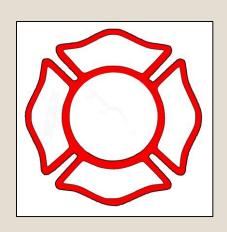
Tompkins County Department of Emergency Response

DEVELOPMENT OF EMERGENCY MEDICAL SERVICES









POLICE CALL FIRE MEDICAL 911





2016 (1999)

- PHONE TRAFFIC
- CALLS TO 911

(100 %)



151,521 (51,530)

34,248 (15,836)



76%

RADIO TRANSMISSIONS

3,078.600



ALL CALLS DISPATCHED

2006

2016

49,537

66,226

CALLS DISPATCHED PER DISCIPLINE

• LAW

34,315



45,149

FIRE



5,017

EMS

10,786

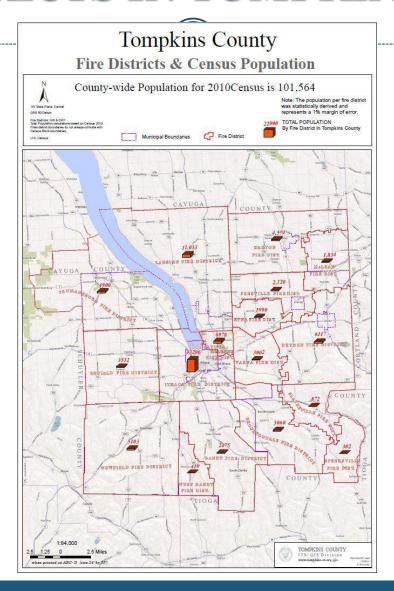


16,060

LAW ENFORCEMENT AGENCIES COORDINATING ON TOMPKINS COUNTY 800 MHz RADIO SYSTEM

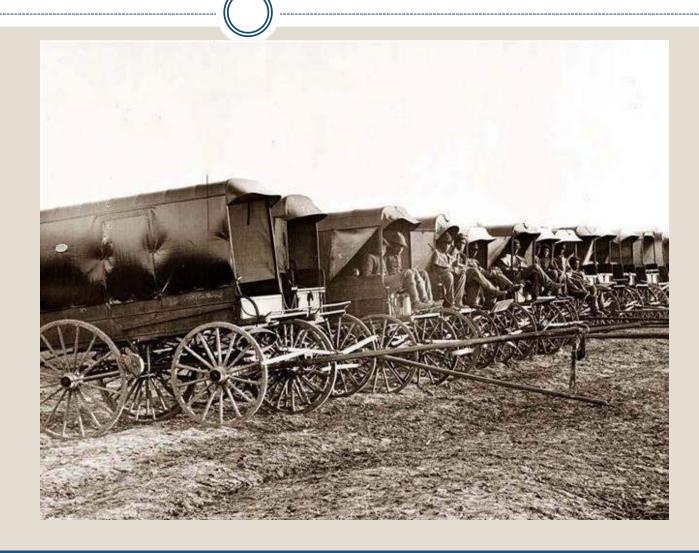
- Tompkins County Sheriff
- New York State Police
- Ithaca Police Department
- New York State Park Police
- Cayuga Heights Police Department
- Dryden Police Department
- Groton Police Department
- Trumansburg Police Department
- TC-3 Police
- Cornell Police
- Ithaca College Police
- New York State DEC

FIRE DISTRICTS IN TOMPKINS COUNTY



CIVIL WAR

In 1777, the **Congress of the United States** passed a bill "devising ways and means for preserving the health of the troops ... that a suitable number of covered and other wagons necessary for removing the sick and wounded ..."



1905 – First Gasoline Ambulance

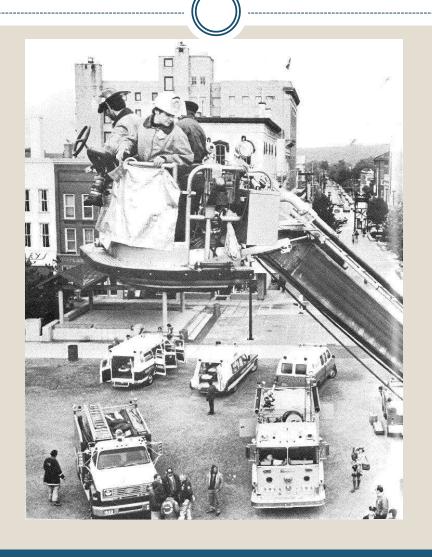


BANGS AMBULANCE





COUNTY and "HOSPITAL" AMBULANCES



ALMEDA/LANSING AMBULANCE



SLATERVILLE AMBULANCE



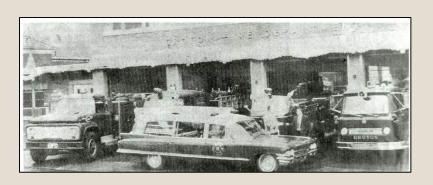
NEW AMBULANCE — Members of the Slaterville Springs Fire Department pose in front of their new ambulance. The Department will hold Field Days Thursday through Saturday to raise money to buy additional equipment for the ambulance. Left to right are Gordon Ryan, Guy Blackburn, Dennis Armstrong, Francis Hamilton, Howard Durbon and Ray Griffin.



