

Ambulance Offload

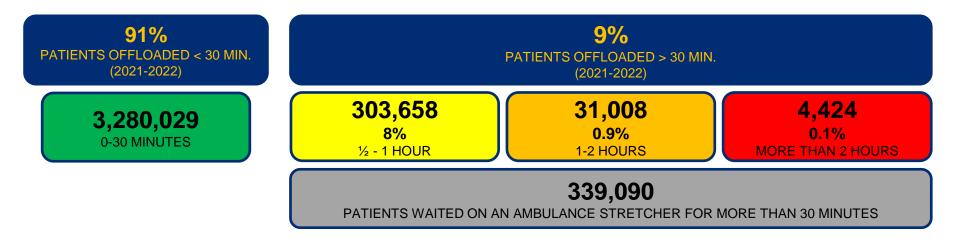
2019 – 2022 Data

Bureau of Emergency Medical Services and Trauma Systems

The Problem Patient Offload 2021 - 2022

IMPACT

911 Readiness • Interfacility Transportation • Mutual Aid • Public Confidence • Complaints (1,647 since 1/27/21)





In The News

Capital Region ambulance companies frustrated by long waits at ERs

A new town of Guilderland policy enables EMS crews to leave patients in the emergency room or bill the hospital for labor when there are ER delays

Oswego Hospital diverting emergency patients; city

Guilderland EMS pitches policy to keep from being 'held hostage' at hospitals

Monday, November 7, 2022 - 18:23 GUILDERLAND — Town ambulance crews have

endured long waits at local hospitals, worrying leaders that they won't be able to respond to residents' 911 calls.

The waits have grown longer over the last several years.

"Sometimes we'll be delayed at the hospital an hour up to four hours," said Jay Tyler, director of the Guilderland Emergency Medical Services, known as GEMS. "They're really holding us hostage there. We have to treat the patient; we have to monitor the patient."

Consequently, Tyler, who chairs the EMS Patient Offload and Delay Committee, which is looking at the problem regionally, has proposed a policy to standardize the times crews spend at hospitals based on how stretched thin they are.



declares state of emergency

erprise file photo – Michael Koff

by GREG CASTER gcaster@palltimes.com Dec 7, 2021

Rochester, N.Y. — New York state has one of the longest average wait times for patients to see emergency doctors in the country, causing major backups for ambulances, looking to drop off their patients.

It takes an average of 3.3 hours to be seen by an emergency doctor in New York, according to Gov. Kathy Hochul's State of the State address.

Rachel Weaver, deputy chief of patient care at Monroe Ambulance, said her crews are often stuck waiting in long lines for their patients to be admitted to the emergency department at local hospitals. The problem began during the pandemic, and she said it has not gotten better.

> 7 hospitals in northern & central NY had to divert patients over the weekend



You may be at a hospital for two hours. We had a crew that had a two-hour wait here in the city Saturday night," said Scott Lennox

is an issue that Lennox and his crews at Town of Watertown Ambulance are periodically dealing with. Lennox says the pandemic has

Staffing crisis forces Syracuse hospitals to turn away thousands. An ambulance to Schenectady?

Updated: Sep. 30, 2022, 12:01 p.m. | Published: Sep. 29, 2022, 6:00 a.m.



William Smith of Mexico. N.Y., and his wife, Nancy, in a room at Oswego Hospital. Smith was stranded in Oswego Hospital for 42 days withing to be transferred to a hospital with heart specialists. He needed to get his infected pacemaker replaced. Smith was finally transferred to Ellis Hospital in Schenetady. James T. Mulder [jmulder@syncus.com





Hospitals

Statewide Services Summary



Hospital capacity data is collected from 192 facilitiesMonday through Friday.

Region	Total Hospitals		pitals ting EDs	•	Operating are Beds	•	Operating Beds
Capital Region	7	7	100%	7	100%	7	100%
Central New York	9	9	100%	9	100%	8	89%
Finger Lakes	15	13	87%	13	87%	11	73%
Long Island	23	23	100%	22	95%	22	96%
Mid-Hudson	28	25	89%	27	96%	22	79%
Mohawk Valley	10	9	90%	10	100%	6	60%
New York City	52	50	96%	48	92%	48	93%
North Country	14	14	100%	13	93%	7	50%
Southern Tier	14	13	93%	13	93%	7	50%
Western New York	20	20	100%	18	90%	12	60%
Statewide	192	183	95%	180	94%	150	78%

Based on Average 2022 HERDS Weekday Reporting

Red indicates variance from statewide average

NEW YORK

Department

of Health

Hospitals

Emergency Department



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- 95% of hospitals operate an Emergency Department (ED)
- 4 regions reporting available staffed ED beds per capita below state average

