

# 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 07:53:30 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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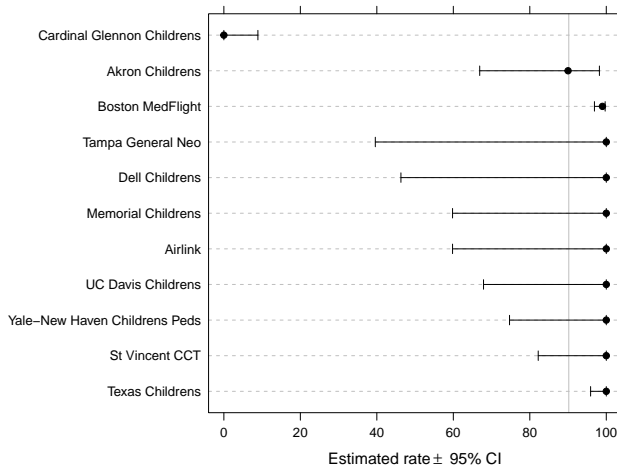
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# Mechanical Ventilation

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



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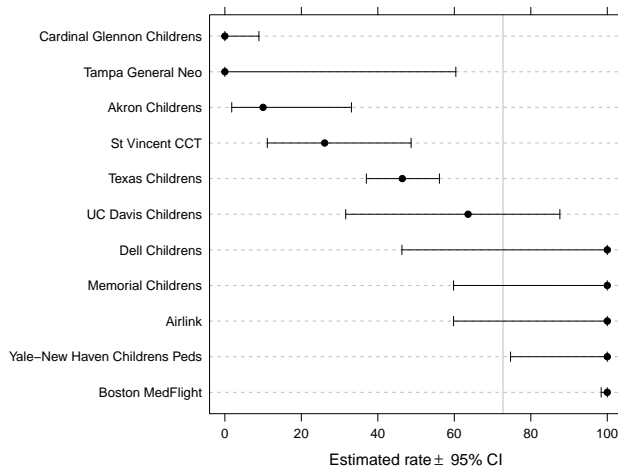
Rare Events

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# 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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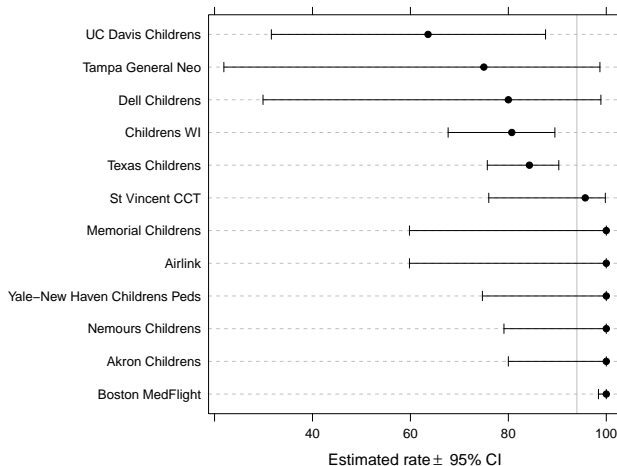
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# Confirmed tracheal tube placement

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



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# Intubation

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**Intubation**

General Metrics

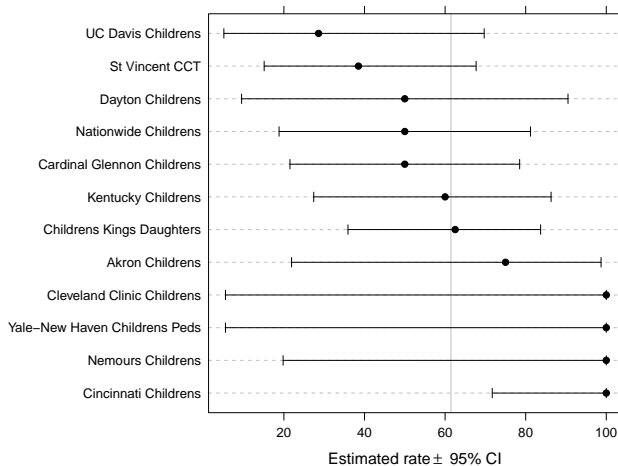
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# Neonatal - First Attempt Success