GROTON AMBULANCE











TRUMANSBURG AMBULANCE



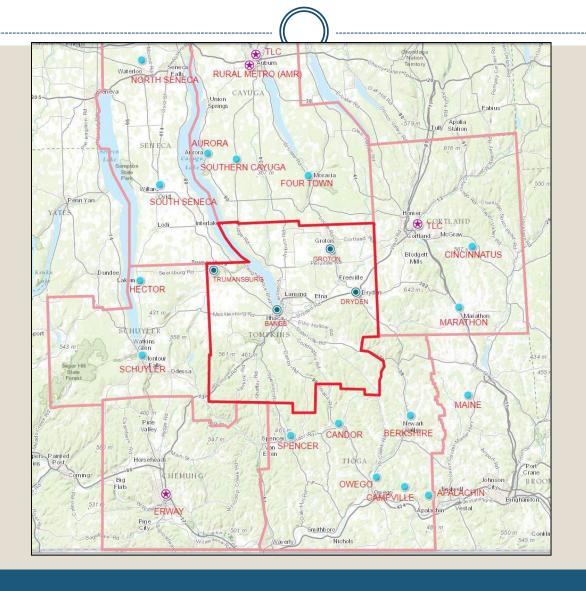


DRYDEN AMBULANCE



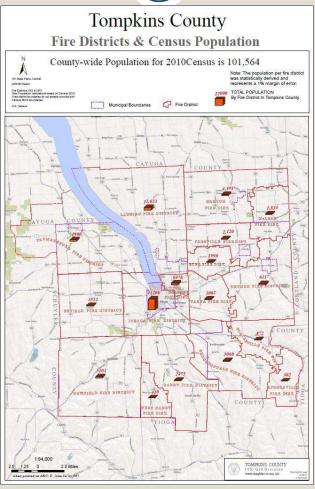


2017 AMBULANCE DISTRICTS



TWO-TIER





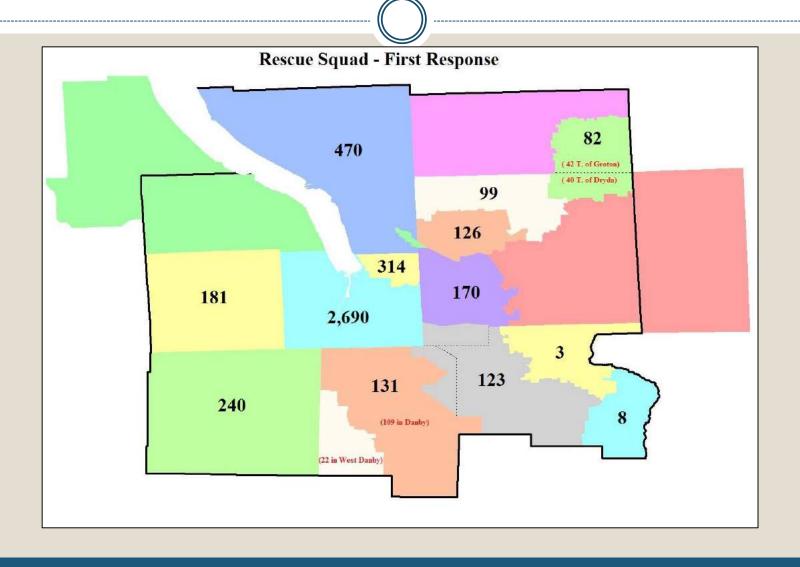
FIRE RESPONSE TRENDS

Fire	1976	2016	Alarms	Adjusted
Brooktondale	45	67	7	60
Cayuga Heights	112	194	102	92
Etna	45	60	11	49
Danby	55	75	11	64
Dryden	114	320	187	133
Enfield	57	82	8	74
Freeville	36	129	76	53
Groton	101	109	25	84
Ithaca	990	2,410	1,366	1,044
Lansing	172	358	161	197
McLean	39	46	4	42
Newfield	71	102	8	94
Slaterville	39	32	3	29
Speedsville	5	10	1	9
Trumansburg	130	277	89	188
Varna	58	95	18	77
	77			
Ithaca	990	2,410	1,366	1,044
All Others	1,078	1,956	711	1,245
Fire	2,068	4,366	2,077	2,289
Rescue	436	4,739		
Total	2,068	9,105		
Mutual Aid	221	774		

