



## Montana Pediatric Equipment on Transporting Ground Vehicles

### 2014 Data Performance Measure Report:

Report Date: 6/30/2014 11:40:53 AM

The data are from the National EMS for Children Performance Measure database stored at the National EMS for Children Data Analysis Resource Center.

**Total Number of Agencies in 2014 Dataset\*:** **182**

**Total Number of Agencies Assessed:** **216**

**2013-14 Response Rate:** **85.6%**

*\* Indian Health Service, Tribal, and Military hospitals were not included in the total count. They are however included, when applicable, in the overall response rate and number of agencies assessed.*

### Pediatric Equipment on Transporting Ground Vehicles:

**Measure:** The percent of transporting ground vehicles (BLS/ALS) in the State/Territory that have the essential pediatric equipment and supplies as outlined in national guidelines.\*

EMS agency personnel were asked a series of questions to assess the availability of pediatric equipment on transporting vehicles. The following is a summary of those questions.

#### Transporting Ground Vehicles by Type in Montana (based on response rate above):

	Num of Vehicles	% of Total
# of Basic Life Support Transporting Vehicles:	<b>147</b>	<b>54.0%</b>
# of Advanced Life Support Transporting Vehicles:	<b>125</b>	<b>46.0%</b>
<b>Grand Total:</b>	<b>272</b>	<b>100.0%</b>

#### PERFORMANCE MEASURE CALCULATION:

The percent of transporting ground vehicles (BLS/ALS) that carry 100% (every piece) of the essential pediatric equipment..

##### Basic Life Support Transporting Ground Vehicles in Montana (35 Items)

Num Vehicles Carry 100% of BLS Items **20**

Num of BLS Vehicles **147**

**% BLS Carry All 13.6%**



##### Advanced Life Support Transporting Ground Vehicles in Montana (67 Items)

Num Vehicles Carry 100% ALS Items **41**

Num ALS Vehicles **125**

**% ALS Carry All 32.8%**



\* "Equipment for Ambulances," a Policy Resource Education Paper, by the American College of Surgeons Committee on Trauma, American College of Emergency Physicians, National Association of EMS Physicians, Pediatric Equipment Guidelines Committee-Emergency Medical Services for Children (EMSC) Partnership for Children Stakeholder Group, and the American Academy of Pediatrics (2009).

## Least Frequently Carried Pieces of Equipment on **Basic Life Support** Transporting Ground Vehicles in Montana

Num	Piece of Equipment	% Vehicles Carry Item	Num Vehicles Missing Item
1	Pulse oximeter with pediatric probes	49.7%	74
2	Lower extremity (femur) traction device - child size	61.2%	57
3	Length/weight-based tape or appropriate reference material for pediatric equipment sizing and drug dosing	66.7%	49
4	Mask for bag-valve mask - neonate size	68.7%	46
5	AED or defibrillator that includes pediatric capability	80.3%	29
6	Nasal canula - child size	81.6%	27
7	Suction catheter in one of the following sizes: 12fr, 14fr, or 16fr	85.0%	22
8	Nasal airway in one of the following sizes: 16fr, 18fr, 20fr, 22fr, or 24fr (internal diameters 3.5mm to 6.0mm)	85.7%	21
9	Extremity immobilization device -small	87.8%	18
10	Suction catheter in one of the following sizes: 6fr, 8fr, or 10fr	87.8%	18

Average % of Pediatric Recommended Equipment Carried on **Basic Life Support Transporting Ground Vehicles:**

**90.5%**

## Least Frequently Carried Pieces of Equipment on **Advanced Life Support** Transporting Ground Vehicles in Montana

Num	Piece of Equipment	% Vehicles Carry Item	Num Vehicles Missing Item
1	Lower extremity (femur) traction device - child size	68.0%	40
2	Magill forceps - pediatric size	76.8%	29
3	Nasal canula - child size	81.6%	23
4	Thermal absorbent blanket with head cover or appropriate heat-reflective material	84.8%	19
5	Mask for bag-valve mask - neonate size	84.8%	19
6	Meconium aspirator adaptor	84.8%	19
7	Laryngoscope blade - Miller size 0	88.0%	15
8	End-tidal CO2 detection capability for pediatric patients either: quantitative capnometry ..	88.8%	14
9	Transcutaneous cardiac pacemaker with pediatric pads/cables	88.8%	14
10	Rigid cervical immobilization device - small	91.2%	11

