GAMUT Update

GAMUT Database

Participation

Advanced Airway
Management

Intubation

General Metrics

Focused
Populations

Rare Events

GAMUT Update

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Sunday, Sept 7, 2014

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GAMUT Overview

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62 total programs enrolled

- ▶ 26 reporting data
- ▶ 36 not reporting data
- ▶ 7 reporting all of 2014 YTD

number of months reported
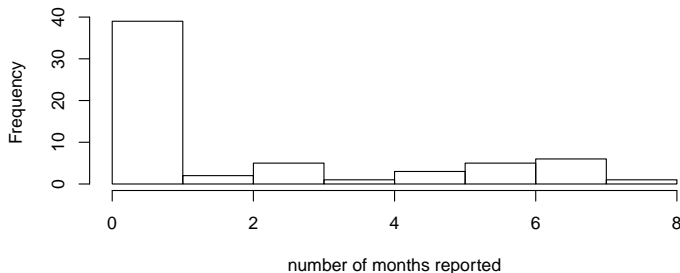
Patients

14297 Total Patients

- ► 3738 Neonatal
- ► 8143 Pediatric
- ► 2409 Adult

Data as of : Sun Sep 07 17:05:22 2014

Advanced Airway Management

Mechanical Ventilation

GAMUT Update

GAMUT Database
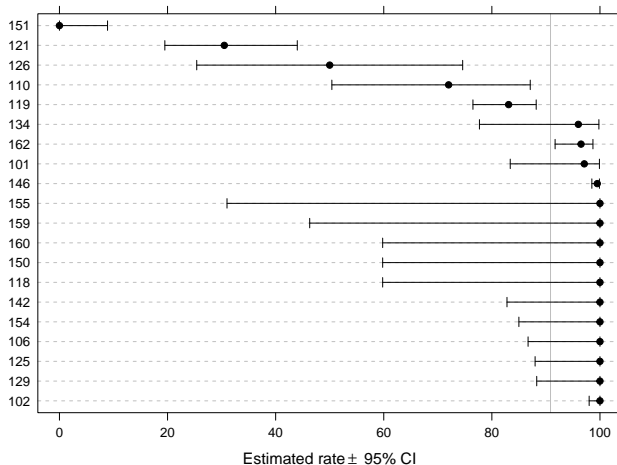
Participation

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**Percent of patient transport contacts with
an advanced airway supported by a mechanical ventilator
Overall: 90.9 % (1420/1563)**

Estimated rate ± 95% CI

Waveform Capnography

GAMUT Update

GAMUT Database

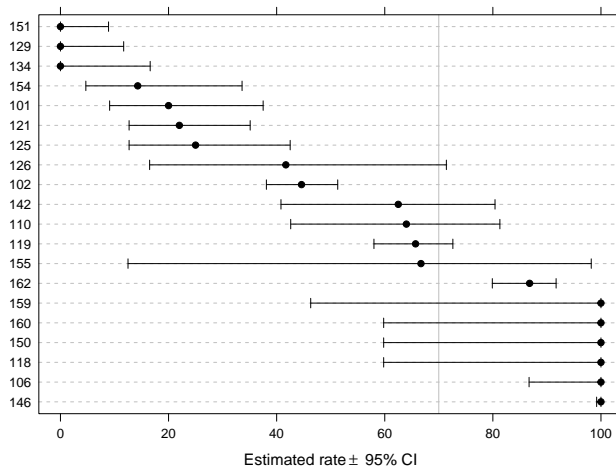Participation

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Percent of patient transport contacts with advanced airways
in whom continuous waveform capnography was used.
Overall: 70 % (1094/1563)

