



**Serving Butte, Colusa, Glenn, Nevada, Placer, Shasta,
Siskiyou, Sutter, Tehama, & Yuba Counties**



2021 EMS System Data Report (Updated Through July 31st, 2021)





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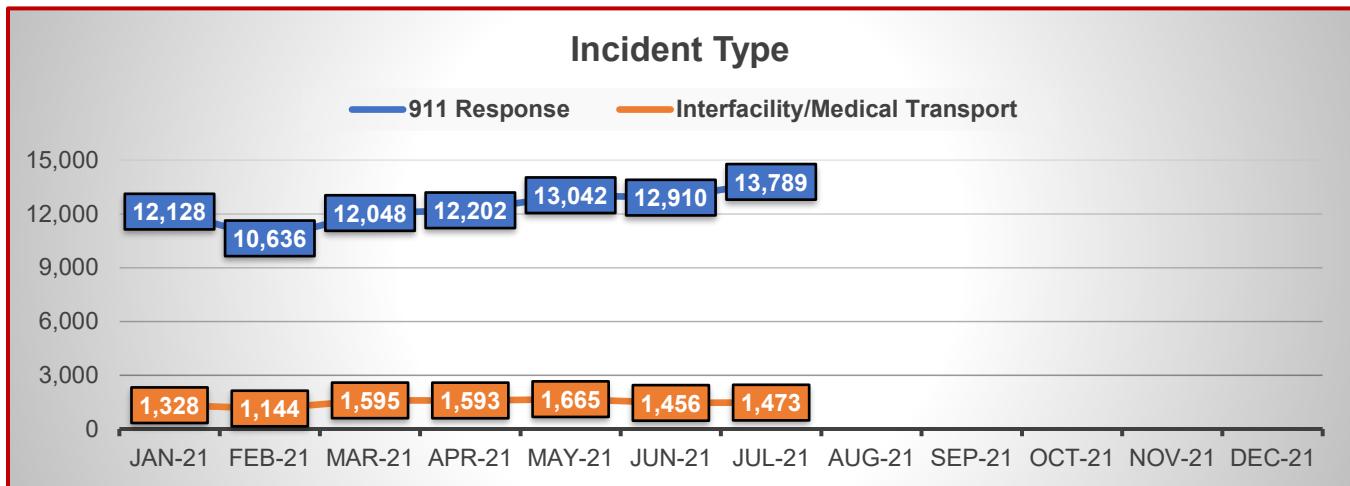


S-SV EMS Agency 2021 Regional EMS System Data Report

Mayers Memorial Hospital APOT	34
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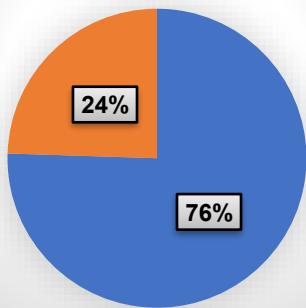