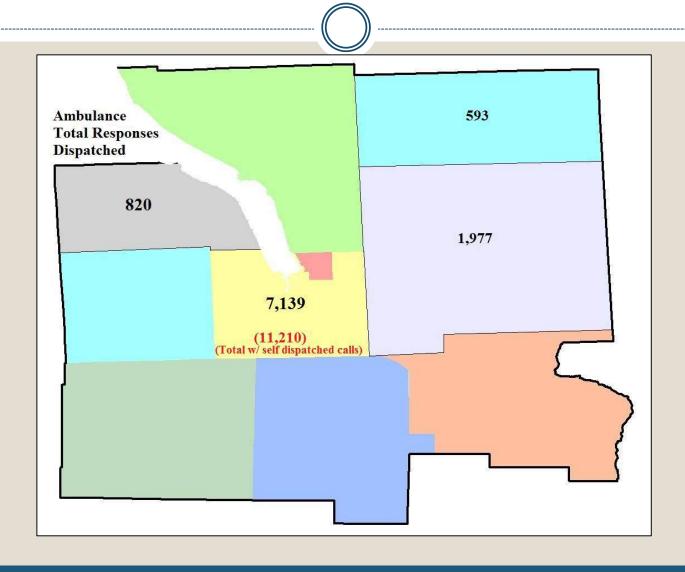
EMS DISPATCHED IN COUNTY

		[[1)	 	+
				Fire*	
EMS Dispatched in County	1976	1984	2016	2016	2015
Groton	194	367	571	109	77
Lansing	209	394	0	358	421
Slaterville	112	144	0	32	40
Trumansburg	250	274	691	277	237
County	332				
Bangs	365	1,324	7,193		
Dryden/Perkins	176	499	1,507	320	313
Brooktondale		59	123	67	71
Cayuga Heights		103	314	194	201
Etna		70	126	60	38
Danby		54	153	75	86
Enfield		68	181	82	101
Freeville		57	99	129	120
Ithaca		432	2,690	2410	2,436
McLean		58	82	46	62
Newfield		102	240	102	183
Speedsville		13	8	10	8
Varna		49	170	95	89
Rescue	0	1,065	4,739	4,366	4,483
Ambulance Only	1,638	3,002	9,962		
EMS All Calls (in county)	1,638	4,067	14,701		
Mutual Aid (out of county/Stand-by)			1,359		
EMS Responses			16,060		
-					
*Excludes Mutual Aid and EMS Assists					

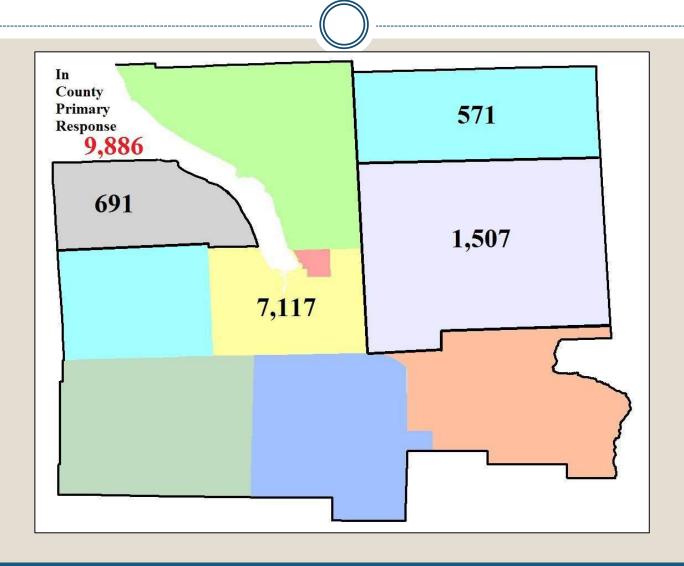
RESCUE SQUAD – FIRST RESPONSE



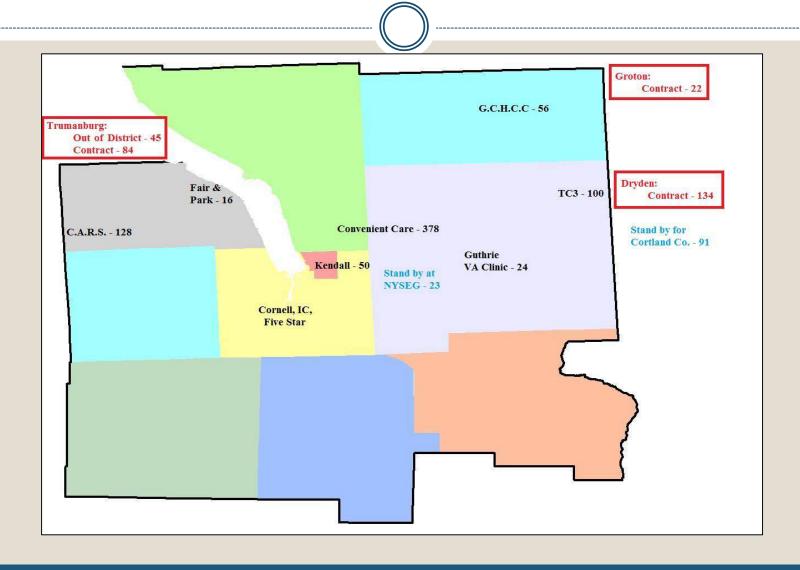
2016 - TOTAL AMBULANCE RESPONSES DISPATCHED