Region	Hospitals Operating EDs	Staffed ED Beds	Staffed ED Beds Per Capita / 100k	Patients Boarding in ED Beds	% of ED Beds Occupied by Boarding Pts.	Available Staffed ED Beds	Available Staffed ED Beds Per Capita / 100k
Capital Region	7	316.9	29.1	88.1	27.8%	228.8	21.01
Central New York	9	264.4	34.1	91.9	34.7%	172.5	22.24
Finger Lakes	13	438.9	36.5	209.9	47.8%	229	19.04
Long Island	23	1,062.6	37.4	198.9	18.7%	863.7	30.42
Mid-Hudson	25	740.9	31.9	97.6	13.2%	643.3	27.70
Mohawk Valley	9	178.4	36.8	19.9	11.1%	158.5	32.67
New York City	50	3,081.1	36.7	771.8	25.0%	2309.3	27.50
North Country	14	169.3	40.8	24.0	14.2%	145.3	35.05
Southern Tier	13	237.2	37.5	66.7	28.1%	170.5	26.92
Western New York	20	470.4	34.1	93.7	19.9%	376.7	27.27
Statewide	183	6,960	35.6	1662.4	24.1	5297.6	27.11

Based on Average 2022 HERDS Weekday Reporting

Red indicates variance from statewide average

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Hospitals Acute Care Beds



94% of hospitals reporting staffed acute care beds7 regions reporting staffed acute care beds per capita below state average4 regions reporting occupied acute care beds above state average

Region	Hospitals Operating Acute Care Beds	Staffed Acute Care Beds	Staffed Acute Care Beds Per Capita / 100k	Staffed Acute Care Beds Occupied	% Acute Care Beds Occupied
Capital Region	7	1,786.5	164	1,540.8	86.3%
Central New York	9	1,219.8	157.3	1,114.3	91.3%
Finger Lakes	13	2,284.2	183.9	2,098.8	91.9%
Long Island	22	5,787.7	203.8	4,372.7	75.6%
Mid-Hudson	27	3,744.3	161.3	2,868.5	76.6%
Mohawk Valley	10	655.1	135	561.4	85.7%
New York City	48	15,306.7	182.2	12,139.1	79.3%
North Country	13	590	142.3	461.8	78.3%
Southern Tier	13	831.9	131.4	656.4	78.9%
Western New York	18	2,110.8	152.8	1,693.7	80.2%
Total	180	34,317	175.6	27,507.4	80.2%



Based on Average 2022 HERDS Weekday Reporting

Red indicates variance from statewide average

Hospitals ICU Beds



• 78% of hospitals report staffed ICU beds

• 6 regions reporting staffed ICU beds per capita below state average

• 7 regions reporting occupied ICU beds above state average

Region	Hospitals with ICU Beds	Staffed ICU Beds	Staffed ICU Beds Per Capita / 100k	Occupied ICU Beds	% ICU Beds Occupied
Capital Region	7	178.5	16.4	157.8	88.4%
Central New York	8	202.7	26.1	180	88.8%
Finger Lakes	11	275.9	22.9	243.5	88.3%
Long Island	22	786.3	27.7	548.5	69.8%
Mid-Hudson	22	465.7	20.1	346.7	74.4%
Mohawk Valley	6	77.7	16.0	63.7	81.9%
New York City	48	2,049.3	24.4	1,639.8	80.0%
North Country	7	51.3	12.4	36.5	71.2%
Southern Tier	7	89.4	14.1	74.7	83.5%
Western New York	12	293.2	21.2	231.5	79.0%
Total	150	4,470	22.9	3,522.7	78.8%

Based on Average 2022 HERDS Weekday Reporting

Red indicates variance from statewide average



Staffing Type by Region

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78.5% of all 911 ambulance patient transports were completed by career ambulance services (20%) 2022

	Region	Total	Career	Hybrid	Volunteer
	Capital Region	91	38	39	14
	Central New York	50	11	29	10
000	Finger Lakes	75	14	26	35
982	Long Island	171	15	94	62
IBULANCE SERVICES	Mid-Hudson	145	20	46	79
20%	Mohawk Valley	54	16	10	28
CAREER	New York City	66	34	3	29
32%	North Country	95	12	35	48
HYBRID	Southern Tier	81	14	23	44
48% VOLUNTEER	Western New York	148	14	9	125
VOLONTLER	Out of State	6	5	1	0
	Statewide	982	193	315	474

*Hybrid services utilize both volunteer and career staffing.

