

## EMS for Children: WARDS update 12/1/2015

### Overall numbers

- In 2014, 7.5% of EMS runs were for children (0-18)
- More than half of total pediatric runs in WI occur in the SE region (population)
- Examining only Wisconsin incident counties, percentage of pediatric runs ranges from 3.5% to 14%.

Region	Percentage ped runs
Fox valley	7.5
North Central	6.1
Northeast	6.2
Northwest	7.0
South Central	6.7
Southeast	7.5
Southwest	5.7

- The top 5 primary impressions are the same in every region (traumatic injury, seizure, pain, respiratory, other) for peds

### Medication Given

For pediatric runs with **seizure** as the primary impression, top medications given (excluding “Not Applicable/Available”):

Region	Top medications (in order)
Fox valley	Oxygen, Saline, Midazolam, Diazepam, Zofran
North Central	Saline, Oxygen, Lorazepam, Midazolam, Diazepam
Northeast	Midazolam, Saline, Lorazepam, Oxygen, Zofran
Northwest	Saline, Midazolam, Oxygen, Diazepam, Zofran
South Central	Saline, Lorazepam, Midazolam, Oxygen, Zofran
Southeast	Oxygen, Saline, Midazolam, Diazepam, Lorazepam
Southwest	Saline, Lorazepam, Oxygen, Acetaminophen, Dextrose (very small numbers)

## Intubation

In 2014, there were 186 attempted intubations (defined as procedures “Airway-Endotracheal Intubation” and “Airway-Intubation Confirm (other device)” in WARDS) for children ages 0-18.

Top two primary impressions requiring intubation: cardiac arrest (N=58) and traumatic injury (N=43).

<b>Intubation successful?</b>	<b>Count</b>
Yes	115
No	34
“Not Applicable”	20
Left Blank	17

Intubation by region (region missing for N=20):

<b>Region</b>	<b>Successful</b>	<b>Unsuccessful</b>	<b>“Not Applicable”</b>	<b>Left Blank</b>	<b>Total</b>
<b>Fox valley</b>	17	5	0	1	23
<b>North Central</b>	16	2	1	1	20
<b>Northeast</b>	12	3	0	0	15
<b>Northwest</b>	15	3	1	4	23
<b>South Central</b>	13	4	5	7	29
<b>Southeast</b>	28	16	0	2	46
<b>Southwest</b>	4	1	5	0	10