

Data Manager Call

GAMUT Database

Monday, June 2, 2014

Participation

Data Manager Call

GAMUT Database

Participation

Advanced Airway
Management

Intubation

General Metrics

Focused
Populations

Rare Events

Data Entry

GAMUT Overview

60 Total Programs

- ▶ 20 reporting data
- ▶ 13 reporting all months

5476 Total Patients

- ▶ 1622 Neonatal
- ▶ 3190 Pediatric
- ▶ 657 Adult:

Data as of : Sun Jun 01 10:54:28 2014

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Record Status Dashboard

Program Name	Program Info Annual	Monthly Data Jan 2014	Monthly Data Feb 2014	Monthly Data Mar 2014	Monthly Data Apr 2014
A [blurred]					
A [blurred]					
A [blurred]					
A [blurred]					
B [blurred]					
B [blurred]					
B [blurred]					
C [blurred]					
C [blurred]					
C [blurred]					
C [blurred]					
C [blurred]					
C [blurred]					
C [blurred]					
D [blurred]					
D [blurred]					

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Advanced Airway Management

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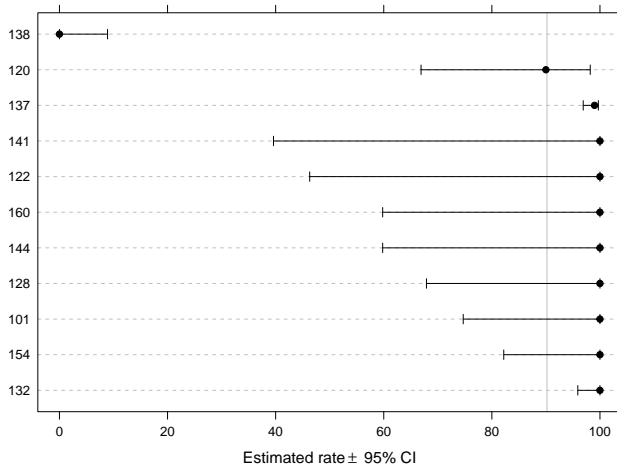
Focused
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Data Entry

Mechanical Ventilation

**Percent of patient transport contacts with
an advanced airway supported by a mechanical ventilator**
Overall: 90.2 % (506/561)



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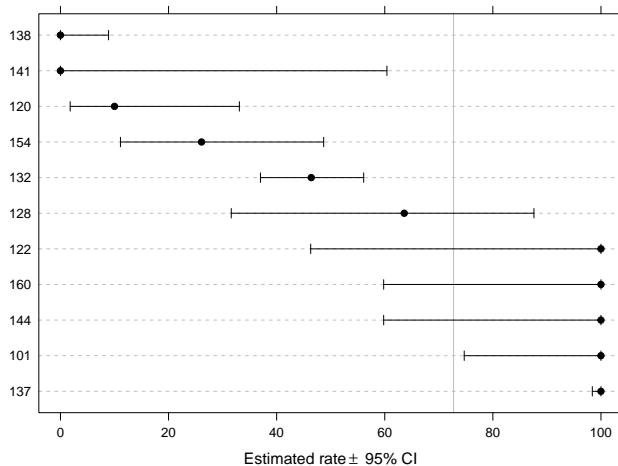
Rare Events

Data Entry

Waveform Capnography

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

Overall: 72.7 % (408/561)



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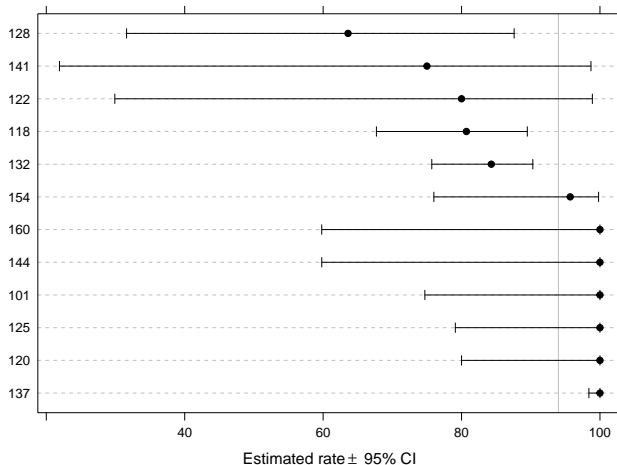
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Data Entry