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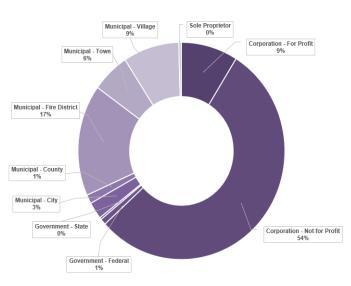
YORK

DATA ON 01/01/22

Ownership Breakdown

	Ownership	Total
	Corporation – For Profit	87
	Corporation – Not for Profit	534
	Government - Federal	9
	Government – State	3
54%	Municipal – City	25
NOT-FOR-PROFIT	Municipal – County	13
37% GOVERNMENT	Municipal – Fire District	163
9%	Municipal – Town	58
FOR-PROFIT	Municipal - Village	86
	Sole Proprietor	4

982





Staffing Type by Region

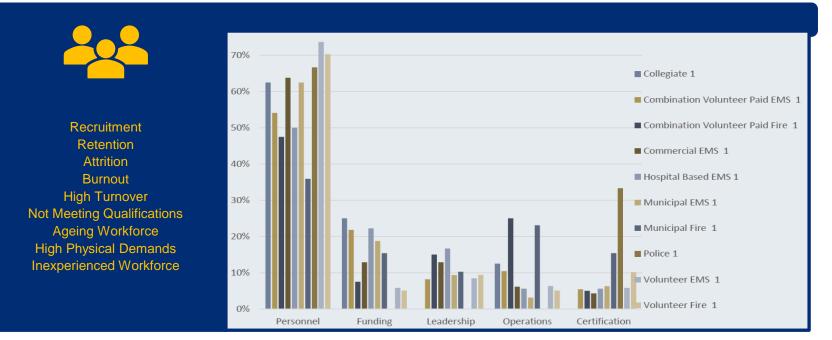
The total number of ambulance services in New York State has decreased by 9% over the past 10 years

		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
	Ambulance Services	1,078	1,087	1,074	1,063	1,050	1,032	1,023	1,013	995	994	982
	New	12	6	8	14	18	14	6	7	8	5	12
2019 - 2022	Closed	-3	-19	-19	-27	-36	-23	-16	-25	-9	-17	-24
43	Net +/-	9	-13	-11	-13	-18	-9	-10	-18	-1	-12	-12
(4%) FEWER AMBULANCE SERVICES				110 NEW					18 DSED			



Staffing and Personnel Factors

The number one issue facing emergency medical services agencies in New York State is staffing and personnel according to a recent survey.





Active Certified EMS Practitioners

Statewide Summary

	e number of active New York State EMS practitioners has decreased by 17.5% (-7,024) since 2019 42% of the total number of licensed EMS practitioners were active in 2022					
TOTOTOT		2019	2020	2021	2022	
2022	Emergency Medical Technician	27,063	20,563	24,939	23,412	
2022	Advanced Emergency Medical Technician	1,325	1,276	1,549	1,462	
78,173	Emergency Medical Technician – Critical Care	1,074	914	723	610	
TOTAL LICENSED	Paramedic	10,584	7,257	7,495	7,538	
MS PRACTITIONERS	Grand Total	40,046	30,010	34,706	33,022	
33,022 ACTIVE						
MS PRACTITIONERS	71% 4%		2%		3%	
	EMT AEMT		EMT-CC	PAR	AMEDIC	
Based on the sum of	unique license numbers appearing on patie	ent care rec	ords	ſ	NEW Dep	

STATE

of Health

Statewide Summary

- 911 ambulance response grew by 4.5% over 4 years.
- 911 ambulance response resulting in transport of a patient grew by 1.3% (+24K)
- 68% of 911 ambulance responses result in transportation to a hospital

		2019	2020	2021	2022
	NYS Population	19,903,676	19,519,266	19,402,459	20,209,830
	EMS 911 Responses (includes transports)	2,738,872	2,656,218	2,802,380	2,861,878
	EMS 911 Patient Transports	1,934,734	1,764,708	1,898,166	1,958,691
9 CTITIONERS	EMS 911 Responses per Capita / 100	13.76	13.60	14.44	14.16
	EMS 911 Patient Transports per Capita / 100	9.72	9.04	9.78	9.69
	% of Responses Resulting in Patient Transport	70.6%	66.4%	67.7%	68.4%

