



Supplemental data notes on Redmond Fire's incident volumes, population growth, age-adjusted patient rates, automatic aid to Emerald Heights, and resident use of emergency services.

Context for Emerald Heights and the overall demand for emergency services in Redmond Fire's jurisdiction

Supplemental Data Notes

Prepared for Redmond Fire by Gus Olivo

Emerald Heights incident volume as a percentage of total Redmond Fire incidents

Redmond Fire Calls for Service by Category					
Year	2015	2016	2017	2018	Total
EMS	5442	5523	5644	5732	22341
Suppression	1697	1675	1834	1710	6916
Total	7139	7198	7478	7442	29,257

Emerald Heights Calls for Service by Category					
Year	2015	2016	2017	2018	4-Year Total
EMS	167	278	298	246	989
Suppression	5	8	10	8	31
Total	172	286	308	254	1,020

Emerald Heights as a % of Redmond Fire's Calls for Service by Category					
Year	2015	2016	2017	2018	4-Year Avg.
EMS	3.1%	5.0%	5.3%	4.3%	4.4%
Suppression	0.3%	0.5%	0.5%	0.5%	0.4%
Total	2.4%	4.0%	4.1%	3.4%	3.5%

Automatic aid to Emerald Heights

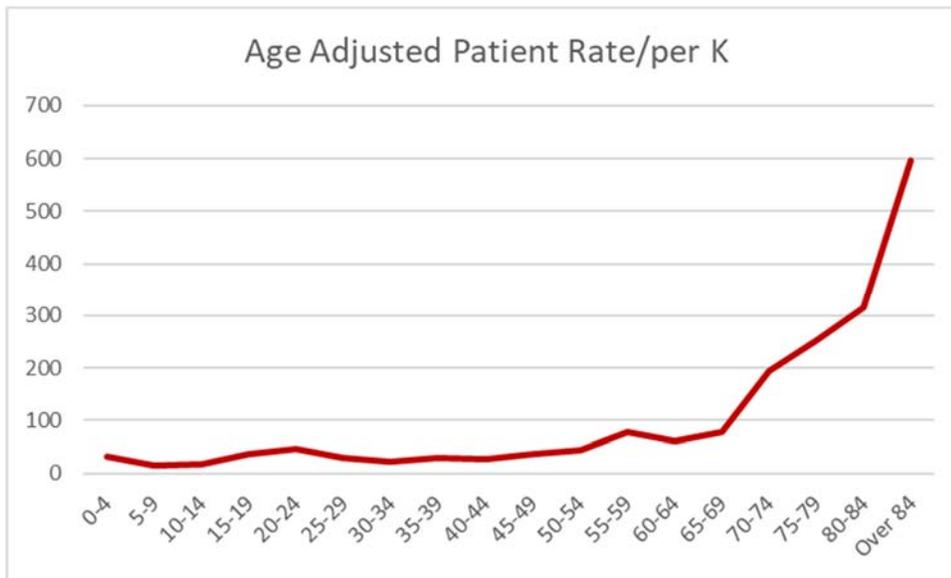
The amount of automatic aid delivered to Emerald Heights from 2015-2018 is minimal. The 1,020 calls for service to the facility resulted in 1,208 apparatus responses, of which only 20 responses were automatic aid. This translates to 1.7% of the responses to Emerald Heights were automatic aid. Aid 17's high-reliability may factor into the minimal automatic aid figure.

Population growth for the City of Redmond and Fire District 34

The population increases in Redmond Fire's jurisdiction by just over 1,800 residents on average – a 2.2% annual increase. The City of Redmond portion of the jurisdiction makes up the bulk of that increase with an estimated average annual population increase of 1,588 – a 2.6% annual increase. Fire District 34 population increases annually by 221 on average – a 1.0% annual increase.

	Estimate	Estimate	Estimate	Estimate
Year	2015	2016	2017	2018
Redmond	59,180	60,560	62,110	64,050
FD34	23,238	23,610	23,577	23,710
Total	82,418	84,170	85,687	87,760

Age adjusted patient rate per thousand 2017



Age Group	# of Patients by Age Group	Estimated COR/FD34		Age Adjusted Patient Rate/per K
		Population by Age Group	% of Patients	
No Data	1		0.0%	
0-4	202	6,430	4.3%	31.41
5-9	83	5,744	1.8%	14.45
10-14	79	4,544	1.7%	17.39
15-19	120	3,258	2.6%	36.83
20-24	199	4,287	4.2%	46.42
25-29	257	8,488	5.5%	30.28
30-34	258	11,317	5.5%	22.80
35-39	230	8,145	4.9%	28.24
40-44	182	6,944	3.9%	26.21
45-49	202	5,401	4.3%	37.40
50-54	204	4,715	4.3%	43.26
55-59	302	3,858	6.4%	78.28
60-64	238	3,944	5.1%	60.35
65-69	256	3,258	5.4%	78.58
70-74	284	1,457	6.0%	194.86
75-79	303	1,200	6.4%	252.44
80-84	325	1,029	6.9%	315.90
Over 84	974	1,629	20.7%	597.93
All Ages	4,699	85,734	100.0%	54.81

Individual utilization of EMS services by Emerald Heights residents

For the period of 2015-2018, patient care records (ESO) indicate that there are no Emerald Heights residents that would meet the classification of a high-utilizer of EMS services. This determination is in-line with residents being more independent and having access to outside care.