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



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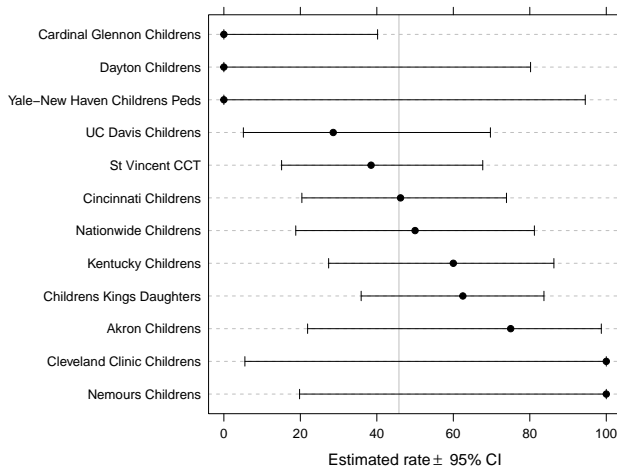
Rare Events

Data Entry

# 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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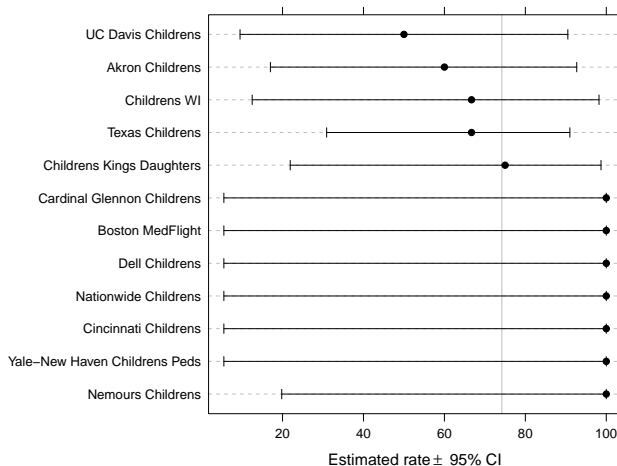
Focused  
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Data Entry

# 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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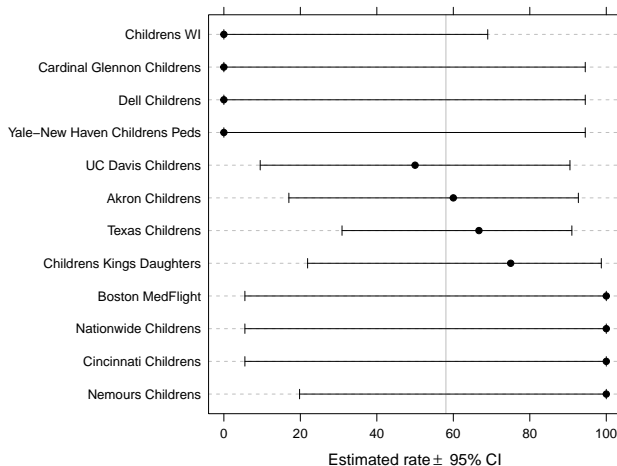
Rare Events

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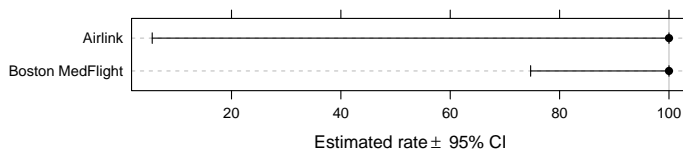
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**Adult – Percent of patient transport contacts successfully intubated  
on the 1st attempt by the transport team**

**Overall: 100 % (16/16)**



# Adult DASH-1A

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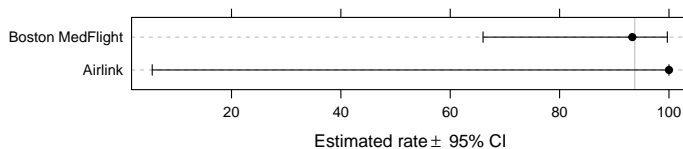
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**Adult – Percent of patients with definitive airway during the 1st attempt  
by the transport team without suffering hypoxia or hypotension**

**Overall: 93.8 % (15/16)**



# RSI protocol compliance

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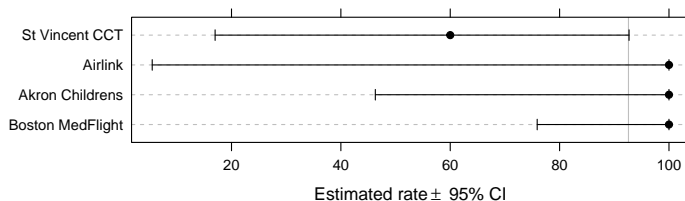
General Metrics

