

# 2016 EMS Use of Naloxone Data Brief, January 1 - June 30

## SIREN Pre-hospital Data Analysis

### About SIREN

The Statewide Incident Reporting Network (SIREN) is Vermont's pre-hospital electronic documentation database hosted by ImageTrend, Inc. According to Vermont State Rule, all Vermont licensed ambulance agencies are mandated to submit electronic patient care reports (ePCRs) within one business day after responding to an incident. There are currently over 360,000 records stored in SIREN, dating as far back as 2009. By 2014, 100% of Vermont based ambulances were reporting NEMSIS Version 2.2 compliant EMS data to the State. First Response agencies are not required to submit incident reports to SIREN, but 14 of these agencies do submit their data to the state.

### Total uses of Naloxone by VT EMS agencies in the first half-year of 2016:

Total patients receiving naloxone: **290**

Total number of naloxone administrations: **398**

\* = Less than 6 cases, or potentially identifiable small numbers

Administrations by Age Group	
Age Group	# Administrations
10 - 19	13
20 - 29	101
30 - 39	93
40 - 49	59
50 - 59	64
60 - 69	33
70 - 79	23
80 - 89	10
89+	*

Administrations by Gender	
Gender	# Administrations
Female	135
Male	262

Route of Administration	
Administration Route	HY1 2016
Intravenous	179
Intranasal	108
Nasal	60
Intraosseous	37
Intramuscular	9
Other/Misc	3
Inhalation via Nebulizer	1
Subcutaneous	1

Patients Receiving Multiple Doses	
# Doses	HY1 2016
1	206
2	69
3	9
4	4
5	1
6	1

Administrations by County	
County	HY1 2016
Addison	9
Bennington	23
Caledonia	17
Chittenden	84
Essex	*
Franklin	53
Grand Isle	*
Lamoille	*
Orange	*
Orleans	19
Rutland	59
Washington	42
Windham	40
Windsor	30
New Hampshire	6
New York	*

EMS agencies in Vermont may carry and use naloxone across all four levels of licensed providers in accordance with the VT Statewide EMS Protocols. Note that indications for use of naloxone, particularly by advanced level providers, may be more expansive than solely for known/suspected acute opioid/opiate overdose reversal.

**Data Limitations:** If a patient received pre-hospital care for involving more than one data-submitting EMS agency, that patient may be counted multiple times (once for each EMS agency encounter).

SIREN data is entered by Vermont licensed EMS providers from across Vermont. Since there are a large number of providers submitting data, it should be recognized that individual, agency, or even regional tendencies and/or subjectivities in data reporting may exist.