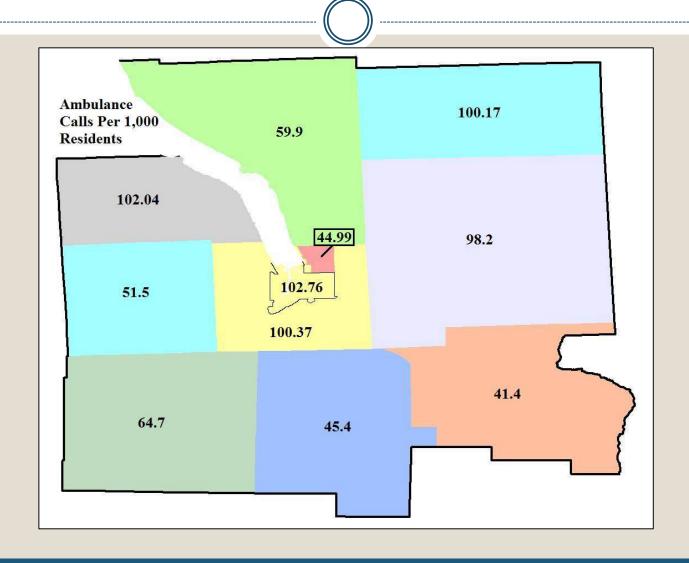
IN COUNTY - PRIMARY RESPONSE



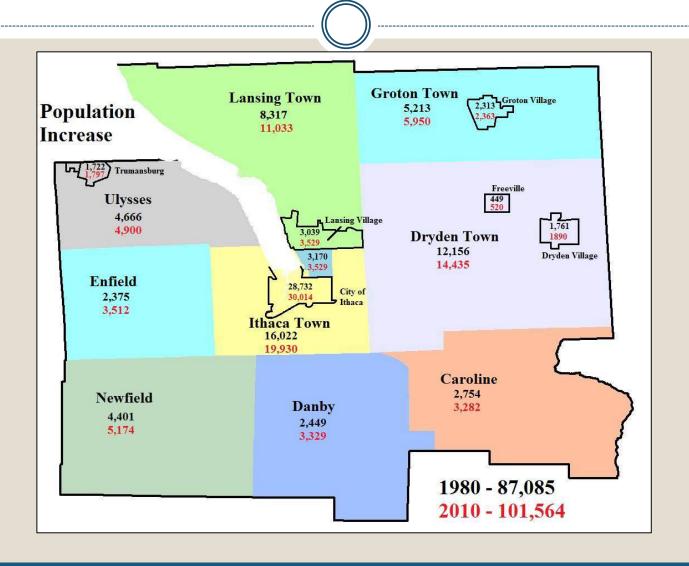
CONSIDERATIONS



AMBULANCE CALLS / 1000 RESIDENTS



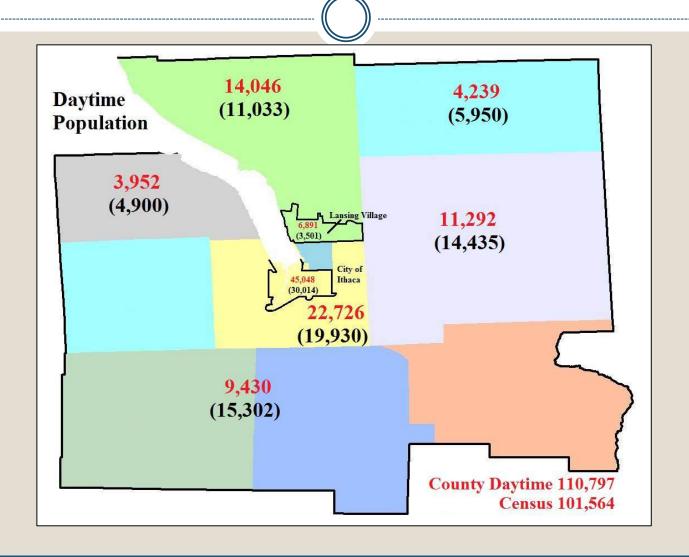
POPULATION INCREASE



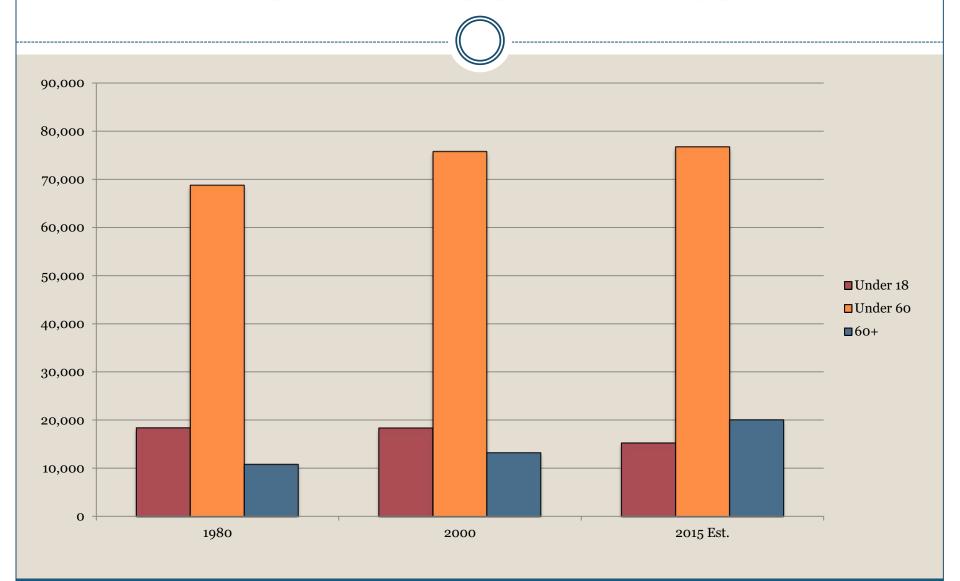
POPULATION AGES

			((<u>1</u>)	
Median Age	Calls	Per 1000/Pop	Per 1000/Pop	
22.4	4,415.00		102.8	* Direct, Health care
45.9	500.00		102.4	* CARS/Parks/MVA
		106.8	10211	anis, ans, man
45.9	307.00	98.9		
27.5	1,300.00		100.4	
			100.2	* Nursing Home/MVA/14-15
40	367.00	155.3		
41.3	204.00	56.9		
37.9	1,311.00		98.2	* TC3/VA/MVA
41.4	298.00	154.5		
37.9	1,209.00	104.9		
29.8	6,128.00		80.3	* Convenient Care/Guthrie/5-Star/Kendall
40.4	335.00		64.7	
39.6	631.00		59.9	* Convenient Care
41.2	242.00		51.5	
43.5	134.00		45.4	
34.7	314.00		45	* Kendall
