

Data from the Statewide Incident Reporting Network (SIREN) and the Vermont EMS Office were analyzed for COVID-19 topics of interest for the week of May 24, 2020 – May 30, 2020. Topics of interest include:

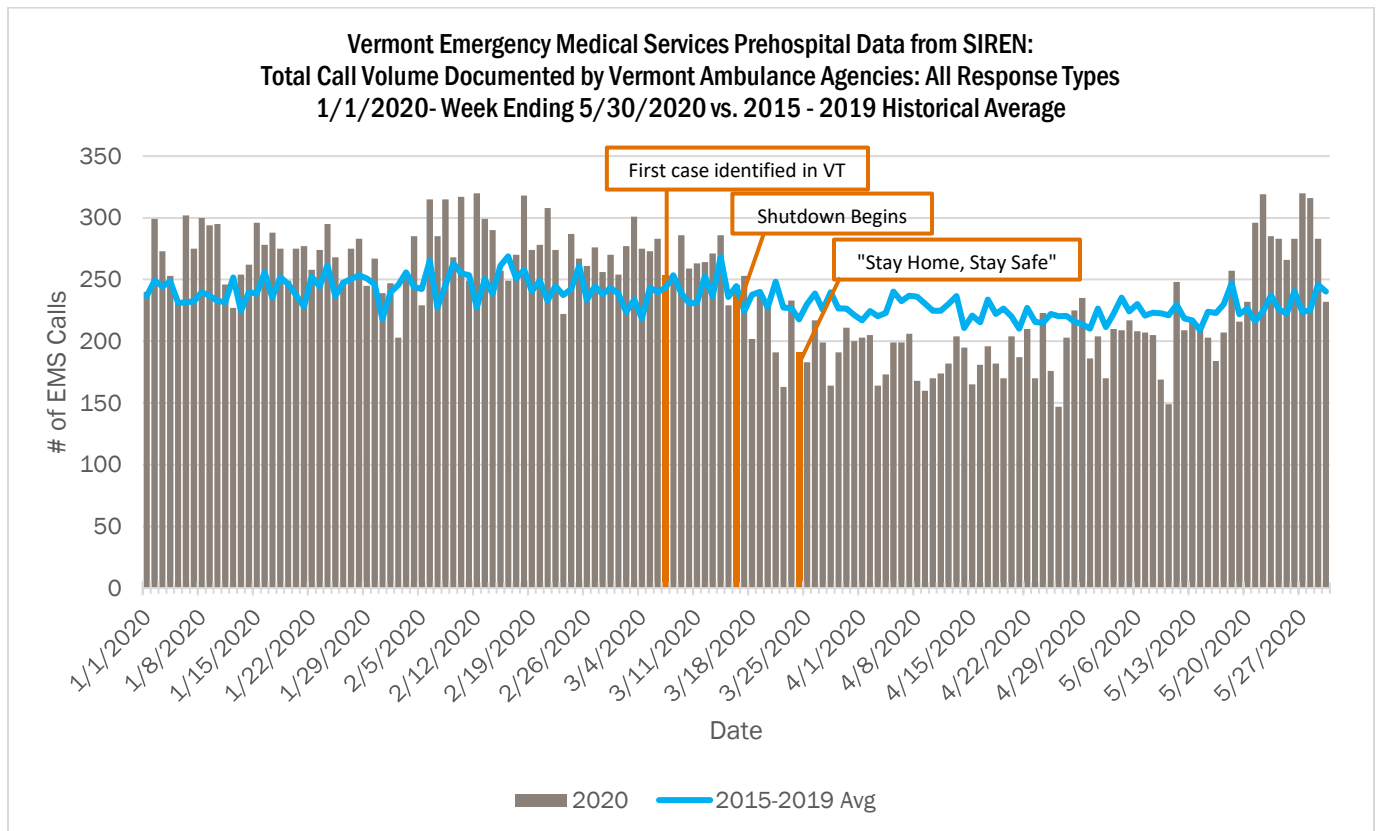
- Assessing the impacts of COVID-19 on the Vermont EMS system, including reduced call volume.
- Measuring the PPE consumption (“burn rate”) in Vermont EMS.
- Evaluating potential EMS COVID-19 calls through supplemental questions.

