

# Bureau of Fire Investigation

## Investigative Management and Reporting System



# 2017

# 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 G. Kane**

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

Supervising Fire Marshal  
John P. Watkins  
Program Administrator

Fire Marshal  
Philip J. Pillet  
Medical Examiner Liaison

Computer Associate  
Dean Eliades  
Application Analyst

Principal Administrative Associate  
Dana Holland  
Records Management Supervisor



# Bureau of Fire Investigation

## Investigative Management and Reporting System

### **Section 1: Total Investigations Analysis**

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Summary of All Investigations by Percentage

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Monthly Fire Injuries by Borough  
Fire Injuries by Hour of Occurrence & Borough  
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Fire Injuries by Age & Gender  
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Other Law Enforcement Arrests / BFI Assists by Community Board & Borough



# **Bureau of Fire Investigation**

## **Investigative Management and Reporting System**



# **2017**

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## **on**

# **Total Investigations**



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## Summary of Investigations by Type

For the period 1/1/2017 through 12/31/2017

Type of Investigation	Total
<b>Total Fire Investigation:</b>	<b>6408</b>
<b>Total Non Fire Investigation:</b>	<b>1009</b>
Albany Burn Notif. Unrelated to a Fire/Explosion	276
MFA	146
Other - No Fire	170
Juvenile Firesetter Intervention	131
Albany Burn Notif. Related to a Previous BFI Inv.	222
Albany Burn Notif. / Pending Investigation	9
Fireworks Related	5
SIU Investigation	24
Threat to Burn	8
Fraudulent Placard Investigation	6
Juvenile Firesetter Community Outreach	0
Theft from Quarters	2
Electrocution - Electrical Burns to Person	2
Headquarters Investigation	4
Carbon Monoxide Incident	3
Juvenile Firesetter Follow Up	1
Juvenile Firesetter School Visit	0
Fire Category Not Defined	11
<b>Cases Received:</b>	<b>7417</b>
<b>Preliminary Investigation Only:</b>	<b>1554</b>
<b>Total Investigation</b>	<b>5863</b>

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## Summary of Fire Investigation Cases by Percentage

For the period 1/1/2017 through 12/31/2017

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Fire Causes	Total
<b>Preliminary Investigation Only</b> Percentage of Investigations Conducted	1554 26.51%
<b>Incendiary</b> Percentage of Investigations Conducted	1563 26.66%
<b>Electrical</b> Percentage of Investigations Conducted	857 14.62%
<b>Smoking</b> Percentage of Investigations Conducted	912 15.56%
<b>Albany Burn Notifi. Unrelated to a Fire/Explosion</b> Percentage of Investigations Conducted	276 4.71%
<b>Open Flame</b> Percentage of Investigations Conducted	398 6.79%
<b>Cooking Carelessness</b> Percentage of Investigations Conducted	333 5.68%
<b>No Fire</b> Percentage of Investigations Conducted	201 3.43%
<b>Hot Objects</b> Percentage of Investigations Conducted	259 4.42%
<b>Appliance</b> Percentage of Investigations Conducted	158 2.69%
<b>MFA</b> Percentage of Investigations Conducted	146 2.49%
<b>Juvenile Firesetter Intervention</b> Percentage of Investigations Conducted	131 2.23%
<b>Other</b> Percentage of Investigations Conducted	101 1.72%

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Summary of Fire Investigation Cases by Percentage

For the period 1/1/2017 through 12/31/2017

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Fire Causes	Total
<b>Heaters</b> Percentage of Investigations Conducted	73 1.25%
<b>Albany Burn Notifi. Related to a Previous BFI Inv.</b> Percentage of Investigations Conducted	222 3.79%
<b>Ignitable Liquid/Gas</b> Percentage of Investigations Conducted	50 0.85%
<b>Motors</b> Percentage of Investigations Conducted	111 1.89%
<b>Natural Sources</b> Percentage of Investigations Conducted	32 0.55%
<b>Juvenile Firesetter Community Outreach</b> Percentage of Investigations Conducted	0 0.00%
<b>Electrical Devices</b> Percentage of Investigations Conducted	9 0.15%
<b>Not Ascertained</b> Percentage of Investigations Conducted	19 0.32%
<b>Juvenile Firesetter Follow Up</b> Percentage of Investigations Conducted	1 0.02%
<b>Fire Category Not Defined</b>	11
Cases Received:	7417
Preliminary Investigation Only:	1554
Total Investigation	5863

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# **Bureau of Fire Investigation**

## **Investigative Management and Reporting System**



# **2017**

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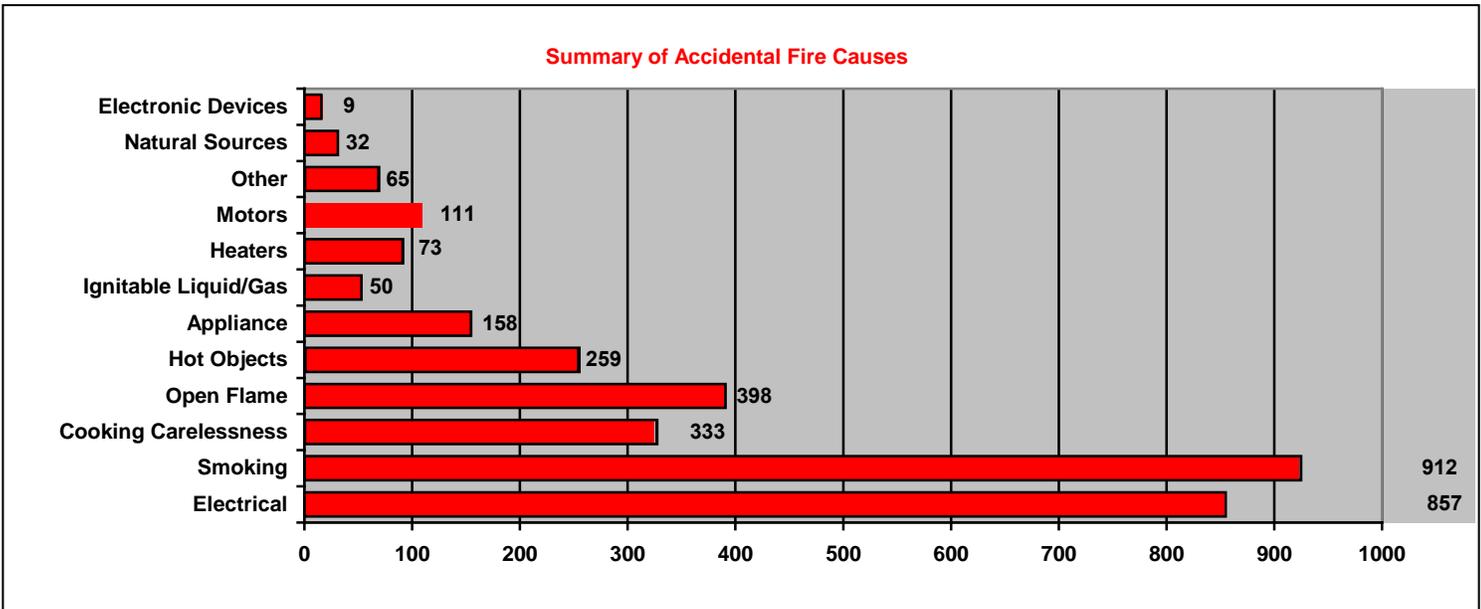
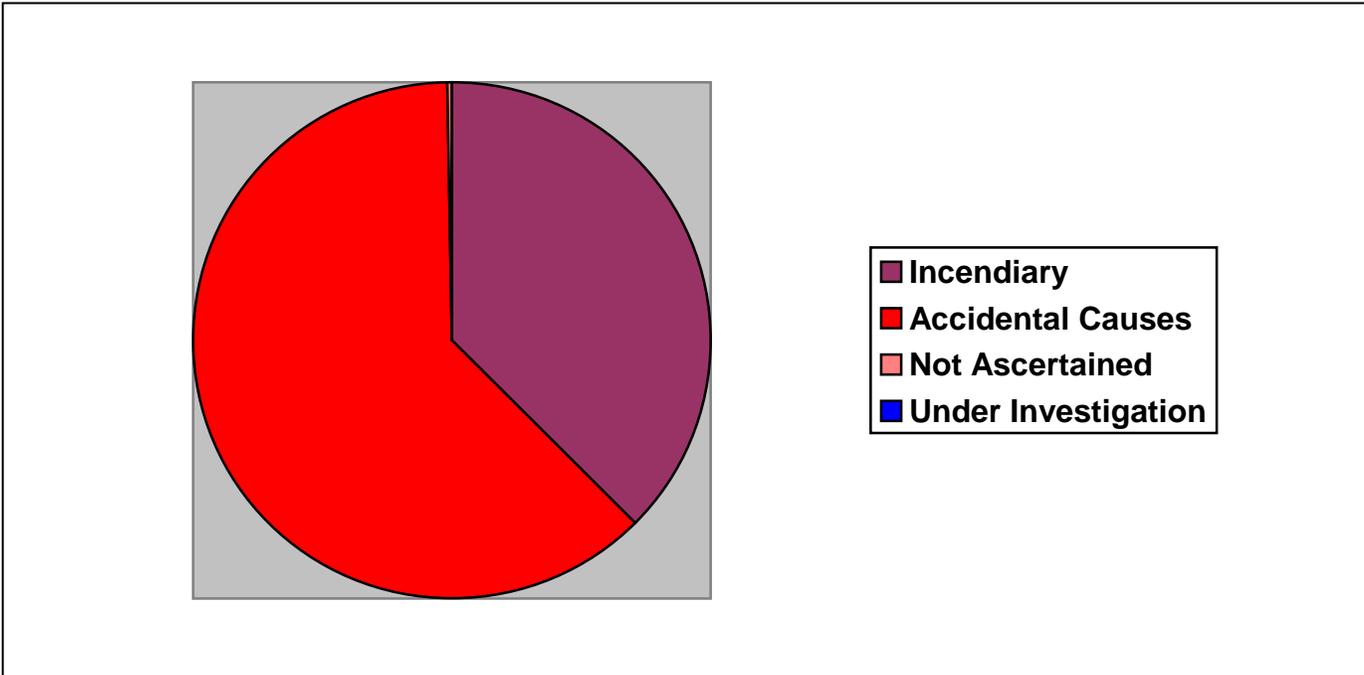
# **Fire Causes**



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Bureau of Fire Investigation  
 Investigative Management and Reporting System  
**SUMMARY OF FIRE CAUSES INVESTIGATED BY**  
**CATEGORY** Period: January 1, 2017 through December 31, 2017



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## Summary of Fire Causes Investigated by Category

For the period 1/1/2017 through 12/31/2017

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Cause of Fire Category	Total
<b>Incendiary</b> Percentage of Investigations Conducted	1563 32.27%
<b>Smoking</b> Percentage of Investigations Conducted	912 18.83%
<b>Electrical</b> Percentage of Investigations Conducted	857 17.70%
<b>Open Flame</b> Percentage of Investigations Conducted	398 8.22%
<b>Cooking Carelessness</b> Percentage of Investigations Conducted	333 6.88%
<b>Hot Objects</b> Percentage of Investigations Conducted	259 5.35%
<b>Appliance</b> Percentage of Investigations Conducted	158 3.26%
<b>Heaters</b> Percentage of Investigations Conducted	73 1.51%
<b>Other</b> Percentage of Investigations Conducted	65 1.34%
<b>Ignitable Liquid/Gas</b> Percentage of Investigations Conducted	50 1.03%
<b>Motors</b> Percentage of Investigations Conducted	111 2.29%
<b>Natural Sources</b> Percentage of Investigations Conducted	32 0.66%
<b>Electrical Devices</b> Percentage of Investigations Conducted	9 0.19%