Confirmed tracheal tube placement

Percent of intubated patient transport contacts
with documentation of confirmed tracheal tube placement.
Overall: 94 % (548/583)



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Neonatal - First Attempt Success

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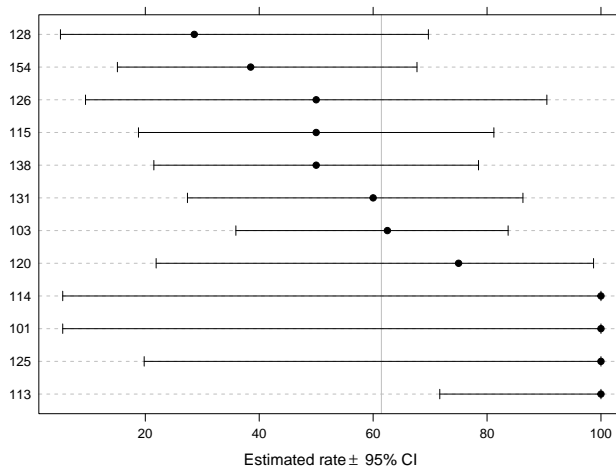
General Metrics

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Data Entry

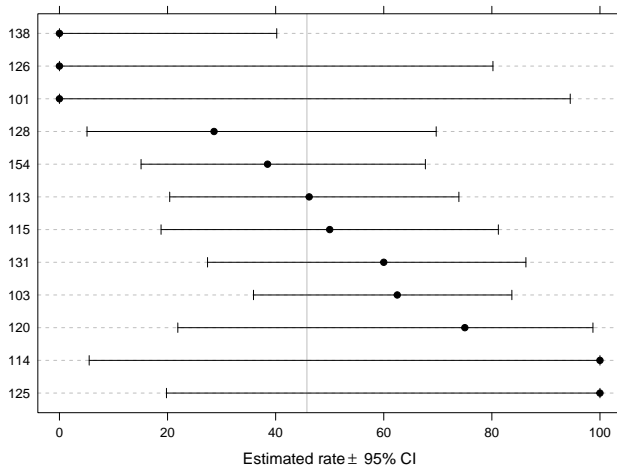
**Neonatal – Percent of patient transport contacts successfully intubated
on the 1st attempt by the transport team**
Overall: 61.4 % (51/83)



Neonatal - DASH-1A

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

Overall: 45.8 % (38/83)



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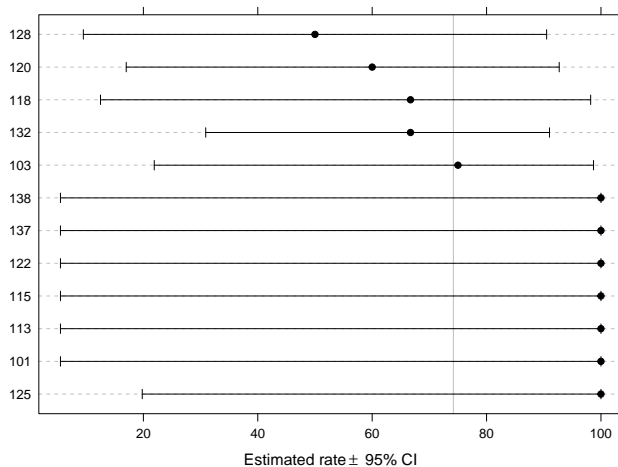
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Rare Events

Data Entry

Pediatric - First Attempt Success

Pediatric – Percent of patient transport contacts successfully intubated on the 1st attempt by the transport team
Overall: 74.2 % (23/31)



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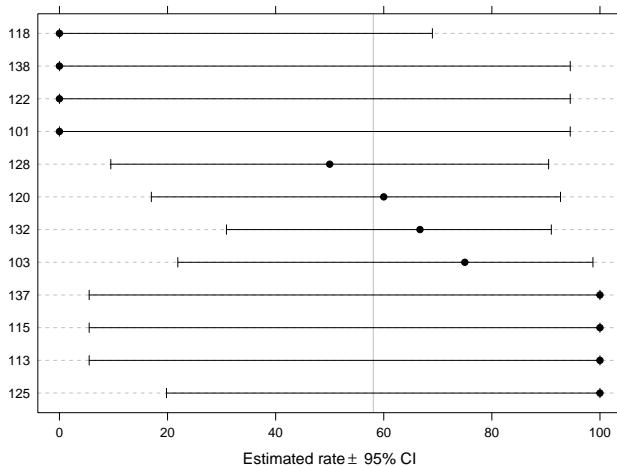
Rare Events