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**Percent of patient transport contacts undergoing RSI  
where all indicated elements of the program's RSI protocol were completed.**  
**Overall: 92.6 % (25/27)**





# General Metrics

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**General Metrics**

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# Reliable pain assessments

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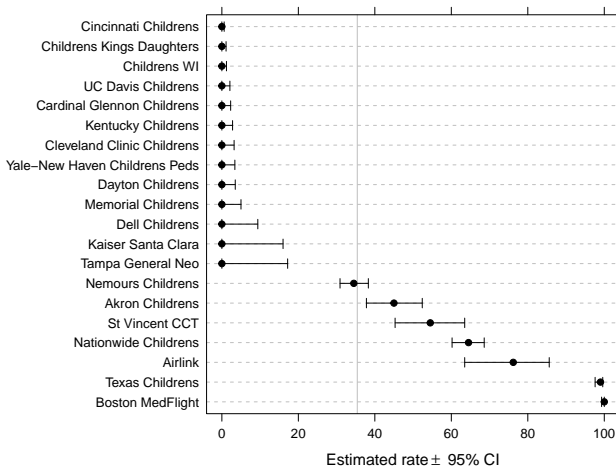
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**Percent of patient transport contacts with a documented pain assessment.**

**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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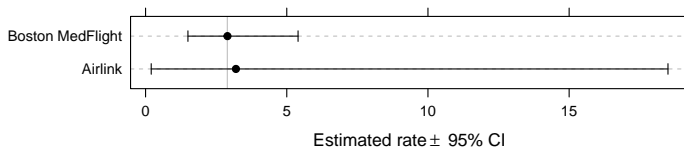
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## Percent of the HEMS patient transport contacts discharged without hospital admission

Overall: 2.9 % (11/380)



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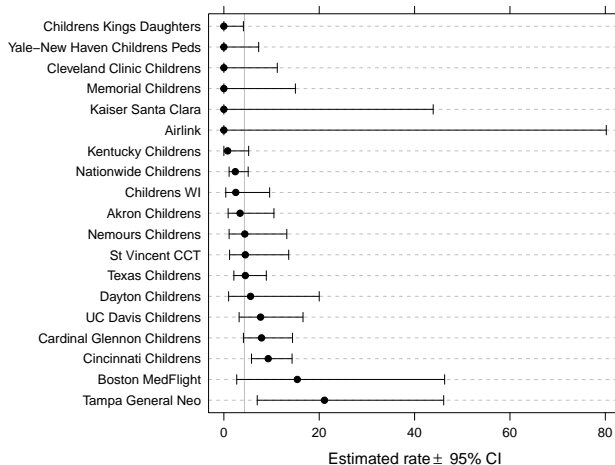
Data Entry

# Focused Populations



# Neonatal Hypothermia on Arrival

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



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# STEMI Bedside

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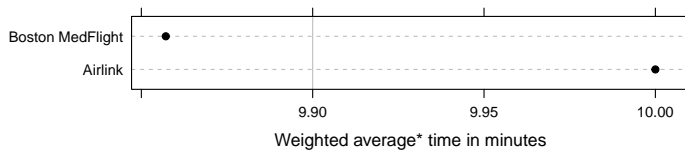
General Metrics

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



# STEMI Scene

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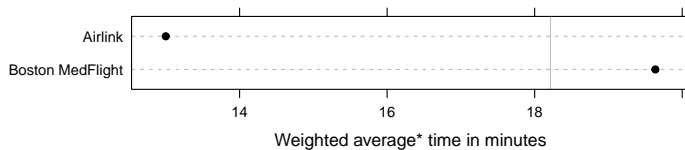
General Metrics

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



# ECG interpretation for STEMI patients

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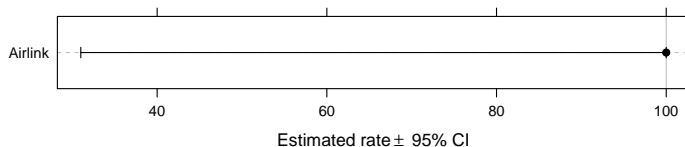
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**Percent of transport patient contacts with accurately  
interpreted 12-lead ECG evaluations**