40.3	185.00		41.4	
	22.4 45.9 46.4 45.9 27.5 41.3 40 41.3 37.9 41.4 37.9 29.8 40.4 39.6 41.2 43.5	22.4 4,415.00 45.9 500.00 46.4 192.00 45.9 307.00 27.5 1,300.00 41.3 596.00 40 367.00 41.3 204.00 37.9 1,311.00 41.4 298.00 37.9 1,209.00 29.8 6,128.00 40.4 335.00 40.4 335.00 41.2 242.00 43.5 134.00 34.7 314.00	22.4 4,415.00 45.9 500.00 46.4 192.00 106.8 45.9 307.00 98.9 27.5 1,300.00 41.3 596.00 40 367.00 155.3 41.3 204.00 56.9 37.9 1,311.00 41.4 298.00 154.5 37.9 1,209.00 104.9 29.8 6,128.00 40.4 335.00 41.2 242.00 43.5 134.00 34.7 314.00	22.4 4,415.00 102.8 45.9 500.00 106.8 45.9 307.00 98.9 27.5 1,300.00 100.4 41.3 596.00 100.2 40 367.00 155.3 41.3 204.00 56.9 37.9 1,311.00 98.2 41.4 298.00 154.5 37.9 1,209.00 104.9 29.8 6,128.00 80.3 40.4 335.00 64.7 39.6 631.00 59.9 41.2 242.00 51.5 43.5 134.00 45.4