Data Entry

Pediatric - DASH-1A

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

Overall: 58.1 % (18/31)



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Adult - First Attempt Success

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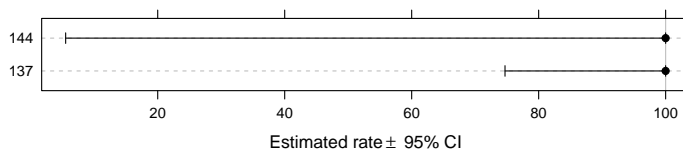
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Data Entry

**Adult – Percent of patient transport contacts successfully intubated
on the 1st attempt by the transport team**

Overall: 100 % (16/16)



Adult DASH-1A

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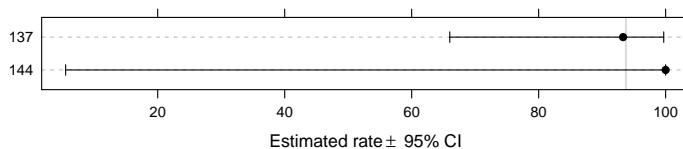
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**Adult – Percent of patients with definitive airway during the 1st attempt
by the transport team without suffering hypoxia or hypotension**

Overall: 93.8 % (15/16)



RSI protocol compliance

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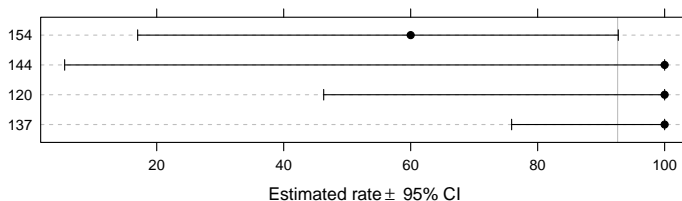
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Data Entry

**Percent of patient transport contacts undergoing RSI
where all indicated elements of the program's RSI protocol were completed.**

Overall: 92.6 % (25/27)



General Metrics

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Reliable pain assessments

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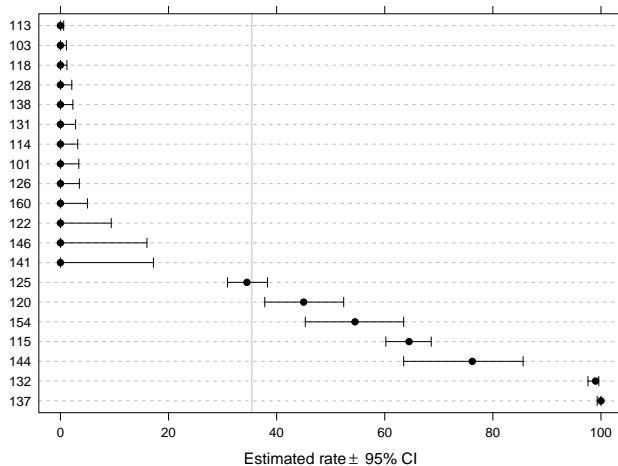
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Data Entry

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

Overall: 35.4 % (1939/5476)



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).

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Incidence of hypoxia during transport

group	num	den
101	0	0
103	0	0
113	0	0
114	0	0
115	0	0
118	0	0
120	0	0

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Incidence of hypoxia during transport

group	num	den
122	0	0
125	0	0
126	0	0
128	0	0
131	0	0
132	1	1
137	2	0

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Incidence of hypoxia during transport

group	num	den
138	0	0
141	0	0
144	1	63
146	0	0
154	3	120
160	0	0

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HEMS Over-triage

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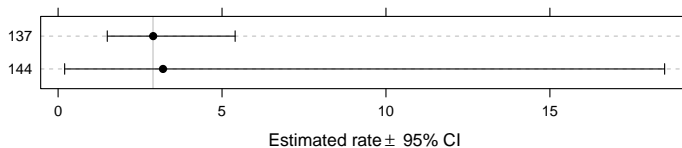
General Metrics

