

GAMUT Update

GAMUT Database

Sunday, Sept 7, 2014

Participation

GAMUT Overview

GAMUT Database

Advanced Airway Management

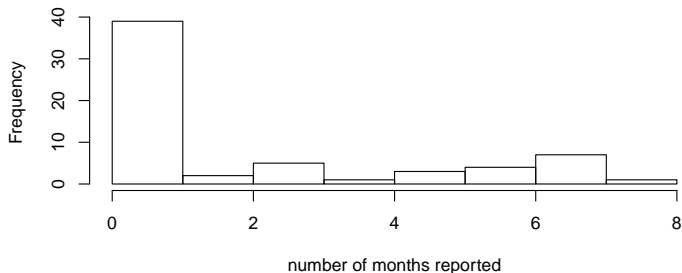
Intubation

General Metrics

Focused Populations

Rare Events

62 Total programs enrolled



Patients

14347 Total Patients

- ▶ 3780 Neonatal
- ▶ 8151 Pediatric
- ▶ 2409 Adult

Data as of : Sun Sep 07 11:55:04 2014

GAMUT Update

GAMUT Database

Participation

Advanced Airway
Management

Intubation

General Metrics

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Populations

Rare Events

Advanced Airway Management

Mechanical Ventilation

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GAMUT Database

Participation

Advanced Airway
Management

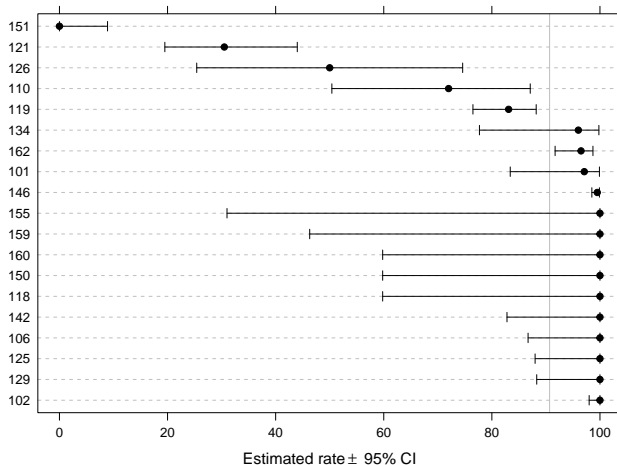
Intubation

General Metrics

Focused
Populations

Rare Events

**Percent of patient transport contacts with
an advanced airway supported by a mechanical ventilator**
Overall: 90.7 % (1392/1535)



Waveform Capnography

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GAMUT Database

Participation

Advanced Airway
Management

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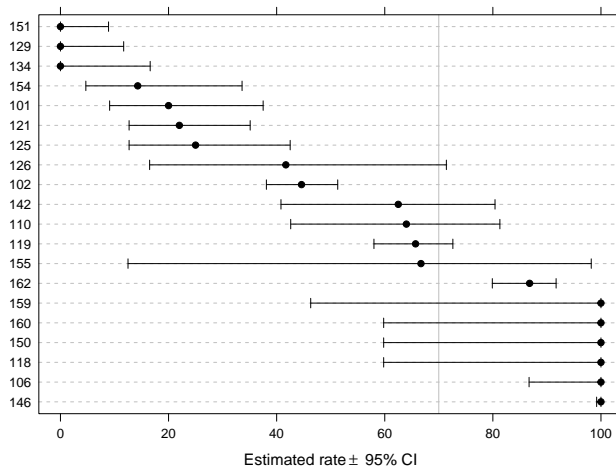
General Metrics

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Populations

Rare Events

**Percent of patient transport contacts with advanced airways
in whom continuous waveform capnography was used.**

Overall: 70 % (1094/1563)



