

EMS Incidents - last 6 months of 2018

206 Incidents (321,322,323)

90% of 206 = 185.4

90% less than 10.8

90% less than 11.1

minutes

by count method

minutes

by normal curve method

Minutes

(90% fractal = mean + (1.28 x Standard Deviation))

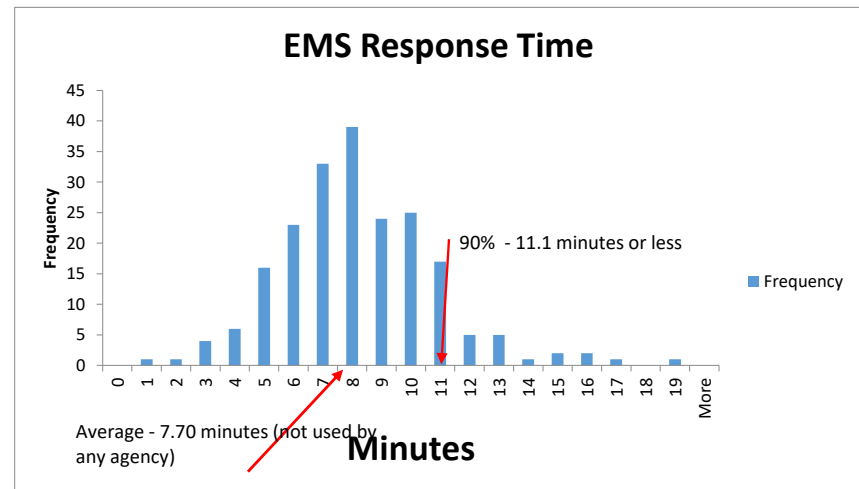
= 7.7+(1.28x2.68)

Incident
response time
ranking;
shortest to
longest

Type	Official Incident Number	Date	Decimal	Minutes	Seconds
321	180000892	12/19/2018	0.63	0	38
321	180000588	8/13/2018	1.72	1	43
322	180000884	12/16/2018	2.15	2	9
323	180000647	9/7/2018	2.33	2	20
321	180000907	12/23/2018	2.52	2	31
322	180000788	11/7/2018	2.90	2	54
321	180000485	7/3/2018	3.15	3	9
322	180000802	11/12/2018	3.28	3	17
321	180000912	12/26/2018	3.43	3	26
322	180000679	9/24/2018	3.60	3	36
322	180000787	11/7/2018	3.80	3	48
322	180000780	11/5/2018	3.82	3	49
321	180000803	11/12/2018	4.03	4	2
322	180000772	11/2/2018	4.05	4	3
321	180000880	12/14/2018	4.13	4	8
321	180000778	11/4/2018	4.27	4	16
321	180000545	7/25/2018	4.30	4	18
322	180000515	7/15/2018	4.40	4	24
321	180000602	8/17/2018	4.50	4	30
321	180000797	11/11/2018	4.52	4	31
321	180000623	8/24/2018	4.65	4	39
321	180000756	10/25/2018	4.70	4	42
321	180000808	11/14/2018	4.72	4	43
321	180000655	9/10/2018	4.77	4	46
321	180000800	11/12/2018	4.78	4	47
321	180000910	12/25/2018	4.80	4	48
321	180000476	7/1/2018	4.85	4	51
321	180000549	7/27/2018	4.88	4	53
321	180000619	8/24/2018	5.08	5	5
321	180000902	12/21/2018	5.08	5	5
321	180000718	10/10/2018	5.10	5	6
321	180000830	11/23/2018	5.23	5	14
321	180000752	10/24/2018	5.27	5	16
321	180000814	11/15/2018	5.27	5	16
321	180000824	11/20/2018	5.27	5	16
321	180000513	7/15/2018	5.28	5	17
321	180000709	10/9/2018	5.30	5	18
321	180000662	9/13/2018	5.47	5	28