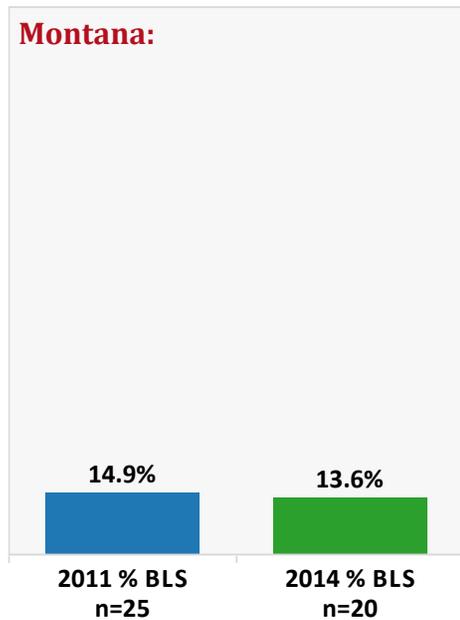
Average % of Pediatric Recommended Equipment Carried on **Advanced Life Support Transporting Ground Vehicles:**

**95.8%**

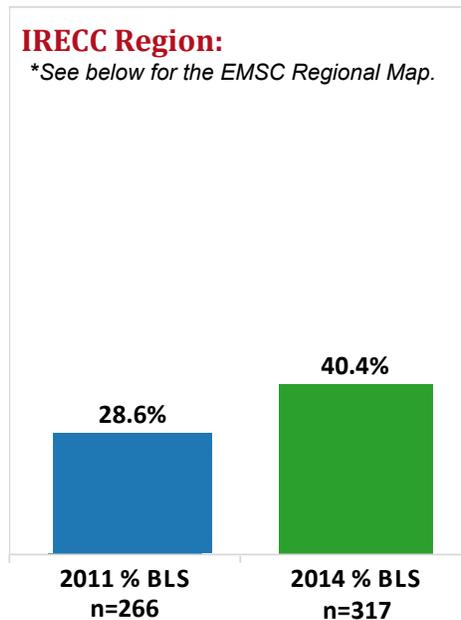
# 2011-14 Comparison Data of Basic Life Support Transporting Ground Vehicles

Note: The same assessment was completed in 2011 and 2014; however, the respondents may differ in each assessment.

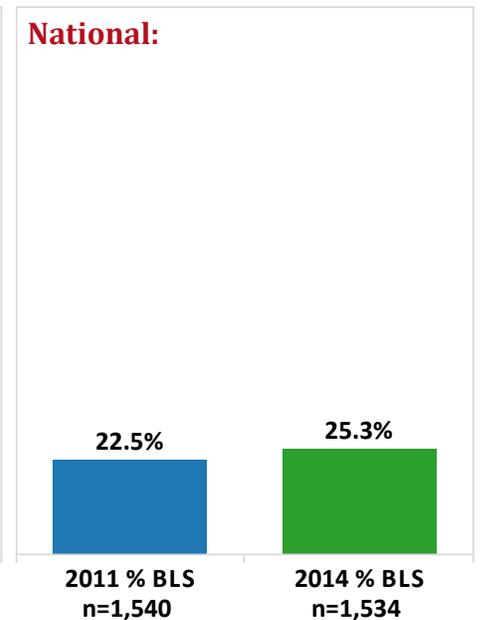
**% of Montana BLS Transporting Ground Vehicles that Carry ALL Essential Pediatric Equipment.**



