking Total</b>	<b>12</b>

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<b>Grand Total:</b>	<b>48</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 1/1/2016 through 12/31/2016



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CB	Bronx	Brooklyn	Manhattan	Queens	Staten Island
01	0	1	0	1	2
02	3	0	0	0	0
03	4	2	0	0	0
04	0	0	0	4	0
05	2	1	0	0	0
06	2	1	0	0	0
07	1	0	1	2	0
08	0	0	1	0	0
09	2	1	0	0	0
10	1	1	2	0	0
12	2	0	1	3	0
14	0	1	0	0	0
15	0	1	0	0	0
16	0	3	0	0	0
17	0	1	0	0	0
18	0	1	0	0	0
<b>Sum Total:</b>	<b>17</b>	<b>14</b>	<b>5</b>	<b>10</b>	<b>2</b>
<b>Total Fire Fatalities:</b>	<b>48</b>				

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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Monthly Fire Fatalities by Borough

For the period 1/1/2016 through 12/31/2016

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### For Calendar Year 2016

		Bronx	Brooklyn	Manhattan	Queens	Staten Island	Totals
January	2016	3	1	1	1	2	8
February	2016	4	3	0	2	0	9
March	2016	0	2	0	4	0	6
April	2016	4	2	0	3	0	9
May	2016	1	1	0	0	0	2
June	2016	0	0	0	0	0	0
July	2016	0	0	0	0	0	0
August	2016	1	0	1	0	0	2
September	2016	0	0	1	0	0	1
October	2016	1	0	1	0	0	2
November	2016	1	3	1	0	0	5
December	2016	2	2	0	0	0	4
<b>Totals:</b>		<b>17</b>	<b>14</b>	<b>5</b>	<b>10</b>	<b>2</b>	<b>48</b>

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Fire Fatalities by Hour of Occurance and Borough

For the period 1/1/2016 through 12/31/2016

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For Calendar Year 2016

	Bronx	Brooklyn	Manhattan	Queens	Staten Island	Totals
0000 - 0059	2	0	0	0	0	2
0100 - 0159	0	0	0	0	0	0
0200 - 0259	1	0	0	0	0	1
0300 - 0359	1	1	1	0	0	3
0400 - 0459	0	0	0	2	0	2
0500 - 0559	1	0	1	0	0	2
0600 - 0659	0	2	1	0	0	3
0700 - 0759	0	0	0	0	0	0
0800 - 0859	0	3	1	0	0	4
0900 - 0959	1	0	0	1	1	3
1000 - 1059	1	0	0	0	0	1
1100 - 1159	0	0	0	1	0	1
1200 - 1259	1	0	0	0	0	1
1300 - 1359	0	0	0	1	0	1
1400 - 1459	0	1	0	0	0	1
1500 - 1559	1	0	0	0	1	2
1600 - 1659	0	0	0	0	0	0
1700 - 1759	0	0	0	0	0	0
1800 - 1859	2	1	1	0	0	4
1900 - 1959	2	1	0	0	0	3
2000 - 2059	2	3	0	0	0	5
2100 - 2159	1	1	0	1	0	3
2200 - 2259	1	1	0	3	0	5
2300 - 2359	0	0	0	1	0	1
Unknown	0	0	0	0	0	0
<b>Totals:</b>	<b>17</b>	<b>14</b>	<b>5</b>	<b>10</b>	<b>2</b>	<b>48</b>

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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Fatalities by Race/Ethnicity and Occupancy

For the period 1/1/2016 through 12/31/2016



Occupancy Type	CAUCASIAN	AFRICAN AMERICAN	ASIAN	HISPANIC	BLACK	OTHER	Unknown
Boat	1	0	0	0	0	0	0
MD Residential Structure	4	5	1	7	6	1	1
Other	1	1	0	0	1	0	0
PD Residential Structure	6	7	0	4	0	0	0
Vehicle	0	1	0	0	1	0	0
Sub-Totals:	12	14	1	11	8	1	1
<b>Total Fire Fatalities:</b>	<b>48</b>						

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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Fatalities by Age and Gender

For the period 1/1/2016 through 12/31/2016

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Victim Age	Female	Male	Totals
01-04	3	1	4
05-09	0	0	0
10-12	0	0	0
13-19	1	0	1
20-29	0	1	1
30-39	2	3	5
40-49	1	2	3
50-59	2	5	7
60-69	4	6	10
70-79	1	8	9
80-89	3	2	5
90-Over	2	1	3
Unknown	0	0	0
<b>TOTALS</b>	<b>19</b>	<b>29</b>	<b>48</b>

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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Fatalities Related to Vehicles

For the period 1/1/2016 through 12/31/2016

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### Electrical

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

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Of the 1 fire fatalities related to vehicles, 1 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 1/1/2012 through 12/31/2016

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<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>
	<hr/>	
<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>
	<hr/>	
<b>For Calendar Year 2014</b>	Smoke Detector Present:	24
	Working:	18
	Not Present:	16
	Not Applicable:	3
	Present Unknown if operational:	11
	Unknown:	17
	<b>Total</b>	<b>71</b>
	<hr/>	
<b>For Calendar Year 2013</b>	Smoke Detector Present:	23
	Working:	14
	Not Present:	24
	Not Applicable:	4
	Present Unknown if operational:	6
	Unknown:	10
	<b>Total</b>	<b>67</b>
	<hr/>	
<b>For Calendar Year 2012</b>	Smoke Detector Present:	27
	Working:	15
	Not Present:	10
	Not Applicable:	1
	Present Unknown if operational:	15
	Unknown:	5
	<b>Total</b>	<b>58</b>

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# **Bureau of Fire Investigation**