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## Summary of Fire Causes Investigated by Category

For the period 1/1/2017 through 12/31/2017

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Cause of Fire Category	Total
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<b>Not Ascertained</b>	19
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Percentage of Investigations Conducted

0.39%

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<b>Under Investigation</b>	4
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Percentage of Investigations Conducted

0.08%

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<b>Fire Cases Received:</b>	<b>6397</b>
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<b>Preliminary Investigation Only:</b>	<b>1554</b>
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<b>Total Fire Investigation</b>	<b>4843</b>
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# Bureau Of Fire Investigation

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## Summary of Fire Causes

For the period 1/1/2017 through 12/31/2017

Fire Category:	Appliances	Count
<b>Cause of Fire</b>		
Clothes Dryer - Natural Gas		40
Stove - Wood		1
Clothes Dryer		30
Stove - Natural Gas		27
Other Appliance		27
Microwave		6
Stove - Electric		5
Washer/Dryer Combo		3
Dishwasher		2
Refrigeration Compressor		8
Stove - Coal		1
Clothes Dryer - Electric		6
Code Not Defined		1
Clothes Washer		1
<b>Appliances Total:</b>		<b>158</b>

Fire Category:	Cooking Carelessness	Count
<b>Cause of Fire</b>		
Stove/Cooking - Other		56
Food on the Stove		113
Stove/Cooking - Stove		53
Rangehood Fire - Ductwork		12
Cooking Fire Extending to Clothing or Combustibles		42
Stove/Cooking - Fryer		14
Stove/Cooking - Electric		11
Code Not Defined		1
Barbecue - Wood/Charcoal		21
Barbecue - Propane		7
Stove/Cooking - Toaster Oven		3
<b>Cooking Carelessness Total:</b>		<b>333</b>

# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Summary of Fire Causes

For the period 1/1/2017 through 12/31/2017

Fire Category:	Electrical	
Cause of Fire		Count
Electrical Wiring		529
Power Strip		31
Extension Cord		87
Lighting Fixture		26
Other - Electrical		89
Hard Wire Outlet		24
Appliance Cord		19
Vehicle Wiring		20
Transformer		4
Fuse/Circuit Breaker Panel		10
Ballast		1
Arc Welding		3
Feeder Cable		9
Service		4
Holiday Lighting		1
<b>Electrical Total:</b>		<b>857</b>

Fire Category:	Electrical Devices	
Cause of Fire		Count
Computer Component(s)		6
Other Audio Visual Equipment		3
<b>Electrical Devices Total:</b>		<b>9</b>

Fire Category:	Heaters	
Cause of Fire		Count
Permanent Heater - Gas		6
Portable Heater - Electric		32
Portable Heater		6
Permanent Heater		5
Heaters - Other		6
Permanent Heater - Oil		9
Permanent Heater - Electric		6

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Summary of Fire Causes

For the period 1/1/2017 through 12/31/2017

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<b>Fire Category: Heaters</b>	
<b>Cause of Fire</b>	<b>Count</b>
Portable Heater - Natural Gas	2
Portable Heater - Kerosene	1
<b>Heaters Total:</b>	<b>73</b>

<b>Fire Category: Hot Objects</b>	
<b>Cause of Fire</b>	<b>Count</b>
Heat from Light Bulb	42
Other - Hot Objects	68
Incense	60
Heat or Sparks from Friction	32
Hot Embers	21
Heat from an Iron	2
Chimney/Flues	18
Heat From Molten Metal / Slag	14
Brands	1
Code Not Defined	1
<b>Hot Objects Total:</b>	<b>259</b>

<b>Fire Category: Ignitable</b>	
<b>Cause of Fire</b>	<b>Count</b>
Ignitable Liquids/Gases - Pesticide Fogger	7
Ignitable Liquids/Gases - Gasoline	9
Other - Ignitable Liquid/Gas	7
Ignitable Liquids/Gases - Natural Gas	12
Ignitable Liquid-Polyurethane/Varnish/PaintThinner	9
Other - Gas	2
Other - Liquid	1
Ignitable Liquids/Gases - Fuel Oil	1
Ignitable Liquids/Gases - Lighter Fluid	2
<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 1/1/2017 through 12/31/2017

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<b>Fire Category:</b>	<b>Incendiary</b>	
<b>Cause of Fire</b>		<b>Count</b>
Incendiary - Combustible Material		563
Incendiary		860
Incendiary - Ignitable Liquid		60
Incendiary - Reckless Use of Open Flame		15
Incendiary - Self Immolation		3
Incendiary - Torch - Illegal Use of		18
Incendiary - Explosives		5
Incendiary - Attempted Suicide		4
Incendiary - Attempted Arson		3
Incendiary - Fireworks		28
Incendiary - Suicide		2
Code Not Defined		1
Incendiary - Combustible Gas		1
<b>Incendiary Total:</b>		<b>1563</b>

<b>Fire Category:</b>	<b>Motors</b>	
<b>Cause of Fire</b>		<b>Count</b>
Motors - Fossil Fuel Powered		71
Motors - Compressors		8
Motors - Electric		12
Motors - Fan		9
Other Motor		7
Motors - Elevator		4
<b>Motors Total:</b>		<b>111</b>

<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 1/1/2017 through 12/31/2017

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<b>Fire Category:</b>	<b>Open Flame</b>	
<b>Cause of Fire</b>		<b>Count</b>
Candle		175
Child Playing w/Matches/Lighter		52
Matches/Lighter		25
Torch - Legal Use of		55
Other - Open Flame		73
Fireplace		7
Child Playing w/ Other Open Flame		8
Aerosol Can		3
<b>Open Flame Total:</b>		<b>398</b>

<b>Fire Category:</b>	<b>Other</b>	
<b>Cause of Fire</b>		<b>Count</b>
Exothermic Chemical Reaction		24
Other		36
Not Ascertained		19
Code Not Defined		3
Rekindle		2
Under Investigation		4
<b>Other Total:</b>		<b>88</b>

<b>Fire Category:</b>	<b>Smoking</b>	
<b>Cause of Fire</b>		<b>Count</b>
Smoking (Cigarette/Cigar)		911
Code Not Defined		1
<b>Smoking Total:</b>		<b>912</b>

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**Grand Total:** **4843**

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# **Bureau of Fire Investigation**

## **Investigative Management and Reporting System**



# **2017**

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## **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 1/1/2017 through 12/31/2017

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Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Incendiary Fires
<b>Bronx</b>	276	21	<b>297</b>	53	33	<b>383</b>
<b>Brooklyn</b>	362	19	<b>381</b>	60	47	<b>488</b>
<b>Manhattan</b>	300	2	<b>302</b>	21	42	<b>365</b>
<b>Queens</b>	115	15	<b>130</b>	89	34	<b>253</b>
<b>Staten Island</b>	29	6	<b>35</b>	19	20	<b>74</b>
<b>Totals:</b>	<b>1082</b>	<b>63</b>	<b>1145</b>	<b>242</b>	<b>176</b>	<b>1563</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 1/1/2017 through 12/31/2017

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Incendiary Fires
<b>Bronx</b>						
CB						
01	66	4	70	5	4	79
02	12	2	14	2	3	19
03	33	0	33	3	1	37
04	11	1	12	3	4	19
05	30	2	32	4	2	38
06	15	2	17	2	1	20
07	17	3	20	4	3	27
08	11	0	11	2	0	13
09	45	1	46	12	1	59
10	9	0	9	4	5	18
11	6	1	7	3	4	14
12	21	5	26	9	5	40
Bronx CB Total	276	21	297	53	33	383

# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Summary of Incendiary Fires by Borough and Community Board

For the period 1/1/2017 through 12/31/2017

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Incendiary Fires
<b>Brooklyn</b>						
<b>CB</b>						
01	31	2	33	8	10	51
02	14	0	14	1	0	15
03	48	3	51	6	3	60
04	13	2	15	2	1	18
05	48	4	52	12	6	70
06	14	0	14	3	0	17
07	5	2	7	0	2	9
08	16	0	16	1	0	17
09	15	0	15	3	0	18
10	7	0	7	4	3	14
11	4	0	4	3	2	9
12	6	1	7	3	4	14
13	36	1	37	2	1	40
14	14	1	15	0	2	17
15	10	1	11	1	8	20
16	35	1	36	2	3	41
17	20	0	20	1	0	21
18	25	1	26	7	2	35
Out of NYC	1	0	1	1	0	2
<b>Brooklyn CB Total</b>	<b>362</b>	<b>19</b>	<b>381</b>	<b>60</b>	<b>47</b>	<b>488</b>

# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Summary of Incendiary Fires by Borough and Community Board

For the period 1/1/2017 through 12/31/2017

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Incendiary Fires
<b>Manhattan</b>						
CB						
01	5	0	5	3	1	9
02	4	0	4	1	9	14
03	74	2	76	2	5	83
04	13	0	13	2	5	20
05	11	0	11	0	6	17
06	9	0	9	1	2	12
07	22	0	22	1	4	27
08	9	0	9	0	1	10
09	23	0	23	3	2	28
10	44	0	44	2	2	48
11	70	0	70	1	3	74
12	15	0	15	4	2	21
13	0	0	0	1	0	1
Out of NYC	1	0	1	0	0	1
Manhattan CB Total	300	2	302	21	42	365

# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Summary of Incendiary Fires by Borough and Community Board

For the period 1/1/2017 through 12/31/2017

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Incendiary Fires
<b>Queens</b>						
<b>CB</b>						
01	28	2	30	8	8	46
02	5	2	7	4	2	13
03	2	0	2	2	4	8
04	5	2	7	1	0	8
05	5	0	5	7	3	15
06	1	0	1	1	5	7
07	8	1	9	7	1	17
08	6	1	7	1	1	9
09	5	1	6	3	3	12
10	1	0	1	30	1	32
11	1	0	1	3	0	4
12	19	3	22	10	1	33
13	11	2	13	6	2	21
14	17	1	18	6	3	27
<b>Out of NYC</b>	1	0	1	0	0	1
<b>Queens CB Total</b>	115	15	130	89	34	253

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# Bureau Of Fire Investigation

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## Summary of Incendiary Fires by Borough and Community Board

For the period 1/1/2017 through 12/31/2017

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Incendiary Fires
<b>Staten Island</b>						
CB						
01	21	4	25	5	6	36
02	5	2	7	4	11	22
03	3	0	3	9	3	15
05	0	0	0	1	0	1
Staten Island CB Total	29	6	35	19	20	74
<b>Grand Total All Boroughs</b>	1082	63	1145	242	176	1563

# Bureau of Fire Investigation

## Investigative Management and Reporting System



# 2017 Annual Report 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 1/1/2017 through 12/31/2017



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Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Accidental Fires
<b>Bronx</b>	609	8	<b>617</b>	33	49	<b>699</b>
<b>Brooklyn</b>	871	6	<b>877</b>	49	69	<b>995</b>
<b>Manhattan</b>	600	2	<b>602</b>	21	46	<b>669</b>
<b>Queens</b>	644	9	<b>653</b>	47	58	<b>758</b>
<b>Staten Island</b>	134	0	<b>134</b>	7	17	<b>158</b>
<b>Totals:</b>	<b>2858</b>	<b>25</b>	<b>2883</b>	<b>157</b>	<b>239</b>	<b>3279</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 1/1/2017 through 12/31/2017

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Accidental Fires
<b>Bronx</b>						
CB						
01	59	0	59	1	2	62
02	22	1	23	3	4	30
03	57	2	59	0	6	65
04	72	0	72	6	3	81
05	62	1	63	1	2	66
06	52	3	55	1	5	61
07	49	0	49	2	3	54
08	36	0	36	2	1	39
09	76	0	76	2	5	83
10	33	0	33	3	3	39
11	40	0	40	3	7	50
12	49	1	50	7	6	63
15	1	0	1	0	0	1
Out of NYC	1	0	1	2	2	5
Bronx CB Total	609	8	617	33	49	699

# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Summary of Accidental Fires by Borough and Community Board

For the period 1/1/2017 through 12/31/2017

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Accidental Fires
<b>Brooklyn</b>						
CB						
01	79	0	79	7	8	94
02	46	0	46	5	8	59
03	57	1	58	3	2	63
04	43	1	44	1	1	46
05	87	0	87	6	2	95
06	39	1	40	3	4	47
07	28	0	28	3	6	37
08	34	1	35	2	1	38
09	43	0	43	1	3	47
10	23	0	23	1	5	29
11	37	0	37	1	2	40
12	49	0	49	2	4	55
13	39	1	40	1	4	45
14	46	0	46	3	3	52
15	34	1	35	1	2	38
16	69	0	69	3	5	77
17	59	0	59	2	6	67
18	59	0	59	4	3	66
Brooklyn CB Total	871	6	877	49	69	995

# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Summary of Accidental Fires by Borough and Community Board

For the period 1/1/2017 through 12/31/2017

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Accidental Fires
<b>Manhattan</b>						
CB						
01	21	0	21	1	0	22
02	36	0	36	0	3	39
03	64	0	64	0	8	72
04	46	1	47	4	4	55
05	72	0	72	4	7	83
06	35	0	35	2	2	39
07	45	1	46	1	6	53
08	37	0	37	2	3	42
09	43	0	43	2	4	49
10	64	0	64	1	1	66
11	70	0	70	3	6	79
12	66	0	66	1	2	69
Out of NYC	1	0	1	0	0	1
Manhattan CB Total	600	2	602	21	46	669

# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Summary of Accidental Fires by Borough and Community Board

For the period 1/1/2017 through 12/31/2017

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Accidental Fires
<b>Queens</b>						
<b>CB</b>						
01	57	0	57	4	4	65
02	34	0	34	6	4	44
03	41	0	41	2	7	50
04	35	0	35	3	5	43
05	39	1	40	4	5	49
06	19	0	19	2	3	24
07	57	1	58	5	10	73
08	45	0	45	1	2	48
09	44	0	44	2	2	48
10	34	1	35	4	3	42
11	21	0	21	2	1	24
12	115	5	120	9	4	133
13	59	0	59	3	6	68
14	42	1	43	0	2	45
16	1	0	1	0	0	1
<b>Out of NYC</b>	1	0	1	0	0	1
<b>Queens CB Total</b>	644	9	653	47	58	758

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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 1/1/2017 through 12/31/2017

Borough	Occupied Building	Vacant Building	SubTotal Structural	Auto and Transit	Other	Total Accidental Fires
<b>Staten Island</b>						
<b>CB</b>						
CB Not Defined	1	0	1	0	0	1
01	75	0	75	3	9	87
02	23	0	23	2	3	28
03	35	0	35	2	5	42
Staten Island CB Total	134	0	134	7	17	158
<b>Grand Total All Boroughs</b>	2858	25	2883	157	240	3280

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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 1/1/2017 through 12/31/2017

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

# **Bureau of Fire Investigation**

## **Investigative Management and Reporting System**



# **2017**

# **Annual Report**

## **on**

# **Civilian Fire Fatalities**



Veritas ex Cineribus



**Bureau of Fire Investigation  
Investigative Management and Reporting System  
Fire Fatalities  
Period: January 1, 2017- December 31, 2017**



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**.

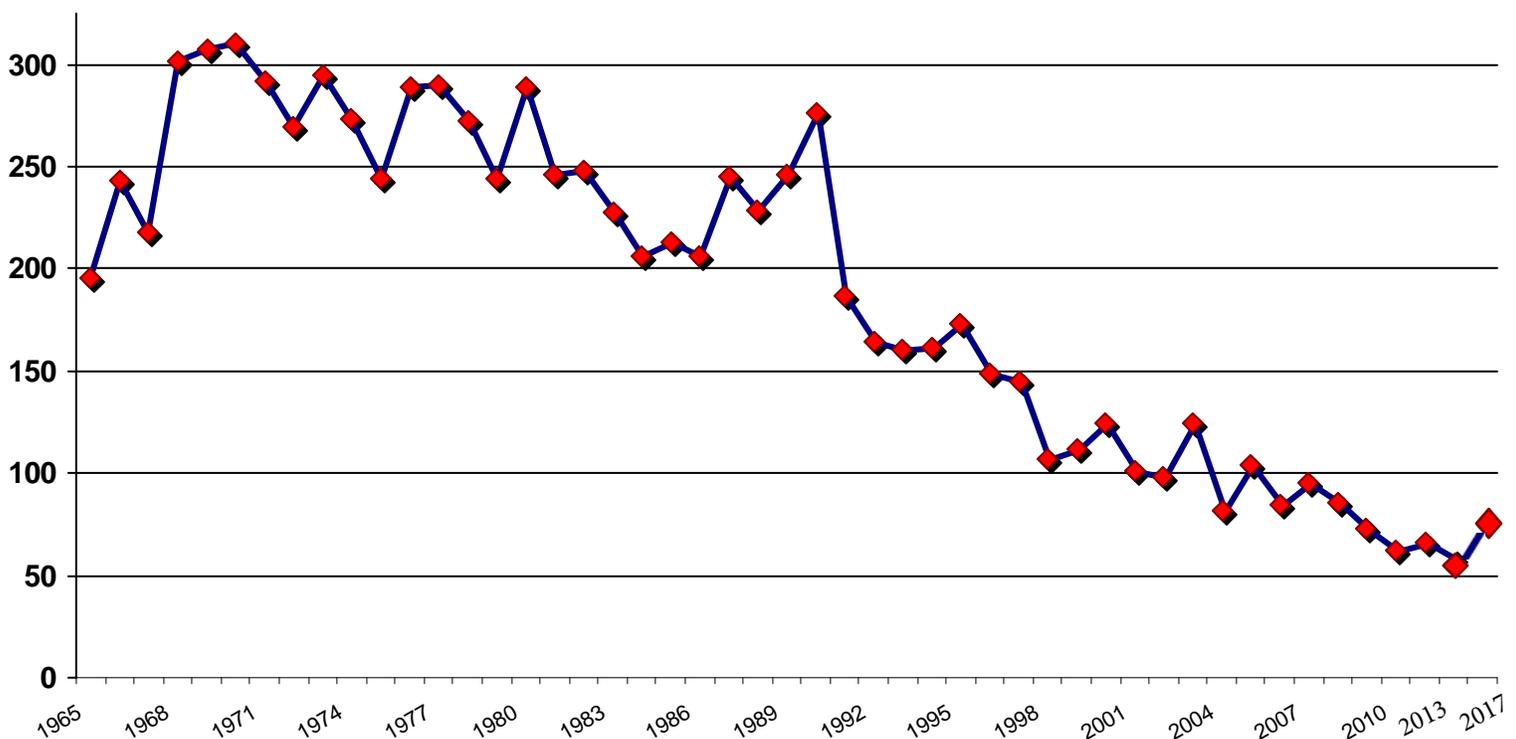
There are also many cases in which a fire death is initially deemed a 10-45 Code 4 (minor injury), and it is only after the Medical Examiner’s Office contacts the Bureau of Fire Investigation for the Fire Marshals report that the victim is determined to be a fire death. This occasionally happens when:

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**.

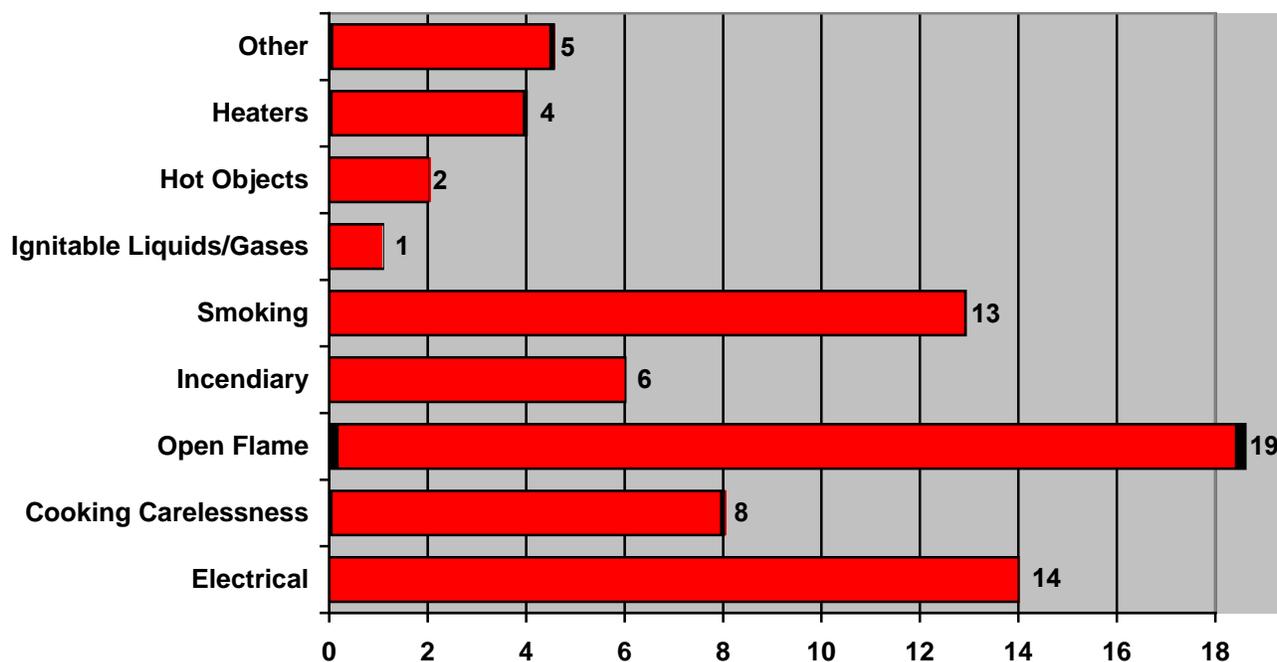
In these times of modern medicine, forensic science and advanced technology, we are confident that all fire deaths are being recorded as such and counted accurately.