The data in this summary are preliminary and subject to change.

## EMS Call Volume

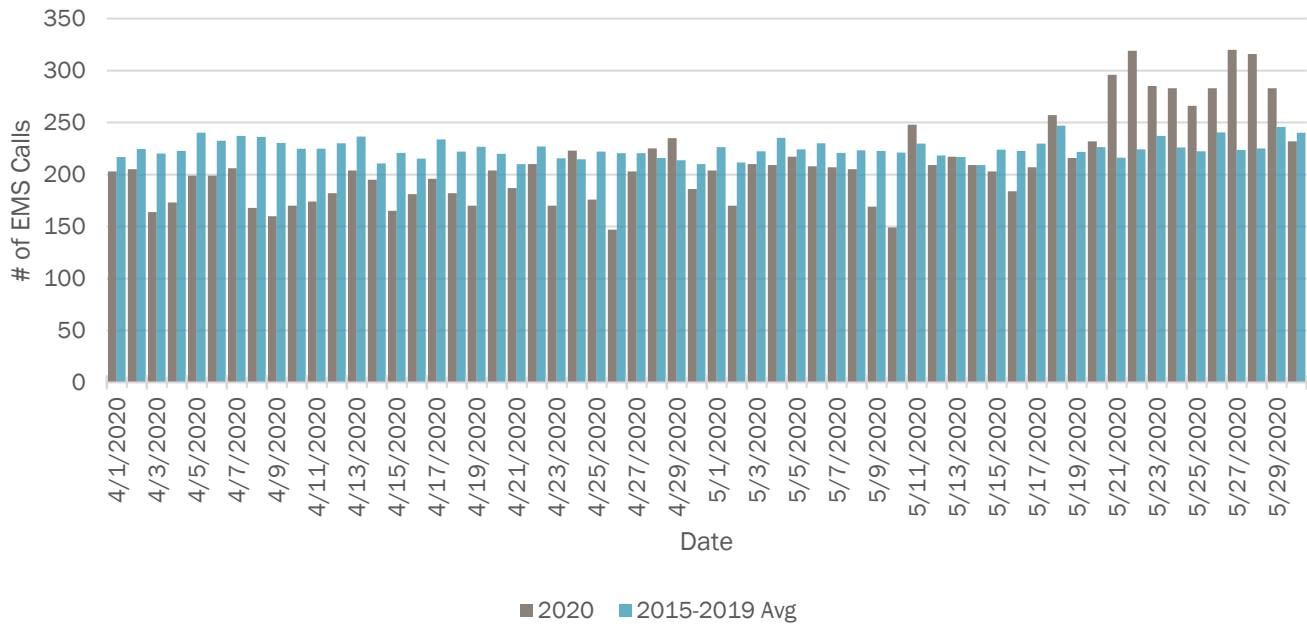
EMS agencies have observed a significant decrease in call volumes for all response types, particularly 911 calls, interfacility and medical transports, mutual aid responses, and intercepts. This week marks the first time since mid-March that the average number of 911 calls was higher than this week in 2019.

The graphs below display call volume data for 2020 compared to the 2015-2019 historical average for Vermont ambulance agencies.