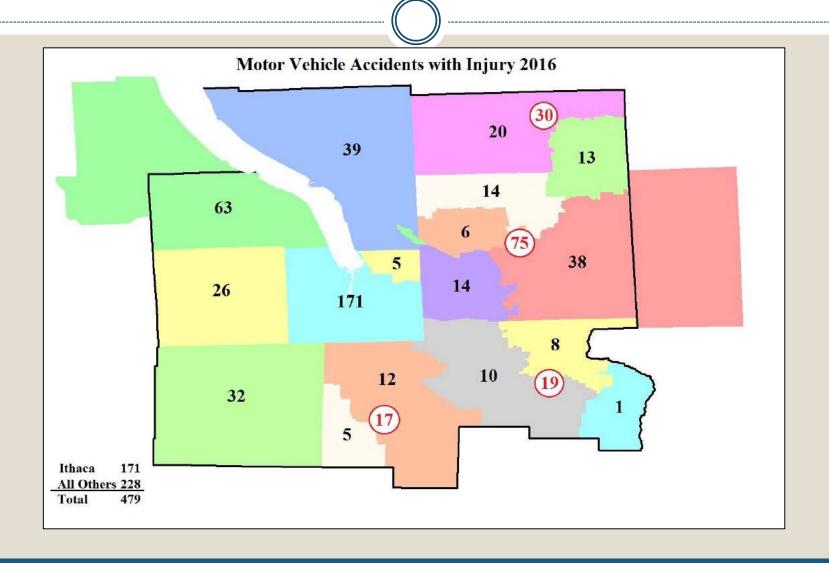
DAY TIME POPULATION



AGE DEMOGRAPHICS



MOTOR VEHICLE CRASHES W/ INJURIES

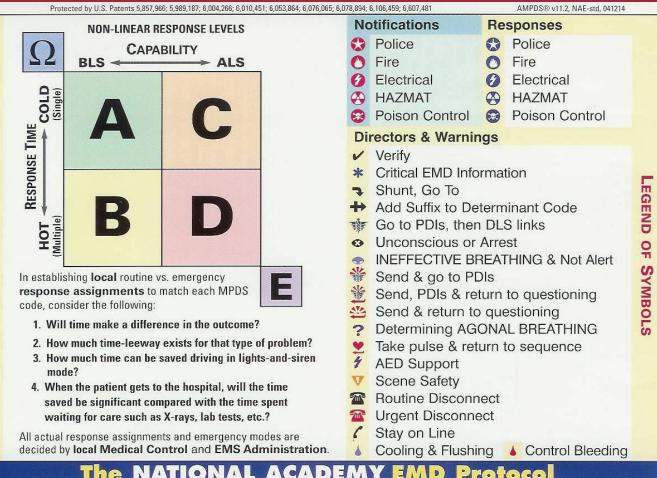


MOTOR VEHICLE CRASHES

		11 11	
MVAs			
	Total	State Highway	Road Mile
Trumansburg	63	37.07	253.99
Lansing	39	23.69	195.27
Dryden	38	15.84	89.98
Newfield	32	14.83	145.07
Enfield	26	11.95	84.75
Groton	20	11.63	97.13
Danby District	17	12.03	105.96
Freeville	14	10.08	47.31
Varna	14	6.07	47.74
McLean	13	5.22	47.29
Brooktondale	10	4.46	62.23
Slaterville	8	4.82	29.52
Etna	6	1.46	25.95
Cayuga Heights	5	1.49	44.48
Speedsville	1	0	20.43
Ithaca	171		

EMD DETERMINANTS





9886 – Ambulance calls dispatched in County and preliminarily coded

7564 – processed by Dispatch as full PRO-**QA**

1173 - "send"

1149 - taken by 3rd party, assist, fire, standby

The NATIONAL ACADEMY EMD Protocol

2016 TOP 12 PROTOCOLS



PRO QA Top Twelve Types

	Pro QA			All Coded	
Falls	1,228	16.23		15.51	1,533
Sick Person	1,063	13.70		15.41	1,523
Breathing	628	8.30		8.49	840
Unconscious/Fainting	594	7.85		6.83	675
Chest Pain	527	6.97		7.24	716
Unknown	489	6.46		6.20	613
Traffic Accident	415	5.49		5.67	561
Psychiatric	350	4.63		4.76	471
Seizures	301	3.98		4.19	414
Abdominal	271	3.58		3.51	347
Overdose	252	3.33		3.03	300
Hemmorhage	220	2.21		2.87	283
All Others	1,253	16.57		16.28	1,610
	7,564				9,886

SEND PROTOCOL



SEND™ Protocol

Secondary Emergency Notification of Dispatch



The EMS/Ambulance service relies on you to provide the following information:

- 1. Chief Complaint and incident type?
 - a. Is there more than one person injured?
- 2. Approximate age?
- 3. Conscious: Yes / No... or alert?
- 4. Breathing: Yes / No. . . or difficulty?
- 5. (Illness case age 35 or over): Is there chest pain?
- 6. (Accident or injury case): Is there severe bleeding (spurting/pouring)?
- 7. (Response mode):

Do you need a lights-and-siren response?