Descriptive Statistics	
Mean	7.707038835
Standard Error	0.186824872
Median	7.525
Mode	7.116666667
Standard Deviation	2.681441351
Sample Variance	7.19012772
Kurtosis	1.618562011
Skewness	0.660237795
Range	17.38333333
Minimum	0.633333333
Maximum	18.01666667
Sum	1587.65
Count	206

Mean is the same as average



Incident
response time
ranking;
shortest to
longest

Type

Official
Incident
Number

Date

Decimal

Minutes

Seconds

39	321	180000855	12/3/2018	5.47	5	28
40	321	180000577	8/8/2018	5.52	5	31
41	321	180000863	12/7/2018	5.55	5	33
42	322	180000846	11/30/2018	5.57	5	34
43	321	180000726	10/12/2018	5.60	5	36
44	321	180000536	7/22/2018	5.65	5	39
45	321	180000621	8/24/2018	5.65	5	39
46	321	180000845	11/30/2018	5.70	5	42
47	321	180000509	7/13/2018	5.92	5	55
48	321	180000634	9/3/2018	5.92	5	55
49	321	180000640	9/5/2018	5.95	5	57
50	321	180000733	10/16/2018	5.98	5	59
51	321	180000890	12/17/2018	5.98	5	59
52	321	180000574	8/8/2018	6.07	6	4
53	321	180000823	11/19/2018	6.10	6	6
54	321	180000842	11/27/2018	6.17	6	10
55	321	180000506	7/12/2018	6.20	6	12
56	322	180000548	7/26/2018	6.25	6	15
57	321	180000891	12/19/2018	6.32	6	19
58	321	180000876	12/12/2018	6.37	6	22
59	321	180000841	11/27/2018	6.42	6	25
60	321	180000589	8/13/2018	6.45	6	27
61	321	180000556	8/2/2018	6.47	6	28
62	321	180000757	10/25/2018	6.48	6	29
63	321	180000488	7/4/2018	6.52	6	31
64	321	180000829	11/22/2018	6.53	6	32
65	321	180000843	11/28/2018	6.53	6	32
66	321	180000624	8/26/2018	6.58	6	35
67	321	180000885	12/16/2018	6.58	6	35
68	321	180000607	8/19/2018	6.60	6	36
69	321	180000827	11/22/2018	6.62	6	37
70	321	180000807	11/14/2018	6.63	6	38
71	321	180000660	9/13/2018	6.65	6	39
72	321	180000719	10/11/2018	6.67	6	40
73	321	180000721	10/11/2018	6.67	6	40
74	321	180000575	8/8/2018	6.75	6	45
75	321	180000706	10/9/2018	6.77	6	46
76	321	180000766	10/30/2018	6.78	6	47
77	322	180000862	12/7/2018	6.82	6	49
78	321	180000688	9/30/2018	6.85	6	51
79	321	180000703	10/7/2018	6.85	6	51
80	321	180000762	10/28/2018	6.85	6	51
81	321	180000710	10/9/2018	6.87	6	52
82	321	180000828	11/22/2018	6.93	6	56

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<i>Bin</i>	<i>Frequency</i>
0	0
1	1
2	1
3	4
4	2
5	3
6	4
7	16
8	23
9	33
10	39
11	24
12	25
13	17
14	5
15	5
16	1
17	2
18	2
19	1