## **Investigative Management and Reporting System**



# **2016**

# **Annual Report**

## **on**

# **Civilian Fire Injuries**



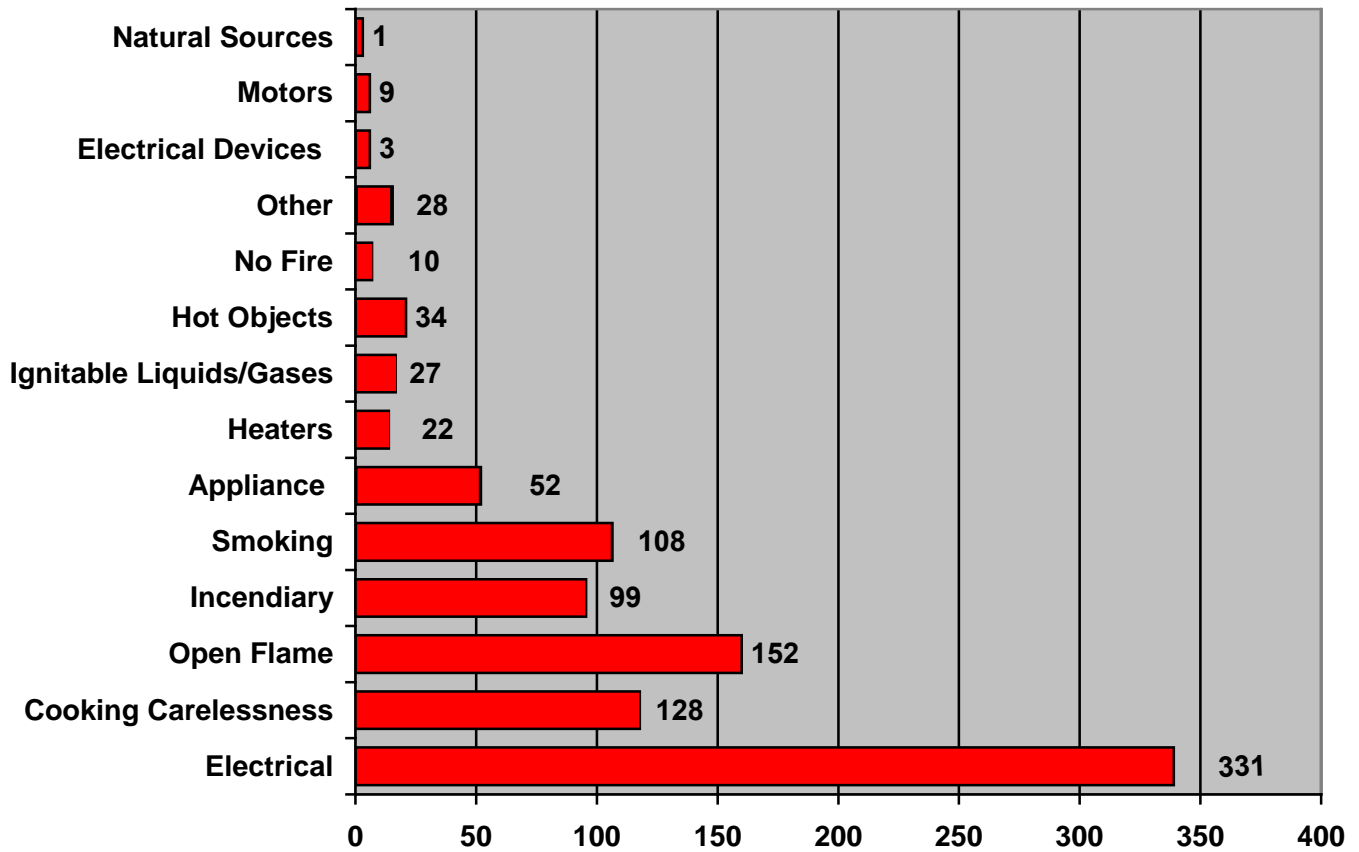
Veritas ex Cineribus



Bureau of Fire Investigation  
Investigative Management and Reporting System  
**SUMMARY OF INJURIES, FIRE CATEGORIES**  
Period: January 1, 2016 through December 31, 2016