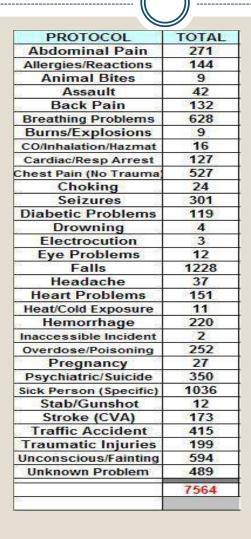
AF A

For Police, Security, Military & Federal Agents when calling in from the field

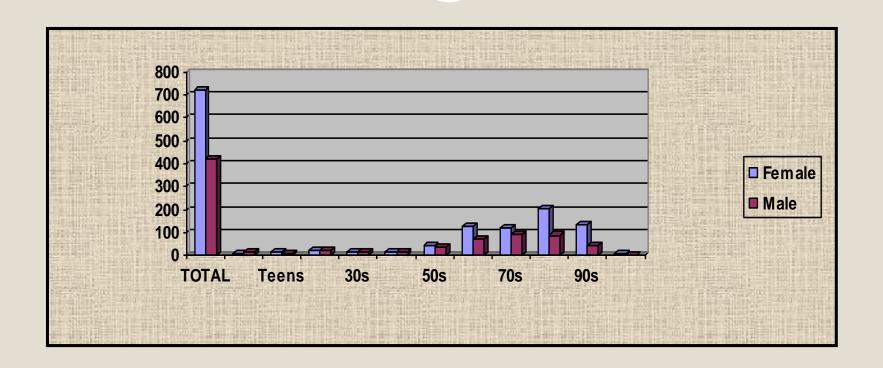
© 1984-2013 Priority Dispatch Corp., Salt Lake City, Utah, USA 13120

The International Academy EMD Protocol System

CALLS BY PROTOCOL

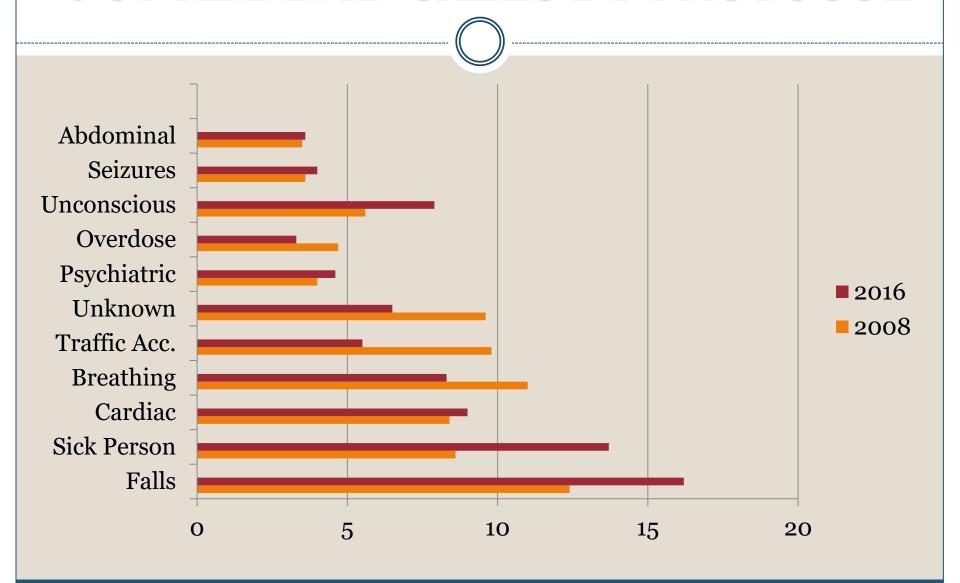


FALLS in 2016 – 1,228

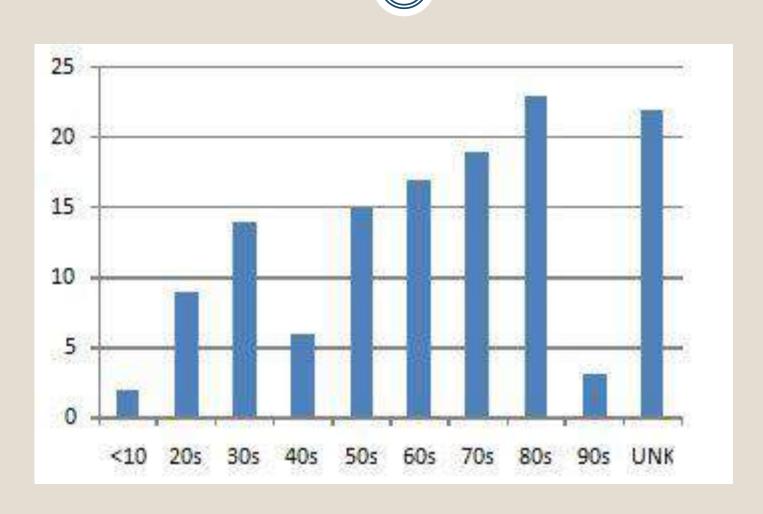


Of note: 399 or 32.5% of all calls occurred in a "congregate" living site ... and almost half of that number occurred in one site