**There were 73 Civilian Fire Deaths In New York City**



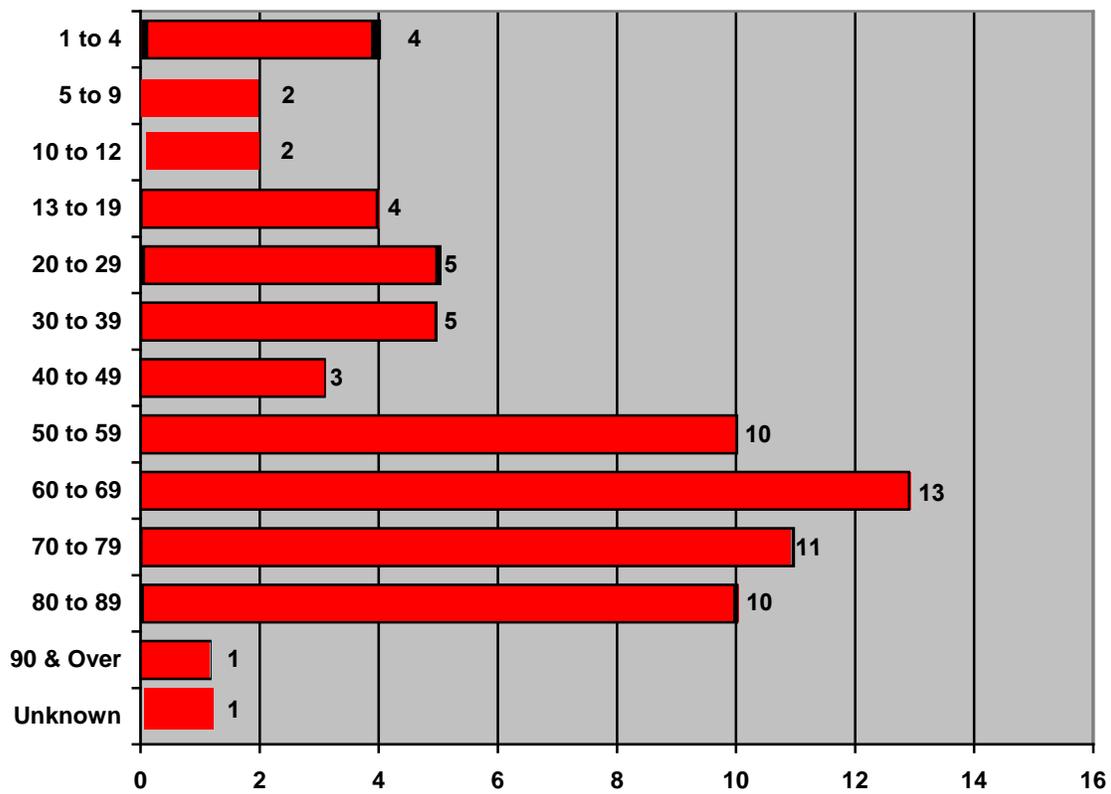


### SUMMARY OF FATALITIES, FIRE CAUSES

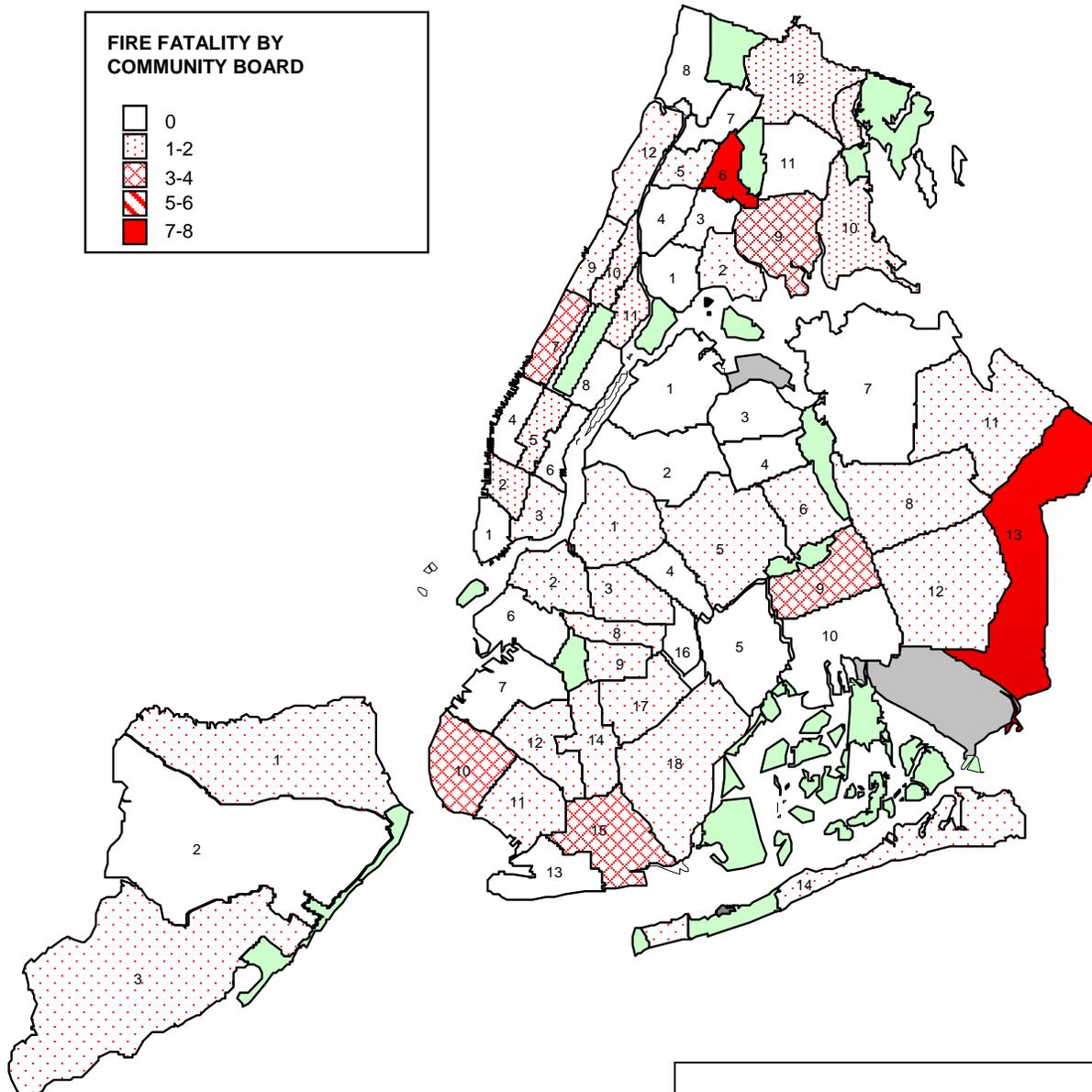
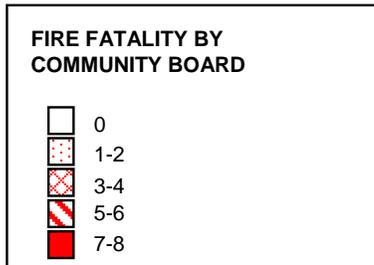




### SUMMARY OF FATALITIES BY AGE



**Bureau of Fire Investigation**  
**Investigative Management and Reporting System**  
**FATALITIES BY COMMUNITY BOARD AND BOROUGH**  
 Period: January 1, 2017 – December 31, 2017



**FIRE FATALITIES BY BOROUGH**

<b>Bronx:</b>	24
<b>Brooklyn:</b>	18
<b>Manhattan:</b>	12
<b>Queens:</b>	15
<b>Staten Island :</b>	4
<b>Citywide Total:</b>	73

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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Fatalities by Borough

For the period 1/1/2012 through 12/31/2017



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Borough	Calendar Year					
	2012	2013	2014	2015	2016	2017
Bronx	18	19	9	3	17	24
Brooklyn	16	17	22	30	14	18
Manhattan	9	11	25	6	5	12
Queens	12	18	15	14	10	15
Staten Island	3	2	0	6	2	4
Totals:	58	67	71	59	48	73

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Annual Comparison of Fire Fatalities by Cause

For the period 1/1/2012 through 12/31/2017

Cause of Fire	Calendar Year					
	2012	2013	2014	2015	2016	2017
Appliance Cord	1	1	1	2	0	1
Ballast	0	0	0	1	0	0
Barbecue - Wood/Charcoal	0	0	0	0	0	2
Candle	1	11	3	1	0	6
Child Playing w/ Other Open Flame	0	0	0	0	0	12
Child Playing w/Matches/Lighter	0	1	2	0	0	0
Cooking Fire Extending to Clothing or Combustibles	3	3	3	0	6	3
Electrical Wiring	8	9	10	9	7	7
Extension Cord	3	1	4	4	5	3
Fireplace	0	0	1	1	0	0
Food on the Stove	0	1	3	0	1	1
Heat from Light Bulb	1	0	0	0	0	0
Heat or Sparks from Friction	1	0	0	0	0	0
Ignitable Liquids/Gases - Gasoline	0	0	1	0	0	0
Ignitable Liquids/Gases - Lighter Fluid	0	0	1	0	0	0
Ignitable Liquids/Gases - Natural Gas	0	0	8	2	0	1
Incendiary	1	0	1	1	1	0
Incendiary - Attempted Suicide	1	0	0	1	1	0
Incendiary - Combustible Material	2	4	1	0	0	2
Incendiary - Explosives	0	0	0	0	0	1
Incendiary - Ignitable Liquid	3	0	1	3	0	0
Incendiary - Reckless Use of Open Flame	0	0	0	0	0	2
Incendiary - Self Immolation	0	2	0	2	1	0
Incendiary - Suicide	2	1	1	1	0	1
Incense	0	1	0	0	2	2
Lighting Fixture	0	0	0	0	0	1
Matches/Lighter	2	1	1	0	1	0
Motors - Fossil Fuel Powered	0	0	1	0	0	1
Not Ascertained	4	0	2	2	1	5

# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Annual Comparison of Fire Fatalities by Cause

For the period 1/1/2012 through 12/31/2017

Cause of Fire	Calendar Year					
	2012	2013	2014	2015	2016	2017
Other	0	1	0	0	0	0
Other - Electrical	1	3	2	1	2	2
Other - Hot Objects	0	2	1	7	1	0
Other - Ignitable Liquid/Gas	0	1	1	0	0	0
Other - Liquid	2	0	0	1	0	0
Other - Open Flame	0	3	5	2	2	1
Other Appliance	1	3	0	0	0	0
Portable Heater	0	0	0	0	0	1
Portable Heater - Electric	1	2	0	2	0	3
Portable Heater - Kerosene	0	0	0	0	1	0
Power Strip	2	1	0	0	0	0
Radio/Stereo	1	0	0	0	0	0
Smoking (Cigarette/Cigar)	13	12	12	12	12	13
Stove - Natural Gas	2	0	0	0	0	0
Stove/Cooking - Electric	0	0	0	0	1	0
Stove/Cooking - Other	0	0	2	0	1	2
Stove/Cooking - Stove	2	2	3	4	1	0
Vehicle Wiring	0	1	0	0	1	0
<b>Grand Total All Causes</b>	<b>58</b>	<b>67</b>	<b>71</b>	<b>59</b>	<b>48</b>	<b>73</b>

# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Fatalities by Category & Cause

For the period 1/1/2017 through 12/31/2017



### Fire Category: Cooking Carelessness

Cause of Fire	Count
Barbecue - Wood/Charcoal	2
Cooking Fire Extending to Clothing or Combustibles	3
Food on the Stove	1
Stove/Cooking - Other	2
<b>Cooking Carelessness Total</b>	<b>8</b>

### Fire Category: Electrical

Cause of Fire	Count
Appliance Cord	1
Electrical Wiring	7
Extension Cord	3
Lighting Fixture	1
Other - Electrical	2
<b>Electrical Total</b>	<b>14</b>

### Fire Category: Heaters

Cause of Fire	Count
Portable Heater	1
Portable Heater - Electric	3
<b>Heaters Total</b>	<b>4</b>

### Fire Category: Hot Objects

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

### Fire Category: Ignitable

Cause of Fire	Count
Ignitable Liquids/Gases - Natural Gas	1
<b>Ignitable Total</b>	<b>1</b>

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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Fatalities by Category & Cause

For the period 1/1/2017 through 12/31/2017



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**Fire Category: Incendiary**

Cause of Fire	Count
Incendiary - Combustible Material	2
Incendiary - Explosives	1
Incendiary - Reckless Use of Open Flame	2
Incendiary - Suicide	1
<b>Incendiary Total</b>	<b>6</b>

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**Fire Category: Motors**

Cause of Fire	Count
Motors - Fossil Fuel Powered	1
<b>Motors Total</b>	<b>1</b>

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**Fire Category: Open Flame**

Cause of Fire	Count
Candle	6
Child Playing w/ Other Open Flame	12
Other - Open Flame	1
<b>Open Flame Total</b>	<b>19</b>

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**Fire Category: Other**

Cause of Fire	Count
Not Ascertained	5
<b>Other Total</b>	<b>5</b>

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**Fire Category: Smoking**

Cause of Fire	Count
Smoking (Cigarette/Cigar)	13
<b>Smoking Total</b>	<b>13</b>

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**Grand Total: 73**

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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Summary of Fire Fatalities by CB and Borough