Estimated rate ± 95% CI

Confirmed tracheal tube placement

GAMUT Update

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Participation
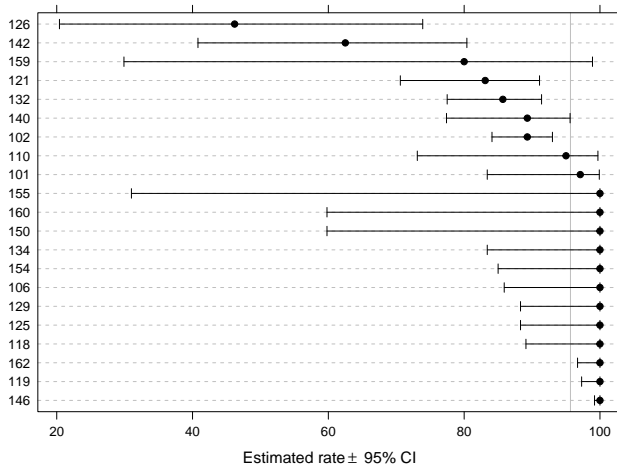
Advanced Airway
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**Percent of intubated patient transport contacts
with documentation of confirmed tracheal tube placement.
Overall: 95.7 % (1607/1680)**

Estimated rate ± 95% CI

Intubation

Neonatal - First Attempt Success

GAMUT Update

GAMUT Database
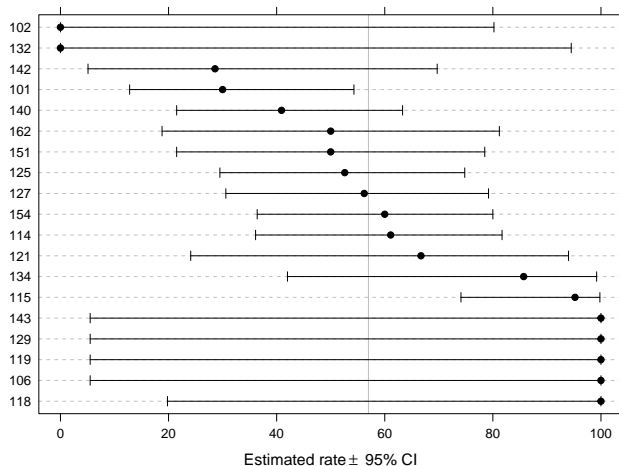
Participation

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**Neonatal – Percent of patient transport contacts successfully intubated
on the 1st attempt by the transport team
Overall: 57 % (102/179)**

Estimated rate ± 95% CI

Neonatal - DASH-1A

GAMUT Update

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Participation

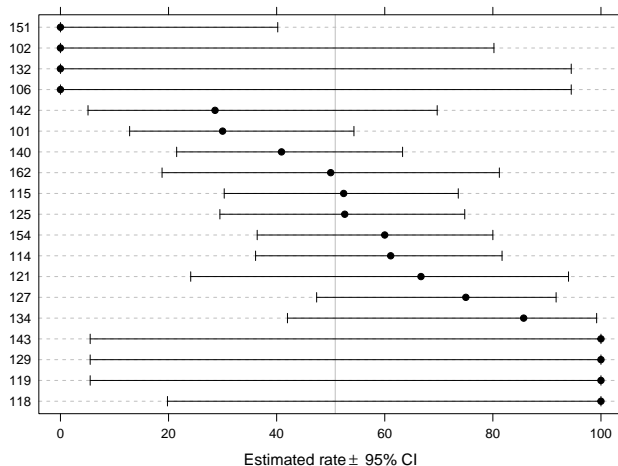Advanced Airway
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Rare Events

**Neonatal – Percent of patients with definitive airway during the 1st attempt
by the transport team without suffering hypoxia or hypotension
Overall: 50.8 % (91/179)**

Estimated rate ± 95% CI

Pediatric - First Attempt Success

GAMUT Update

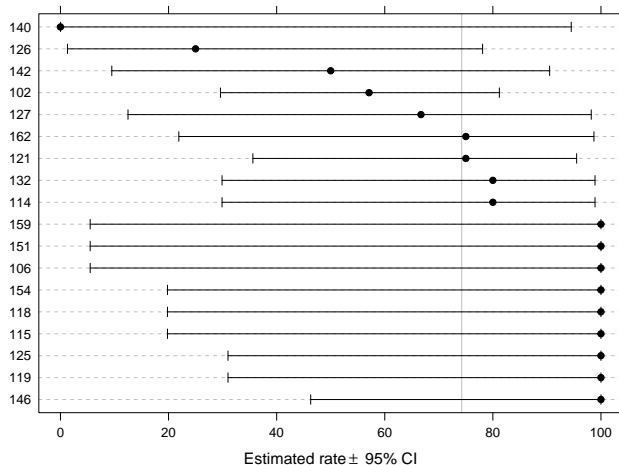GAMUT Database

Participation

Advanced Airway
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Rare Events

**Pediatric – Percent of patient transport contacts successfully intubated
on the 1st attempt by the transport team
Overall: 74.2 % (49/66)**