Confirmed tracheal tube placement

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GAMUT Database

Participation

Advanced Airway
Management

Intubation

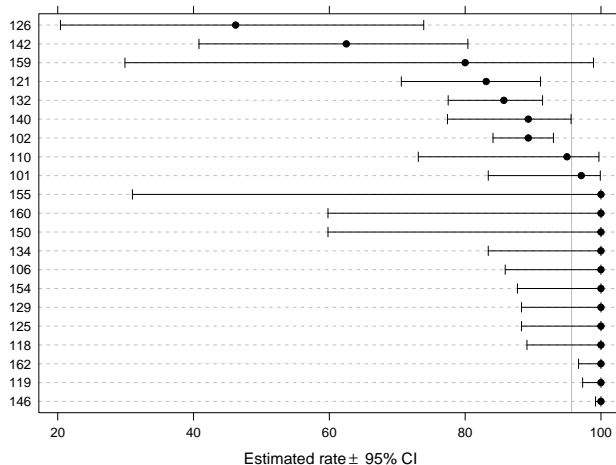
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Populations

Rare Events

**Percent of intubated patient transport contacts
with documentation of confirmed tracheal tube placement.**

Overall: 95.7 % (1614/1687)



Intubation

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GAMUT Database

Participation

Advanced Airway
Management

Intubation

General Metrics

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Populations

Rare Events

Neonatal - First Attempt Success

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GAMUT Database

Participation

Advanced Airway
Management

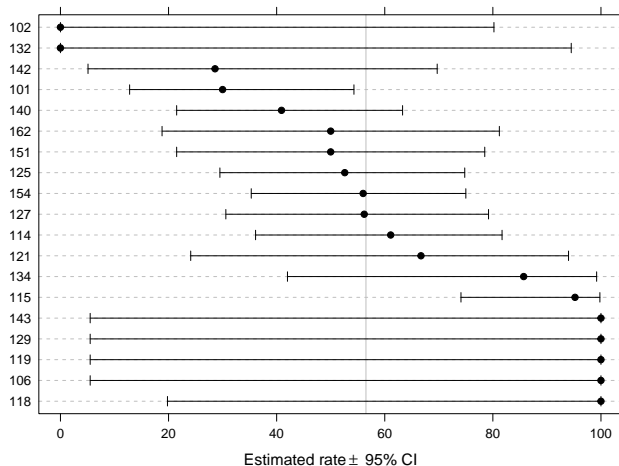
Intubation

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Populations

Rare Events

**Neonatal – Percent of patient transport contacts successfully intubated
on the 1st attempt by the transport team**
Overall: 56.5 % (104/184)



Neonatal - DASH-1A

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GAMUT Database

Participation

Advanced Airway
Management

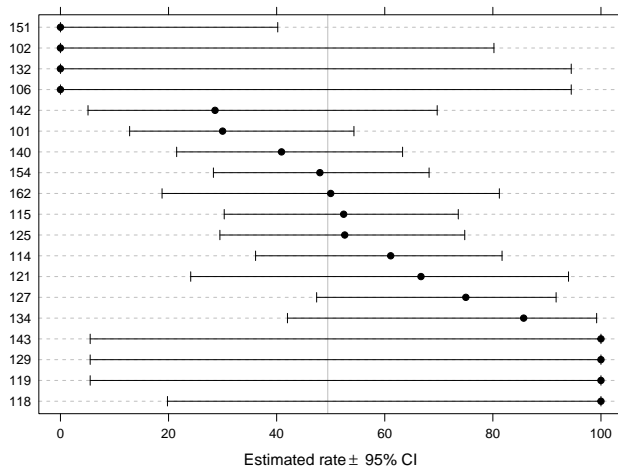
Intubation

General Metrics

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Populations

Rare Events

**Neonatal – Percent of patients with definitive airway during the 1st attempt
by the transport team without suffering hypoxia or hypotension**
Overall: 49.5 % (91/184)