For the period 1/1/2017 through 12/31/2017



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CB	Bronx	Brooklyn	Manhattan	Queens	Staten Island
01	0	1	0	0	2
02	2	1	1	0	0
03	0	2	1	0	2
05	2	0	2	0	0
06	12	0	0	1	0
07	0	0	3	0	0
08	0	2	0	1	0
09	4	1	2	3	0
10	2	3	1	0	0
11	0	1	1	1	0
12	2	2	1	1	0
13	0	0	0	7	0
14	0	1	0	1	0
15	0	4	0	0	0
<b>Sum Total:</b>	<b>24</b>	<b>18</b>	<b>12</b>	<b>15</b>	<b>4</b>
<b>Total Fire Fatalities:</b>	<b>73</b>				

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Monthly Fire Fatalities by Borough

For the period 1/1/2017 through 12/31/2017

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### For Calendar Year 2017

		Bronx	Brooklyn	Manhattan	Queens	Staten Island	Totals
<b>January</b>	2017	1	0	1	1	0	3
<b>February</b>	2017	2	0	2	0	1	5
<b>March</b>	2017	2	0	0	0	1	3
<b>April</b>	2017	0	0	0	7	0	7
<b>May</b>	2017	2	1	2	1	1	7
<b>June</b>	2017	0	1	3	0	0	4
<b>July</b>	2017	2	1	0	0	0	3
<b>August</b>	2017	0	5	0	1	0	6
<b>September</b>	2017	2	0	0	1	1	4
<b>October</b>	2017	0	2	0	1	0	3
<b>November</b>	2017	0	2	0	0	0	2
<b>December</b>	2017	13	6	4	3	0	26
<b>Totals:</b>		<b>24</b>	<b>18</b>	<b>12</b>	<b>15</b>	<b>4</b>	<b>73</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 1/1/2017 through 12/31/2017

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For Calendar Year 2017

	Bronx	Brooklyn	Manhattan	Queens	Staten Island	Totals
0000 - 0059	1	0	0	1	0	2
0100 - 0159	2	1	1	0	0	4
0200 - 0259	0	5	0	1	0	6
0300 - 0359	1	5	0	1	0	7
0400 - 0459	0	0	0	1	1	2
0500 - 0559	1	0	0	1	0	2
0600 - 0659	1	0	1	0	0	2
0700 - 0759	2	2	1	0	1	6
0800 - 0859	0	0	1	1	0	2
0900 - 0959	0	0	0	0	0	0
1000 - 1059	0	0	0	1	0	1
1100 - 1159	0	0	0	0	0	0
1200 - 1259	0	0	1	0	0	1
1300 - 1359	0	1	0	0	0	1
1400 - 1459	0	0	0	5	0	5
1500 - 1559	0	1	1	0	0	2
1600 - 1659	0	0	0	1	1	2
1700 - 1759	0	0	1	0	0	1
1800 - 1859	12	1	0	0	0	13
1900 - 1959	0	0	3	1	0	4
2000 - 2059	0	0	1	0	0	1
2100 - 2159	1	0	0	1	0	2
2200 - 2259	0	1	0	0	1	2
2300 - 2359	3	1	1	0	0	5
Unknown	0	0	0	0	0	0
<b>Totals:</b>	<b>24</b>	<b>18</b>	<b>12</b>	<b>15</b>	<b>4</b>	<b>73</b>

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Fire Fatalities by Race/Ethnicity and Occupancy

For the period 1/1/2017 through 12/31/2017

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Occupancy Type	CAUCASIAN	ASIAN	HISPANIC	BLACK	OTHER	WHITE	Unknown
MD Residential Structure	2	2	6	20	0	7	9
Other	0	0	0	0	0	0	1
PD Residential Structure	0	0	3	9	1	9	2
Vehicle	0	1	0	0	1	0	0
Sub-Totals:	2	3	9	29	2	16	12
<b>Total Fire Fatalities:</b>	<b>73</b>						

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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Fatalities by Age and Gender

For the period 1/1/2017 through 12/31/2017

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Victim Age	Female	Male	Totals
01-04	3	1	4
05-09	0	2	2
10-12	0	2	2
13-19	2	2	4
20-29	4	1	5
30-39	3	2	5
40-49	1	2	3
50-59	3	7	10
60-69	6	9	13
70-79	4	7	11
80-89	6	4	10
90-Over	0	1	1
Unknown	0	1	1
<b>TOTALS</b>	<b>32</b>	<b>41</b>	<b>73</b>

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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Fatalities Related to Vehicles

For the period 1/1/2017 through 12/31/2017

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### Motors

Cause of Fire	Vehicle Fires	Motor Vehicle Accidents
Motors - Fossil Fuel Powered	1	1
<b>Motors Total:</b>	<b>1</b>	
<b>Grand Total:</b>	<b>1</b>	<b>1</b>

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 1/1/2013 through 12/31/2017

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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>
<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>

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# **Bureau of Fire Investigation**