AMBULANCE RESPONSES 7.5M PATIENTS TRANSPORTED

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47,70

ACTIVE EMS PRAC



911 Response by Region (People that requested an ambulance)

Region	2019	2020	2021	2022	Change 2019 vs 2022	% Change
Capital Region	179,387	182,053	190,728	199,670	20,283	11.3%
Central New York	134,492	132,826	143,482	144,053	9,561	7.1%
Finger Lakes	179,553	208,504	218,773	214,037	34,484	19.2%
Long Island	245,623	244,104	246,473	243,678	-1,945	-0.8%
Mid-Hudson	167,760	197,092	192,112	206,320	38,560	23.0%
Mohawk Valley	68,244	71,689	72,959	80,410	12,166	17.8%
New York City	1,464,500	1,318,567	1,420,074	1,441,222	-23,278	-1.6%
North Country	38,657	40,114	48,975	57,076	18,419	47.6%
Southern Tier	79,575	74,250	79,380	90,905	11,330	14.2%
Western New York	176,263	162,646	182,972	177,810	1,547	0.9%
Statewide	2,734,054	2,631,845	2,795,928	2,855,181	121,127	4.4%

The regions outside of New York City saw an increase of 144,405 emergency 911 responses (11.4%) (2019 vs 2022)



911 Patient Transport by Region (People that went to the Hospital)

Region	2019	2020	2021	2022	Change 2019 vs 2022	% Change
Capital Region	122,256	122,095	127,621	134,747	12,491	10.2%
Central New York	94,945	90,019	97,225	94,856	-89	-0.1%
Finger Lakes	123,735	135,298	140,862	136,151	12,416	10.0%
Long Island	179,624	181,697	198,336	195,153	15,529	8.6%
Mid-Hudson	121,082	130,520	135,840	148,244	27,162	22.4%
Mohawk Valley	53,322	53,210	54,547	60,651	7,329	13.7%
New York City	1,021,268	841,177	917,985	954,038	-67,230	-6.6%
North Country	29,069	28,477	34,225	39,715	10,646	36.6%
Southern Tier	59,995	52,695	54,350	63,433	3,438	5.7%
Western New York	128,622	118,742	136,138	130,944	2,322	1.8%
Statewide	1,935,937	1,753,930	1,897,129	1,957,932	24,014	1.2%

The regions outside of New York City saw an increase of 91,244 patient transports (10%) (2019 vs 2022)



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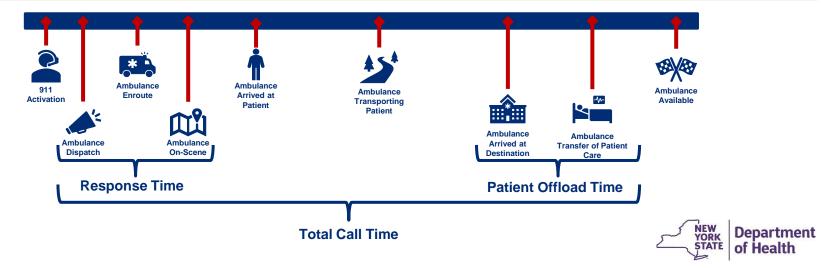
Prehospital Patient Care (PCR) Record Times



Response Time: The elapsed time between the time of ambulance dispatch until arrival on scene.

Patient Offload Time: The elapsed time between the arrival at the destination (hospital) until transfer of patient care to destination (hospital) medical staff.

Total Call Time: The elapsed time between time of dispatch until transfer of patient care to destination medical staff.



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Prehospital Patient Care (PCR) Record Times

The following slides provide a regional breakdown of:

- 1. The total number of patients transported by year (2019-2022)
- 2. The total number and percentage of transport by offload time

0-30 Minutes 31-60 Minutes 61-120 Minutes > 120 Minutes

- 3. Average annual response time (2019-2022)
- 4. Average annual total call time (2019-2022)

<u>NOTE</u>

Hospital offload time data for 2019-2020 was removed due to incomplete data provided in NEMSIS version 3.0 (2019) dataset and the variation in data caused by COVID-19 (2020).

Hospital offload times were unreported 2% - 5% of the time in the 2020-2022 data set statewide and as high as 15% in the New York City Region, Long Island Region, and Mid-Hudson Region. As such, this data should be considered directional.