Estimated rate ± 95% CI

Pediatric - DASH-1A

GAMUT Update

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Participation
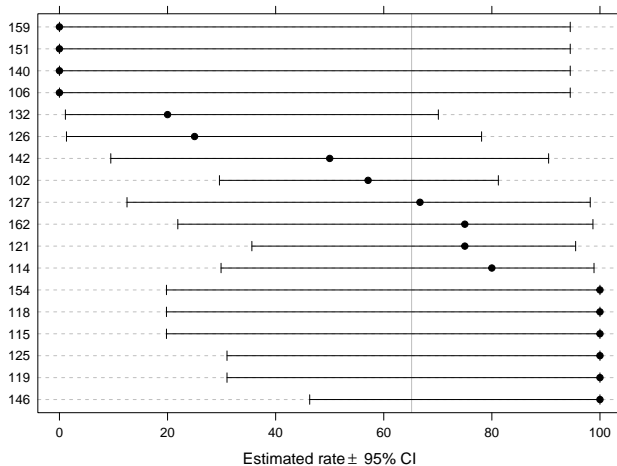
Advanced Airway
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**Pediatric – Percent of patients with definitive airway during the 1st attempt
by the transport team without suffering hypoxia or hypotension
Overall: 65.2 % (43/66)**

Estimated rate ± 95% CI

Adult - First Attempt Success

GAMUT Update

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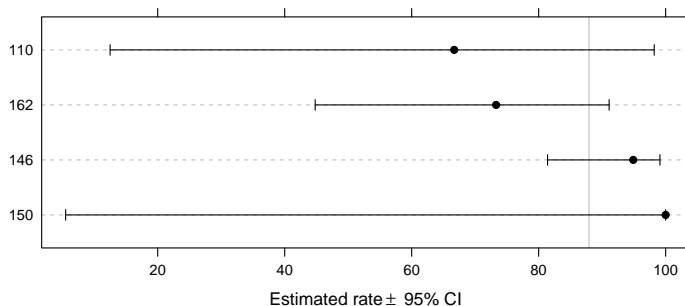
Participation

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

Adult DASH-1A

GAMUT Update

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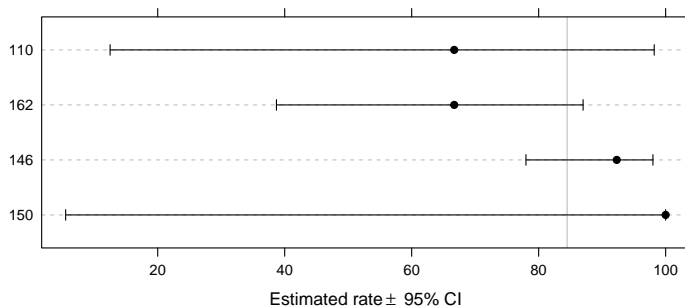Advanced Airway Management

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**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)**