## **Investigative Management and Reporting System**



# **2017**

# **Annual Report**

## **on**

# **Civilian Fire Injuries**

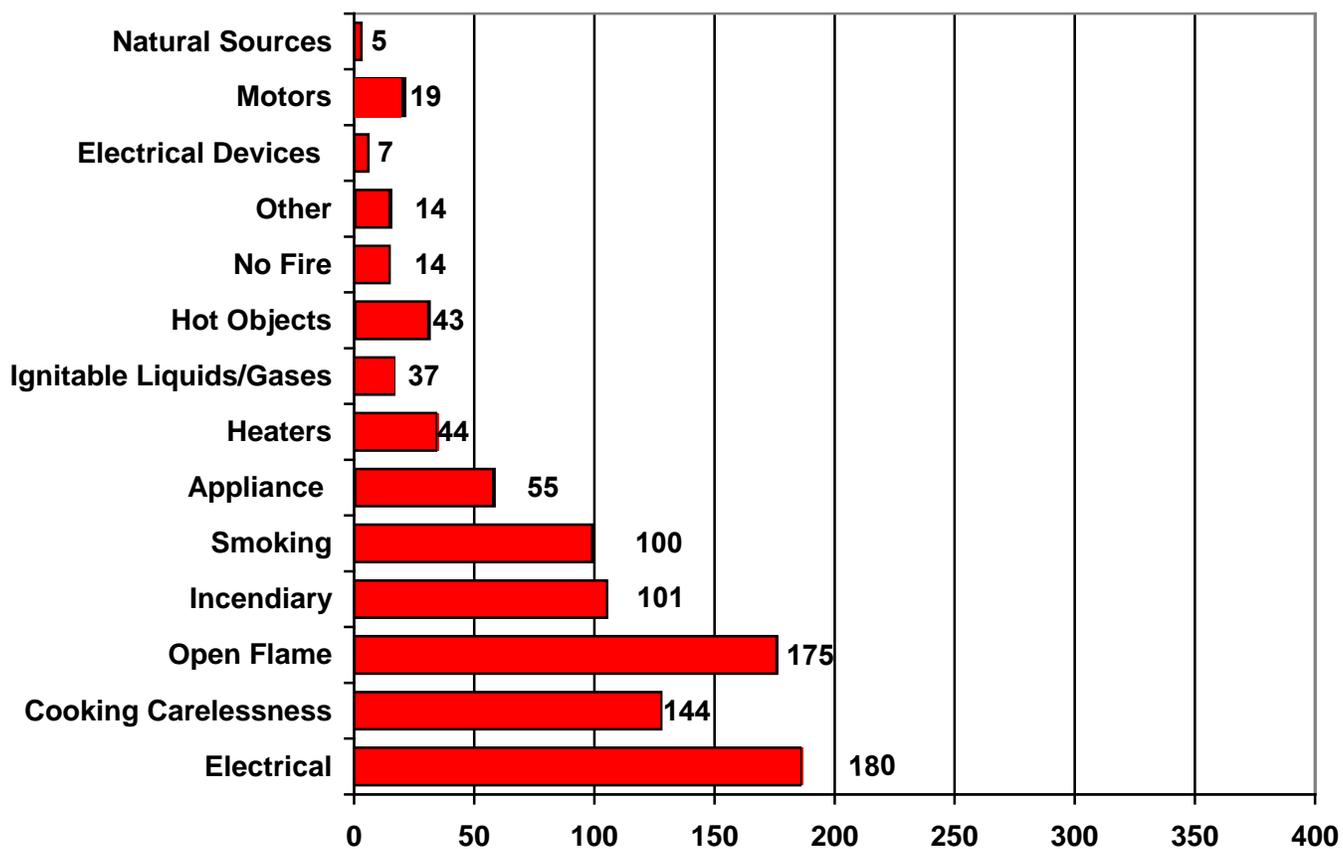


Veritas ex Cineribus



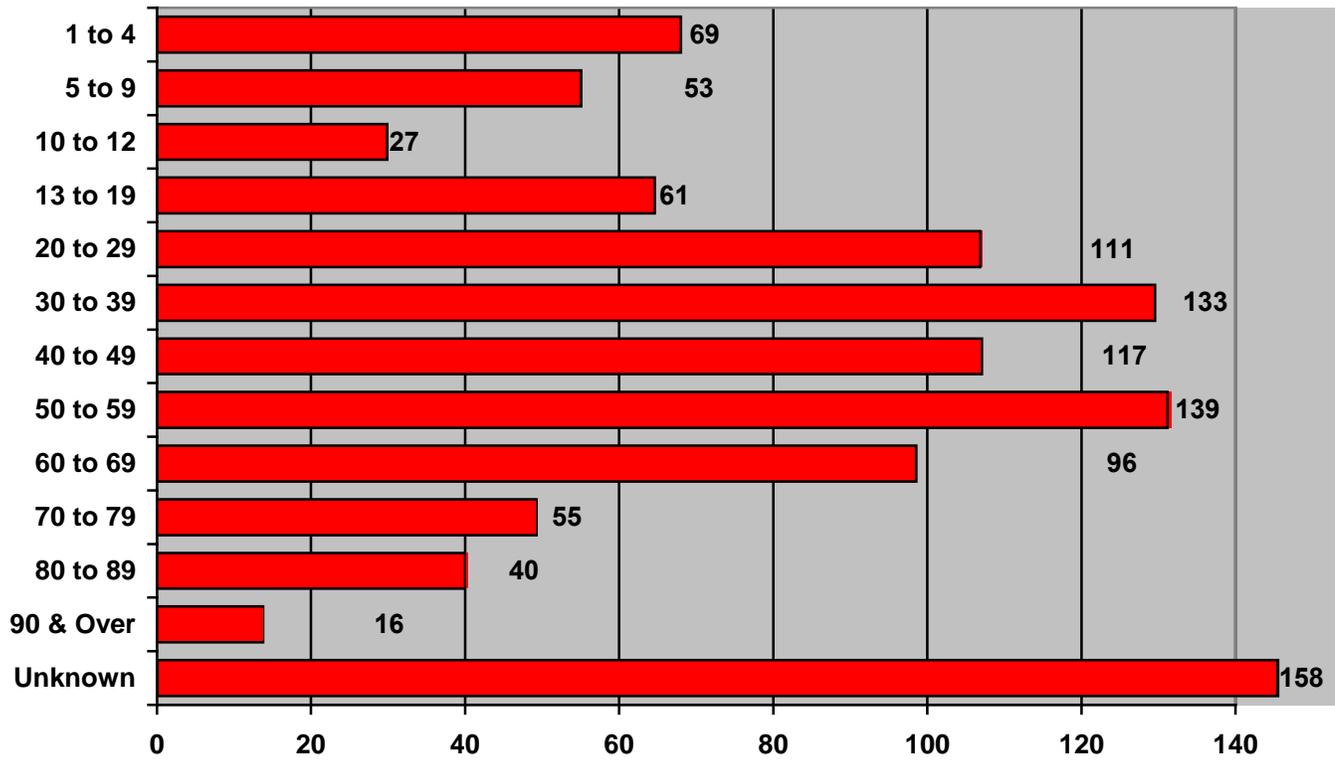


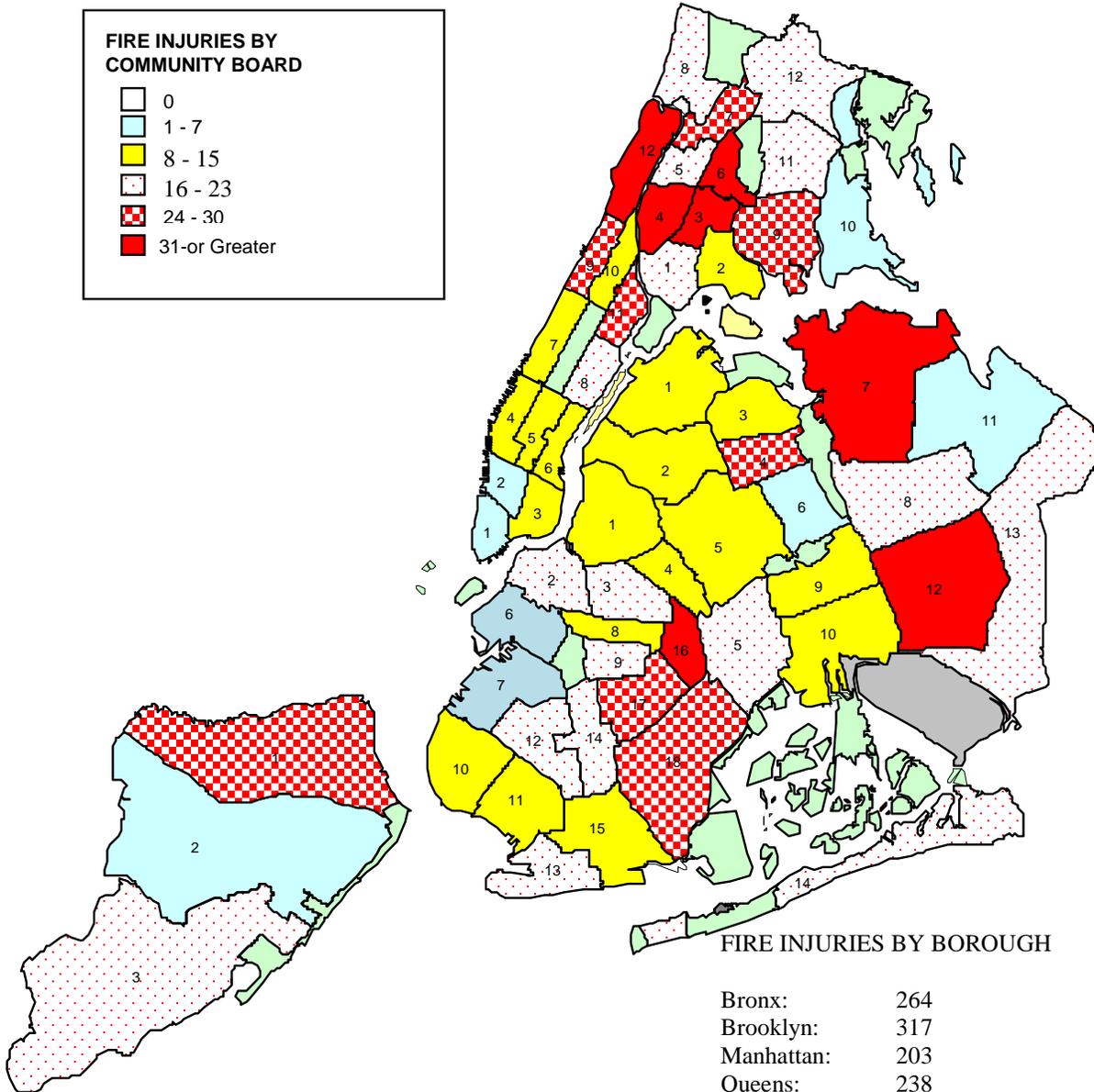
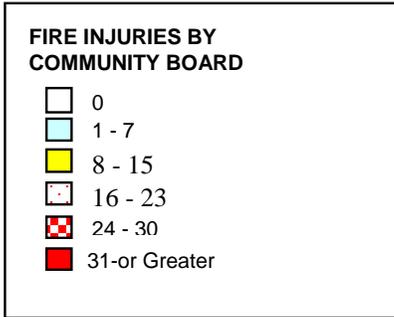
### SUMMARY OF INJURIES FIRE CATEGORIES





### SUMMARY OF INJURIES BY AGE





**FIRE INJURIES BY BOROUGH**

Bronx:	264
Brooklyn:	317
Manhattan:	203
Queens:	238
Staten Island:	53
Citywide:	1075

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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Injuries by Borough

For the period 1/1/2012 through 12/31/2017



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Borough	Calendar Year					
	2012	2013	2014	2015	2016	2017
Bronx	186	234	180	252	211	264
Brooklyn	199	278	351	363	282	317
Manhattan	217	204	177	175	207	203
Queens	220	255	202	229	257	238
Staten Island	31	46	67	62	46	53
Totals:	853	1017	977	1081	1003	1075

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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Annual Comparison of Fire Injuries by Cause

For the period 1/1/2012 through 12/31/2017



Cause of Fire	Calendar Year					
	2012	2013	2014	2015	2016	2017
Other - No Fire	8	11	4	11	6	12
Electrocution - Electrical Burns to Person	3	4	3	1	0	1
Carbon Monoxide Incident	2	1	0	1	0	1
Computer Component(s)	0	1	6	5	1	5
TV	3	0	1	0	0	0
Fireworks Related	0	0	1	5	4	0
Other Audio Visual Equipment	0	2	0	0	2	2
DVD/VCR	0	0	0	1	0	0
Cause of fire Not Defined	0	0	0	0	0	1
Clothes Dryer - Natural Gas	19	10	9	11	12	7
Stove - Natural Gas	13	20	13	9	18	9
Other Appliance	9	18	9	2	7	23
Dishwasher	0	1	0	2	0	0
Refrigeration Compressor	1	1	1	7	1	1
Clothes Dryer	2	2	0	1	3	5
Clothes Dryer - Electric	0	3	0	6	6	1
Stove - Electric	1	1	0	0	0	1
Microwave	2	0	1	1	2	2
Stove - Propane	1	0	0	0	0	0
Stove - Wood	0	0	0	0	1	0
Clothes Washer	0	0	0	0	2	3
Washer/Dryer Combo	0	0	0	0	0	3
Stove/Cooking - Other	8	17	10	10	28	18
Food on the Stove	37	51	69	90	61	54
Stove/Cooking - Fryer	2	11	7	3	6	7
Stove/Cooking - Stove	73	30	33	32	18	18
Cooking Fire Extending to Clothing or Combustibles	7	8	10	19	13	32
Ranghood Fire - Ductwork	0	0	1	3	0	1
Stove/Cooking - Electric	3	4	3	2	1	4

# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Annual Comparison of Fire Injuries by Cause

For the period 1/1/2012 through 12/31/2017

Cause of Fire	Calendar Year					
	2012	2013	2014	2015	2016	2017
Barbecue - Propane	0	2	0	1	1	2
Barbecue - Wood/Charcoal	1	0	0	0	0	5
Stove/Cooking - Toaster Oven	0	0	0	5	0	3
Electrical Wiring	125	178	197	189	184	180
Feeder Cable	10	13	6	2	5	1
Extension Cord	40	63	54	55	50	45
Other - Electrical	28	20	29	27	38	25
Lighting Fixture	19	8	4	7	2	1
Transformer	24	0	0	1	2	0
Hard Wire Outlet	7	9	2	6	13	1
Fuse/Circuit Breaker Panel	4	2	19	3	4	2
Service	3	1	1	1	0	0
Appliance Cord	16	19	11	19	10	16
Power Strip	14	17	22	17	14	42
Vehicle Wiring	0	0	3	4	9	0
Ballast	1	1	0	3	0	0
Holiday Lighting	1	0	0	5	0	2
Arc Welding	0	0	0	0	0	1
Portable Heater - Electric	2	15	13	34	11	30
Permanent Heater - Oil	3	3	8	3	2	1
Portable Heater	3	0	0	4	4	4
Permanent Heater - Electric	2	1	1	9	0	4
Permanent Heater - Gas	2	1	8	2	2	0
Permanent Heater	0	0	1	1	0	4
Heaters - Other	0	1	2	0	2	0
Portable Heater - Kerosene	0	1	0	0	1	0
Portable Heater - Natural Gas	0	0	0	0	0	1
Heat from Light Bulb	12	8	4	6	6	2
Incense	5	11	16	3	13	12
Chimney/Flues	1	0	6	0	0	1

# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Annual Comparison of Fire Injuries by Cause

For the period 1/1/2012 through 12/31/2017



Cause of Fire	Calendar Year					
	2012	2013	2014	2015	2016	2017
Heat From Molten Metal / Slag	0	0	7	0	0	6
Heat or Sparks from Friction	3	0	1	2	0	10
Other - Hot Objects	2	16	16	9	13	11
Hot Embers	6	0	0	1	1	1
Heat from an Iron	0	0	0	0	1	0
Other - Ignitable Liquid/Gas	4	1	10	7	6	5
Ignitable Liquids/Gases - Gasoline	21	6	6	5	2	6
Ignitable Liquids/Gases - Natural Gas	0	15	38	30	16	7
Other - Gas	3	1	3	1	0	3
Ignitable Liquids/Gases - Pesticide Fogger	1	9	0	1	0	8
Ignitable Liquid- Polyurethane/Varnish/PaintThinner	1	1	6	1	1	5
Other - Liquid	2	1	2	4	1	1
Ignitable Liquids/Gases - Propane	2	1	0	2	0	0
Ignitable Liquids/Gases - Lighter Fluid	0	0	1	1	0	1
Ignitable Liquids/Gases - Fuel Oil	1	0	0	0	0	1
Incendiary - Combustible Material	39	58	68	52	31	31
Incendiary - Self Immolation	1	1	1	0	0	5
Incendiary	15	25	12	48	59	51
Incendiary - Ignitable Liquid	15	18	2	11	3	3
Incendiary - Fireworks	1	2	0	3	1	2
Incendiary - Torch - Illegal Use of	0	1	0	3	0	2
Incendiary - Attempted Suicide	0	2	1	0	2	2
Incendiary - Suicide	0	1	0	0	0	0
Incendiary - Explosives	0	0	0	0	1	4
Incendiary - Reckless Use of Open Flame	0	0	0	0	2	1
Motors - Fan	4	0	0	2	0	0
Motors - Fossil Fuel Powered	1	1	1	3	3	4
Motors - Elevator	0	0	1	0	0	11
Motors - Electric	1	0	1	0	5	1
Other Motor	1	1	0	1	1	1

# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Annual Comparison of Fire Injuries by Cause

For the period 1/1/2012 through 12/31/2017



Cause of Fire	Calendar Year					
	2012	2013	2014	2015	2016	2017
Motors - Compressors	0	0	0	0	0	2
Spontaneous Combustion	2	0	1	3	1	5
Lightning	2	0	0	0	0	0
Candle	64	112	67	64	65	108
Matches/Lighter	13	12	2	22	29	5
Child Playing w/Matches/Lighter	27	49	21	31	29	28
Torch - Legal Use of	5	9	3	6	8	6
Other - Open Flame	13	16	13	21	14	10
Aerosol Can	6	9	3	9	6	3
Fireplace	0	0	2	5	0	0
Child Playing w/ Other Open Flame	3	7	12	2	1	15
Exothermic Chemical Reaction	3	1	0	3	3	1
Other	1	2	1	5	21	8
Not Ascertained	3	0	2	2	2	1
SIU Investigation	0	0	0	0	1	3
Juvenile Firesetter Intervention	0	0	0	0	1	0
Under Investigation	0	0	0	0	0	1
Smoking (Cigarette/Cigar)	70	69	85	92	108	100
<b>Grand Total All Causes</b>	<b>853</b>	<b>1017</b>	<b>977</b>	<b>1081</b>	<b>1003</b>	<b>1075</b>

# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Injuries by Category & Cause

For the period 1/1/2017 through 12/31/2017



### Fire Category: Appliances

Cause of Fire	Count
Clothes Dryer	5
Clothes Dryer - Electric	1
Clothes Dryer - Natural Gas	7
Clothes Washer	3
Microwave	2
Other Appliance	23
Refrigeration Compressor	1
Stove - Natural Gas	9
Stove - Electric	1
Washer/Dryer Combo	3
<b>Appliances Total</b>	<b>55</b>

### Fire Category: Cooking Carelessness

Cause of Fire	Count
Barbecue - Propane	2
Barbecue - Wood/Charcoal	5
Cooking Fire Extending to Clothing or Combustibles	32
Food on the Stove	54
Rangehood Fire - Ductwork	1
Stove/Cooking - Electric	4
Stove/Cooking - Fryer	7
Stove/Cooking - Other	18
Stove/Cooking - Stove	18
Stove/Cooking - Toaster Oven	3
<b>Cooking Carelessness Total</b>	<b>144</b>

### Fire Category: Electrical

Cause of Fire	Count
Appliance Cord	16
Arc Welding	1
Electrical Wiring	180

# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Injuries by Category & Cause

For the period 1/1/2017 through 12/31/2017



### Fire Category: Electrical

Cause of Fire	Count
Extension Cord	45
Feeder Cable	1
Fuse/Circuit Breaker Panel	2
Hard Wire Outlet	1
Holiday Lighting	2
Lighting Fixture	1
Other - Electrical	25
Power Strip	42
<b>Electrical Total</b>	<b>316</b>

### Fire Category: Electrical Devices

Cause of Fire	Count
Computer Component(s)	5
Other Audio Visual Equipment	2
<b>Electrical Devices Total</b>	<b>7</b>

### Fire Category: Heaters

Cause of Fire	Count
Permanent Heater	4
Permanent Heater - Electric	4
Permanent Heater - Oil	1
Portable Heater	4
Portable Heater - Electric	30
Portable Heater - Natural Gas	1
<b>Heaters Total</b>	<b>44</b>

### Fire Category: Hot Objects

Cause of Fire	Count
Chimney/Flues	1
Heat from Light Bulb	2
Heat From Molten Metal / Slag	6
Heat or Sparks from Friction	10

# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Injuries by Category & Cause

For the period 1/1/2017 through 12/31/2017



### Fire Category: Hot Objects

Cause of Fire	Count
Hot Embers	1
Incense	12
Other - Hot Objects	11
<b>Hot Objects Total</b>	<b>43</b>

### Fire Category: Ignitable

Cause of Fire	Count
Ignitable Liquid-Polyurethane/Varnish/PaintThinner	5
Ignitable Liquids/Gases - Fuel Oil	1
Ignitable Liquids/Gases - Gasoline	6
Ignitable Liquids/Gases - Lighter Fluid	1
Ignitable Liquids/Gases - Natural Gas	7
Ignitable Liquids/Gases - Pesticide Fogger	8
Other - Gas	3
Other - Ignitable Liquid/Gas	5
Other - Liquid	1
<b>Ignitable Total</b>	<b>37</b>

### Fire Category: Incendiary

Cause of Fire	Count
Incendiary	51
Incendiary - Attempted Suicide	2
Incendiary - Combustible Material	31
Incendiary - Explosives	4
Incendiary - Fireworks	2
Incendiary - Ignitable Liquid	3
Incendiary - Reckless Use of Open Flame	1
Incendiary - Self Immolation	5
Incendiary - Torch - Illegal Use of	2
<b>Incendiary Total</b>	<b>101</b>

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Fire Injuries by Category & Cause

For the period 1/1/2017 through 12/31/2017

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### Fire Category: Motors

Cause of Fire	Count
Motors - Compressors	2
Motors - Electric	1
Motors - Elevator	11
Motors - Fossil Fuel Powered	4
Other Motor	1
<b>Motors Total</b>	<b>19</b>

### Fire Category: Natural Sources

Cause of Fire	Count
Spontaneous Combustion	5
<b>Natural Sources Total</b>	<b>5</b>

### Fire Category: No Fire

Cause of Fire	Count
	0
Carbon Monoxide Incident	1
Electrocution - Electrical Burns to Person	1
Other - No Fire	12
<b>No Fire Total</b>	<b>14</b>

### Fire Category: Open Flame

Cause of Fire	Count
Aerosol Can	3
Candle	108
Child Playing w/ Other Open Flame	15
Child Playing w/Matches/Lighter	28
Matches/Lighter	5
Other - Open Flame	10
Torch - Legal Use of	6
<b>Open Flame Total</b>	<b>175</b>

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Fire Injuries by Category & Cause

For the period 1/1/2017 through 12/31/2017

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**Fire Category: Other**

Cause of Fire	Count
Exothermic Chemical Reaction	1
Not Ascertained	1
Other	8
SIU Investigation	3
Under Investigation	1
<b>Other Total</b>	<b>14</b>

**Fire Category: Smoking**

Cause of Fire	Count
Smoking (Cigarette/Cigar)	100
<b>Smoking Total</b>	<b>100</b>

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**Grand Total:** 1074

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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Injuries by Borough & Type of Injury

For the period 1/1/2017 through 12/31/2017

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Injury	Bronx	Brooklyn	Manhattan	Queens	Staten Island	Totals
Burns	39	61	31	40	10	181
Carbon Monoxide	1	4	2	0	0	7
Other	21	17	16	14	6	74
RMA	20	32	46	26	6	130
Smoke	159	186	94	149	29	617
Smoke/Burns	14	8	7	8	1	38
Trauma	10	9	7	1	1	28
<b>Sub-Totals:</b>	<b>264</b>	<b>317</b>	<b>203</b>	<b>238</b>	<b>53</b>	<b>1075</b>
<b>Citywide Total:</b>	<b>1075</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 1/1/2017 through 12/31/2017



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<b>CB</b>	<b>Bronx</b>	<b>Brooklyn</b>	<b>Manhattan</b>	<b>Queens</b>	<b>Staten Island</b>
<b>01</b>	18	12	6	11	25
<b>02</b>	15	20	4	12	5
<b>03</b>	31	20	9	11	23
<b>04</b>	33	10	15	29	0
<b>05</b>	22	21	15	9	0
<b>06</b>	32	7	15	5	0
<b>07</b>	26	6	10	37	0
<b>08</b>	17	10	18	20	0
<b>09</b>	29	27	30	15	0
<b>10</b>	4	13	13	10	0
<b>11</b>	16	14	26	6	0
<b>12</b>	21	19	42	35	0
<b>13</b>	0	18	0	19	0
<b>14</b>	0	20	0	19	0
<b>15</b>	0	8	0	0	0
<b>16</b>	0	43	0	0	0
<b>17</b>	0	24	0	0	0
<b>18</b>	0	24	0	0	0
<b>Out of NYC</b>	0	1	0	0	0
<b>Sum Total:</b>	<b>264</b>	<b>317</b>	<b>203</b>	<b>238</b>	<b>53</b>
<b>Total Fire Injuries:</b>	<b>1075</b>				

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Monthly Fire Injuries by Borough

For the period 1/1/2017 through 12/31/2017

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### For Calendar Year 2017

		Bronx	Brooklyn	Manhattan	Queens	Staten Island	Totals
<b>January</b>	2017	21	21	9	23	8	82
<b>February</b>	2017	36	15	14	33	8	106
<b>March</b>	2017	25	44	21	16	2	108
<b>April</b>	2017	17	44	11	7	4	83
<b>May</b>	2017	8	16	14	14	14	66
<b>June</b>	2017	16	22	9	11	2	60
<b>July</b>	2017	37	12	19	4	2	74
<b>August</b>	2017	18	26	8	14	1	67
<b>September</b>	2017	16	18	7	31	2	74
<b>October</b>	2017	17	26	11	14	3	71
<b>November</b>	2017	22	32	31	27	0	112
<b>December</b>	2017	31	41	49	44	7	172
<b>Totals:</b>		<b>264</b>	<b>317</b>	<b>203</b>	<b>238</b>	<b>53</b>	<b>1075</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 1/1/2017 through 12/31/2017

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For Calendar Year 2017

	Bronx	Brooklyn	Manhattan	Queens	Staten Island	Totals
0000 - 0059	4	5	7	14	0	30
0100 - 0159	8	18	7	15	1	49
0200 - 0259	9	19	8	15	0	51
0300 - 0359	11	4	14	11	0	40
0400 - 0459	5	12	1	10	13	41
0500 - 0559	12	20	9	14	3	58
0600 - 0659	24	15	10	6	0	55
0700 - 0759	4	12	28	5	7	56
0800 - 0859	7	13	13	1	2	36
0900 - 0959	10	4	13	19	3	49
1000 - 1059	18	6	5	25	1	55
1100 - 1159	25	12	6	8	0	51
1200 - 1259	7	15	13	12	2	49
1300 - 1359	20	21	9	9	1	60
1400 - 1459	6	19	4	16	1	46
1500 - 1559	7	18	6	17	1	49
1600 - 1659	5	14	8	6	0	33
1700 - 1759	10	12	4	4	4	34
1800 - 1859	32	10	20	5	2	69
1900 - 1959	11	6	3	6	1	27
2000 - 2059	5	9	4	4	2	24
2100 - 2159	12	27	4	11	3	57
2200 - 2259	3	18	5	5	4	35
2300 - 2359	9	8	2	0	2	21
Unknown	0	0	0	0	0	0
<b>Totals:</b>	<b>264</b>	<b>317</b>	<b>203</b>	<b>238</b>	<b>53</b>	<b>1075</b>

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Fire Injuries by Race/Ethnicity and Occupancy

For the period 1/1/2017 through 12/31/2017

Occupancy Type	Caucasian	Black	Asian	Hispanic	American Indian	Unknown
Boat	2	0	0	0	0	3
Burn Notification	0	5	0	0	0	2
Commercial Structure	14	3	1	12	0	16
Construction Vehicle	0	0	0	0	0	2
Garage/Shed	0	0	0	0	0	1
Government Structure	0	2	0	1	0	1
Group Home	0	1	0	4	0	5
Hospital	2	0	0	1	0	1
Hotel	1	0	0	0	0	5
Manhole	0	0	0	2	0	0
MD Residential Structure	92	152	17	178	0	270
Miscellaneous	1	0	0	0	0	0
No Fire	0	0	0	0	0	3
Nursing Home	0	0	0	0	0	1
Other	5	1	0	1	0	10
Outside Rubbish	0	0	0	0	0	2
PD Residential Structure	32	47	18	25	0	80
Public Hallway	0	0	0	0	0	1
Public Structure	1	0	0	0	0	1
Religious Structure	2	0	0	1	0	1
School	2	1	0	3	0	16
Street	1	0	0	0	0	0
Threat to Burn	0	0	0	0	0	1
Transit	1	0	0	0	0	9
Vehicle	1	1	1	4	0	5
<b>Sub-Totals:</b>	<b>157</b>	<b>213</b>	<b>37</b>	<b>232</b>	<b>0</b>	<b>436</b>

Total Fire Injuries: 1075

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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## Fire Injuries by Age and Gender