Incident
response time
ranking;
shortest to
longest

Type

Official
Incident
Number

Date

Decimal

Minutes

Seconds

83	322	180000597	8/16/2018	6.98	6	59
84	321	180000825	11/21/2018	7.00	7	0
85	321	180000747	10/23/2018	7.05	7	3
86	321	180000839	11/26/2018	7.07	7	4
87	321	180000708	10/9/2018	7.10	7	6
88	321	180000599	8/16/2018	7.12	7	7
89	321	180000720	10/11/2018	7.12	7	7
90	321	180000731	10/14/2018	7.12	7	7
91	321	180000896	12/21/2018	7.12	7	7
92	321	180000798	11/11/2018	7.13	7	8
93	321	180000532	7/20/2018	7.15	7	9
94	321	180000648	9/9/2018	7.17	7	10
95	321	180000632	8/31/2018	7.20	7	12
96	321	180000712	10/9/2018	7.23	7	14
97	321	180000831	11/23/2018	7.23	7	14
98	321	180000732	10/15/2018	7.28	7	17
99	321	180000736	10/17/2018	7.28	7	17
100	321	180000558	8/2/2018	7.33	7	20
101	321	180000481	7/2/2018	7.35	7	21
102	321	180000637	9/4/2018	7.35	7	21
103	321	180000696	10/4/2018	7.52	7	31
104	321	180000486	7/3/2018	7.53	7	32
105	321	180000768	10/31/2018	7.53	7	32
106	321	180000654	9/10/2018	7.55	7	33
107	321	180000714	10/10/2018	7.57	7	34
108	321	180000620	8/24/2018	7.58	7	35
109	321	180000673	9/19/2018	7.60	7	36
110	321	180000764	10/29/2018	7.68	7	41
111	321	180000601	8/17/2018	7.72	7	43
112	321	180000606	8/19/2018	7.72	7	43
113	321	180000564	8/5/2018	7.75	7	45
114	321	180000587	8/13/2018	7.78	7	47
115	321	180000769	11/1/2018	7.80	7	48
116	321	180000635	9/4/2018	7.92	7	55
117	321	180000858	12/4/2018	7.92	7	55
118	321	180000792	11/9/2018	7.93	7	56
119	321	180000745	10/21/2018	7.97	7	58
120	321	180000805	11/14/2018	7.97	7	58
121	322	180000669	9/18/2018	7.98	7	59
122	321	180000826	11/22/2018	8.00	8	0
123	321	180000853	12/2/2018	8.00	8	0
124	321	180000572	8/7/2018	8.03	8	2
125	321	180000789	11/8/2018	8.03	8	2
126	321	180000507	7/13/2018	8.05	8	3

18 0

19 1

More 0

Incident response time ranking; shortest to longest	Type	Official Incident Number	Date	Decimal	Minutes	Seconds
127	321	180000887	12/17/2018	8.05	8	3
128	321	180000804	11/13/2018	8.22	8	13
129	321	180000580	8/10/2018	8.25	8	15
130	321	180000663	9/14/2018	8.25	8	15
131	321	180000489	7/4/2018	8.28	8	17
132	321	180000813	11/15/2018	8.32	8	19
133	321	180000737	10/19/2018	8.38	8	23
134	321	180000531	7/20/2018	8.50	8	30
135	321	180000566	8/6/2018	8.53	8	32
136	321	180000650	9/9/2018	8.53	8	32
137	321	180000605	8/19/2018	8.55	8	33
138	321	180000888	12/17/2018	8.60	8	36
139	321	180000705	10/8/2018	8.65	8	39
140	321	180000809	11/14/2018	8.68	8	41
141	321	180000763	10/29/2018	8.70	8	42
142	321	180000755	10/25/2018	8.77	8	46
143	321	180000626	8/27/2018	8.78	8	47
144	321	180000701	10/7/2018	8.78	8	47
145	321	180000834	11/25/2018	8.90	8	54
146	321	180000500	7/8/2018	8.92	8	55
147	321	180000546	7/26/2018	8.98	8	59
148	321	180000525	7/18/2018	9.03	9	2
149	321	180000734	10/17/2018	9.10	9	6
150	321	180000579	8/10/2018	9.15	9	9
151	321	180000675	9/21/2018	9.18	9	11
152	321	180000722	10/11/2018	9.27	9	16
153	321	180000702	10/7/2018	9.28	9	17
154	321	180000879	12/14/2018	9.28	9	17
155	321	180000510	7/13/2018	9.33	9	20
156	321	180000622	8/24/2018	9.33	9	20
157	321	180000495	7/6/2018	9.40	9	24
158	321	180000631	8/31/2018	9.40	9	24
159	321	180000915	12/26/2018	9.42	9	25
160	321	180000657	9/11/2018	9.43	9	26
161	321	180000559	8/2/2018	9.47	9	28
162	321	180000886	12/17/2018	9.47	9	28
163	321	180000694	10/3/2018	9.48	9	29
164	321	180000822	11/18/2018	9.48	9	29
165	321	180000569	8/7/2018	9.53	9	32
166	321	180000681	9/28/2018	9.57	9	34
167	321	180000615	8/23/2018	9.62	9	37
168	321	180000877	12/13/2018	9.62	9	37
169	321	180000691	10/2/2018	9.77	9	46
170	322	180000512	7/15/2018	9.78	9	47