Pediatric - First Attempt Success

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GAMUT Database

Participation

Advanced Airway
Management

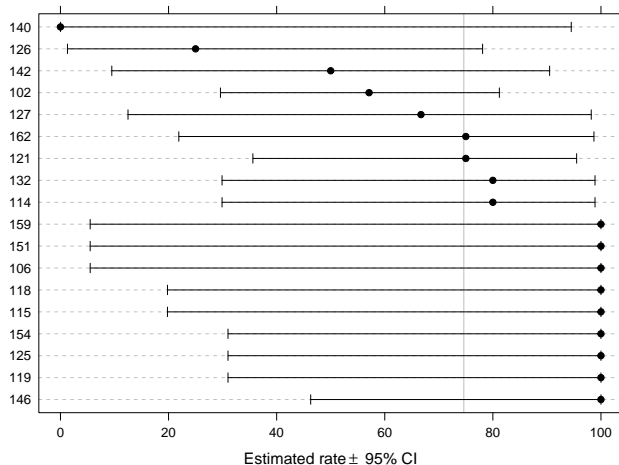
Intubation

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Populations

Rare Events

**Pediatric – Percent of patient transport contacts successfully intubated
on the 1st attempt by the transport team**
Overall: 74.6 % (50/67)



Pediatric - DASH-1A

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GAMUT Database

Participation

Advanced Airway
Management

Intubation

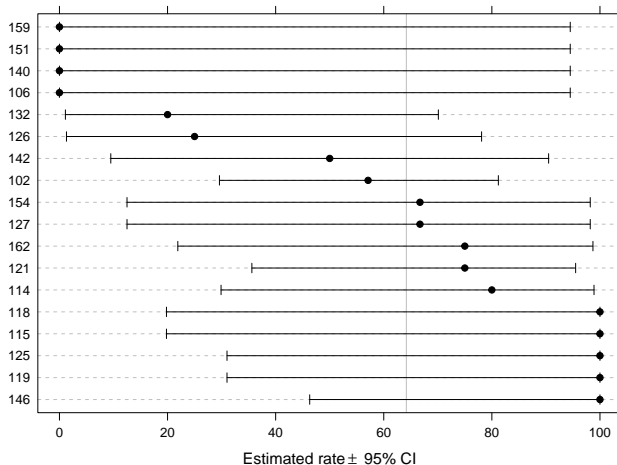
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Populations

Rare Events

**Pediatric – Percent of patients with definitive airway during the 1st attempt
by the transport team without suffering hypoxia or hypotension**

Overall: 64.2 % (43/67)



Adult - First Attempt Success

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GAMUT Database

Participation

Advanced Airway
Management

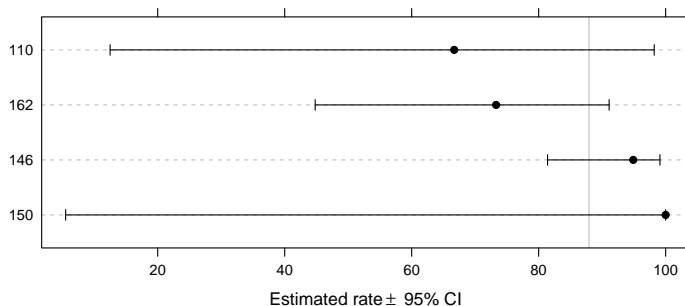
Intubation

General Metrics

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Populations

Rare Events

**Adult – Percent of patient transport contacts successfully intubated
on the 1st attempt by the transport team**
Overall: 87.9 % (51/58)



Adult DASH-1A

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GAMUT Database

Participation

Advanced Airway
Management

Intubation

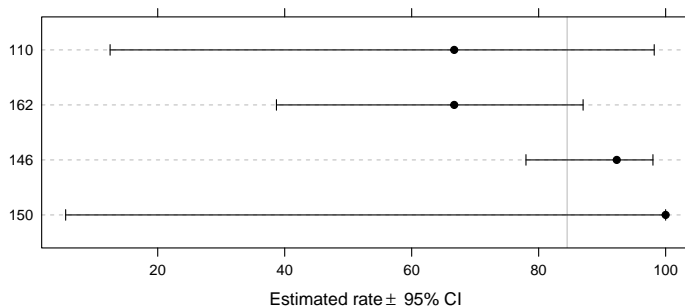
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Populations

Rare Events

**Adult – Percent of patients with definitive airway during the 1st attempt
by the transport team without suffering hypoxia or hypotension**

