

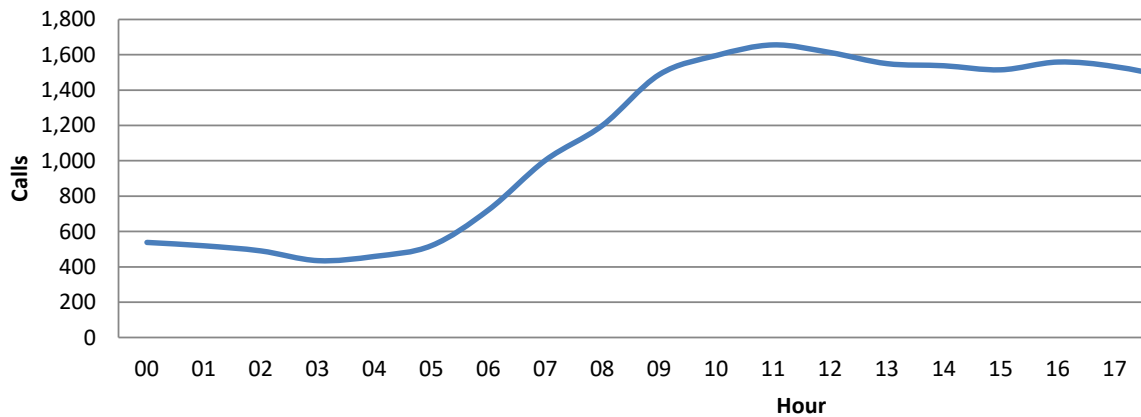
Demand Patterns & Capacity

Hour-of-day call distribution (by dispatch time), peak-load days, and simultaneous-call burden across the system.

Calls by Hour of Day (all years)

Entity	00	01	02	03	04	05	06	07	08	09	10
Kirkville Fire	9	5	8	6	4	10	9	14	22	25	23
Minoa Fire	32	17	28	21	20	26	21	51	63	90	106
Manlius Fire	52	55	38	28	40	36	70	84	119	135	171
Fayetteville Fire	49	54	41	21	39	31	65	100	125	155	178
Minoa EMS	127	113	121	107	111	129	163	185	237	298	315
Manlius EMS	125	134	118	112	108	124	162	250	270	338	347
Fayetteville EMS	144	141	136	140	137	164	232	319	364	447	456
SYSTEM TOTAL	538	519	490	435	459	520	722	1,003	1,200	1,488	1,596

System Calls by Hour of Day



Pattern: Fire depts peak late afternoon/evening (16:00–19:00). EMS agencies show a broad daytime plateau (09:00–18:00) typical of

Simultaneous-Call & Peak-Load Burden

Entity	Avg calls/day	Max in 1 day	Days ≥3 calls	Days ≥5 calls	Days ≥8 calls	Days ≥10 calls
Kirkville Fire	1.3	4	16	0	0	0
Minoa Fire	2.0	8	223	31	1	0
Manlius Fire	2.7	11	465	147	12	3
Fayetteville Fire	2.8	10	467	142	9	2
Minoa EMS	5.0	15	975	605	121	3
Manlius EMS	5.3	16	963	656	177	5
Fayetteville EMS	6.9	17	1,061	885	429	19

Capacity signal: Fayetteville EMS hits 17 calls in a single day and exceeds 10 calls on ~190 days — the heaviest simultaneous-demand

11	12	13	14	15	16	17	18	19	20	21	22	23
26	26	28	28	31	35	38	32	35	28	19	25	11
82	83	88	93	87	110	108	120	121	96	94	62	41
166	185	145	158	165	176	181	167	142	142	100	86	62
162	174	159	169	182	182	195	159	142	122	103	69	57
344	313	316	344	317	316	314	306	240	227	177	169	148
367	358	331	309	311	292	285	282	256	294	220	184	174
509	474	483	437	422	448	412	391	320	323	263	223	181
1,656	1,613	1,550	1,538	1,515	1,559	1,533	1,457	1,256	1,232	976	818	674



of medical demand.

≥ 10
ills
0
0
3
2
0
1
30

ard load in the system, explaining its reliance on (and provision of) mutual aid.