Ground EMS Incident System Data



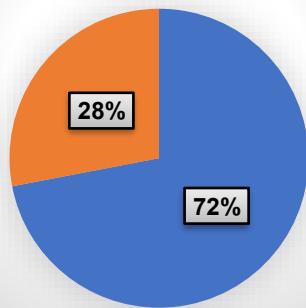
911 Patient Types

■ Medical ■ Trauma



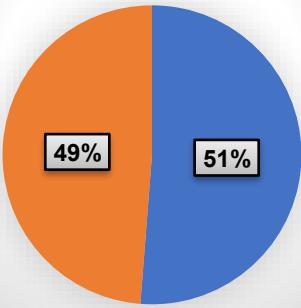
911 Call Dispositions

■ EMS Transport ■ Cancel/Refusal



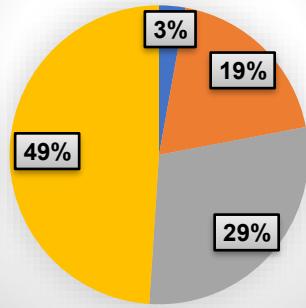
911 Patient Genders

■ Female ■ Male



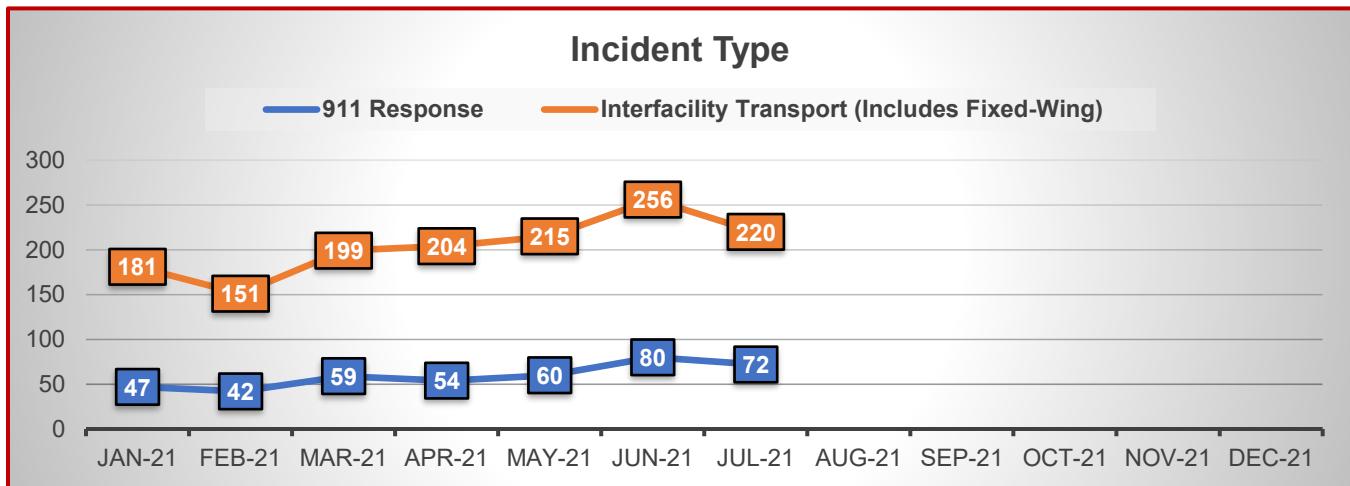
911 Patient Ages

■ 0-14 yo ■ 15-39 yo ■ 40-64 yo ■ ≥65yo



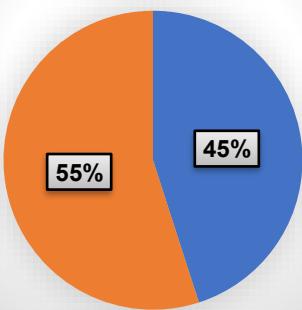


EMS Aircraft Incident System Data



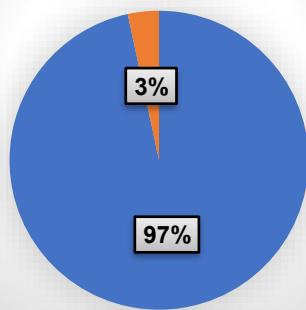
911 Patient Types

■ Medical ■ Trauma



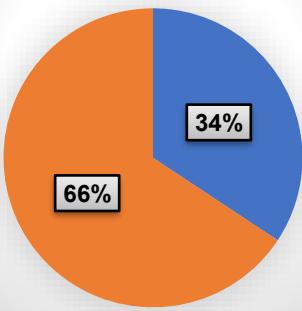
911 Aircraft Type Used

■ Air Ambulance ■ ALS Rescue Aircraft



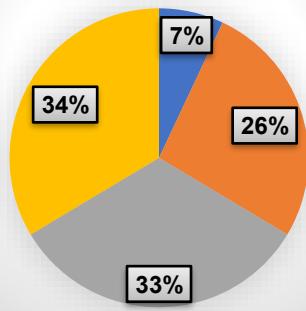
911 Patient Genders

■ Female ■ Male



911 Patient Ages

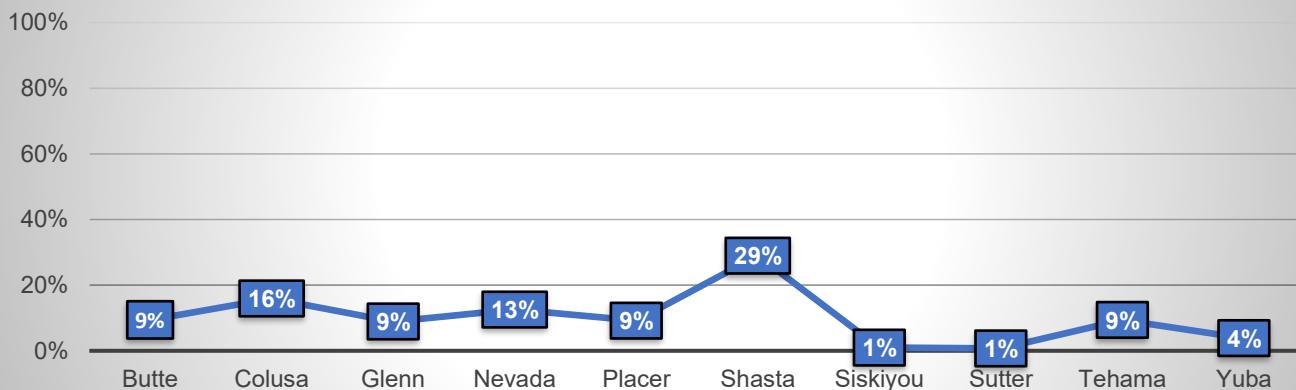
■ 0-14 yo ■ 15-39 yo ■ 40-64 yo ■ ≥65yo



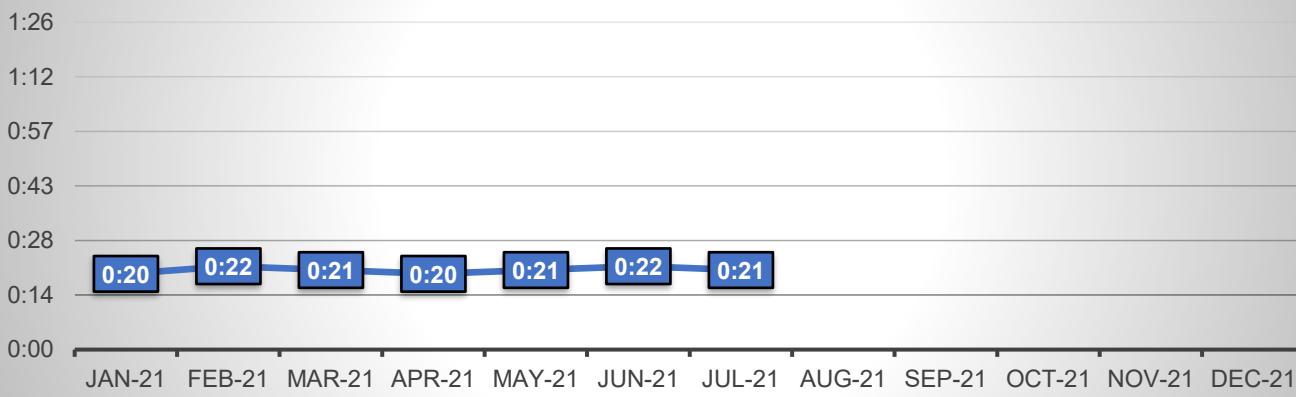


EMS Aircraft Incident County & Times Data

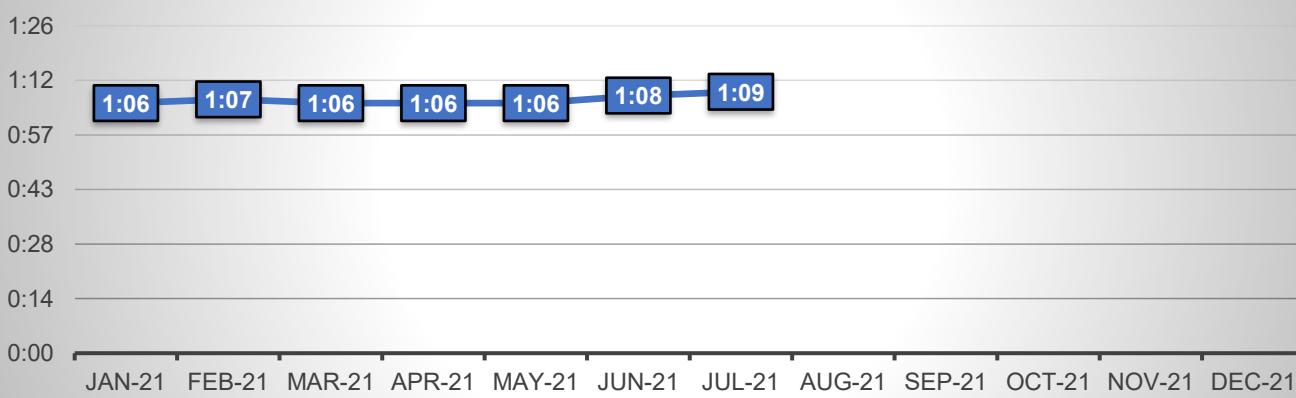
911 Calls By County



Combined Average At Scene To Transport Time (H:MM)



Combined Average Dispatch To Hospital Arrival Time (H:MM)