Overall: 84.5 % (49/58)



RSI protocol compliance

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Management

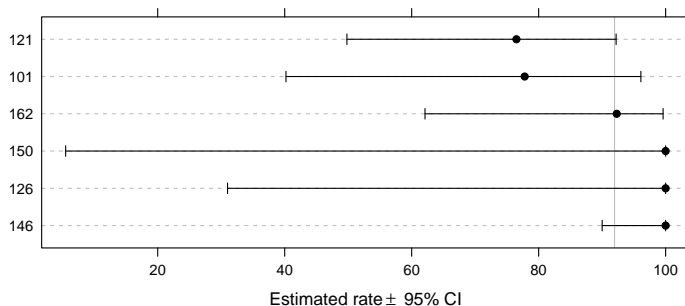
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Populations

Rare Events

**Percent of patient transport contacts undergoing RSI
where all indicated elements of the program's RSI protocol were completed.**
Overall: 92 % (80/87)



General Metrics

Reliable pain assessments

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GAMUT Database

Participation

Advanced Airway
Management

Intubation

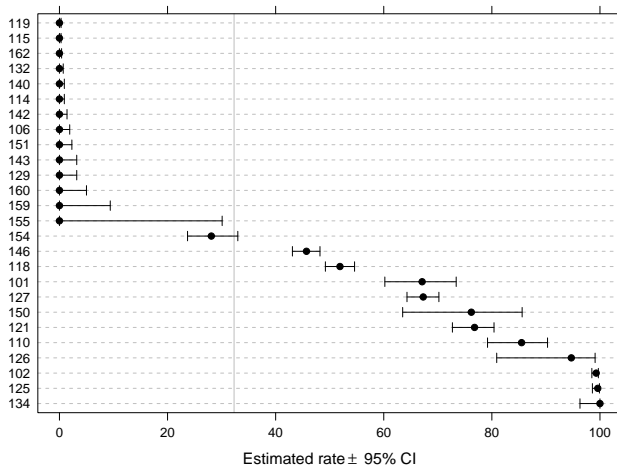
General Metrics

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Populations

Rare Events

**Percent of patient transport contacts with a
documented pain assessment.**

Overall: 32.3 % (4635/14347)



Incidence of hypoxia during transport

NUMERATOR:

Number of patient transport contacts during which the documented pulse oximetry reading drops below 90%.

Multiple incidents with one patient are considered as one incident. If the pulse oximetry reading is chronically low or is below 90% when contact is made, the patient is not included except for those patients where the saturation has been corrected to greater than 90% and falls again.

DENOMINATOR:

Number of patient transport contacts during the calendar month (excluding those with chronic oxygen saturations lower than 90% or oxygen saturations lower than 90% that persist throughout the entire transport).

Incidence of hypoxia during transport

group	num	den
101	11	205
102	2	894
106	0	0
110	9	168
114	0	0
115	0	0
118	0	0

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GAMUT Database

Participation

Advanced Airway
Management

Intubation

General Metrics

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Populations

Rare Events

Incidence of hypoxia during transport

group	num	den
119	2	0
121	0	0
125	0	0
126	4	0
127	0	0
129	0	0
132	0	0

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GAMUT Database

Participation

Advanced Airway
Management

Intubation

General Metrics

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Populations

Rare Events

Incidence of hypoxia during transport

group	num	den
134	0	127
140	0	0
142	0	0
143	0	0
146	3	4
150	1	63

GAMUT Update

GAMUT Database

Participation

Advanced Airway
Management

Intubation

General Metrics

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Populations

Rare Events

HEMS Over-triage

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GAMUT Database

Participation

Advanced Airway
Management

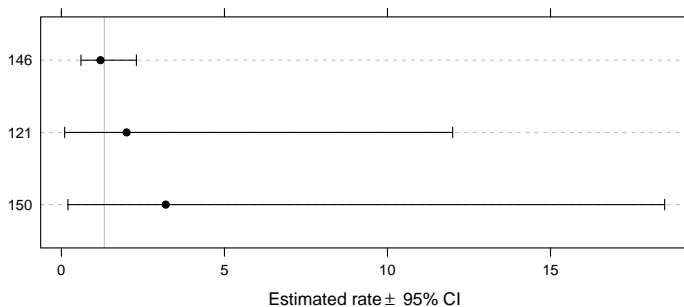
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Populations