Incident
response time
ranking;
shortest to
longest

Type	Official Incident Number	Date	Decimal	Minutes	Seconds
321	180000783	11/5/2018	9.80	9	48
321	180000678	9/23/2018	9.83	9	50
321	180000771	11/1/2018	10.03	10	2
321	180000864	12/7/2018	10.05	10	3
321	180000501	7/8/2018	10.07	10	4
321	180000590	8/13/2018	10.27	10	16
321	180000616	8/23/2018	10.27	10	16
321	180000786	11/7/2018	10.28	10	17
321	180000503	7/9/2018	10.30	10	18
321	180000487	7/4/2018	10.38	10	23
321	180000799	11/11/2018	10.52	10	31
321	180000692	10/2/2018	10.53	10	32
321	180000861	12/6/2018	10.55	10	33
321	180000484	7/3/2018	10.58	10	35
321	180000680	9/26/2018	10.80	10	48
321	180000494	7/6/2018	10.87	10	52
321	180000612	8/22/2018	10.93	10	56
321	180000630	8/30/2018	10.97	10	58
321	180000782	11/5/2018	11.00	11	0
321	180000801	11/12/2018	11.02	11	1
321	180000618	8/23/2018	11.22	11	13
321	180000585	8/12/2018	11.25	11	15
321	180000770	11/1/2018	11.27	11	16
321	180000652	9/9/2018	11.40	11	24
321	180000649	9/9/2018	12.10	12	6
321	180000707	10/9/2018	12.22	12	13
321	180000483	7/2/2008	12.57	12	34
321	180000554	7/31/2018	12.70	12	42
321	180000860	12/6/2018	12.72	12	43
321	180000659	9/12/2018	13.73	13	44
321	180000636	9/4/2018	14.02	14	1
321	180000916	12/26/2018	14.55	14	33
321	180000603	8/17/2018	15.62	15	37
321	180000591	8/15/2018	15.93	15	56
321	180000586	8/12/2018	16.93	16	56
321	180000866	12/7/2018	18.02	18	1
321	180000922	12/30/2018	8.83	8	50
322	180000923	12/30/2018	0.17	0	10
321	180000924	12/30/2018	11.43	11	26
321	180000925	12/30/2018	5.38	5	23

90%

Incident
response time
ranking;
shortest to
longest

Type	Official Incident Number	Date	Decimal	Minutes	Seconds
321	180000927	12/31/2018	10.33	10	20
321	180000929	12/31/2018	5.48	5	29
321	190000001	1/1/2019	11.23	11	14
321	190000003	1/2/2019	5.22	5	13
321	190000004	1/2/2019	4.83	4	50
322	190000007	1/2/2019	9.58	9	35
322	190000008	1/2/2019	3.00	3	0
321	190000010	1/4/2019	7.68	7	41
321	190000014	1/7/2019	7.78	7	47
321	190000015	1/8/2019	11.13	11	8
321	190000017	1/8/2019	8.90	8	54
321	190000018	1/9/2019	9.65	9	39
321	190000019	1/9/2019	9.80	9	48
321	190000023	1/11/2019	6.57	6	34