Estimated rate $\pm$ 95% CI

RSI protocol compliance

GAMUT Update

GAMUT Database

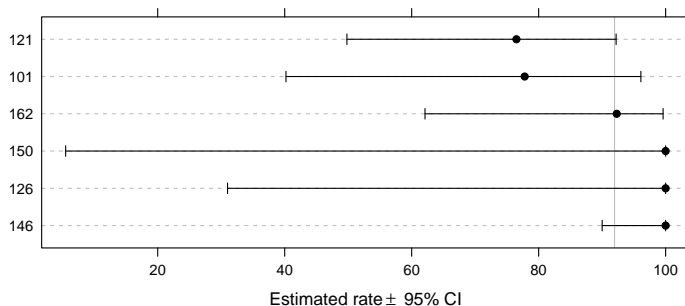Participation

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

Estimated rate ± 95% CI

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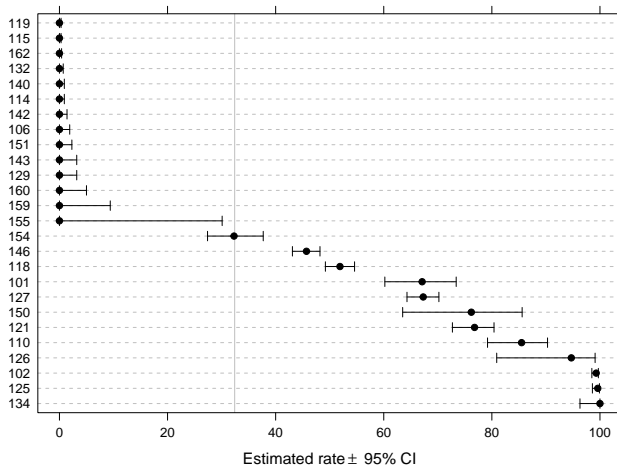# General Metrics

Reliable pain assessments

**Percent of patient transport contacts with a documented pain assessment.
Overall: 32.4 % (4635/14297)**

Estimated rate ± 95% CI

Incidence of hypoxia during transport

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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

Incidence of hypoxia during transport

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

Incidence of hypoxia during transport

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

HEMS Over-triage

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**Percent of the HEMS patient transport contacts
discharged without hospital admission
Overall: 1.3 % (12/912)**
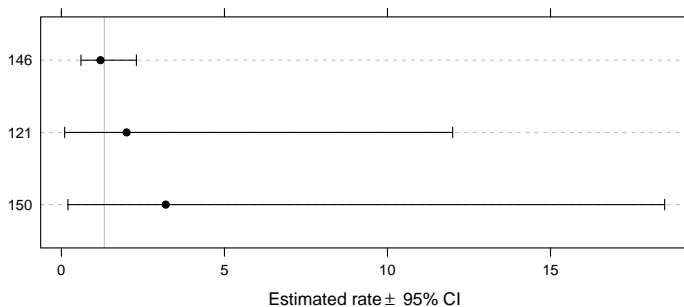
Estimated rate ± 95% CI

Focused Populations

Neonatal Hypothermia on Arrival

GAMUT Update

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**Percent of neonates found
hypothermic upon admission
Overall: 5.9 % (219/3738)**
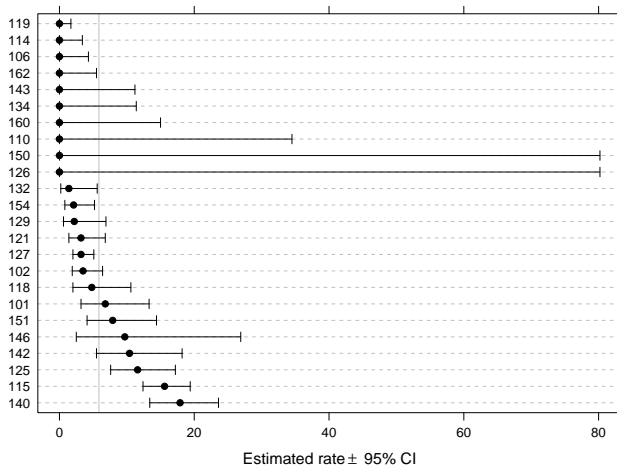
Estimated rate ± 95% CI