Rare Events

**Percent of the HEMS patient transport contacts
discharged without hospital admission**
Overall: 1.3 % (12/912)



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GAMUT Database

Participation

Advanced Airway
Management

Intubation

General Metrics

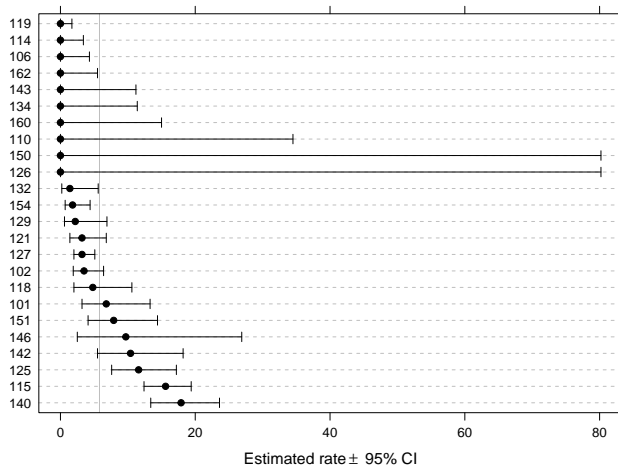
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Rare Events

Focused Populations

Neonatal Hypothermia on Arrival

Percent of neonates found
hypothermic upon admission
Overall: 5.8 % (219/3780)



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GAMUT Database

Participation

Advanced Airway
Management

Intubation

General Metrics

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Populations

Rare Events

STEMI Bedside

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GAMUT Database

Participation

Advanced Airway
Management

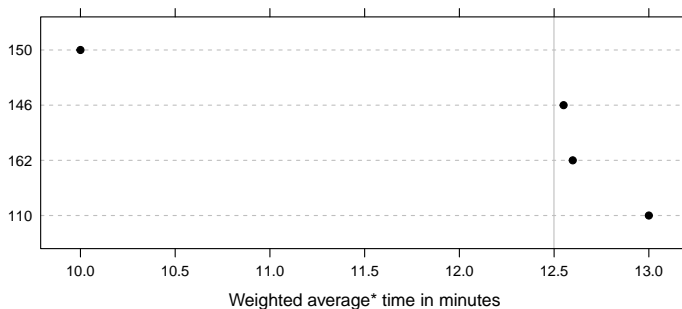
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Populations

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**Average bedside time for
STEMI activation patients
Overall: 12 min.**



STEMI Scene

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Participation

Advanced Airway
Management

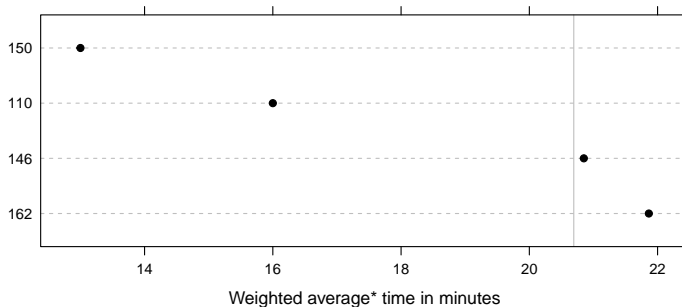
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Populations

Rare Events

**Average scene time for
STEMI activation patients
Overall: 21 min.**



ECG interpretation for STEMI patients

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Participation

Advanced Airway
Management

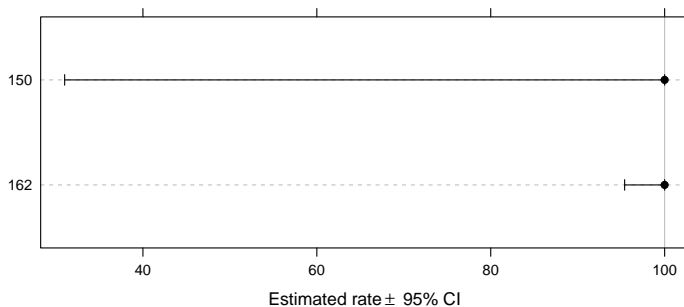
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Populations