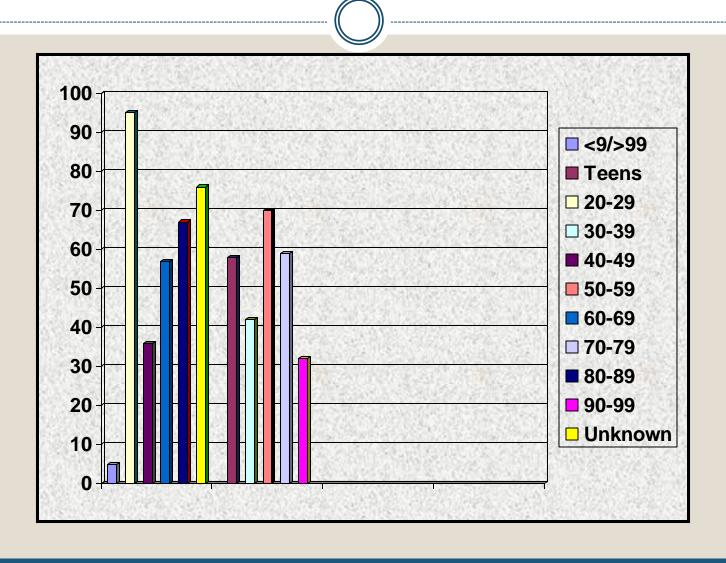
% OF ALL EMD CALLS BY PROTOCOL



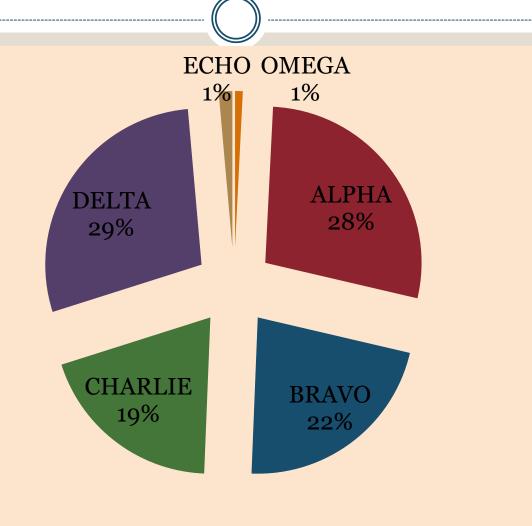
2016 – ECHO CALLS



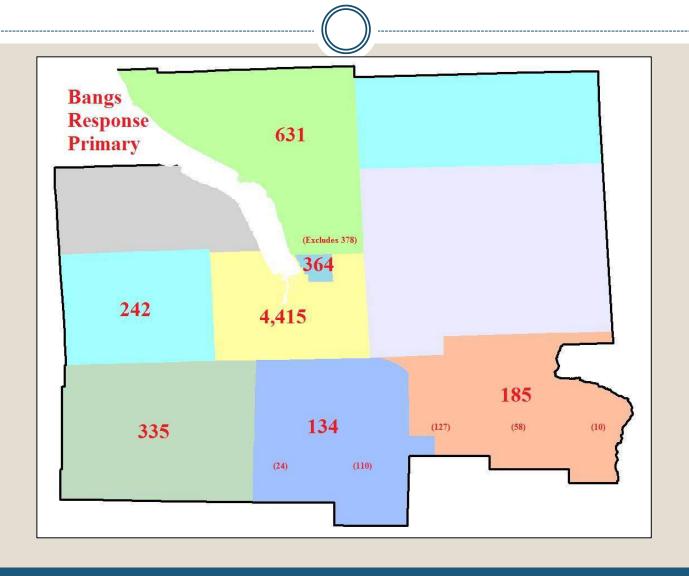
PROTOCOL 31 – UNCONSCIOUS PERSON



EMD DETERMINANTS



RESPONSES BY BANGS AMBULANCE



EFFECTS OF ALPHA RESPONSES

			[[
	In-Town						
Service	EMS Total	Minus MVA	Minus other	Adjusted	Pop	Per/1,000	
Trumansburg	691	63	128	500	4900	102.04	
Dryden	1507	72	124	1311	13352	98.18	
Groton (2yr 14/15)	672	20	56	596	5950	100.17	
Groton (3 yr)	645	20	56				
Groton	571	20	56				
						Per/100 Unit	
Ulysses				500	2383	2.01	
Dryden				1311	6418	2.04	
Groton				596	2448	2.43	
		MVA	Standby NYSEG			No Rescue	% of total
Dryden (T-O-V)	611		N/A		N/A		
Village	298		N/A		N/A		
Freeville	155		N/A	141		42	0.298
Etna	189		N/A	183	126	37	0.202
Varna	214	14	21	179	170	9	
McLean	40	3		37	33	4	
Dryden Total							
Enfield				242	181	61	0.252
Newfield				335	240	95	0.283
Lansing				671	470	161	0.240
Ithaca				4287	2690	1597	0.373

NOTES: Trumansburg Minus CARS & Parks

Groton Minus N.H.

Dryden Minus Guthrie, VA, TC3 Mental health, bravo, George Jr.

THANK YOU