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Rare Events

Data Entry

**Percent of the HEMS patient transport contacts
discharged without hospital admission**
Overall: 2.9 % (11/380)



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**Focused
Populations**

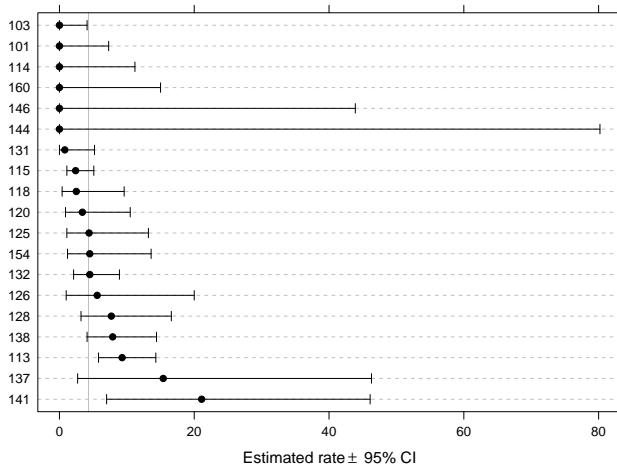
Rare Events

Data Entry

Focused Populations

Neonatal Hypothermia on Arrival

Percent of neonates found
hypothermic upon admission
Overall: 4.3 % (70/1622)



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Data Entry

STEMI Bedside

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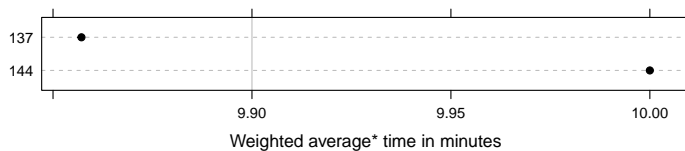
General Metrics

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Rare Events

Data Entry

**Average bedside time for
STEMI activation patients
Overall: 10 min.**



STEMI Scene

Data Manager Call

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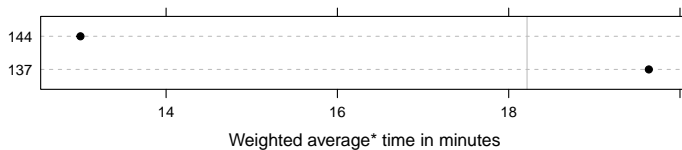
General Metrics

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Rare Events

Data Entry

**Average scene time for
STEMI activation patients
Overall: 18 min.**



ECG interpretation for STEMI patients

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General Metrics

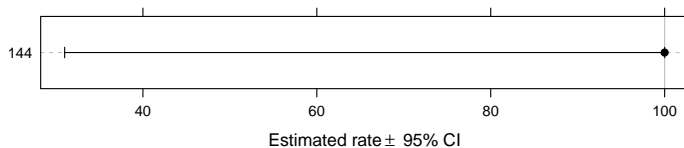
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Rare Events

Data Entry

**Percent of transport patient contacts with accurately
interpreted 12-lead ECG evaluations**

Overall: 100 % (3/3)



Blood glucose check for altered mental status

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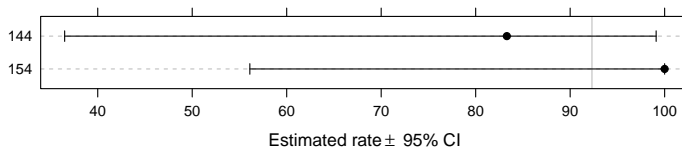
Focused
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Rare Events

Data Entry

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

Overall: 92.3 % (12/13)



Management of hypertension in hemorrhagic stroke

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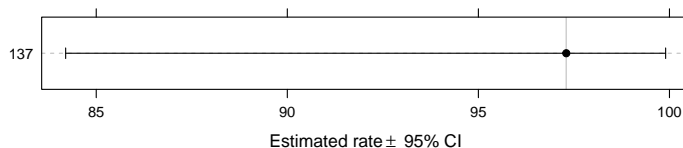
General Metrics

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Rare Events

Data Entry

**Percent of transport patient contacts with
hemorrhagic stroke and appropriate blood pressure management**
Overall: 97.3 % (36/37)