Rare Events

**Percent of transport patient contacts with accurately
interpreted 12-lead ECG evaluations**
Overall: 100 % (103/103)



Blood glucose check for altered mental status

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GAMUT Database

Participation

Advanced Airway
Management

Intubation

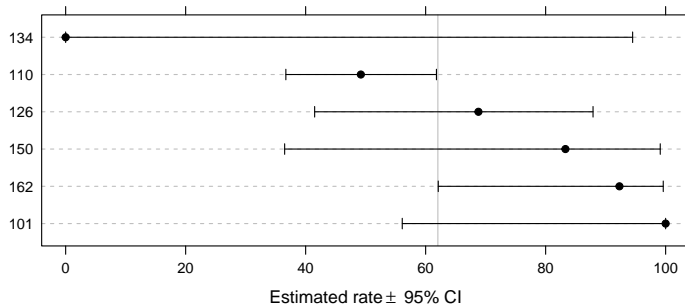
General Metrics

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Populations

Rare Events

**Percent of patient transport contacts with altered mental status
or focal neurologic deficit with a documented blood glucose check.**

Overall: 62 % (67/108)



Management of hypertension in hemorrhagic stroke

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GAMUT Database

Participation

Advanced Airway
Management

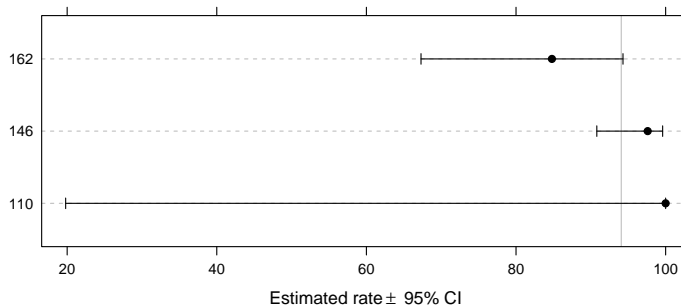
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Populations

Rare Events

**Percent of transport patient contacts with
hemorrhagic stroke and appropriate blood pressure management**
Overall: 94.1 % (111/118)



Appropriate management of hemorrhagic shock

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GAMUT Database

Participation

Advanced Airway
Management

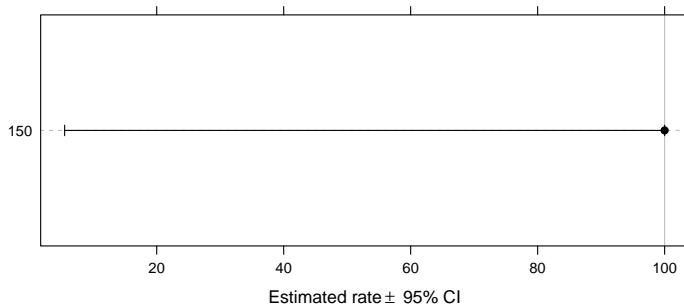
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General Metrics

Focused
Populations

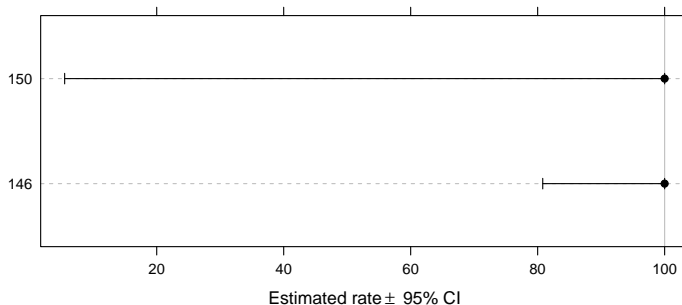
Rare Events

**Percent of patient transport contacts with
hemorrhagic shock appropriately managed**
Overall: 100 % (1/1)



Appropriate management of blood pressure for aortic emergencies

Percent of patient transport contacts with known or suspected aortic dissection receiving indicated blood pressure and heart rate therapies
Overall: 100 % (22/22)



