

**WARDS data for EGEMS Calls**

Age	% of Patients	
	2019	2018
41-60	10	16
60-80	34	33
81+	41	39
Grouping		
41-60	10	16
60+	75	71

**General Population makep for Elm Grove From Suburbanstats.com**

Ages	Male	Female	5781	
			Totals	% of Pop
0-39	1070	1147	2217	38.35
40-49	418	480	898	15.53
50-59	512	535	1047	18.11
60-64	212	230	442	7.65
65-69	138	161	299	5.17
70-74	110	149	259	4.48
75-79	122	141	263	4.55
80-84	78	132	210	3.63
85+	60	86	146	2.53

Age Group	#	Group %
0-59	4162	71.99%
60+	1619	28.01%

**% of age who**

% of EMS Translated		% of age who generate
Runs	Runs	EMS Call
25.00	67	1.60%
75.00	200	12.32%

Location	% of Patients		# of Patients	
	2019	2018	2019	2018
Homes & Apts	64%	59%	170	182
Business	9%	11%	24	34
Nursing Home & Assisted Living	9%	11%	24	34
Roads	9%	10%	24	31
Other	8%	9%	21	28

Specific Location:	2019	2018	Address	Units
Heritage	27	32	800 Wall St.	97
Emerald Woods	0	9	13050,60,70 Bluemour	99
SSND	9	4	13105 WTP	
Elm Grove Terrace Coi	10	12	13335 WTP	57
Woodside Terrace	0	3	1820 Westmoor Terrac	8

Currently: for 60 y/o up: 28% of the Population accounts for 75% of the patient calls

Currently: for 60 y/o up: 12.3% will have an EMS call (~ 1 out of 8)

**EG Data from Suburbanstats.com**

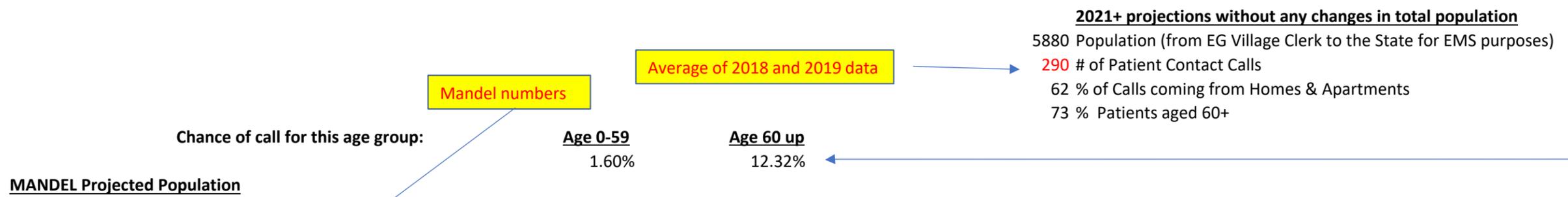
Age	Male	Female	Total	% of Pop
5781				
<5	127	148	275	4.8
5-18	564	579	1143	19.8
18-64	1521	1665	3186	55.1
65+	508	669	1177	20.4

**EG Data from US Census Bureau**

% of Pop	
4.8	4.5
19.8	23.4
55.1	46.9
20.4	25.2

Validity Check: Very similar demographics from 2 sources

**PROJECTIONS:**



	Likely #	Total	%	#	%	#	# Total
	pers/unit	Persons	Age 0-59	0-59	Age 60 up	60 up	Runs
<b>Option A</b> (257 units)							
27 SF Homes	2.62	70.74	72%	51	28%	20	3.3
230 Apartments	1.44	331.2	72%	238	28%	93	15.2
0 Senior Living		0				0	0.0
<b>Option A Total persons</b>		401.94					
<b>Option B</b> (342 units)							
12 SF Homes	2.62	31.44	72%	23	28%	9	1.4
230 Apartments	1.44	331.2	72%	238	28%	93	15.2
100 Senior Living	1.3	130	0%	0	100%	130	16.0
<b>Option B Total Persons</b>		492.64					
<b>Elm Grove Heights Projections</b>							
75 Apartments	1.44	108	0%	0	100%	108	13.3

2021+ projections with MANDEL Option A population changes		
6282	Population (5880+402)	6.8% Increase in population
18	Additional Runs/Year from this complex	
308	Total Patient Runs for Village	
6.4%	% increase in calls with population changes	
2021+ projections with MANDEL Option B population changes		
6373	Population (5880+493)	8.4% Increase in population
33	Additional Runs/Year from this complex	
323	Total Patient Runs for Village	
11.3%	% increase in calls with population changes	
2021+ projections with Elm Grove Heights population changes		
5988	Population (5880+108)	1.8% Increase in population
13	Additional Runs/Year from this complex	
303	Total Patient Runs for Village	
4.6%	% increase in calls with population changes	

**Current Proposal**

	Likely #	Total	%	#	%	#	# Total
	pers/unit	Persons	Age 0-59	0-59	Age 60 up	60 up	Runs
<b>Option C</b> (252 units)							
22 SF Homes	2.62	57.64	72%	42	28%	16	2.7
230 Apartments	1.44	331.2	72%	238	28%	93	15.2
0 Senior Living		0	0%	0	100%	0	0.0
<b>Option C Total Persons</b>		388.84					

2021+ projections with MANDEL Option C population changes		
6269	Population (5880+389)	6.6% Increase in population
18	Additional Runs/Year from this complex	
308	Total Patient Runs for Village	
6.2%	% increase in calls with population changes	

**Comparison Mandel Properties - North Shore Fire Department Actual Run data Averaged**

Runs/Yr	Apartments	Property	Likely #	Total	%	#	%	#	Predicted
			pers/unit	Persons	Age 0-59	0-59	Age 60 up	60 up	Runs/Yr
2.00	103	Chiswick Place	1.44	148.32	72%	107	28%	42	6.8
6.50	83	Beaumont Place	1.44	119.52	72%	86	28%	33	5.5
6.83	85	Lighthorse	1.44	122.4	72%	88	28%	34	5.6
15.33	271	All Combined	1.44	390.24	72%	281	28%	109	18.0

**Overall Estimated Impact from the Current Mandel proposal above:**

**Assumption:** "Apartments" reflect average apartment person ages mix"

6.61% Increase in population  
 18 Additional EMS Runs per year

At 90 minutes per call this equates to:  
 27 additional hours per year for an EMT to Cover

**Overall Estimated Impact from the Housing changes above:**

8.7 to 10.2% increase in population  
 11 to 16 % increase in EMS patient runs per year  
 32 to 46 additional EMS patient runs per year

Proposal  
Range

4 Average EMTs/call  
\$27 Average pay/call/emt  
\$108 Average cost per run for EMT pay  
\$1,944 Estimate additional Cost for EMT pay per year

However, if "Apartments" more reflects "Senior Living" ages mix:

6.61% Increase in population  
43 Additional EMS Runs per year

At 90 minutes per call this equates to:  
64.5 additional hours per year for an EMT to Cover  
4 Average EMTs/call  
\$27 Average pay/call/emt  
\$108 Average cost per run for EMT pay  
\$4,644 Estimate additional Cost for EMT pay per year

At 90 minutes per call this equates to:  
47.7 to 69. additional hours per year for an EMT to cover, or  
1.2 to 1.7 additional weeks per year for an EMT to cover

At least 2 EMTs required per call; one must be a paramedic