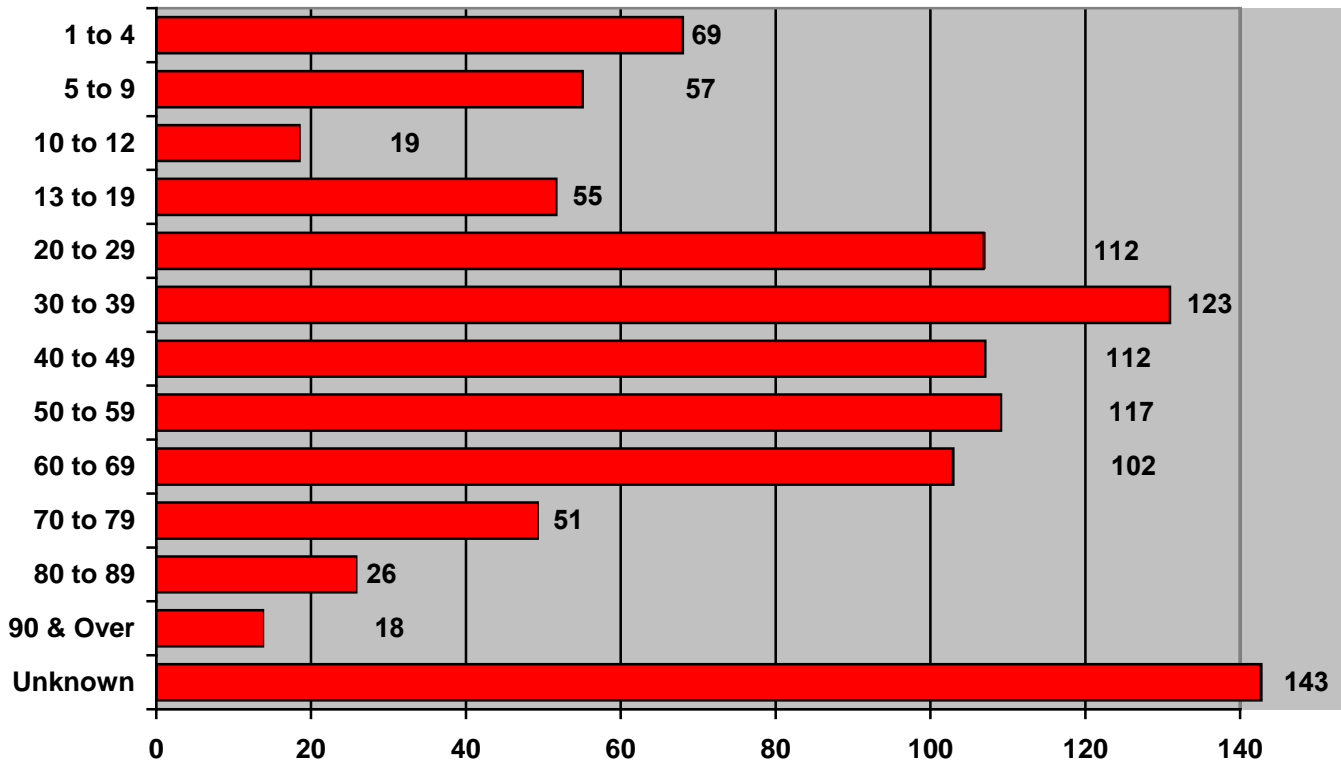


### SUMMARY OF INJURIES FIRE CATEGORIES

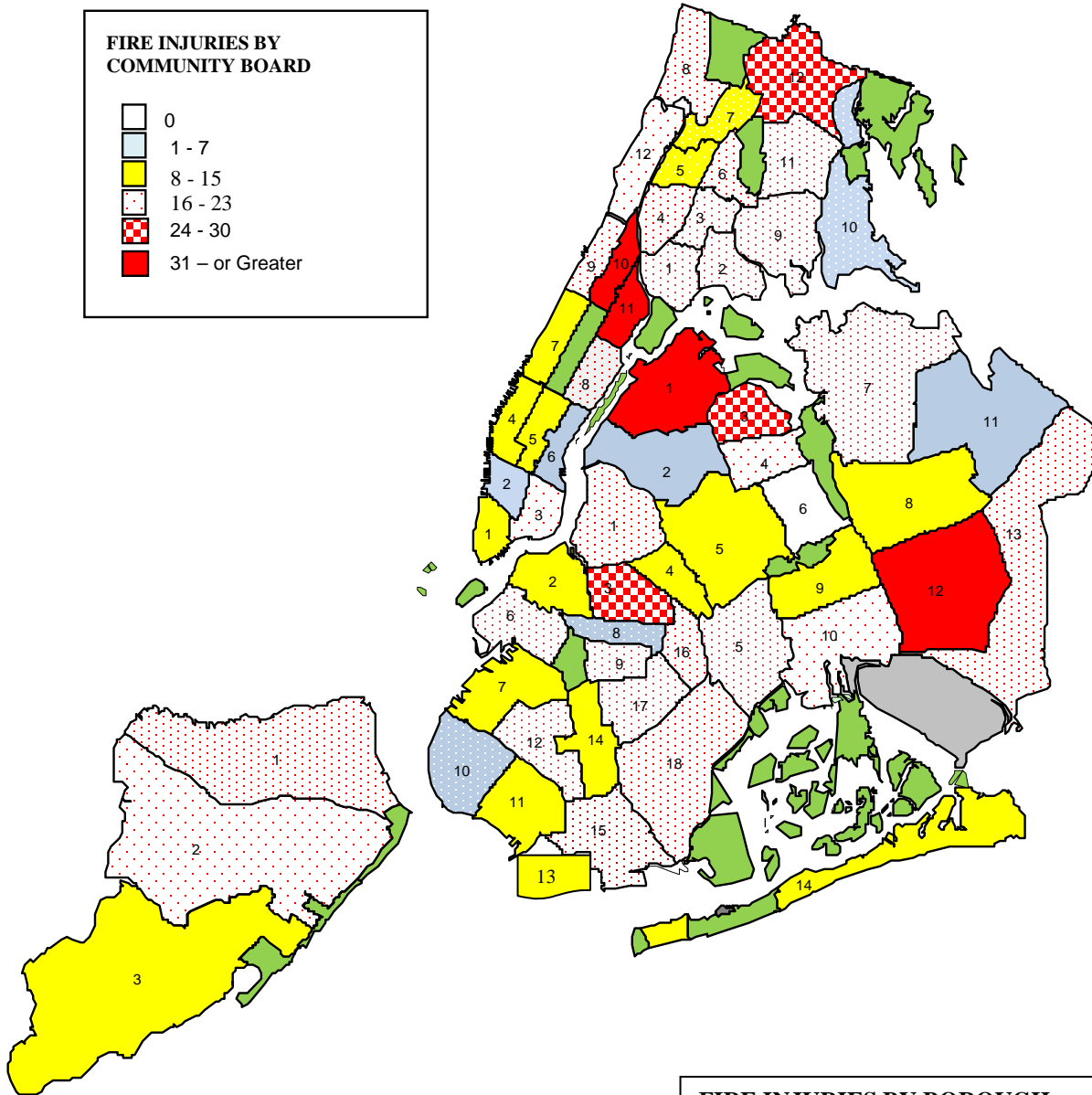
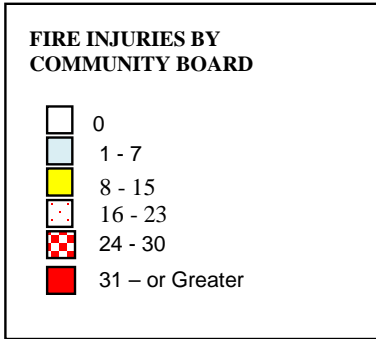




### SUMMARY OF INJURIES BY AGE



**Bureau of Fire Investigation**  
**Investigative Management and Reporting System**  
**INJURIES BY COMMUNITY BOARD AND BOROUGH**  
**Period: January 1, 2016 through December 31, 2016**