**% of IRECC Region\* BLS Transporting Ground Vehicles that Carry ALL Essential Pediatric Equipment.**

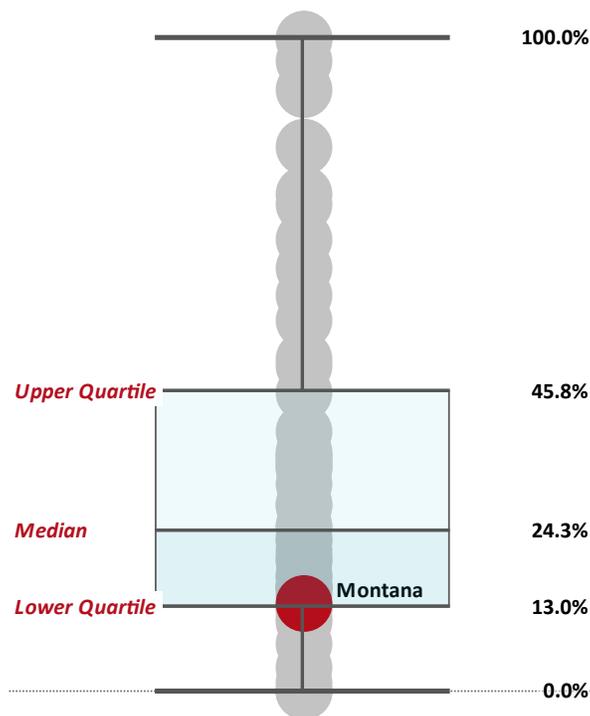


**% of National BLS Transporting Ground Vehicles that Carry ALL Essential Pediatric Equipment.**

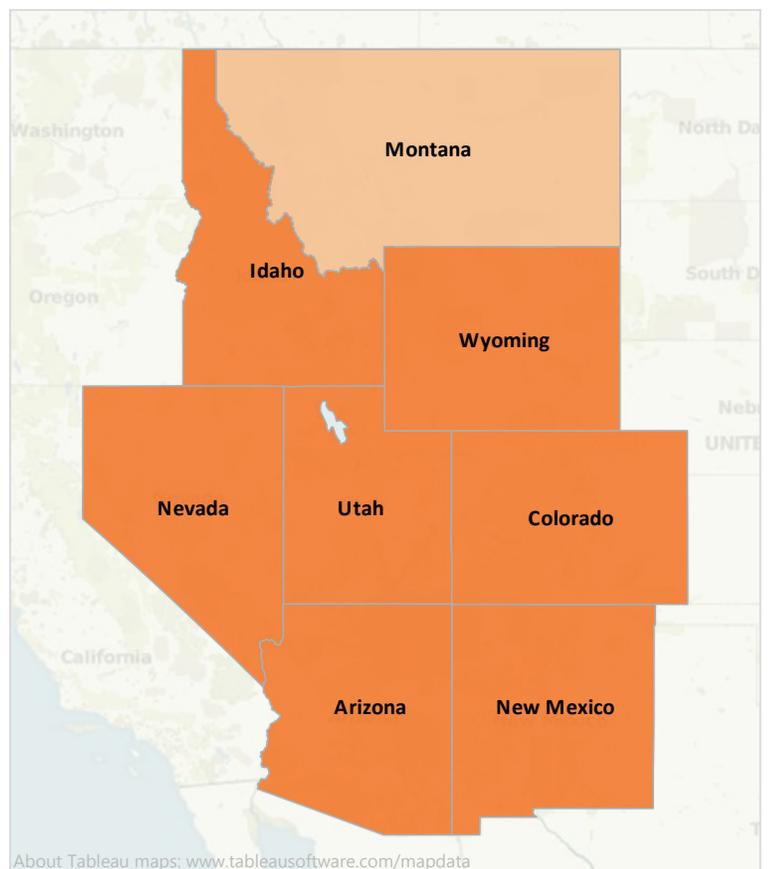


## 2014 National Data Box Plot:

% of BLS Transporting Ground Vehicles by State/Territory that Have All Essential Pediatric Equipment and Supplies (54 States/Territories Assessed)