For the period 1/1/2017 through 12/31/2017



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Victim Age	Female	Male	Unknown	Totals
01-04	36	27	6	69
05-09	22	26	5	53
10-12	11	13	3	27
13-19	31	25	5	61
20-29	64	38	9	111
30-39	61	64	8	133
40-49	52	55	10	117
50-59	63	68	8	139
60-69	40	52	4	96
70-79	26	25	4	55
80-89	26	14	0	40
90-Over	6	10	0	16
Unknown	50	51	57	158
<b>TOTALS</b>	<b>488</b>	<b>468</b>	<b>119</b>	<b>1075</b>

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Fire Injuries Related to Vehicles

For the period 1/1/2017 through 12/31/2017

### Ignitable

Cause of Fire	Vehicle Fires	Motor Vehicle Accidents
Ignitable Liquids/Gases - Fuel Oil	1	0
<b>Ignitable Total:</b>	<b>1</b>	

### Incendiary

Cause of Fire	Vehicle Fires	Motor Vehicle Accidents
Incendiary - Attempted Suicide	1	0
<b>Incendiary Total:</b>	<b>1</b>	

### Motors

Cause of Fire	Vehicle Fires	Motor Vehicle Accidents
Motors - Fossil Fuel Powered	4	3
Other Motor	1	0
<b>Motors Total:</b>	<b>5</b>	

### Natural Sources

Cause of Fire	Vehicle Fires	Motor Vehicle Accidents
Spontaneous Combustion	1	0
<b>Natural Sources Total:</b>	<b>1</b>	

### Other

Cause of Fire	Vehicle Fires	Motor Vehicle Accidents
Under Investigation	1	0
<b>Other Total:</b>	<b>1</b>	

### Smoking

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

**Grand Total:** 10 3

Of the 10 fire injuries related to vehicles, 3 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 1/1/2013 through 12/31/2017

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<b>For Calendar Year 2017</b>	Smoke Detector Present:	551
	Working:	402
	Not Present:	125
	Not Applicable:	89
	Present Unknown if operational:	150
	Unknown	160
	<b>Total</b>	<b>1075</b>
<hr/>		
<b>For Calendar Year 2016</b>	Smoke Detector Present:	546
	Working:	428
	Not Present:	110
	Not Applicable:	62
	Present Unknown if operational:	127
	Unknown	158
	<b>Total</b>	<b>1003</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>
<hr/>		
<b>For Calendar Year 2013</b>	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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# Bureau of Fire Investigation

## Investigative Management and Reporting System



# 2017 Annual Report on Arrests



Veritas ex Cineribus



# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Arrests Summary Report

For the period 1/1/2017 through 12/31/2017

**Total Arrests Recorded at B.F.I.** 403

Arrests by Bureau of Fire Investigation:

<b>Bureau of Fire Investigation Arrests</b>	<b>Total:</b>	<b>289</b>
Arson	125	
Fire Related	59	
Arson Related	45	
MFA	29	
Other	23	
Fireworks Arrest	7	
Admin	1	

<b>Other Law Enforcement Arrests</b>	<b>Total:</b>	<b>114</b>
Arson (BFI Assist)	18	
Other (BFI Assist)	92	
Arson Related Arrest	4	

<b>Total BFI Arrests and Assists</b>	<b>403</b>
All BFI Arrests	289
Other L/E Arrests - BFI Assisting	114

**Total Summons:** 13

Summons	13
Fireworks Summons	

**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.....

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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 1/1/2017 through 12/31/2017

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CB	Bronx	Brooklyn	Manhattan	Queens	Staten Island	Out of NYC
01	12	21	6	10	13	0
02	3	6	16	3	6	0
03	10	9	8	4	6	0
04	7	6	4	2	0	0
05	8	19	13	2	0	0
06	1	8	14	5	0	0
07	5	2	4	13	0	0
08	3	4	2	1	0	0
09	14	5	2	3	0	0
10	2	3	3	18	0	0
11	0	5	3	2	0	0
12	9	4	5	11	0	0
13	0	5	0	5	0	0
14	0	9	0	1	0	0
15	0	9	0	0	0	0
16	0	10	0	0	0	0
17	0	7	0	0	0	0
18	0	10	0	0	0	0
<b>Sum Total</b>	74	142	80	80	25	0

Total Arrests All Boroughs: 401

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## BFI Arrests by Borough

For the period 1/1/2017 through 12/31/2017

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Arrest Type	Bronx	Brooklyn	Manhattan	Queens	Staten Island	Out of NYC
Arson	17	37	15	50	6	0
MFA	6	10	10	3	0	0
Arson Related	12	12	5	8	8	0
Other	4	10	3	2	3	0
Fire Related	8	27	22	2	0	0
Fireworks Arrest	2	1	3	0	0	0
Admin	0	0	0	1	0	0
Totals	49	97	58	66	17	0

Total Arrests All Boroughs: 287

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## BFI Arrests by CB and Borough

For the period 1/1/2017 through 12/31/2017

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CB	Bronx	Brooklyn	Manhattan	Queens	Staten Island	Out of NYC
01	8	18	5	6	10	0
02	2	4	12	2	5	0
03	7	6	5	2	2	0
04	5	5	3	2	0	0
05	5	13	5	2	0	0
06	1	7	13	5	0	0
07	3	1	2	13	0	0
08	2	4	2	1	0	0
09	8	3	2	3	0	0
10	2	2	2	17	0	0
11	0	3	2	1	0	0
12	6	3	5	8	0	0
13	0	4	0	4	0	0
14	0	3	0	0	0	0
15	0	8	0	0	0	0
16	0	4	0	0	0	0
17	0	5	0	0	0	0
18	0	4	0	0	0	0
<b>Sum Total</b>	49	97	58	66	17	0

Total Arrests All Boroughs: 287

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# Bureau Of Fire Investigation

Investigative Management and Reporting System

## BFI Arson Arrests by CB and Borough

For the period 1/1/2017 through 12/31/2017

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CB	Bronx	Brooklyn	Manhattan	Queens	Staten Island	Out of NYC
01	6	4	2	6	8	0
02	2	1	0	2	5	0
03	2	3	2	1	1	0
04	3	3	0	2	0	0
05	3	7	3	1	0	0
06	1	0	2	4	0	0
07	2	0	0	13	0	0
08	2	3	0	0	0	0
09	4	3	2	3	0	0
10	1	1	2	14	0	0
11	0	2	2	1	0	0
12	3	0	5	7	0	0
13	0	4	0	4	0	0
14	0	1	0	0	0	0
15	0	7	0	0	0	0
16	0	4	0	0	0	0
17	0	3	0	0	0	0
18	0	3	0	0	0	0
<b>Sum Total</b>	29	49	20	58	14	0

**Total Arrests All Boroughs: 170**

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Investigative Management and Reporting System



## Bronx Community Boards Arrest Breakdown

For the period 1/1/2017 through 12/31/2017

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CB	Arson	Arson L/E	MFA	Other	Other L/E	Fire Related
01	6	0	0	1	4	1
02	2	0	0	0	1	0
03	2	1	5	0	2	0
04	3	0	0	0	2	2
05	3	2	0	2	1	0
06	1	0	0	0	0	0
07	2	1	1	0	1	0
08	2	0	0	0	1	0
09	4	1	0	1	5	3
10	1	0	0	0	0	1
12	3	0	0	0	3	3
<b>Sum Total</b>	<b>29</b>	<b>5</b>	<b>6</b>	<b>4</b>	<b>20</b>	<b>10</b>

Total Arrests Bronx: 74

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## Brooklyn Community Boards Arrest Breakdown

For the period 1/1/2017 through 12/31/2017

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CB	Arson	Arson L/E	MFA	Other	Other L/E	Fire Related
01	4	0	0	1	3	13
02	1	0	0	2	2	1
03	3	0	0	2	3	1
04	3	0	0	1	1	1
05	7	1	2	3	5	1
06	0	0	0	0	1	7
07	0	0	0	0	1	1
08	3	0	0	0	0	1
09	3	0	0	0	2	0
10	1	1	1	0	0	0
11	2	0	0	0	2	1
12	0	1	1	1	0	1
13	4	0	0	0	1	0
14	1	0	2	0	6	0
15	7	0	1	0	1	0
16	4	0	0	0	6	0
17	3	0	2	0	2	0
18	3	1	1	0	5	0
<b>Sum Total</b>	<b>49</b>	<b>4</b>	<b>10</b>	<b>10</b>	<b>41</b>	<b>28</b>

Total Arrests Brooklyn: 142

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Investigative Management and Reporting System



## Manhattan Community Boards Arrest Breakdown

For the period 1/1/2017 through 12/31/2017

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CB	Arson	Arson L/E	MFA	Other	Other L/E	Fire Related
01	2	0	1	0	1	2
02	0	0	0	0	4	12
03	2	1	0	1	2	2
04	0	0	0	2	1	1
05	3	1	0	0	7	2
06	2	0	9	0	1	2
07	0	2	0	0	0	2
08	0	0	0	0	0	2
09	2	0	0	0	0	0
10	2	0	0	0	1	0
11	2	0	0	0	1	0
12	5	0	0	0	0	0
<b>Sum Total</b>	<b>20</b>	<b>4</b>	<b>10</b>	<b>3</b>	<b>18</b>	<b>25</b>

Total Arrests  
Manhattan:

80

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Queens Community Boards Arrest Breakdown

For the period 1/1/2017 through 12/31/2017

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CB	Arson	Arson L/E	MFA	Other	Other L/E	Fire Related	Admin
01	6	1	0	0	3	0	0
02	2	1	0	0	0	0	0
03	1	2	0	0	0	1	0
04	2	0	0	0	0	0	0
05	1	0	0	1	0	0	0
06	4	0	0	0	0	0	1
07	13	0	0	0	0	0	0
08	0	0	0	1	0	0	0
09	3	0	0	0	0	0	0
10	14	1	3	0	0	0	0
11	1	0	0	0	1	0	0
12	7	2	0	0	1	1	0
13	4	1	0	0	0	0	0
14	0	0	0	0	1	0	0
<b>Sum Total</b>	<b>58</b>	<b>8</b>	<b>3</b>	<b>2</b>	<b>6</b>	<b>2</b>	<b>1</b>

Total Arrests Queens: 80

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# Bureau Of Fire Investigation

Investigative Management and Reporting System



## Staten Island Community Boards Arrest Breakdown

For the period 1/1/2017 through 12/31/2017

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CB	Arson	Arson L/E	MFA	Other	Other L/E	Fire Related
01	8	1	0	2	2	0
02	5	0	0	0	1	0
03	1	0	0	1	4	0
<b>Sum Total</b>	<b>14</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>7</b>	<b>0</b>

Total Arrests Staten Island: 25

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# Bureau Of Fire Investigation

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## Other Law Enforcement Arrests\_BFI Assists by Borough

For the period 1/1/2017 through 12/31/2017

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Arrest Type	Bronx	Brooklyn	Manhattan	Queens	Staten Island	Out of NYC
Arson	5	4	4	8	1	0
Other	20	41	18	6	7	0
<b>Totals</b>	<b>25</b>	<b>45</b>	<b>22</b>	<b>14</b>	<b>8</b>	<b>0</b>

**Total Arrests All Boroughs: 114**

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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 1/1/2017 through 12/31/2017

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CB	Bronx	Brooklyn	Manhattan	Queens	Staten Island	Out of NYC
01	4	3	1	4	3	
02	1	2	4	1	1	
03	3	3	3	2	4	
04	2	1	1			
05	3	6	8			
06		1	1			
07	2	1	2			
08	1					
09	6	2				
10		1	1	1		
11		2	1	1		
12	3	1		3		
13		1		1		
14		6		1		
15		1				
16		6				
17		2				
18		6				
<b>Sum Total</b>	<b>25</b>	<b>45</b>	<b>22</b>	<b>14</b>	<b>8</b>	<b>0</b>

**Total Arrests All Boroughs: 114**