**FIRE INJURIES BY BOROUGH**

<b>Bronx:</b>	<b>212</b>
<b>Brooklyn:</b>	<b>282</b>
<b>Manhattan:</b>	<b>207</b>
<b>Queens:</b>	<b>257</b>
<b>Staten Island:</b>	<b>46</b>
<b>Citywide Total:</b>	<b>1,004</b>

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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Injuries by Borough

For the period 1/1/2011 through 12/31/2016



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Borough	Calendar Year					
	2011	2012	2013	2014	2015	2016
Bronx	193	186	234	180	252	212
Brooklyn	325	199	278	351	363	282
Manhattan	209	217	204	177	175	207
Queens	204	220	255	202	229	257
Staten Island	57	31	46	67	62	46
Totals:	988	853	1017	977	1081	1004

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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Annual Comparison of Fire Injuries by Cause

For the period 1/1/2011 through 12/31/2016



Cause of Fire	Calendar Year					
	2011	2012	2013	2014	2015	2016
Other - No Fire	14	8	11	4	11	6
Electrocution - Electrical Burns to Person	0	3	4	3	1	0
Carbon Monoxide Incident	0	2	1	0	1	0
Computer Component(s)	0	0	1	6	5	1
TV	1	3	0	1	0	0
Fireworks Related	0	0	0	1	5	4
Radio/Stereo	1	0	0	0	0	0
Other Audio Visual Equipment	0	0	2	0	0	2
DVD/VCR	0	0	0	0	1	0
Stove - Natural Gas	10	13	20	13	9	18
Clothes Dryer - Natural Gas	6	19	10	9	11	12
Other Appliance	16	9	18	9	2	7
Dishwasher	0	0	1	0	2	0
Refrigeration Compressor	0	1	1	1	7	1
Clothes Dryer - Electric	1	0	3	0	6	6
Clothes Dryer	7	2	2	0	1	3
Stove - Electric	0	1	1	0	0	0
Microwave	1	2	0	1	1	2
Stove - Propane	0	1	0	0	0	0
Stove - Wood	0	0	0	0	0	1
Clothes Washer	0	0	0	0	0	2
Cooking Fire Extending to Clothing or Combustibles	7	7	8	10	19	13
Stove/Cooking - Stove	101	73	30	33	32	18
Stove/Cooking - Other	16	8	17	10	10	28
Food on the Stove	33	37	51	69	90	61
Stove/Cooking - Fryer	13	2	11	7	3	6
Stove/Cooking - Electric	3	3	4	3	2	1
Ranghood Fire - Ductwork	0	0	0	1	3	0
Barbecue - Propane	1	0	2	0	1	1

# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Annual Comparison of Fire Injuries by Cause

For the period 1/1/2011 through 12/31/2016

Cause of Fire	Calendar Year					
	2011	2012	2013	2014	2015	2016
Barbecue - Wood/Charcoal	3	1	0	0	0	0
Stove/Cooking - Toaster Oven	0	0	0	0	5	0
Electrical Wiring	138	125	178	197	189	184
Feeder Cable	1	10	13	6	2	5
Extension Cord	40	40	63	54	55	50
Other - Electrical	12	28	20	29	27	38
Hard Wire Outlet	5	7	9	2	6	13
Lighting Fixture	18	19	8	4	7	2
Transformer	0	24	0	0	1	2
Appliance Cord	25	16	19	11	19	10
Fuse/Circuit Breaker Panel	4	4	2	19	3	4
Service	0	3	1	1	1	0
Power Strip	17	14	17	22	17	14
Vehicle Wiring	0	0	0	3	4	9
Surge Suppressor	6	0	0	0	0	0
Ballast	0	1	1	0	3	0
Holiday Lighting	0	1	0	0	5	0
Portable Heater - Electric	15	2	15	13	34	11
Permanent Heater - Oil	1	3	3	8	3	2
Portable Heater	17	3	0	0	4	4
Permanent Heater - Electric	1	2	1	1	9	0
Permanent Heater - Gas	1	2	1	8	2	2
Permanent Heater	2	0	0	1	1	0
Heaters - Other	0	0	1	2	0	2
Portable Heater - Kerosene	0	0	1	0	0	1
Heat from Light Bulb	13	12	8	4	6	6
Incense	6	5	11	16	3	13
Chimney/Flues	1	1	0	6	0	0
Heat From Molten Metal / Slag	0	0	0	7	0	0
Heat or Sparks from Friction	4	3	0	1	2	0



# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Annual Comparison of Fire Injuries by Cause

For the period 1/1/2011 through 12/31/2016

Cause of Fire	Calendar Year					
	2011	2012	2013	2014	2015	2016
Brands	2	0	0	0	0	0
Other - Hot Objects	6	2	16	16	9	13
Hot Embers	2	6	0	0	1	1
Heat from an Iron	0	0	0	0	0	1
Other - Ignitable Liquid/Gas	7	4	1	10	7	6
Ignitable Liquids/Gases - Gasoline	3	21	6	6	5	2
Ignitable Liquids/Gases - Natural Gas	3	0	15	38	30	17
Ignitable Liquids/Gases - Propane	7	2	1	0	2	0
Other - Gas	5	3	1	3	1	0
Ignitable Liquids/Gases - Pesticide Fogger	1	1	9	0	1	0
Ignitable Liquid- Polyurethane/Varnish/PaintThinner	4	1	1	6	1	1
Other - Liquid	4	2	1	2	4	1
Ignitable Liquids/Gases - Lighter Fluid	1	0	0	1	1	0
Ignitable Liquids/Gases - Fuel Oil	2	1	0	0	0	0
Incendiary - Self Immolation	1	1	1	1	0	0
Incendiary - Combustible Material	80	39	58	68	52	31
Incendiary	30	15	25	12	48	59
Incendiary - Ignitable Liquid	12	15	18	2	11	3
Incendiary - Torch - Illegal Use of	1	0	1	0	3	0
Incendiary - Fireworks	0	1	2	0	3	1
Incendiary - Reckless Use of Open Flame	3	0	0	0	0	2
Incendiary - Attempted Suicide	1	0	2	1	0	2
Incendiary - Suicide	0	0	1	0	0	0
Incendiary - Explosives	0	0	0	0	0	1
Motors - Fan	1	4	0	0	2	0
Motors - Fossil Fuel Powered	0	1	1	1	3	3
Motors - Elevator	0	0	0	1	0	0
Motors - Electric	0	1	0	1	0	5
Other Motor	0	1	1	0	1	1
Spontaneous Combustion	2	2	0	1	3	1

# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Annual Comparison of Fire Injuries by Cause

For the period 1/1/2011 through 12/31/2016

Cause of Fire	Calendar Year					
	2011	2012	2013	2014	2015	2016
Lightning	0	2	0	0	0	0
Other - Open Flame	12	13	16	13	21	14
Candle	79	64	112	67	64	65
Matches/Lighter	17	13	12	2	22	29
Child Playing w/Matches/Lighter	27	27	49	21	31	29
Torch - Legal Use of	3	5	9	3	6	8
Aerosol Can	3	6	9	3	9	6
Fireplace	0	0	0	2	5	0
Child Playing w/ Other Open Flame	9	3	7	12	2	1
Exothermic Chemical Reaction	2	3	1	0	3	3
Other	1	1	2	1	5	21
Not Ascertained	2	3	0	2	2	2
Albany Burn Notif. Unrelated to a Fire/Explosion	1	0	0	0	0	0
SIU Investigation	0	0	0	0	0	1
Juvenile Firesetter Intervention	0	0	0	0	0	1
Smoking (Cigarette/Cigar)	93	70	69	85	92	108
<b>Grand Total All Causes</b>	<b>988</b>	<b>853</b>	<b>1017</b>	<b>977</b>	<b>1081</b>	<b>1004</b>

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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Injuries by Category & Cause

For the period 1/1/2016 through 12/31/2016

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### Fire Category: Appliances

Cause of Fire	Count
Clothes Dryer	3
Clothes Dryer - Electric	6
Clothes Dryer - Natural Gas	12
Clothes Washer	2
Microwave	2
Other Appliance	7
Refrigeration Compressor	1
Stove - Natural Gas	18
Stove - Wood	1
<b>Appliances Total</b>	<b>52</b>

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### Fire Category: Cooking Carelessness

Cause of Fire	Count
Barbecue - Propane	1
Cooking Fire Extending to Clothing or Combustibles	13
Food on the Stove	61
Stove/Cooking - Electric	1
Stove/Cooking - Fryer	6
Stove/Cooking - Other	28
Stove/Cooking - Stove	18
<b>Cooking Carelessness Total</b>	<b>128</b>

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### Fire Category: Electrical

Cause of Fire	Count
Appliance Cord	10
Electrical Wiring	184
Extension Cord	50
Feeder Cable	5
Fuse/Circuit Breaker Panel	4
Hard Wire Outlet	13
Lighting Fixture	2

# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Fire Injuries by Category & Cause

For the period 1/1/2016 through 12/31/2016

### Fire Category: Electrical

Cause of Fire	Count
Other - Electrical	38
Power Strip	14
Transformer	2
Vehicle Wiring	9
<b>Electrical Total</b>	<b>331</b>

### Fire Category: Electrical Devices

Cause of Fire	Count
Computer Component(s)	1
Other Audio Visual Equipment	2
<b>Electrical Devices Total</b>	<b>3</b>

### Fire Category: Heaters

Cause of Fire	Count
Heaters - Other	2
Permanent Heater - Gas	2
Permanent Heater - Oil	2
Portable Heater	4
Portable Heater - Electric	11
Portable Heater - Kerosene	1
<b>Heaters Total</b>	<b>22</b>

### Fire Category: Hot Objects

Cause of Fire	Count
Heat from an Iron	1
Heat from Light Bulb	6
Hot Embers	1
Incense	13
Other - Hot Objects	13
<b>Hot Objects Total</b>	<b>34</b>

# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Injuries by Category & Cause

For the period 1/1/2016 through 12/31/2016



### Fire Category: Ignitable

Cause of Fire	Count
Ignitable Liquid-Polyurethane/Varnish/PaintThinner	1
Ignitable Liquids/Gases - Gasoline	2
Ignitable Liquids/Gases - Natural Gas	17
Other - Ignitable Liquid/Gas	6
Other - Liquid	1
<b>Ignitable Total</b>	<b>27</b>

### Fire Category: Incendiary

Cause of Fire	Count
Incendiary	59
Incendiary - Attempted Suicide	2
Incendiary - Combustible Material	31
Incendiary - Explosives	1
Incendiary - Fireworks	1
Incendiary - Ignitable Liquid	3
Incendiary - Reckless Use of Open Flame	2
<b>Incendiary Total</b>	<b>99</b>

### Fire Category: Motors

Cause of Fire	Count
Motors - Electric	5
Motors - Fossil Fuel Powered	3
Other Motor	1
<b>Motors Total</b>	<b>9</b>

### Fire Category: Natural Sources

Cause of Fire	Count
Spontaneous Combustion	1
<b>Natural Sources Total</b>	<b>1</b>

# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Fire Injuries by Category & Cause

For the period 1/1/2016 through 12/31/2016

### Fire Category: No Fire

Cause of Fire	Count
Fireworks Related	4
Other - No Fire	6
<b>No Fire Total</b>	<b>10</b>

### Fire Category: Open Flame

Cause of Fire	Count
Aerosol Can	6
Candle	65
Child Playing w/ Other Open Flame	1
Child Playing w/Matches/Lighter	29
Matches/Lighter	29
Other - Open Flame	14
Torch - Legal Use of	8
<b>Open Flame Total</b>	<b>152</b>