**Overall: 100 % (3/3)**



# Blood glucose check for altered mental status

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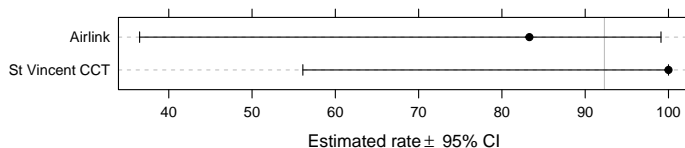
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**Percent of patient transport contacts with altered mental status  
or focal neurologic deficit with a documented blood glucose check.**

**Overall: 92.3 % (12/13)**



# Management of hypertension in hemorrhagic stroke

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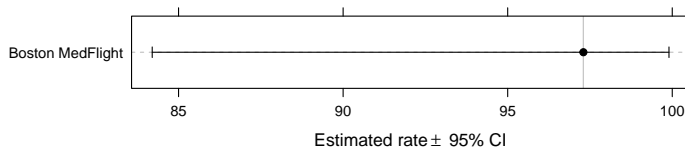
General Metrics

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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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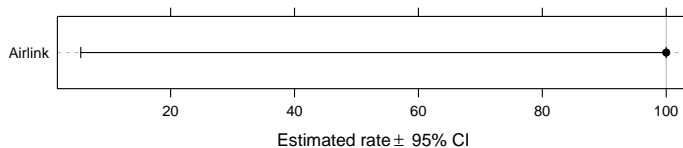
General Metrics

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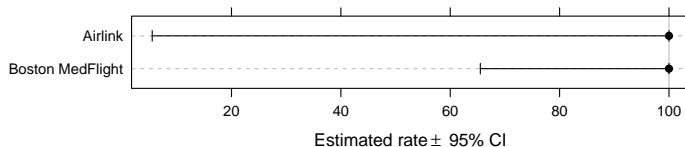
Data Entry

**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)**



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# Rare Events

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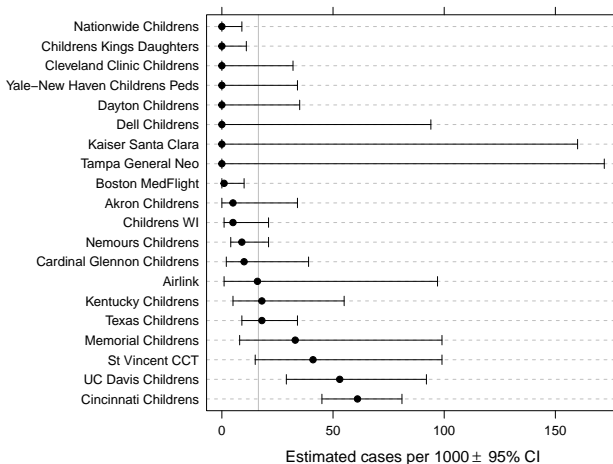
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Data Entry

# Medical equipment failure

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



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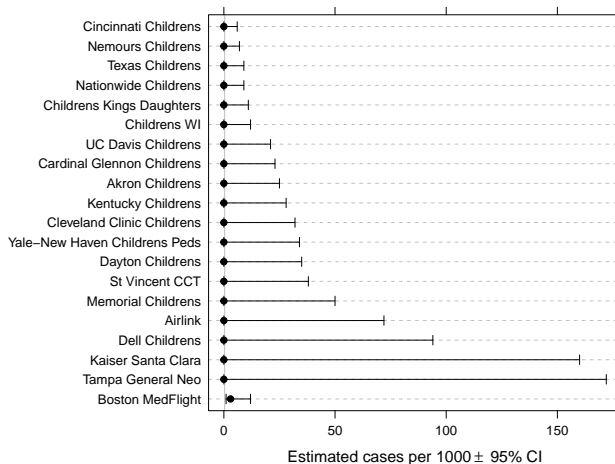
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# Adverse drug event during transport