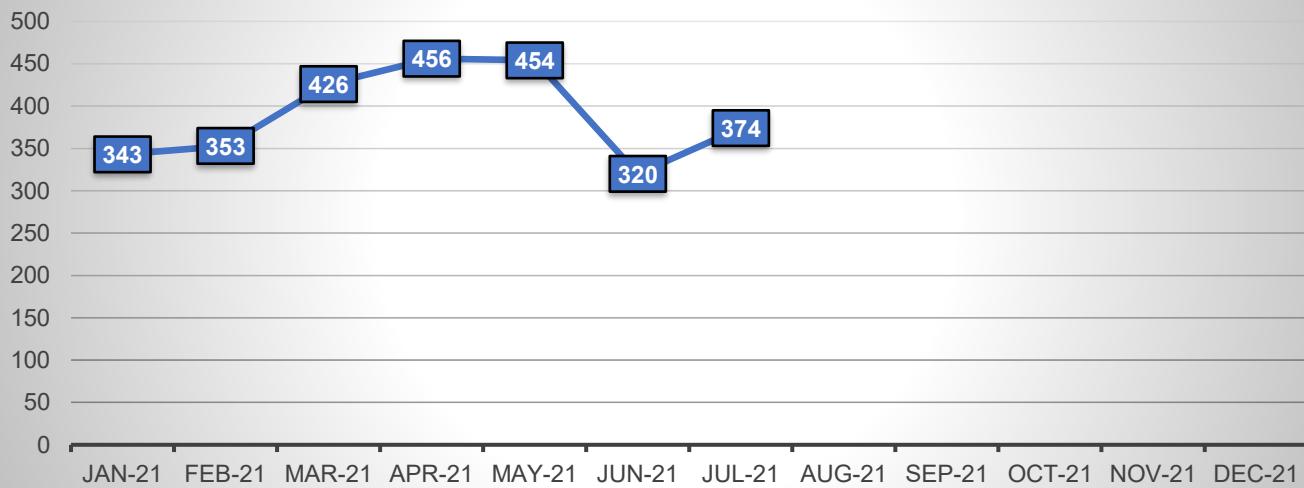




EMS Trauma Patient Data

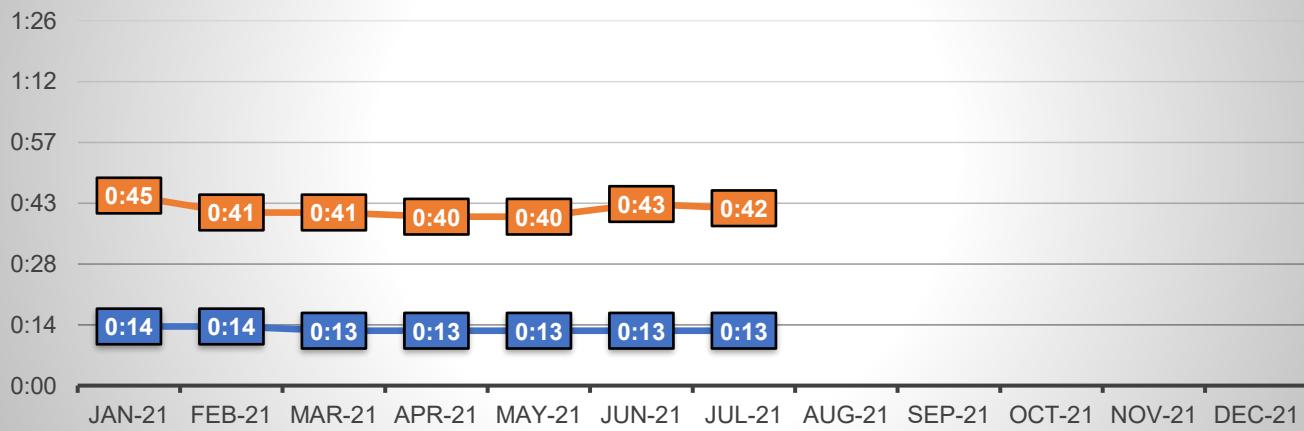


911 Trauma Triage Criteria Patient Count



911 Trauma Triage Criteria Patient Average EMS Times (H:MM)

— Scene Time — Dispatch to Hospital Arrival Time

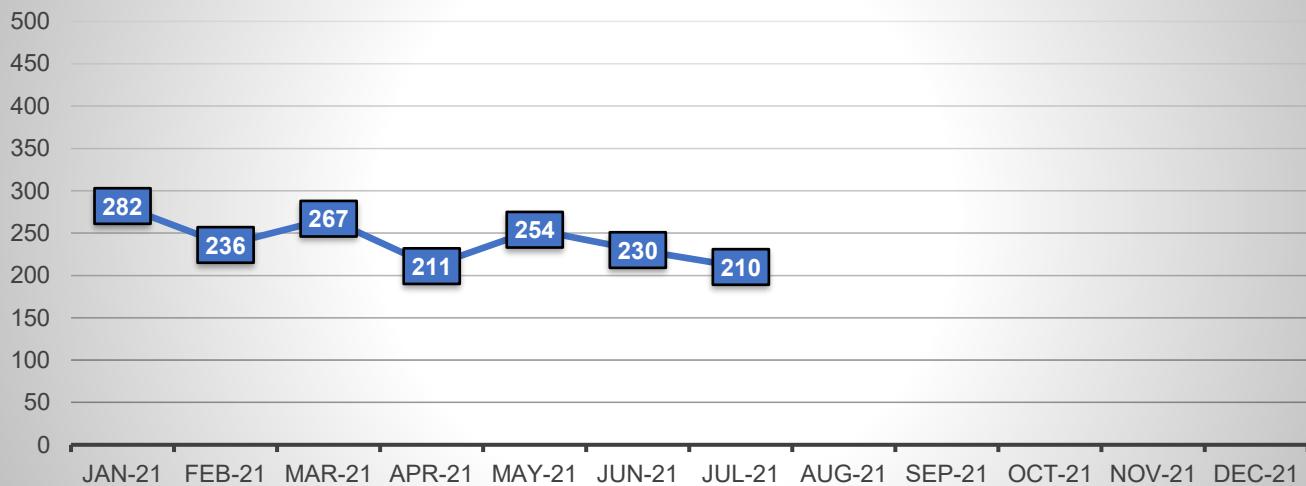




EMS Stroke Patient Data

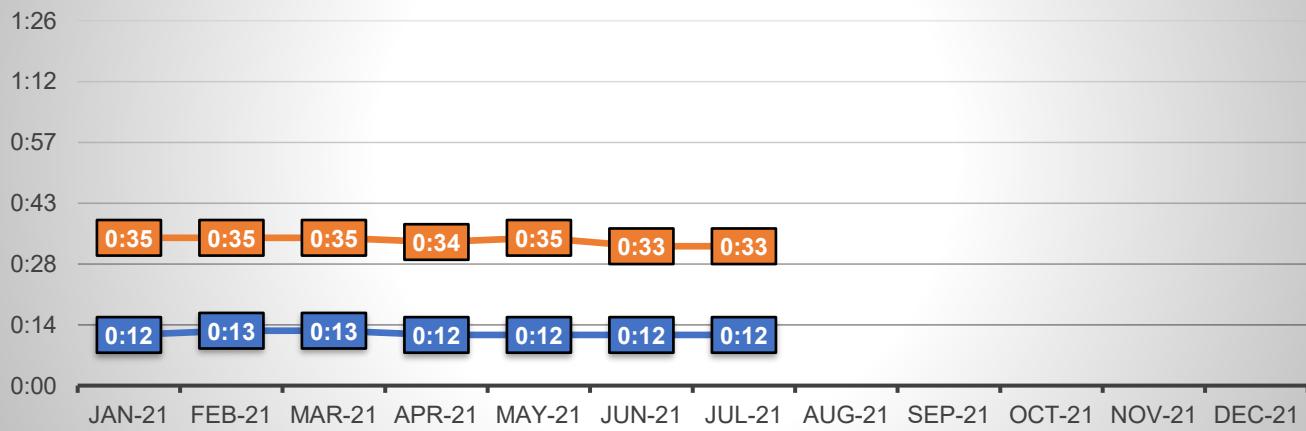


911 Stroke Patient Count



911 Stroke Patient Average EMS Times (H:MM)

— Scene Time — Dispatch to Hospital Arrival Time

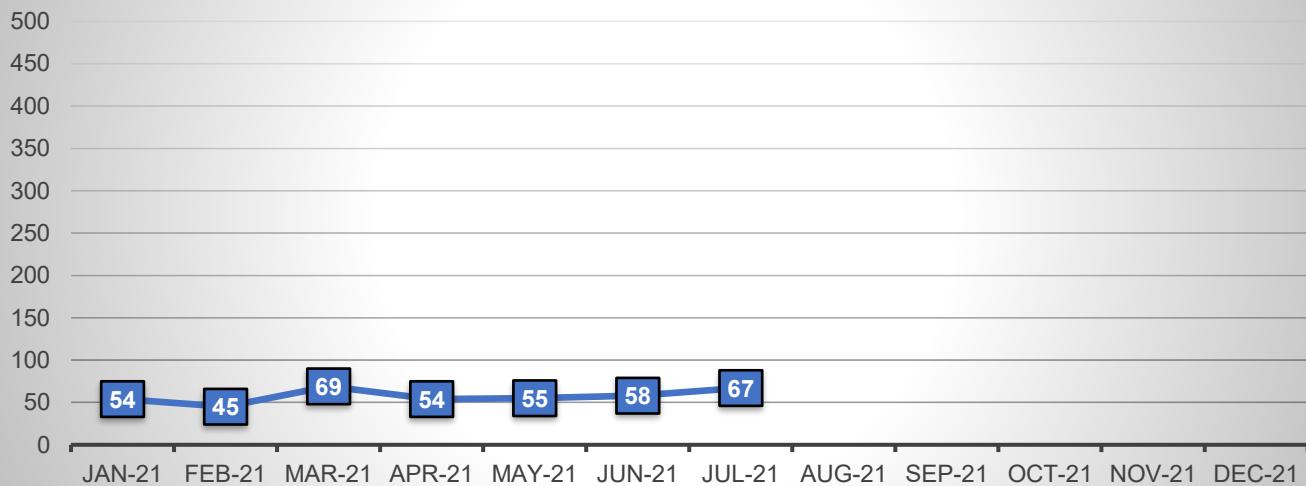




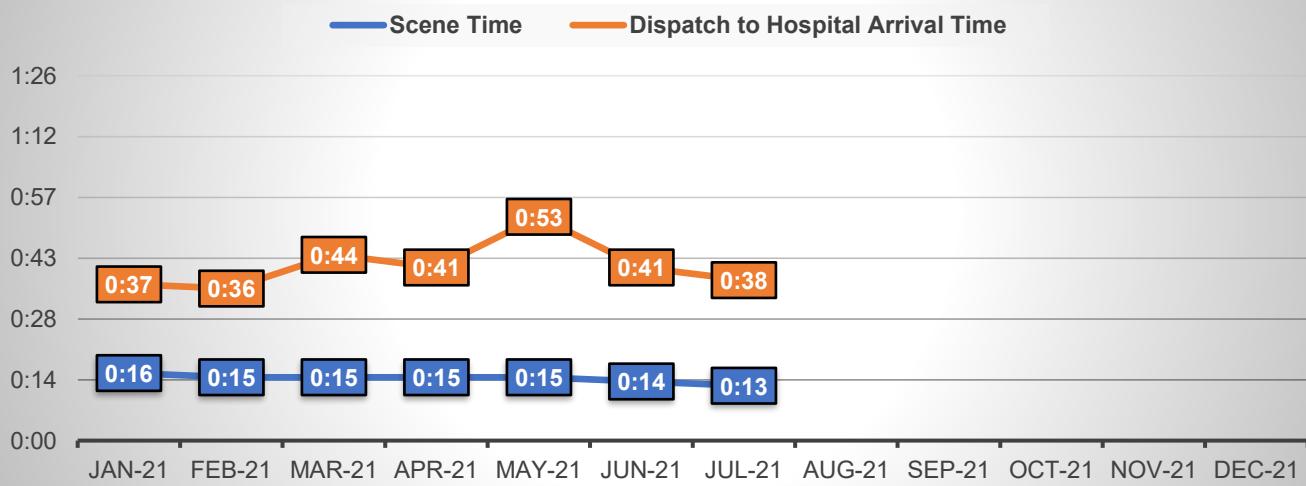
EMS STEMI Patient Data



911 STEMI Patient Count

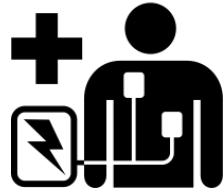


911 STEMI Patient Average EMS Times (H:MM)



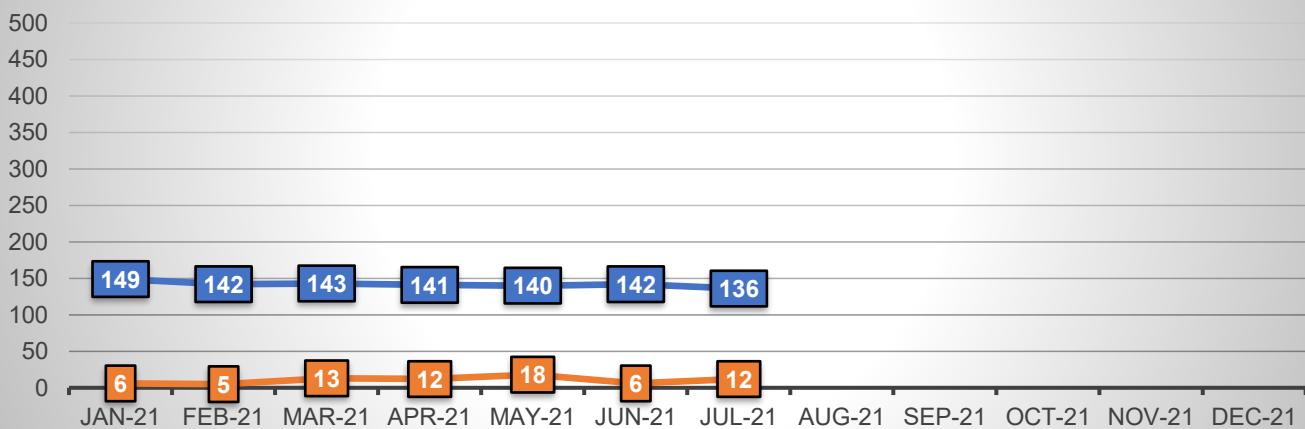


EMS Cardiac Arrest Patient Data

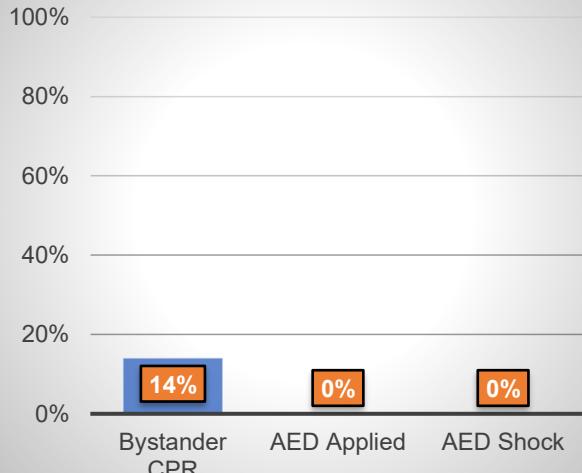