### Fire Category: Other

Cause of Fire	Count
Exothermic Chemical Reaction	3
Juvenile Firesetter Intervention	1
Not Ascertained	2
Other	21
SIU Investigation	1
<b>Other Total</b>	<b>28</b>

### Fire Category: Smoking

Cause of Fire	Count
Smoking (Cigarette/Cigar)	108
<b>Smoking Total</b>	<b>108</b>

**Grand Total:** 1004

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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Injuries by Borough & Type of Injury

For the period 1/1/2016 through 12/31/2016

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Injury	Bronx	Brooklyn	Manhattan	Queens	Staten Island	Totals
Burns	22	28	26	42	11	129
Carbon Monoxide	0	4	0	0	1	5
Other	11	18	6	21	1	57
RMA	26	34	26	39	6	131
Smoke	134	182	133	139	25	613
Smoke/Burns	7	10	15	10	1	43
Trauma	12	6	1	6	1	26
<b>Sub-Totals:</b>	<b>212</b>	<b>282</b>	<b>207</b>	<b>257</b>	<b>46</b>	<b>1004</b>
<b>Citywide Total:</b>	<b>1004</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 1/1/2016 through 12/31/2016

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CB	Bronx	Brooklyn	Manhattan	Queens	Staten Island
01	17	19	13	65	18
02	22	14	3	7	16
03	20	28	21	28	12
04	17	13	12	17	0
05	15	20	12	11	0
06	21	18	2	0	0
07	15	13	10	22	0
08	16	6	16	11	0
09	22	16	20	14	0
10	6	7	47	17	0
11	17	10	31	4	0
12	24	18	20	34	0
13	0	9	0	16	0
14	0	12	0	11	0
15	0	18	0	0	0
16	0	23	0	0	0
17	0	21	0	0	0
18	0	17	0	0	0
<b>Sum Total:</b>	<b>212</b>	<b>282</b>	<b>207</b>	<b>257</b>	<b>46</b>
<b>Total Fire Injuries:</b>	<b>1004</b>				

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Monthly Fire Injuries by Borough

For the period 1/1/2016 through 12/31/2016

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### For Calendar Year 2016

		Bronx	Brooklyn	Manhattan	Queens	Staten Island	Totals
<b>January</b>	2016	13	26	31	24	3	97
<b>February</b>	2016	33	26	14	25	6	104
<b>March</b>	2016	8	42	7	11	6	74
<b>April</b>	2016	39	31	7	13	3	93
<b>May</b>	2016	14	23	29	18	5	89
<b>June</b>	2016	7	16	19	10	4	56
<b>July</b>	2016	15	27	11	12	2	67
<b>August</b>	2016	22	9	20	28	3	82
<b>September</b>	2016	22	13	2	46	2	85
<b>October</b>	2016	3	16	20	20	4	63
<b>November</b>	2016	15	11	19	17	8	70
<b>December</b>	2016	21	42	28	33	0	124
<b>Totals:</b>		<b>212</b>	<b>282</b>	<b>207</b>	<b>257</b>	<b>46</b>	<b>1004</b>

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Fire Injuries by Hour of Occurance and Borough

For the period 1/1/2016 through 12/31/2016

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For Calendar Year 2016

	Bronx	Brooklyn	Manhattan	Queens	Staten Island	Totals
0000 - 0059	9	13	6	19	1	48
0100 - 0159	2	7	2	6	0	17
0200 - 0259	25	6	6	7	0	44
0300 - 0359	4	10	7	4	3	28
0400 - 0459	5	5	3	11	1	25
0500 - 0559	5	12	3	6	1	27
0600 - 0659	19	13	16	18	2	68
0700 - 0759	10	8	3	3	4	28
0800 - 0859	5	9	11	3	1	29
0900 - 0959	23	10	2	6	2	43
1000 - 1059	3	11	28	10	3	55
1100 - 1159	6	11	11	11	1	40
1200 - 1259	17	26	2	6	3	54
1300 - 1359	6	7	4	10	3	30
1400 - 1459	5	14	7	5	4	35
1500 - 1559	9	15	0	28	5	57
1600 - 1659	8	13	14	14	3	52
1700 - 1759	4	10	14	13	1	42
1800 - 1859	17	17	15	19	2	70
1900 - 1959	9	17	11	11	1	49
2000 - 2059	9	6	13	20	2	50
2100 - 2159	7	22	4	6	2	41
2200 - 2259	1	16	21	6	0	44
2300 - 2359	4	4	4	15	1	28
Unknown	0	0	0	0	0	0
<b>Totals:</b>	<b>212</b>	<b>282</b>	<b>207</b>	<b>257</b>	<b>46</b>	<b>1004</b>

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Fire Injuries by Race/Ethnicity and Occupancy

For the period 1/1/2016 through 12/31/2016

Occupancy Type	Caucasian	African American	Asian	Hispanic	American Indian	Unknown
Boat	4	0	1	1	0	3
Burn Notification	3	0	0	2	0	1
Commercial Structure	7	4	3	22	0	23
Garage/Shed	2	0	0	2	0	1
Group Home	1	0	0	0	0	0
Hospital	0	2	0	1	0	1
Hotel	1	0	0	3	0	1
Manhole	1	0	0	0	0	0
MD Residential Structure	74	167	15	207	0	121
No Fire	0	1	0	1	0	2
Other	8	4	0	2	0	1
Outside Rubbish	1	0	0	2	0	0
PD Residential Structure	90	79	13	47	0	37
Religious Structure	2	0	4	0	0	0
School	1	2	0	3	0	2
Street	1	0	0	1	0	1
Transformer	1	0	0	0	0	0
Vehicle	5	5	1	5	0	8
<b>Sub-Totals:</b>	<b>202</b>	<b>264</b>	<b>37</b>	<b>299</b>	<b>0</b>	<b>202</b>

**Total Fire Injuries: 1004**

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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Injuries by Age and Gender