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



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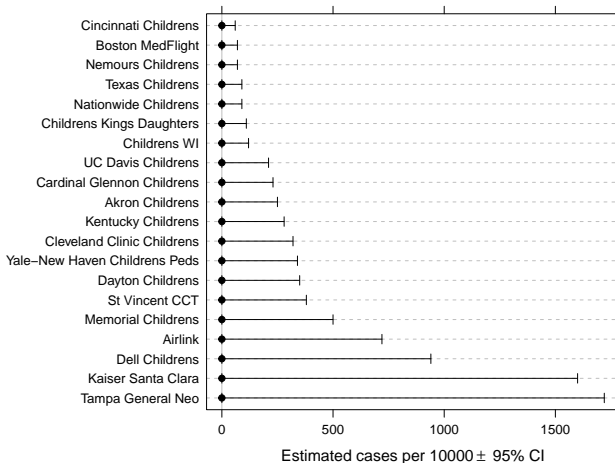
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# Patient near-miss events

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



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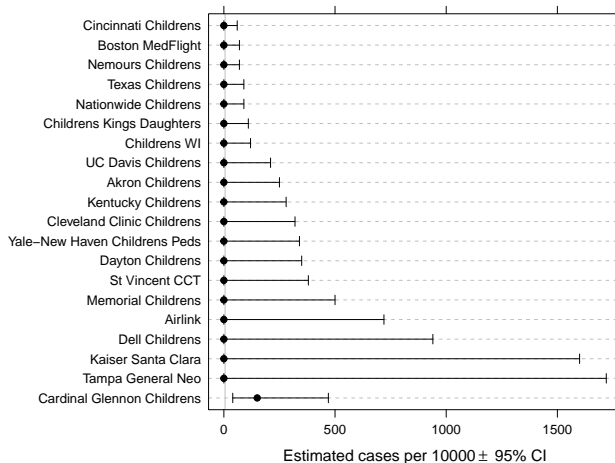
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# Rate of Serious Reportable Event

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



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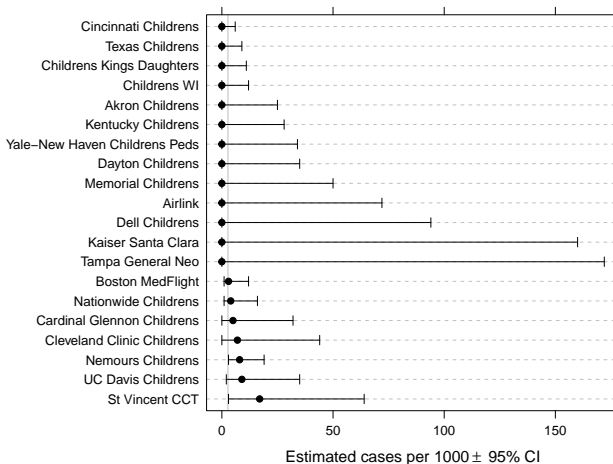
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# Unplanned device dislodgements

**Unplanned dislodgements of therapeutic devices  
per 1000 patient transport contacts**  
**Overall: 2.7 per 1000 (15/5476)**



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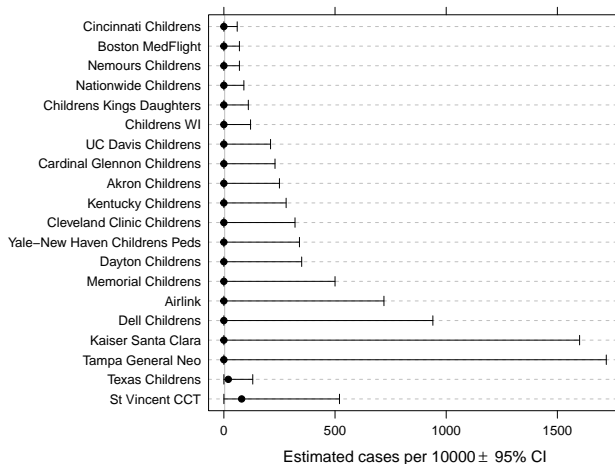
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# Medication errors on transport

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



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# Data 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

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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

## GAMUT Database



 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*	-		<button>Execute</button>
	B	Missing values* (required fields only)	-		<button>Execute</button>
	C	Field validation errors (incorrect data type)	-		<button>Execute</button>
	D	Field validation errors (out of range)	-		<button>Execute</button>

# Data Quality

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

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# Data Quality

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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: <a href="#">28</a> adv_airway_tt_cases:	Issue exists	 0 comments
Feb 2014	adv_airway_tt_confirmed: <a href="#">22</a> 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

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# 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: <b>Opened query</b> Assigned to user: <span style="background-color: #cccccc;">[Redacted]</span> 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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