911 Cardiac Arrest Pt. Count

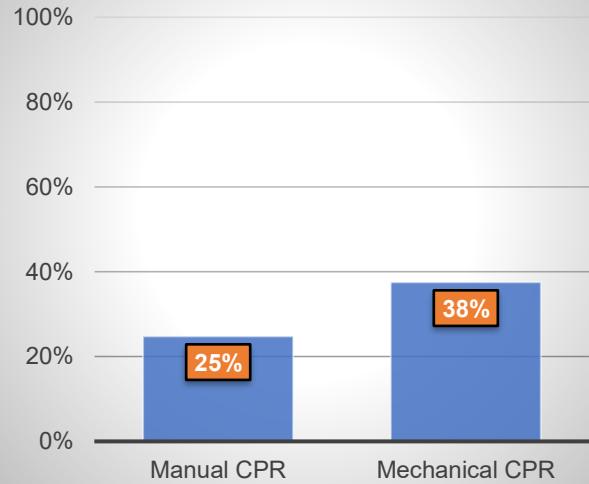
— Manual CPR — Mechanical CPR



Bystander CPR/AED Use



Prehospital ROSC





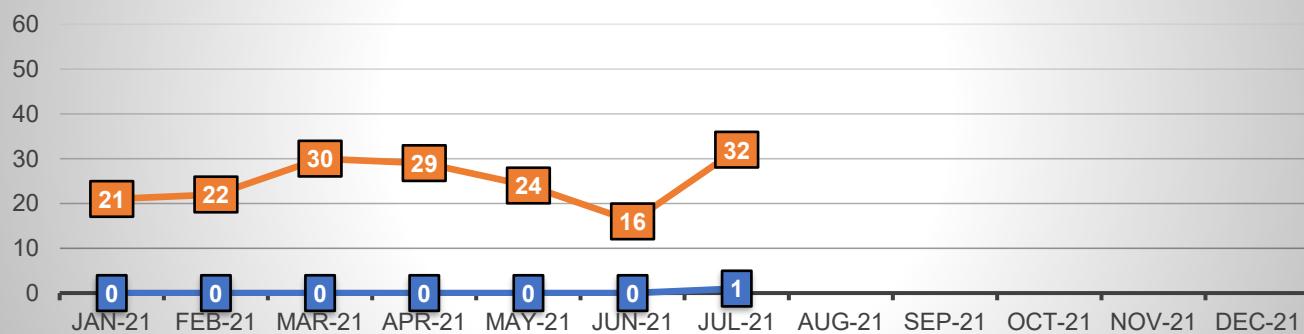
EMS Medication Utilization Data



Medication	Ground Doses	Aircraft Doses	Medication	Ground Doses	Aircraft Doses
Acetaminophen (IV)	3	0	Ipratropium	1749	4
Activated Charcoal	31	0	Ketamine	225	64
Adenosine	185	0	Ketorolac	67	0
Albuterol	1968	4	Lidocaine	35	4
Amiodarone	160	2	Lorazepam	0	4
Aspirin	3276	7	Midazolam	584	28
Atropine	112	0	Morphine	548	4
Dextrose 10%	22	0	Naloxone	1008	2
Dextrose 50%	653	0	Nitroglycerin	4630	19
Diphenhydramine	249	1	Norepinephrine	0	4
Dopamine	0	1	Ondansetron	5833	103
Epinephrine 1:1,000	141	0	Rocuronium	0	32
Epinephrine 1:10,000	2439	62	Sodium Bicarbonate	33	1
Etomidate	0	6	Terbutaline	0	0
Fentanyl	4390	235	TXA	9	9
Glucagon	89	0	Vecuronium	0	0