For the period 1/1/2016 through 12/31/2016



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Victim Age	Female	Male	Unknown	Totals
01-04	32	36	1	69
05-09	26	26	5	57
10-12	13	6	0	19
13-19	35	19	1	55
20-29	61	50	1	112
30-39	64	55	4	123
40-49	51	58	3	112
50-59	58	59	0	117
60-69	53	48	1	102
70-79	36	15	0	51
80-89	16	9	1	26
90-Over	13	5	0	18
Unknown	52	67	24	143
<b>TOTALS</b>	<b>510</b>	<b>453</b>	<b>41</b>	<b>1004</b>

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Fire Injuries Related to Vehicles

For the period 1/1/2016 through 12/31/2016

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### Electrical

Cause of Fire	Vehicle Fires	Motor Vehicle Accidents
Electrical Wiring	9	0
Vehicle Wiring	8	0
<b>Electrical Total:</b>	<b>17</b>	

### Motors

Cause of Fire	Vehicle Fires	Motor Vehicle Accidents
Motors - Fossil Fuel Powered	2	0
<b>Motors Total:</b>	<b>2</b>	

### Other

Cause of Fire	Vehicle Fires	Motor Vehicle Accidents
Other	9	1
<b>Other Total:</b>	<b>9</b>	

### Smoking

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

<b>Grand Total:</b>	<b>29</b>	<b>2</b>
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Of the 29 fire injuries 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 Injuries

For the period 1/1/2012 through 12/31/2016

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### For Calendar Year 2016

Smoke Detector Present:	546
Working:	428
Not Present:	110
Not Applicable:	62
Present Unknown if operational:	127
Unknown	159
<b>Total</b>	<b>1004</b>

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### For Calendar Year 2015

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>

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### For Calendar Year 2014

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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### For Calendar Year 2013

Smoke Detector Present:	492
Working:	362
Not Present:	115
Not Applicable:	47
Present Unknown if operational:	108
Unknown	255
<b>Total</b>	<b>1017</b>

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### For Calendar Year 2012

Smoke Detector Present:	418
Working:	308
Not Present:	110
Not Applicable:	39
Present Unknown if operational:	83
Unknown	203
<b>Total</b>	<b>853</b>

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# Bureau of Fire Investigation

## Investigative Management and Reporting System



# 2016 Annual Report on Arrests



Veritas ex Cineribus





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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Arrests Summary Report

For the period 1/1/2016 through 12/31/2016

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**Total Arrests Recorded at B.F.I.** 336

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Arrests by Bureau of Fire Investigation:

**Bureau of Fire Investigation Arrests** Total: 217

Arson	101
Fire Related	29
Arson Related	25
MFA	34
Other	18
Fireworks Arrest	9
Admin	1

**Other Law Enforcement Arrests** Total: 118

Arson (BFI Assist)	38
Other (BFI Assist)	65
Arson Related Arrest	15

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**Total BFI Arrests and Assists** 336

All BFI Arrests	217
Other L/E Arrests - BFI Assisting	118
Arrest Type Not Defined	1

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**Total Summons:** 3

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Summons	3
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Fireworks Summons

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**Miscellaneous Information:**

Arrests involving Auto Fires	39
Juvenile Arrests, under sixteen years of age	9
Referrals to the Juvenile Unit in lieu of Arrests	69
Arrests as a result of New York State Burn Law	3
Arrests by City Wide SIU	19
Arrests by Headquarters CIU	0
Arrests Involving Fireworks	12

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



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

For the period 1/1/2016 through 12/31/2016

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CB	Bronx	Brooklyn	Manhattan	Queens	Staten Island	Out of NYC
	0	0	1	0	0	0
01	9	2	2	32	17	0
02	4	2	1	9	8	0
03	10	5	8	7	3	0
04	5	7	2	1	0	0
05	7	10	7	5	0	0
06	2	2	5	1	0	0
07	4	0	4	3	0	0
08	3	7	12	7	0	0
09	10	0	2	10	0	0
10	2	2	2	1	0	0
11	4	8	2	2	0	0
12	5	5	8	9	0	1
13	0	8	0	9	0	0
14	0	5	0	1	0	0
15	0	4	0	0	0	0
16	0	4	0	0	0	0
17	0	16	0	0	0	0
18	0	2	0	0	0	0
<b>Sum Total</b>	65	89	56	97	28	1

Total Arrests All Boroughs:

336

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## BFI Arrests by Borough

For the period 1/1/2016 through 12/31/2016

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Arrest Type	Bronx	Brooklyn	Manhattan	Queens	Staten Island	Out of NYC
Arson	23	18	13	36	11	0
MFA	3	21	2	8	0	0
Arson Related	5	8	5	5	2	0
Other	1	5	6	4	2	0
Fire Related	4	9	8	5	3	0
Fireworks Arrest	0	0	5	0	3	1
Admin	0	0	1	0	0	0
Totals	36	61	40	58	21	1

Total Arrests All Boroughs: 217

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## BFI Arrests by CB and Borough

For the period 1/1/2016 through 12/31/2016

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CB	Bronx	Brooklyn	Manhattan	Queens	Staten Island	Out of NYC
CB Not Defined	0	0	1	0	0	0
01	6	1	2	20	15	0
02	1	0	1	5	3	0
03	7	4	7	4	3	0
04	4	3	2	0	0	0
05	0	7	3	1	0	0
06	1	1	3	1	0	0
07	3	0	3	2	0	0
08	0	3	10	6	0	0
09	7	0	2	4	0	0
10	1	2	2	1	0	0
11	2	6	0	1	0	0
12	4	4	4	5	0	1
13	0	4	0	7	0	0
14	0	3	0	1	0	0
15	0	3	0	0	0	0
16	0	3	0	0	0	0
17	0	15	0	0	0	0
18	0	2	0	0	0	0
<b>Sum Total</b>	<b>36</b>	<b>61</b>	<b>40</b>	<b>58</b>	<b>21</b>	<b>1</b>

Total Arrests All Boroughs:

217

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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## BFI Arson Arrests by CB and Borough