STEMI Bedside

GAMUT Update
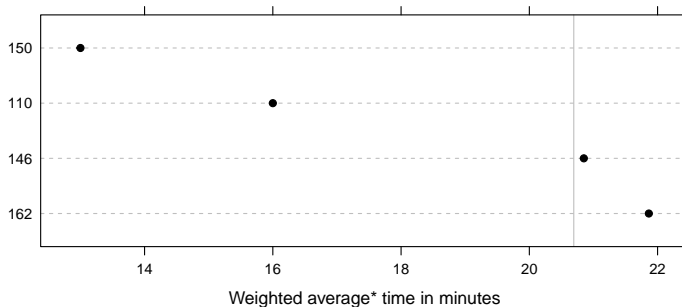
GAMUT Database

Participation

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Rare Events

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

Weighted average* time in minutes
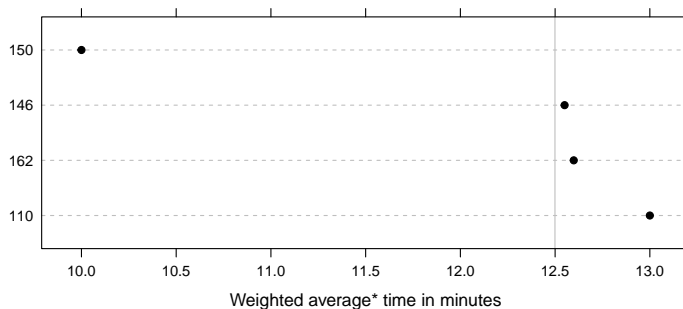
STEMI Scene

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

ECG interpretation for STEMI patients

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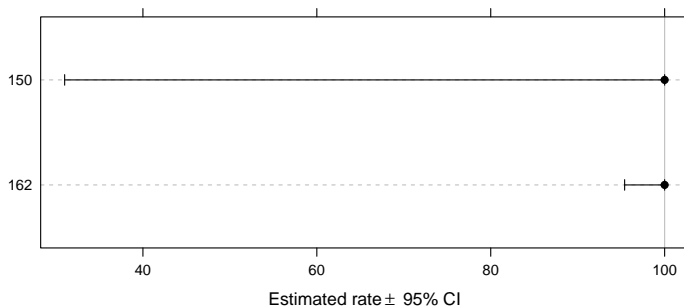
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Rare Events

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

Estimated rate ± 95% CI

Blood glucose check for altered mental status

Percent of patient transport contacts with altered mental status
or focal neurologic deficit with a documented blood glucose check.
Overall: 62 % (67/108)

Estimated rate ± 95% CI
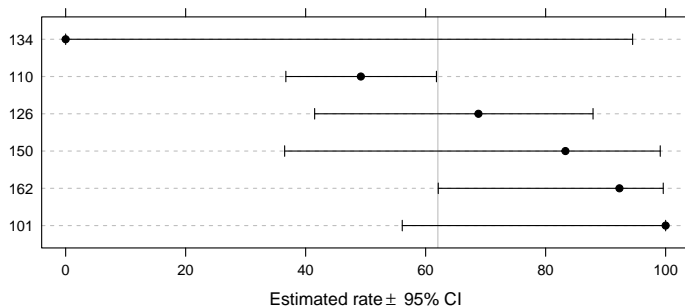
Management of hypertension in hemorrhagic stroke

GAMUT Update

GAMUT Database
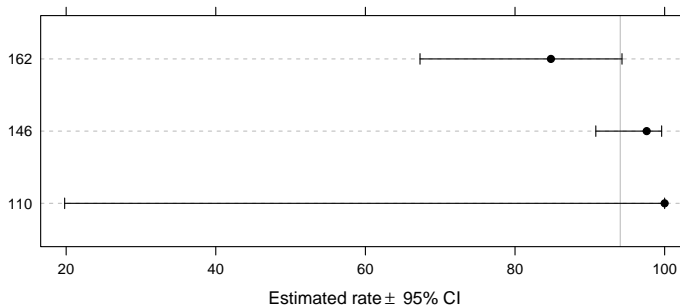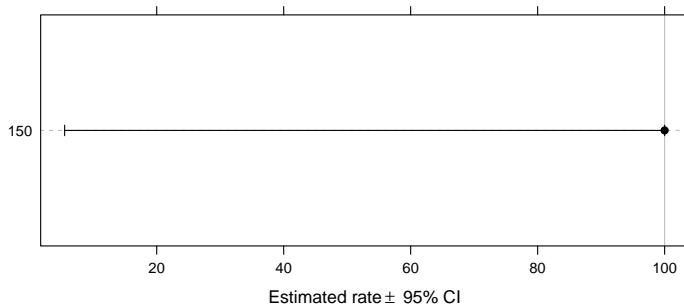
Participation