BLS Optional Medication Administrations

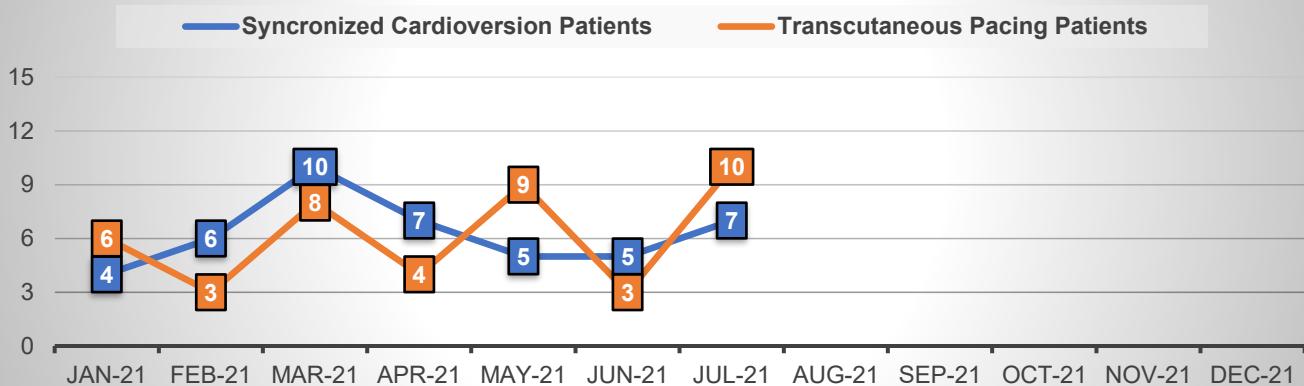
— Epinephrine 1:1,000 — Naloxone



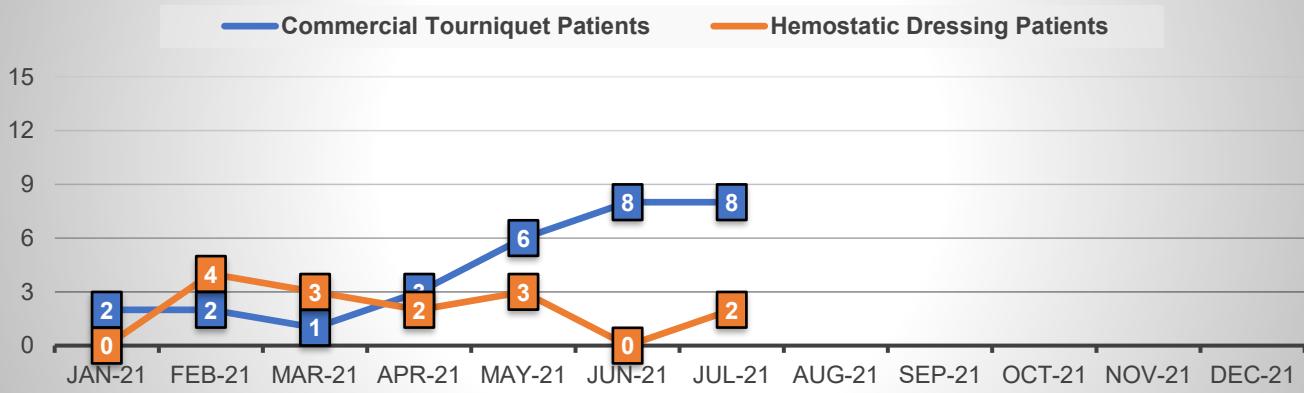


EMS Electrical Therapy, Restraint & Hemorrhage Control Procedures

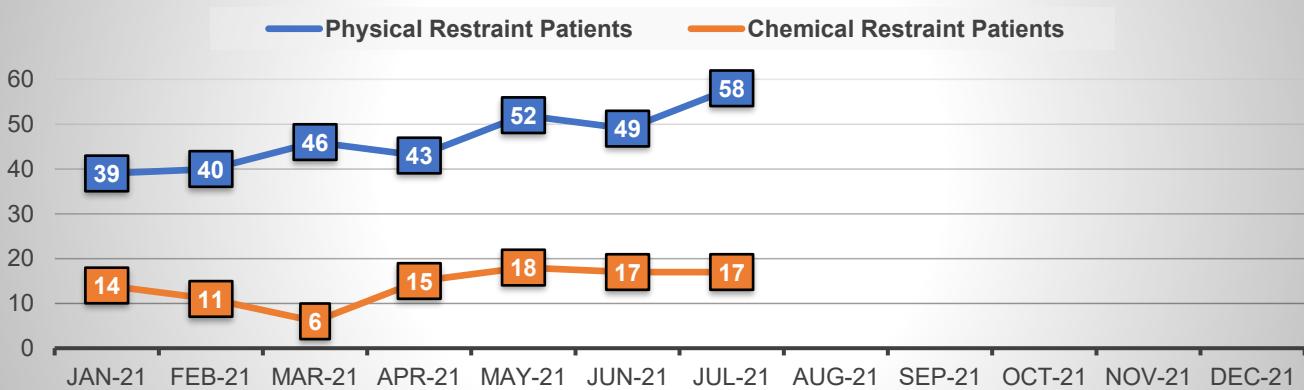
Electrical Therapy Procedures



Hemorrhage Control Procedures

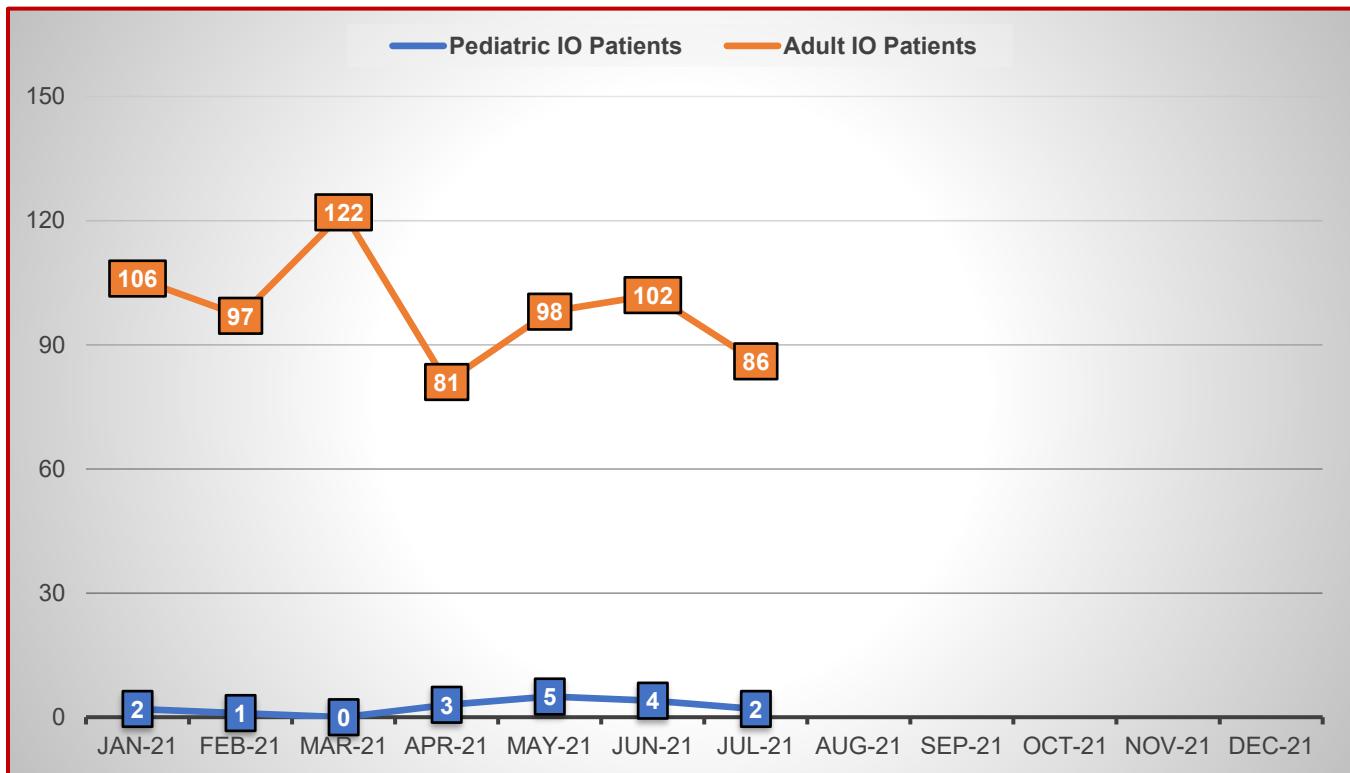


Patient Restraint Procedures



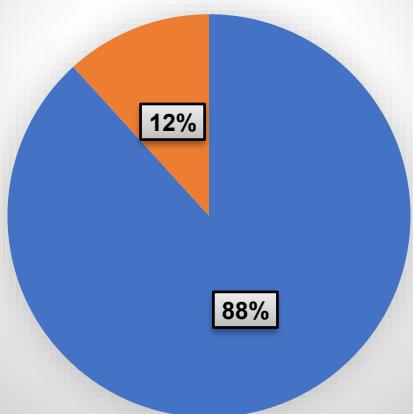


Ground EMS Intraosseous (IO) Procedures



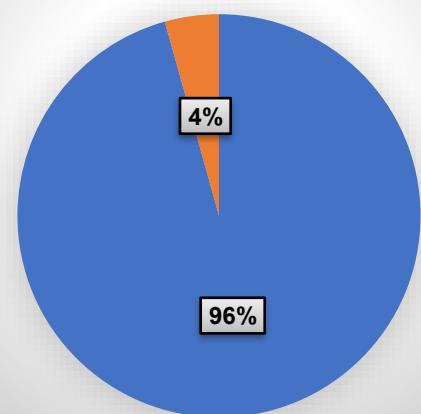
Pediatric IO Success Rate

■ Successful ■ Unsuccessful