Appropriate management of hemorrhagic shock

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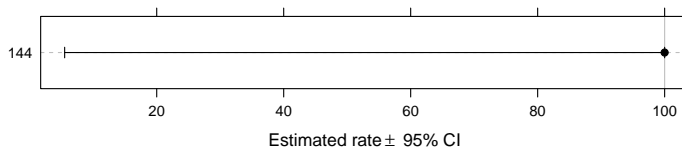
General Metrics

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Rare Events

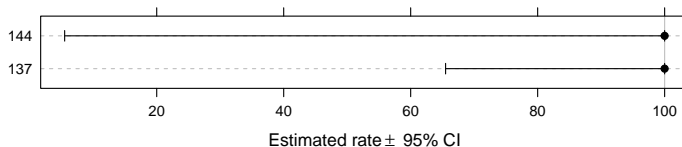
Data Entry

**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 % (11/11)



Rare Events

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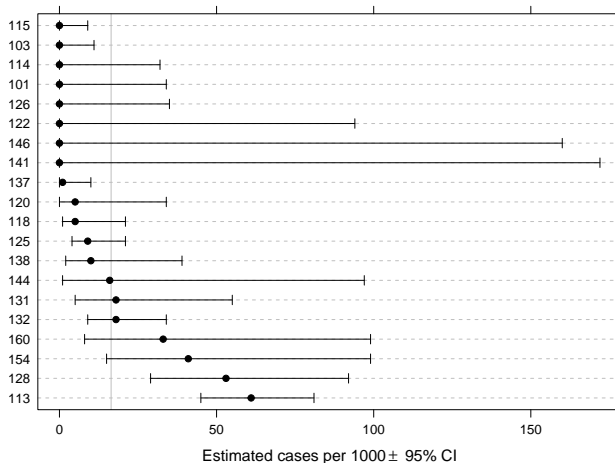
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Rare Events

Data Entry

Medical equipment failure

**Medical equipment failures
per 1000 patient transport contacts.
Overall: 16.4 per 1000 (90/5476)**



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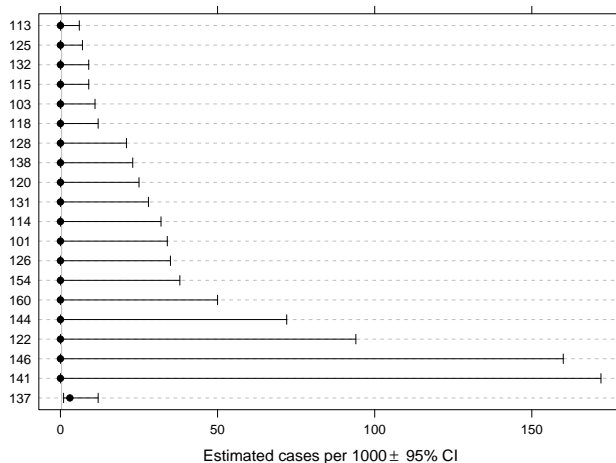
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Rare Events

Data Entry

Adverse drug event during transport

**Adverse drug events
per 1000 patient transport contacts**
Overall: 0.4 per 1000 (2/5476)



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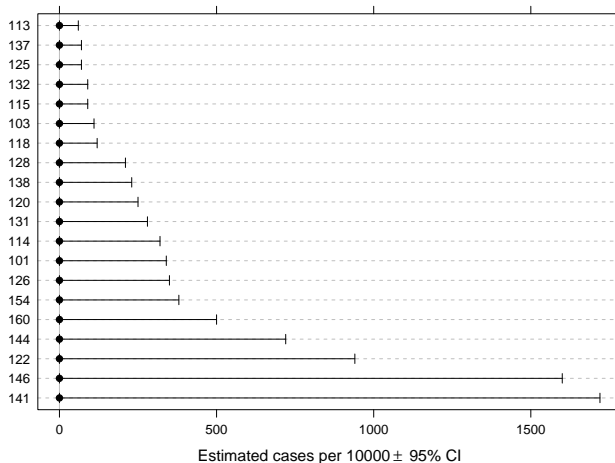
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Rare Events

Data Entry

Patient near-miss events

**(Rolling 12 month) transport-related patient mishap rate
per 10,000 patient transport contacts**
Overall: 0 per 10000 (0/5476)