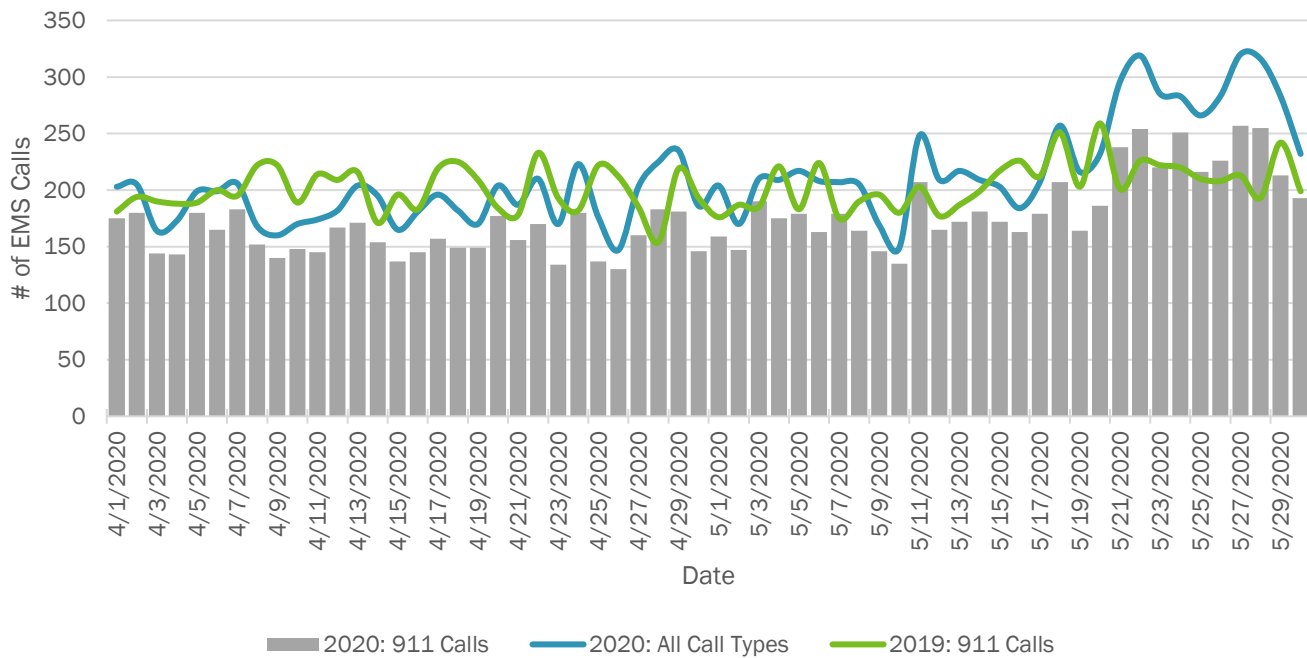


# Vermont Emergency Medical Services Data

**Vermont Emergency Medical Services Prehospital Data from SIREN:  
Total Call Volume Documented by Vermont Ambulance Agencies: All Response Types  
April 1 - May 30, 2020 vs. 2015 - 2019 Historical Average**



**Vermont Emergency Medical Services Prehospital Data from SIREN:  
911 and Total Call Volume Documented by Vermont Ambulance Agencies  
April 1 - May 30, 2020 vs. April 1 - May 30, 2019**



\*First response agency data were excluded from analysis. This is to account for the increase in the number of first response agencies reporting data into SIREN as time progresses compared to the number of agencies that reported data into SIREN historically.

\*\*Numbers may be underreported due to potential lag in reporting.

## Disposable PPE Use by Vermont Ambulance and First Response Agencies

Measuring the PPE consumption rate, also referred to as the “burn rate”, helps the state and EMS agencies plan and optimize the use of PPE for response to COVID-19. The burn rate can help the state better understand the specific resource needs that exist and help the state advocate for PPE resources at the federal level. This information can be used to estimate how long the remaining supply of PPE will last, based on the average consumption rate, and can help make projections for future needs.

	Week	Cumulative
	May 24 - May 30, 2020	April 5 - May 30, 2020
<b>Documented Amount of Disposable PPE</b>	2,639	17,802
Face Mask	619	3,687
Face Shield	175	1,457
Gloves	852	5,246
Gown	120	1,402
N-95	371	2,834
Protective Eyewear	502	3,176

*\*Please note that the PPE numbers listed in the table above only represent what was documented in the PPE grid in SIREN by EMS providers. Therefore, it is possible that the numbers in the table above are an underrepresentation of the actual amount of PPE used.*

## COVID-19 Supplemental Questions

	Week
	May 24 - May 30, 2020
<b>Was the patient screened by EMS for COVID-19 symptoms?</b>	
Yes	1,005
No	133
<b>Has the patient had contact with someone being monitored for or diagnosed with COVID-19 within 14 days of symptom onset?</b>	
Yes	1
No	819
Unknown	258
N/A	63

## Vermont Emergency Medical Services Data

Did the patient have symptoms consistent with COVID-19 (fever, cough, shortness of breath)?	
Yes	111
No	948
N/A	82
If EMS suspects or knows that the patient has COVID-19, was the receiving facility notified?	
Yes	104
No	89
N/A	917

For more information: [SIREN@vermont.gov](mailto:SIREN@vermont.gov)