## \*EMSC IRECC Region Map:



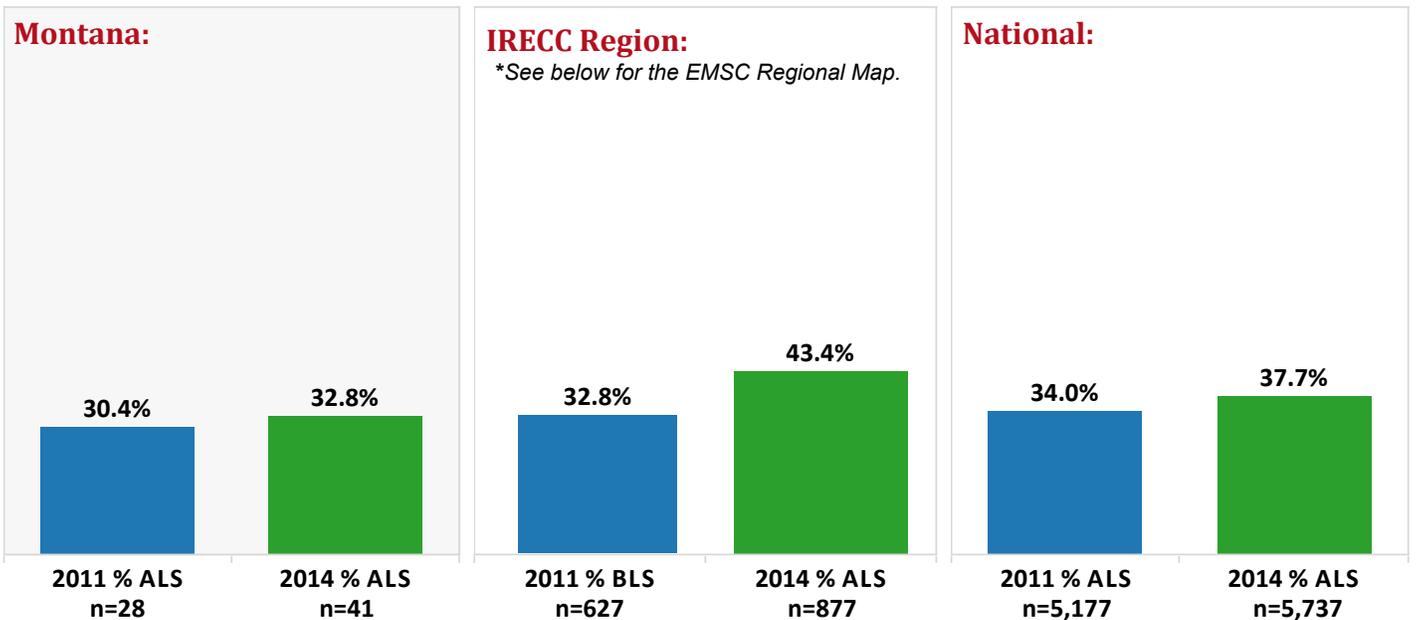
# 2011-14 Comparison Data of Advanced Life Support Transporting Vehicles

Note: The same assessment was completed in 2011 and 2014; however, the respondents may differ in each assessment.

**% of Montana ALS Transporting Ground Vehicles that Carry ALL Essential Pediatric Equipment.**

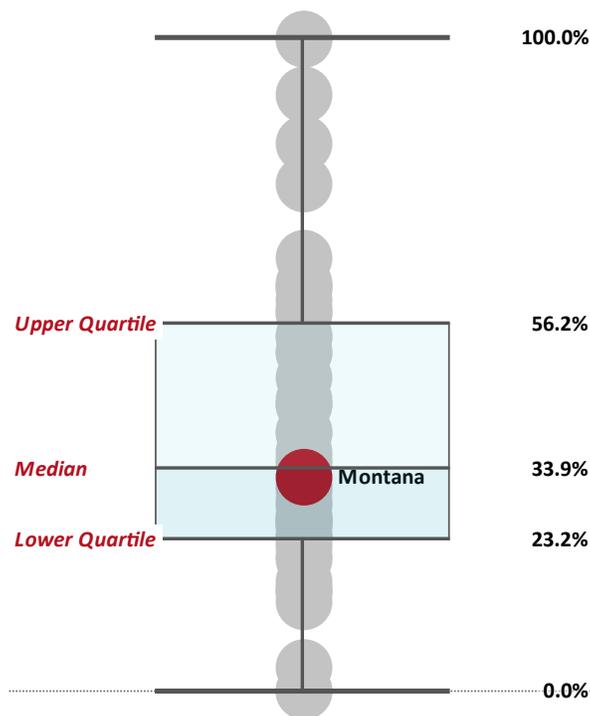
**% of IRECC Region\* ALS Transporting Ground Vehicles that Carry ALL Essential Pediatric Equipment.**