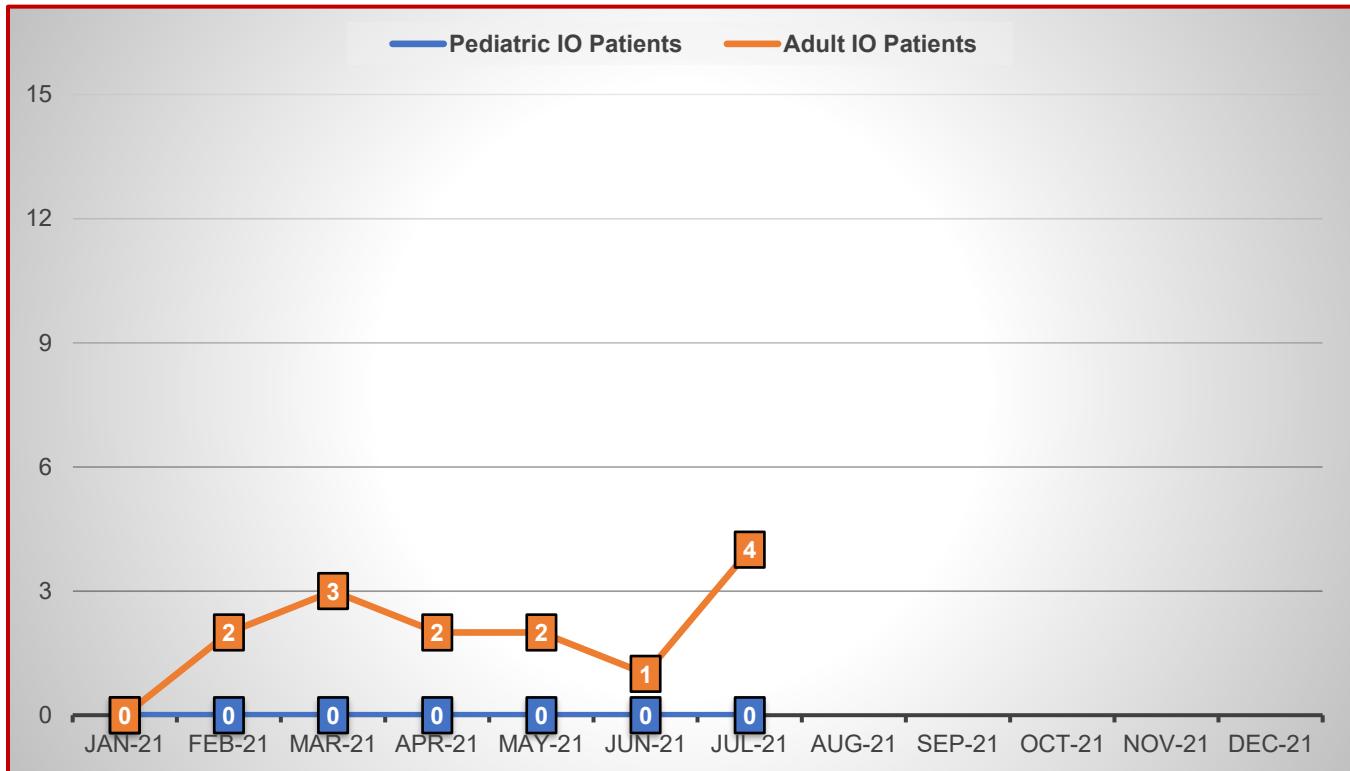
Adult IO Success Rate

■ Successful ■ Unsuccessful





EMS Aircraft Intraosseous (IO) Procedures



Pediatric IO Success Rate

■ Successful ■ Unsuccessful

0%

Adult IO Success Rate

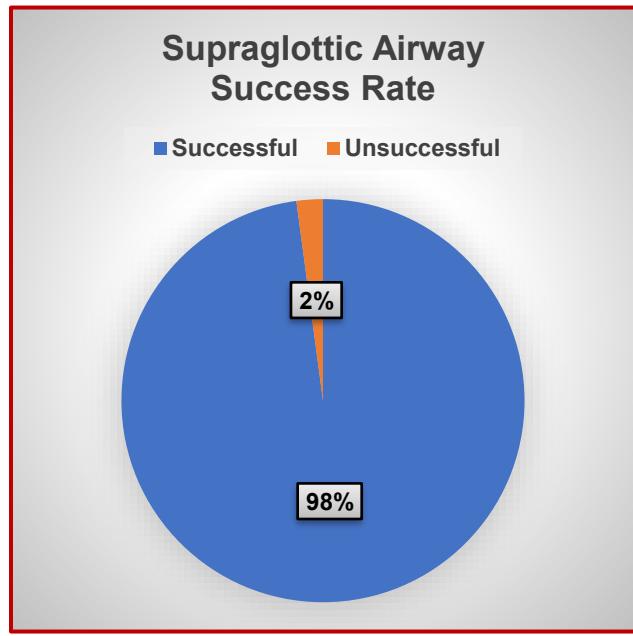
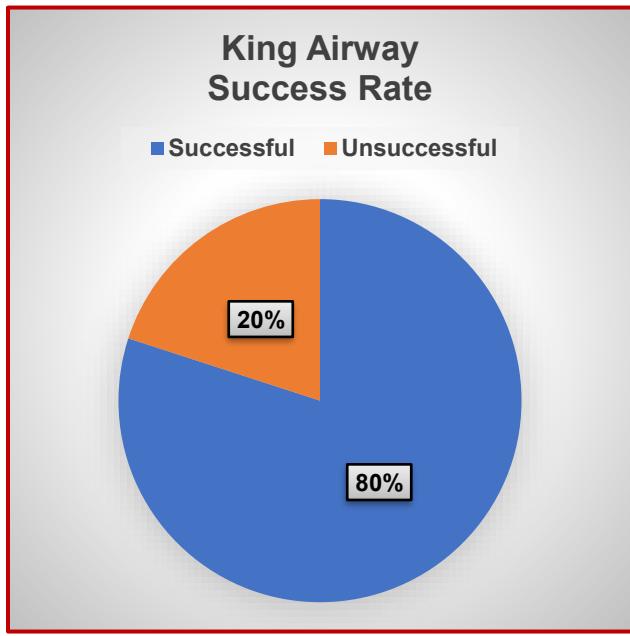
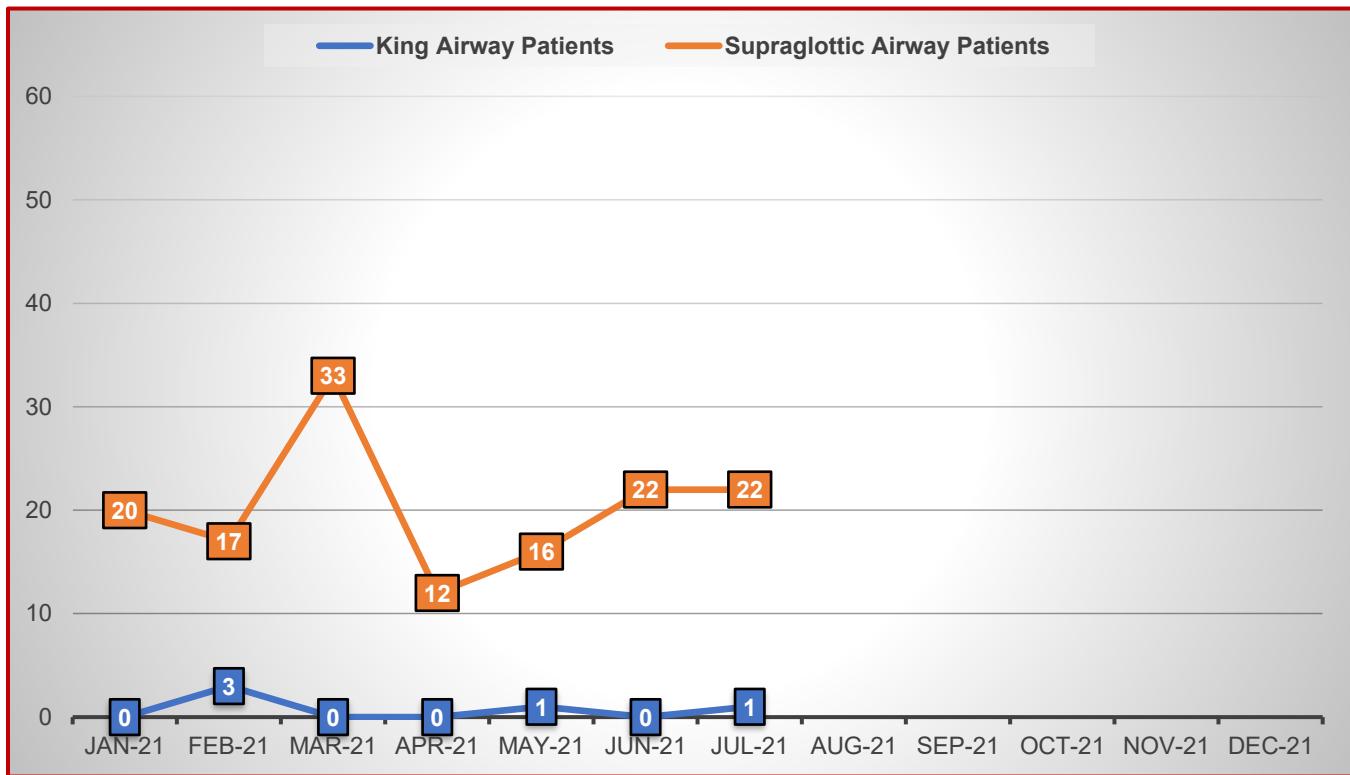
■ Successful ■ Unsuccessful

7%

93%

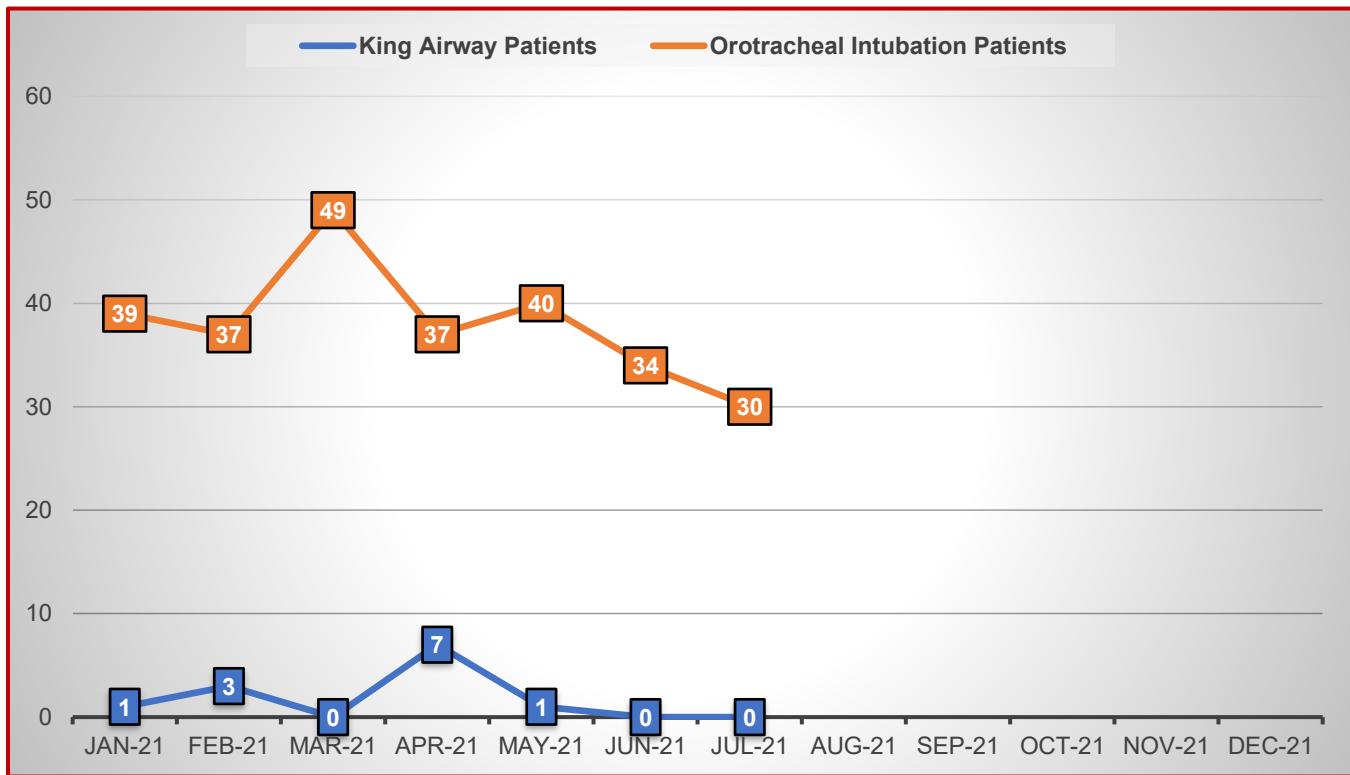


BLS King Airway & Supraglottic Airway Procedures

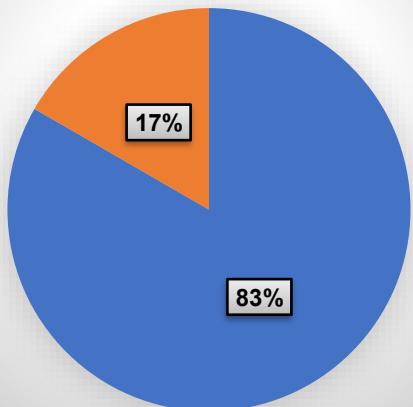




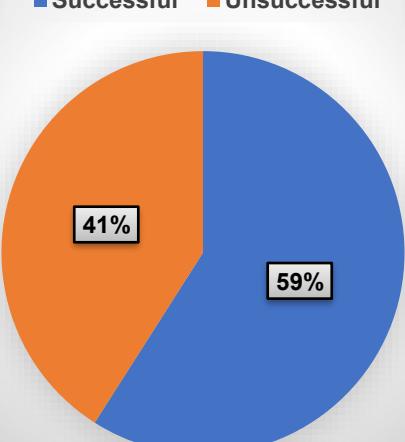
ALS Ground Orotracheal Intubation & King Airway Procedures