For the period 1/1/2016 through 12/31/2016

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CB	Bronx	Brooklyn	Manhattan	Queens	Staten Island	Out of NYC
01	5	0	1	18	13	0
02	0	0	1	3	0	0
03	5	2	0	2	0	0
04	2	2	1	0	0	0
05	0	3	1	0	0	0
06	1	1	2	1	0	0
07	3	0	1	2	0	0
08	0	2	9	3	0	0
09	7	0	1	0	0	0
10	1	0	1	1	0	0
11	1	2	0	0	0	0
12	3	3	0	4	0	0
13	0	3	0	6	0	0
14	0	1	0	1	0	0
15	0	1	0	0	0	0
16	0	3	0	0	0	0
17	0	2	0	0	0	0
18	0	1	0	0	0	0
<b>Sum Total</b>	28	26	18	41	13	0

Total Arrests All Boroughs:

126

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Bronx Community Boards Arrest Breakdown

For the period 1/1/2016 through 12/31/2016

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CB	Arson	Arson L/E	MFA	Other	Other L/E	Fire Related
01	5	2	0	0	1	1
02	0	2	0	1	1	0
03	5	2	1	0	1	1
04	2	1	0	0	0	2
05	0	5	0	0	2	0
06	1	1	0	0	0	0
07	3	0	0	0	1	0
08	0	1	0	0	2	0
09	7	3	0	0	0	0
10	1	1	0	0	0	0
11	1	1	1	0	1	0
12	3	0	1	0	1	0
<b>Sum Total</b>	<b>28</b>	<b>19</b>	<b>3</b>	<b>1</b>	<b>10</b>	<b>4</b>

Total Arrests Bronx: 65

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Brooklyn Community Boards Arrest Breakdown

For the period 1/1/2016 through 12/31/2016

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CB	Arson	Arson L/E	MFA	Other	Other L/E	Fire Related
01	0	1	0	0	0	1
02	0	0	0	0	2	0
03	2	0	0	0	1	2
04	2	1	0	0	3	1
05	3	1	1	2	2	1
06	1	0	0	0	1	0
08	2	0	0	0	4	1
10	0	0	1	0	0	1
11	2	0	4	0	2	0
12	3	0	0	1	1	0
13	3	0	0	1	4	0
14	1	0	0	0	2	2
15	1	0	2	0	1	0
16	3	0	0	0	1	0
17	2	0	12	1	1	0
18	1	0	1	0	0	0
<b>Sum Total</b>	<b>26</b>	<b>3</b>	<b>21</b>	<b>5</b>	<b>25</b>	<b>9</b>

Total Arrests Brooklyn: 89

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Manhattan Community Boards Arrest Breakdown

For the period 1/1/2016 through 12/31/2016

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CB	Arson	Arson L/E	MFA	Other	Other L/E	Fire Related	Admin
CB Not Defined	0	0	0	1	0	0	0
01	1	0	0	0	0	1	0
02	1	0	0	0	0	0	0
03	0	0	0	2	1	5	0
04	1	0	0	1	0	0	0
05	1	0	0	2	4	0	0
06	2	2	1	0	0	0	0
07	1	0	1	0	1	1	0
08	9	2	0	0	0	0	1
09	1	0	0	0	0	1	0
10	1	0	0	0	0	1	0
11	0	0	0	0	2	0	0
12	0	2	0	0	1	4	0
<b>Sum Total</b>	<b>18</b>	<b>6</b>	<b>2</b>	<b>6</b>	<b>9</b>	<b>13</b>	<b>1</b>

Total Arrests  
Manhattan:

55



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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Queens Community Boards Arrest Breakdown

For the period 1/1/2016 through 12/31/2016

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CB	Arson	Arson L/E	MFA	Other	Other L/E	Fire Related
01	18	12	1	0	0	1
02	3	4	1	0	0	1
03	2	0	0	1	3	1
04	0	0	0	0	1	0
05	0	2	0	0	2	1
06	1	0	0	0	0	0
07	2	0	0	0	1	0
08	3	0	2	1	1	0
09	0	3	2	1	3	1
10	1	0	0	0	0	0
11	0	1	1	0	0	0
12	4	1	0	1	3	0
13	6	1	1	0	1	0
14	1	0	0	0	0	0
<b>Sum Total</b>	<b>41</b>	<b>24</b>	<b>8</b>	<b>4</b>	<b>15</b>	<b>5</b>

Total Arrests Queens: 97

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Staten Island Community Boards Arrest Breakdown

For the period 1/1/2016 through 12/31/2016

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CB	Arson	Arson L/E	MFA	Other	Other L/E	Fire Related
01	13	1	0	0	1	2
02	0	0	0	1	5	2
03	0	0	0	1	0	2
<b>Sum Total</b>	<b>13</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>6</b>	<b>6</b>

Total Arrests Staten Island: 28

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Other Law Enforcement Arrests\_BFI Assists by Borough

For the period 1/1/2016 through 12/31/2016

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Arrest Type	Bronx	Brooklyn	Manhattan	Queens	Staten Island	Out of NYC
Arson	19	3	6	24	1	0
Other	10	25	9	15	6	0
<b>Totals</b>	<b>29</b>	<b>28</b>	<b>15</b>	<b>39</b>	<b>7</b>	<b>0</b>

**Total Arrests All Boroughs: 118**

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



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

For the period 1/1/2016 through 12/31/2016

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CB	Bronx	Brooklyn	Manhattan	Queens	Staten Island	Out of NYC
01	3	1		12	2	
02	3	2		4	5	
03	3	1	1	3		
04	1	4		1		
05	7	3	4	4		
06	1	1	2			
07	1		1	1		
08	3	4	2	1		
09	3			6		
10	1					
11	2	2	2	1		
12	1	1	3	4		
13		4		2		
14		2				
15		1				
16		1				
17		1				
<b>Sum Total</b>	<b>29</b>	<b>28</b>	<b>15</b>	<b>39</b>	<b>7</b>	<b>0</b>

**Total Arrests All Boroughs: 118**