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

Appropriate management of hemorrhagic shock

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

Appropriate management of blood pressure for aortic emergencies

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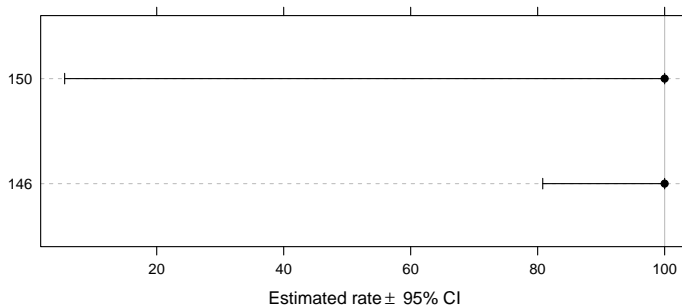
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Rare Events

Medical equipment failure

GAMUT Update

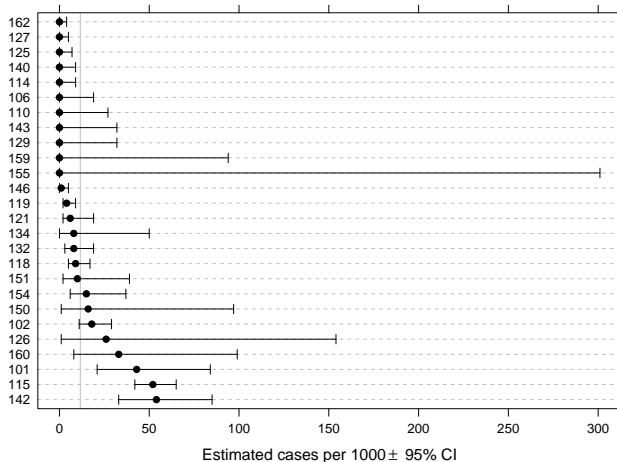GAMUT Database

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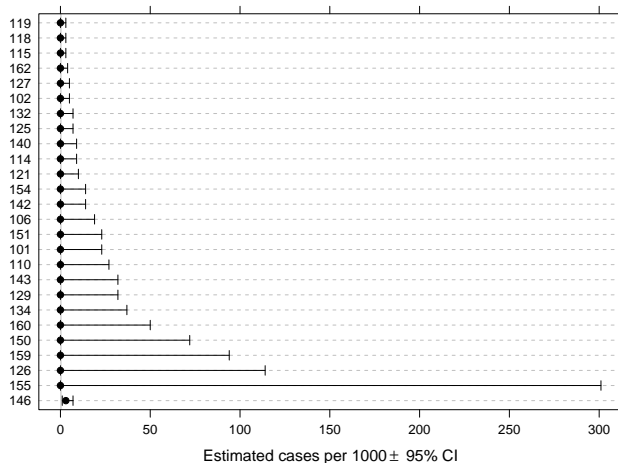
General Metrics

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Rare Events

**Medical equipment failures
per 1000 patient transport contacts.
Overall: 11.6 per 1000 (166/14297)**

Estimated cases per 1000 ± 95% CI

Adverse drug event during transport

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Rare Events

**Adverse drug events
per 1000 patient transport contacts
Overall: 0.3 per 1000 (4/14297)**

Estimated cases per 1000± 95% CI

Patient near-miss events

GAMUT Update

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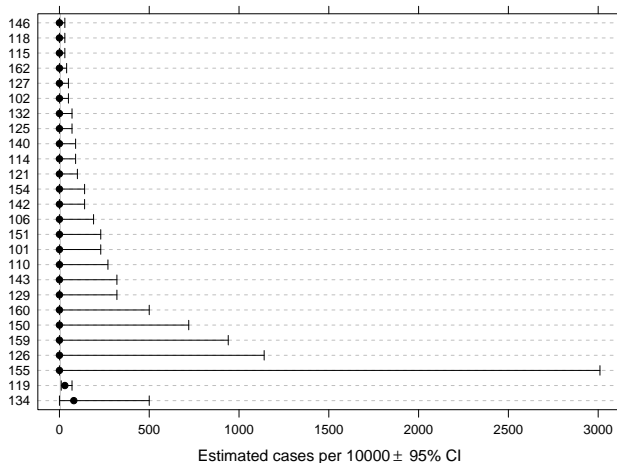
Participation