King Airway Success Rate
■ Successful ■ Unsuccessful

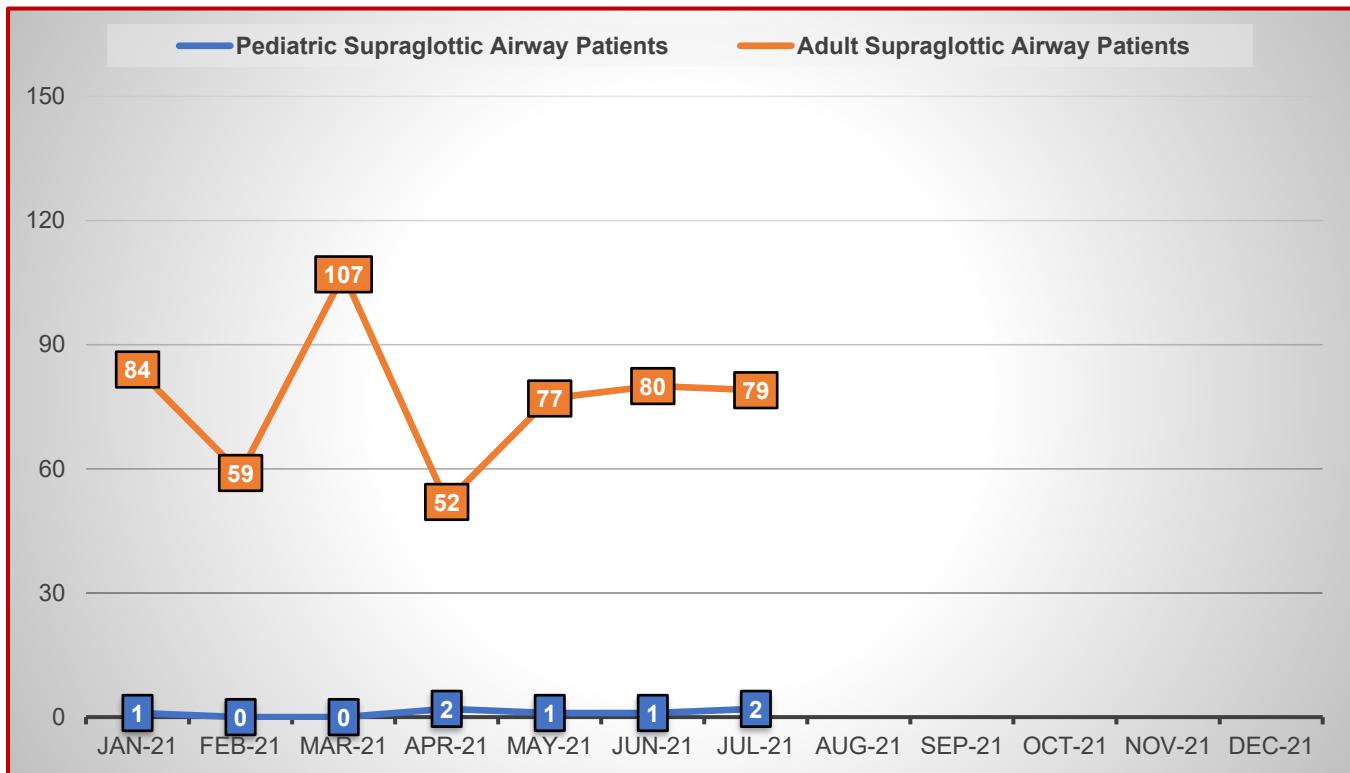


Orotracheal Intubation Success Rate
■ Successful ■ Unsuccessful



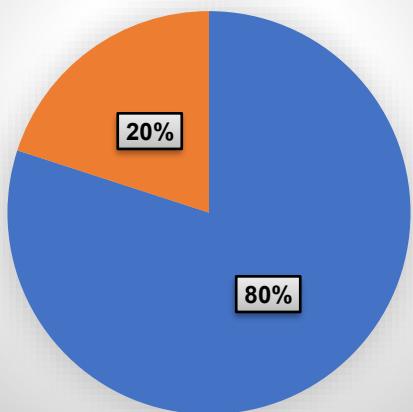


ALS Ground Supraglottic Airway Procedures



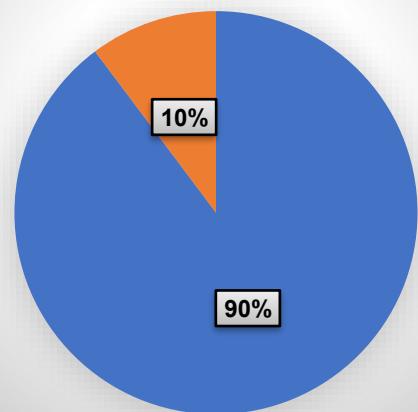
Pediatric Supraglottic Airway Success Rate