**% of National ALS Transporting Ground Vehicles that Carry ALL Essential Pediatric Equipment.**

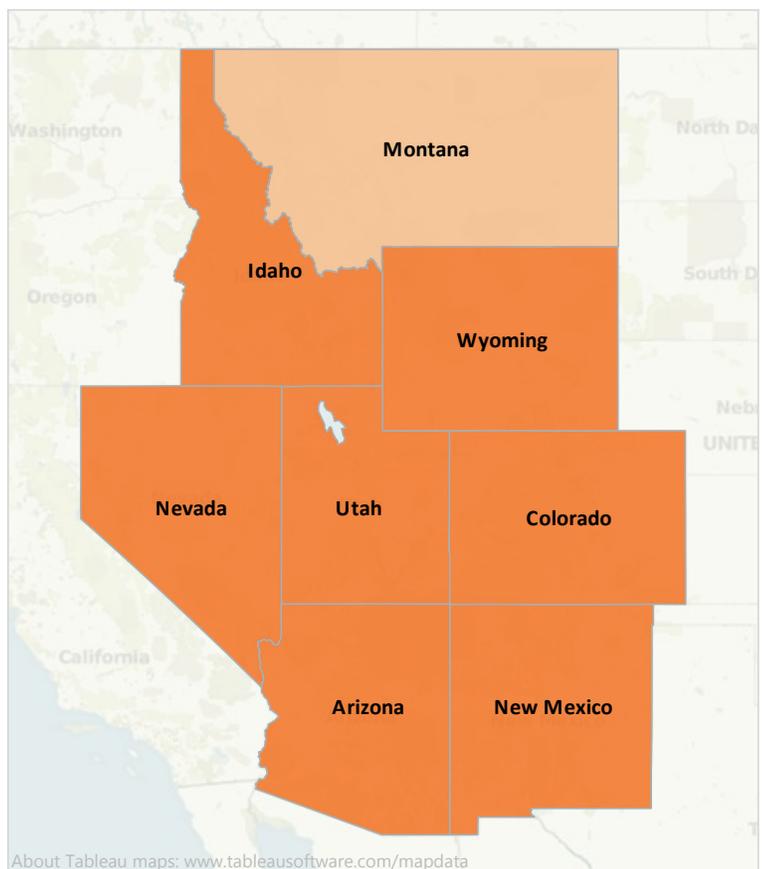


## 2014 National Data Box Plot:

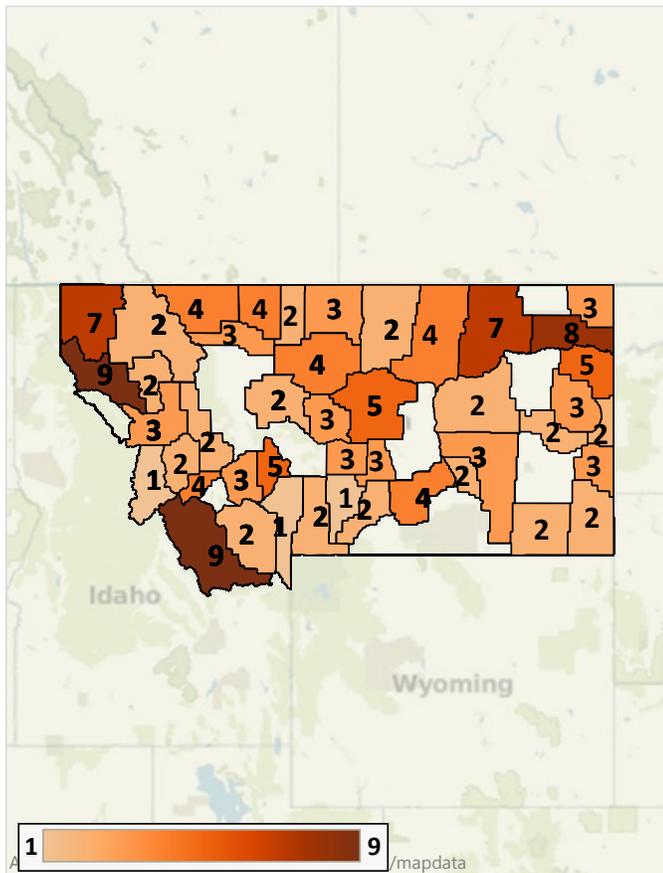
% of ALS Transporting Ground Vehicles by State/Territory that Have All Essential Pediatric Equipment and Supplies (52 States/Territories Assessed)



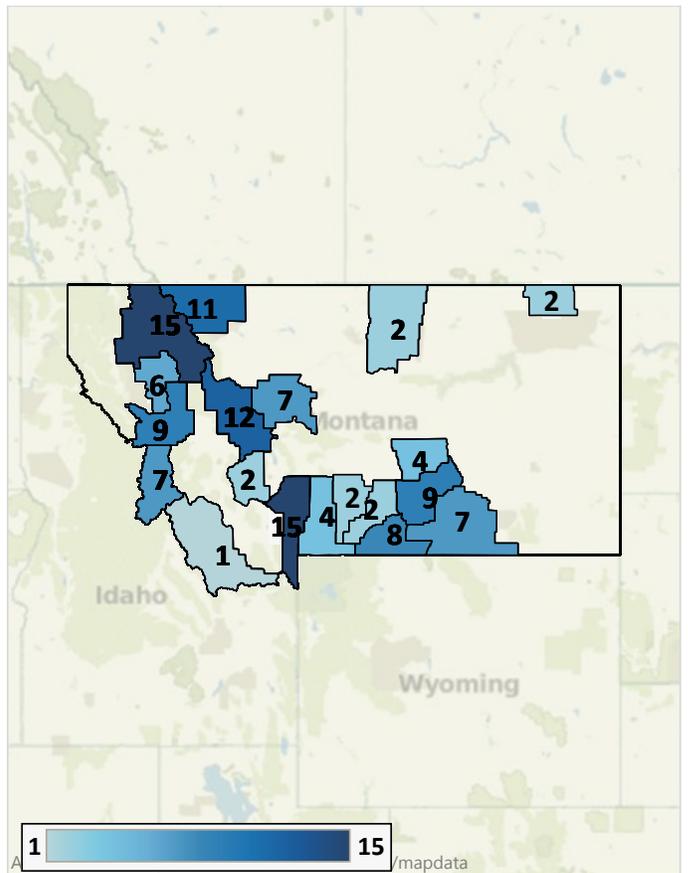
## \*EMSC IRECC Region Map:



**2014 Montana Number of BLS Transporting Ground Vehicles per County (as reported on assessment).**



**2014 Montana Number of ALS Transporting Ground Vehicles per County (as reported on assessment).**



**2014 Montana BLS/ALS Transporting Ground Vehicles by Urbanicity - Using Urban Influence Codes and NEMSIS Definitions\***

<i>Urban</i>	ALS Vehicles	 (n=33)
	BLS Vehicles	 (n=12)
<i>Rural</i>	ALS Vehicles	 (n=68)
	BLS Vehicles	 (n=37)
<i>Remote</i>	ALS Vehicles	 (n=24)
	BLS Vehicles	 (n=98)

\* <http://www.nemsis.org/reportingTools/documents/MeasuringUrbanicity.ppt>

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