Advanced Airway
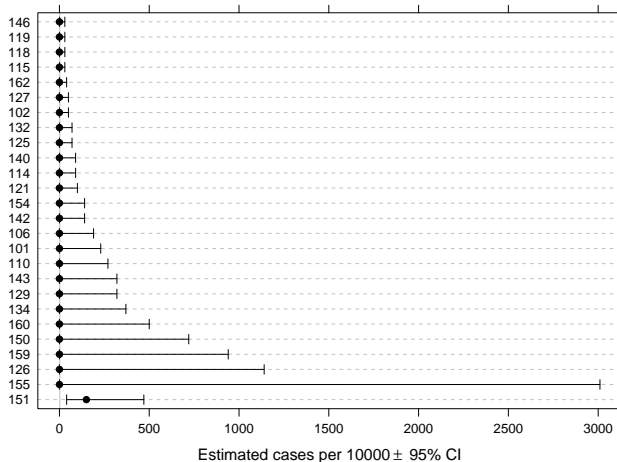Management

Intubation

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Rare Events

**(Rolling 12 month) transport–related patient mishap rate
per 10,000 patient transport contacts
Overall: 4.9 per 10000 (7/14297)**

Estimated cases per 10000 ± 95% CI

Rate of Serious Reportable Event

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Rare Events

(Rolling 12 month) SRE rate
per 10,000 patient transport contacts
Overall: 2.1 per 10000 (3/14297)

Estimated cases per 10000 ± 95% CI

Unplanned device dislodgements

GAMUT Update

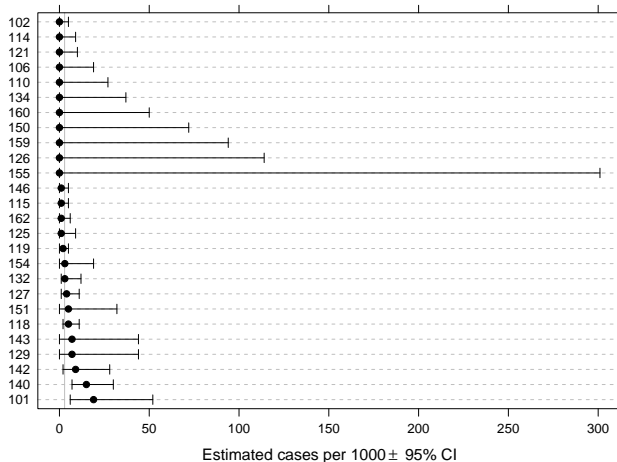GAMUT Database

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Advanced Airway
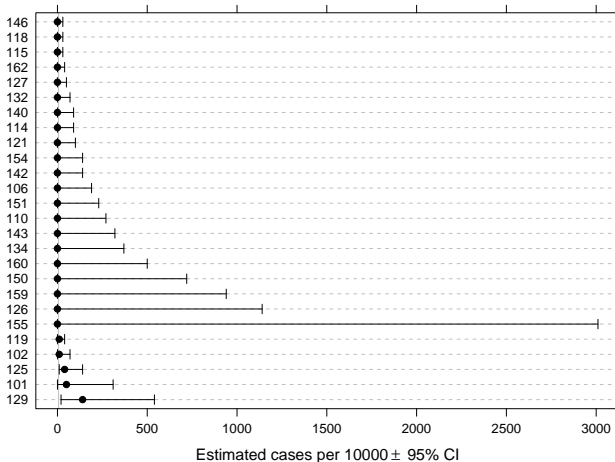Management

Intubation

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**Unplanned dislodgements of therapeutic devices
per 1000 patient transport contacts
Overall: 2.9 per 1000 (41/14297)**

Estimated cases per 1000 ± 95% CI

Medication errors on transport

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Rare Events

(Rolling 12 month) medication error rate per 10,000 patient transport contacts. Overall: 6.3 per 10000 (9/14297)

Estimated cases per 10000 ± 95% CI