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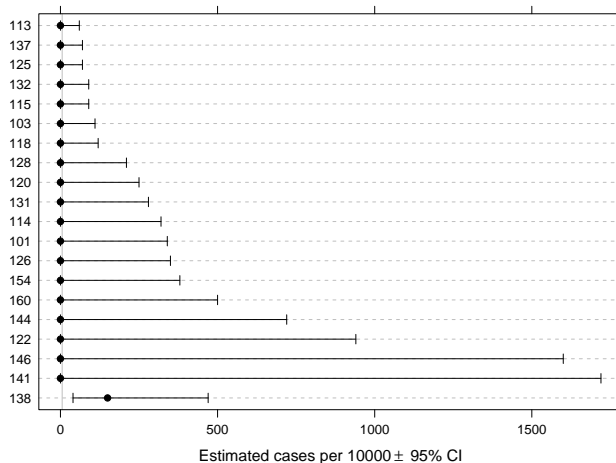
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Rare Events

Data Entry

Rate of Serious Reportable Event

(Rolling 12 month) SRE rate
per 10,000 patient transport contacts
Overall: 5.5 per 10000 (3/5476)



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Unplanned device dislodgements

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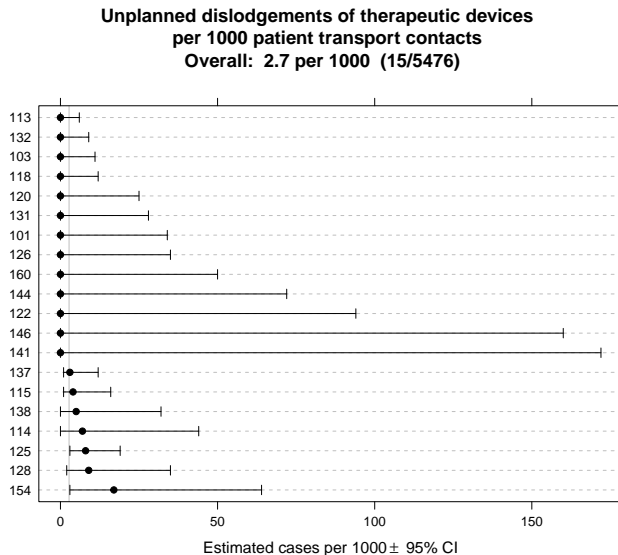
Intubation

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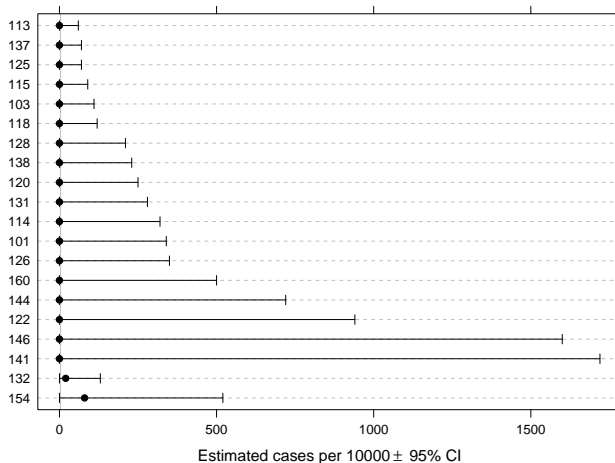
Rare Events

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Medication errors on transport

**(Rolling 12 month) medication error rate
per 10,000 patient transport contacts.
Overall: 3.7 per 10000 (2/5476)**



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Data Entry

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Data Quality

REDCap™

Logged in as rpanish | Log out

My Projects

Project Home

Project Setup

Project status: **Production**

Data Collection

Record Status Dashboard

Add / Edit Records

Applications

Data Export Tool

File Repository

Data Quality and Resolve Issues

Project Bookmarks

AMPA Metric Definitions

Peds Neo Metric Definitions

Help & Information

Help & FAQ

Video Tutorials

GAMUT Database

Data Quality

Find Issues Resolve Issues Resolution Metrics

This module will allow you to execute data quality rules upon your project data to check for discrepancies in your data. Listed below are some pre-defined data rules that you may utilize and run. You may also create your own rules or edit, delete, or reorder the rules you have already created. To find discrepancies for a given rule, simply click the Execute button next to it, or click the Execute All Rules button to fire all the rules at once. It will provide you with a total number of discrepancies found for each rule and will allow you to view the details of those discrepancies by clicking the View link next to each. [Read more detailed instructions.](#)

NOTE: Since you have been assigned to a Data Access Group, you are only able to view discrepancies for records assigned to your group.