Department

YORK

Statewide



COMPARING 2019 TO 2022

PATIENT TRANSPORT	OFFLOAD TIME 2021-2022 Data
+ 1% Overall	+1.9% Overall >30 min.
+24,014 Transports	+1.8% (31-60 min.) +0.2% (61-120 min.) -0.1% (>120 min.)
RESPONSE TIME	TOTAL CALL TIME
-1.2 MIN Overall	+0.6 MIN Overall
	NEW



Capital Region





COMPARING 2019 TO 2022

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ATIENT TRANSPORT	OFFLOAD TIME 2021-2022 Data
+ 10% Overall	+1.4% Overall >30 min.
+12,218 Transports	+1% (31-60 min.) +0.4% (61-120 min.) -0% (>120 min.)
RESPONSE TIME	TOTAL CALL TIME
+0.5 MIN Overall	+4 MIN Overall



Central New York



COMPARING 2019 TO 2022 PATIENT TRANSPORT OFEL OAD TIME

IENT TRANSPORT	2021-2022 Data
-0.1% Overall	+2.4% Overall >30 min.
-89 Transports	+1.5% (31-60 min.) +0.7% (61-120 min.) +0.2% (>120 min.)
ESPONSE TIME	TOTAL CALL TIME
+1.1 MIN Overall	+8.7 MIN Overall
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Finger Lakes





Overall

+3.8 MIN Overall



Long Island







22

Mid-Hudson





+24% Overall

+27,162 Transports

RESPONSE TIME

-1.4 MIN Overall +0.1% (61-120 min.) 0% (>120 min.)

+0.40%

Overall >30 min.

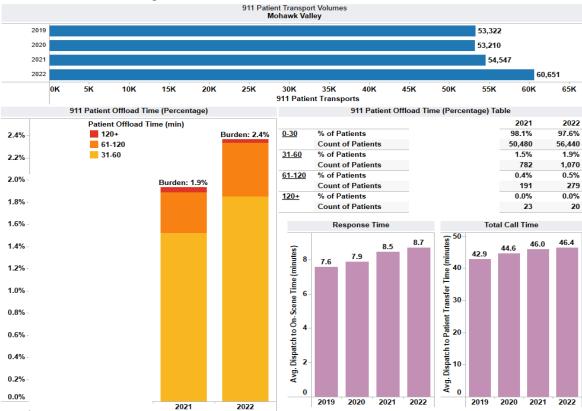
+0.3% (31-60 min.)

TOTAL CALL TIME

-4 MIN Overall



Mohawk Valley



COMPARING 2019 TO 2022 PATIENT TRANSPORT OFFLOAD TIME 2021-2022 Data +13.7%+0.50%Overall Overall >30 min. +0.4% (31-60 min.) +7.329+0.1% (61-120 min.) Transports 0% (>120 min.) **RESPONSE TIME TOTAL CALL TIME** +1.1 MIN +3.5 MIN Overall Overall



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New York City



COMPARING 2019 TO 2022		
TIENT TRANSPORT	OFFLOAD TIME 2021-2022 Data	
-6.6% Overall	+2.5% Overall >30 min.	
-67,230 Transports	+2.5% (31-60 min.) +0.2% (61-120 min.) -0.2% (>120 min.)	
RESPONSE TIME	TOTAL CALL TIME	
-2.5 MIN Overall	-1.4 MIN Overall	

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North Country





Transports

RESPONSE TIME

-0.1 MIN

Overall

+0.1% (31-60 min.) -0.1% (61-120 min.) -0.1% (>120 min.)

TOTAL CALL TIME

+8.1 MIN Overall



Southern Tier



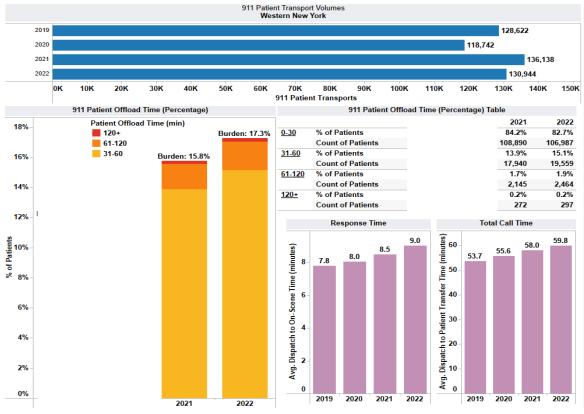


COMPARING 2019 TO 2022

PATIENT TRANSPORT	OFFLOAD TIME 2021-2022 Data
+5.7% Overall	-0.8% Overall >30 min.
+3,438 Transports	-0.7% (31-60 min.) -0.1% (61-120 min.) 0% (>120 min.)
RESPONSE TIME	TOTAL CALL TIME
+1 MIN Overall	+1.2 MIN Overall



Western New York



ငြန်၃ ၂၂၂၂ COMPARING 2019 TO 2022		
TIENT TRANSPORT	OFFLOAD TIME 2021-2022 Data	
+1.8% Overall	+1.4% Overall >30 min.	
+2,322 Transports	+1.2% (31-60 min.) +0.2% (61-120 min.) 0% (>120 min.)	
RESPONSE TIME	TOTAL CALL TIME	
+1.2 MIN Overall	+6.1 MIN Overall	

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