GAMUT Update

GAMUT Database

Participation

Advanced Airway
Management

Intubation

General Metrics

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Populations

Rare Events

Rare Events

Medical equipment failure

GAMUT Update

GAMUT Database

Participation

Advanced Airway
Management

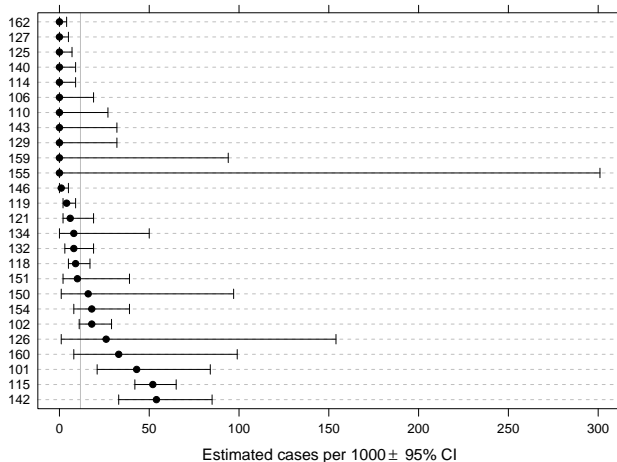
Intubation

General Metrics

Focused
Populations

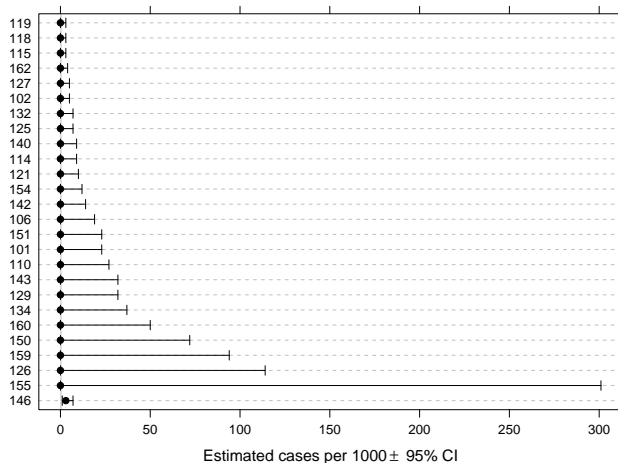
Rare Events

**Medical equipment failures
per 1000 patient transport contacts.
Overall: 11.7 per 1000 (168/14347)**



Adverse drug event during transport

**Adverse drug events
per 1000 patient transport contacts**
Overall: 0.3 per 1000 (4/14347)



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GAMUT Database

Participation

Advanced Airway
Management

Intubation

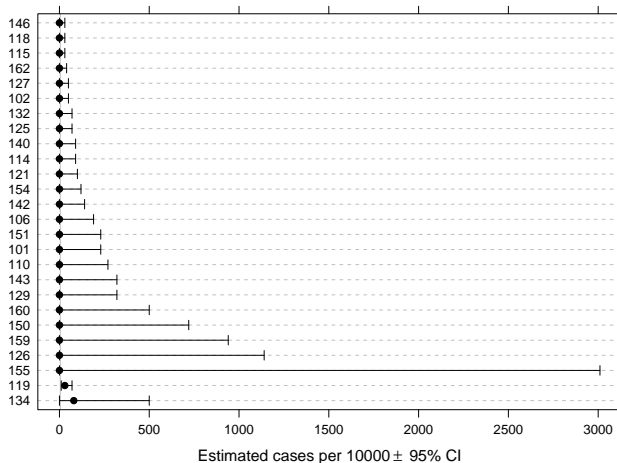
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Rare Events