Data Quality Rules					
Execute rules: All All except A&B All custom Clear					
Rule #	Rule Name	Rule Logic (Show discrepancy only if...)	Real-time execution ?	Total Discrepancies	
A	Missing values*	-		Execute	
B	Missing values* (required fields only)	-		Execute	
C	Field validation errors (incorrect data type)	-		Execute	
D	Field validation errors (out of range)	-		Execute	

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Data Quality

Find Issues

Resolve Issues 6

Resolution Metrics

This module will allow you to execute data quality rules upon your project data to check for discrepancies in your data. Listed below are some pre-defined data rules that you may utilize and run. You may also create your own rules or edit, delete, or reorder the rules you have already created. To find discrepancies for a given rule, simply click the Execute button next to it, or click the Execute All Rules button to fire all the rules at once. It will provide you with a total number of discrepancies found for each rule and will allow you to view the details of those discrepancies by clicking the View link next to each. [Read more detailed instructions.](#)

Data Quality Rules

Execute rules:

Rule #	Rule Name	Rule Logic (Show discrepancy only if...)	Real-time execution ?	Total Discrepancies
A	Missing values*	-		<input type="button" value="Execute"/>
B	Missing values* (required fields only)	-		<input type="button" value="Execute"/>
C	Field validation errors (incorrect data type)	-		<input type="button" value="Execute"/>
D	Field validation errors (out of range)	-		<input type="button" value="Execute"/>

Data Quality

1	more tracheal tubes confirmed than total tracheal tube cases	<code>[adv_airway_tt_confirmed] > [adv_airway_tt_cases]</code>		2	view
2	Total patients not equal to the sum of neo, ped & adult patients	<code>[total_patients] <> [total_neo_patients] + [total_peds_patients] + [total_adult_patients]</code>		1	view
3	more successful NEO intubations than attempts	<code>[intub_neo_first_success] > [intub_neo_attempts]</code>		0	view
4	more successful PED intubations than attempts	<code>[intub_ped_first_success] > [intub_ped_attempts]</code>		0	view
5	more successful Adult intubations than attempts	<code>[intub_adult_first_success] > [intub_adult_attempts]</code>		0	view

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Rule #1: **more tracheal tubes confirmed than total tracheal tube cases**

Discrepancies found: **2**

Record (Sorted by DAG)	Discrepant fields with their values	Status	Resolve issue 
Jan 2014	adv_airway_tt_confirmed: 28 adv_airway_tt_cases:	Issue exists	 0 comments
Feb 2014	adv_airway_tt_confirmed: 22 adv_airway_tt_cases:	Issue exists	 0 comments

click to open the record

Issue Resolution

Tracheal Tube Confirmation

Number of tracheal tubes with confirmation of placement





28


Number of transport contacts with tracheal tubes



Data Entry

Issue Resolution

 **Data Resolution Workflow** 

 [VIDEO: Data Resolution Workflow](#)

This pop-up displays the Data Resolution Workflow for the specified record for a given field and/or Data Quality rule. Users with appropriate user privileges may open data queries to begin a documented process of resolving an issue with the data. Opened data queries may thus be responded to by users with appropriate privileges, and then they may be closed once the issue has been resolved. All data queries can also be viewed on the Resolve Issues page in this project.

Program Name: [Redacted]
Event: **Jan 2014**
Field: **adv_airway_tt_cases** ("Number of transport contacts with tracheal tubes")
Status: 🚩 **Open / Unresolved** (unresponded)

Date/Time	User	Comments and Details
06/01/2014 6:51am	admin	Action: Opened query Assigned to user: [Redacted] Comment: "Please enter the related denominator for this measure or delete this value."
06/01/2014 8:29am	rparrish	<div>Reply with response: <div>-- choose response -- -- choose response -- Corrected - Data missing Corrected - Typographical error Corrected - Wrong source used Verified - Confirmed correct (no error) Other</div></div> <div>Upload file (optional): <input type="text"/></div> <div>Comment: <input type="text"/></div>

Respond to query

Cancel

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Next Steps

1. Local infrastructure & tracking
2. Enter Data in GAMUT database
3. Develop run-charts (trends)
4. Grow participation
5. Improve Patient Care / Safety

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