Patient near-miss events

**(Rolling 12 month) transport-related patient mishap rate
per 10,000 patient transport contacts**
Overall: 4.9 per 10000 (7/14347)



GAMUT Update

GAMUT Database

Participation

Advanced Airway
Management

Intubation

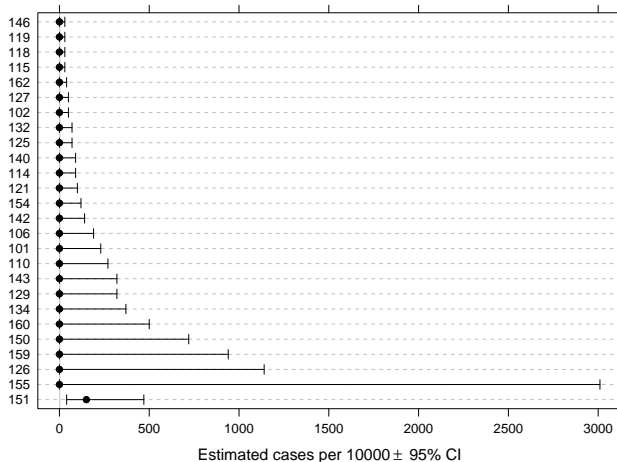
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Populations

Rare Events

Rate of Serious Reportable Event

(Rolling 12 month) SRE rate
per 10,000 patient transport contacts
Overall: 2.1 per 10000 (3/14347)



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GAMUT Database

Participation

Advanced Airway
Management

Intubation

General Metrics

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Populations

Rare Events

Unplanned device dislodgements

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GAMUT Database

Participation

Advanced Airway
Management

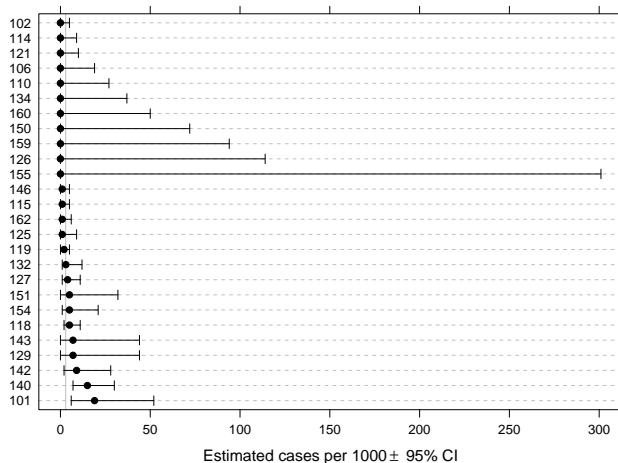
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General Metrics

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Populations

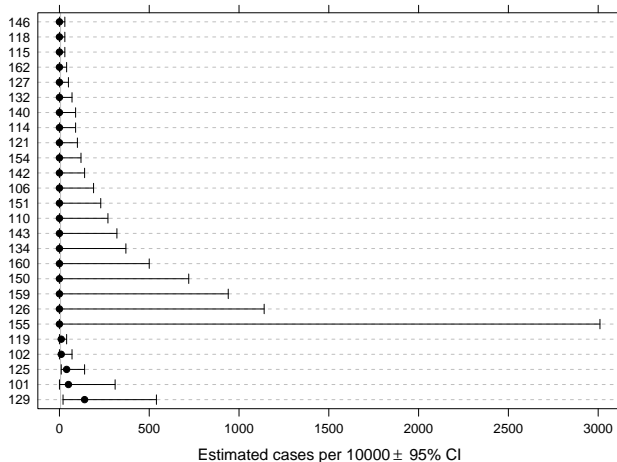
Rare Events

**Unplanned dislodgements of therapeutic devices
per 1000 patient transport contacts**
Overall: 2.9 per 1000 (42/14347)



Medication errors on transport

**(Rolling 12 month) medication error rate
per 10,000 patient transport contacts.
Overall: 6.3 per 10000 (9/14347)**



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GAMUT Database

Participation

Advanced Airway
Management

Intubation

General Metrics

Focused
Populations

Rare Events