■ Successful ■ Unsuccessful



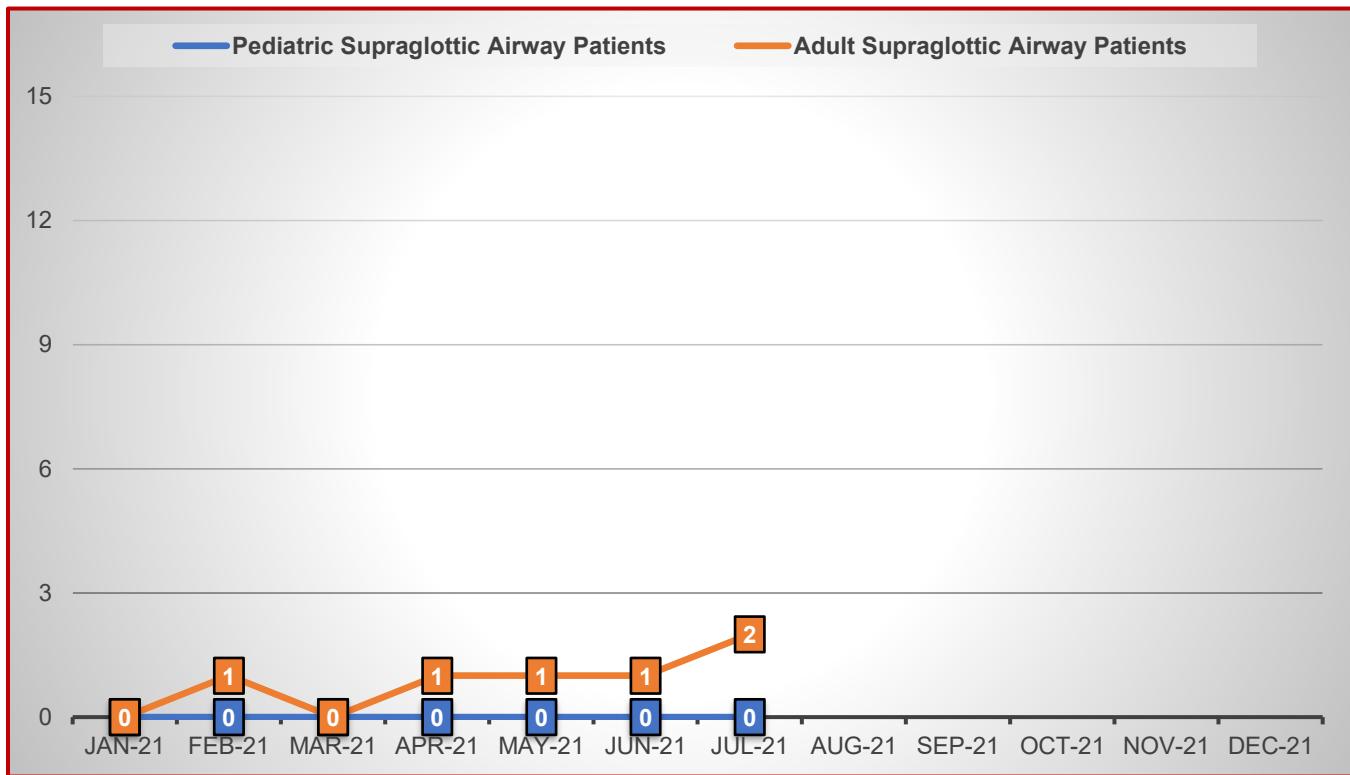
Adult Supraglottic Airway Success Rate

■ Successful ■ Unsuccessful





EMS Aircraft Supraglottic Airway Procedures



Pediatric Supraglottic Airway Success Rate

■ Successful ■ Unsuccessful

0%

Adult Supraglottic Airway Success Rate

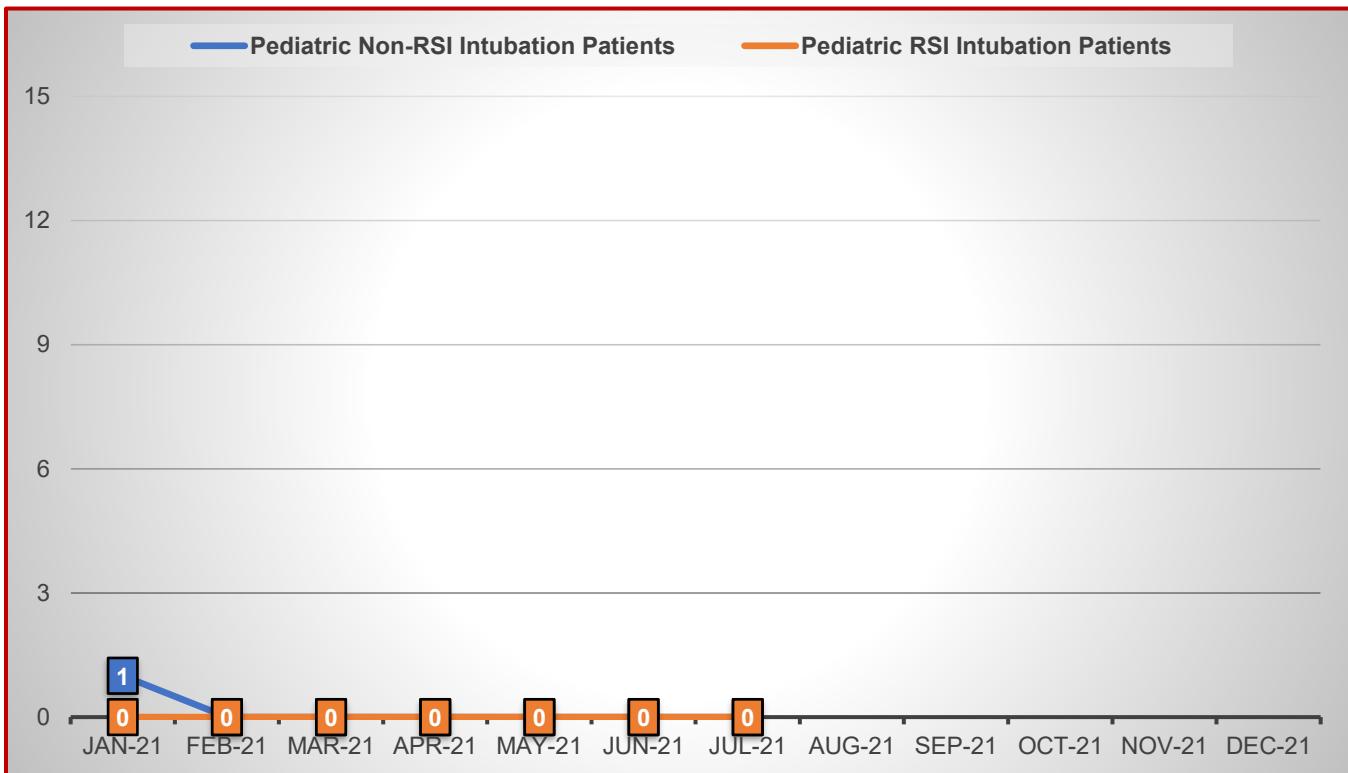
■ Successful ■ Unsuccessful

0%

100%

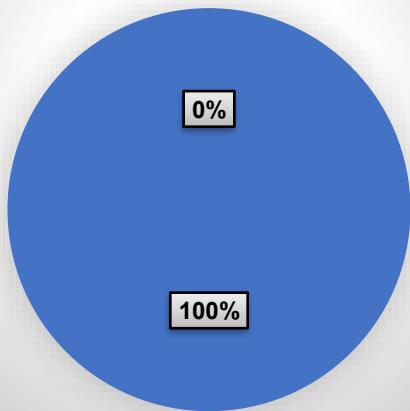


EMS Aircraft Pediatric Orotracheal Intubation Airway Procedures



Pediatric Non-RSI Intubation Success Rate

■ Successful ■ Unsuccessful



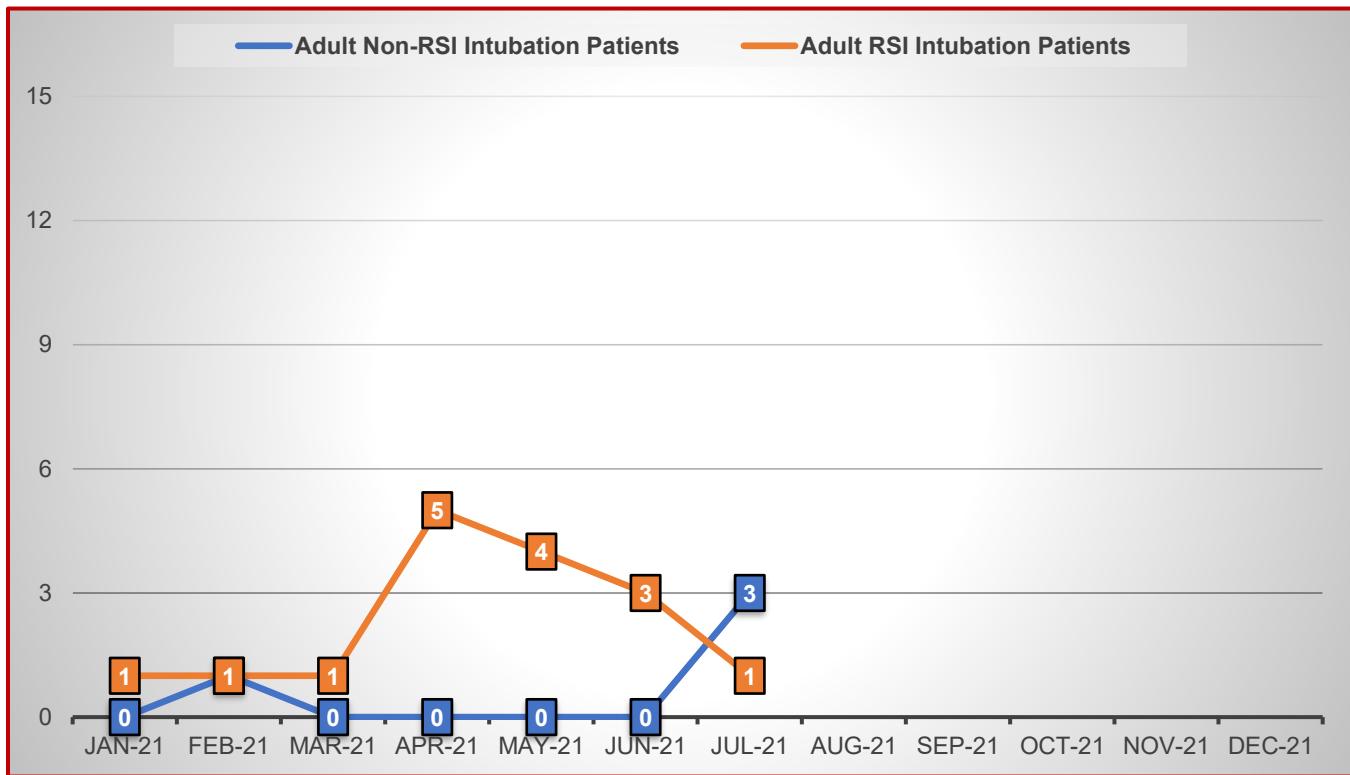
Pediatric RSI Intubation Success Rate

■ Successful ■ Unsuccessful

0%

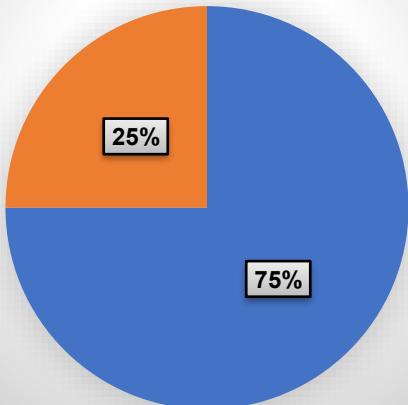


EMS Aircraft Adult Orotracheal Intubation Airway Procedures



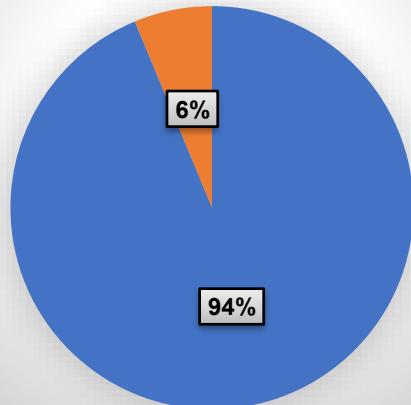
Adult Non-RSI Intubation Success Rate

■ Successful ■ Unsuccessful



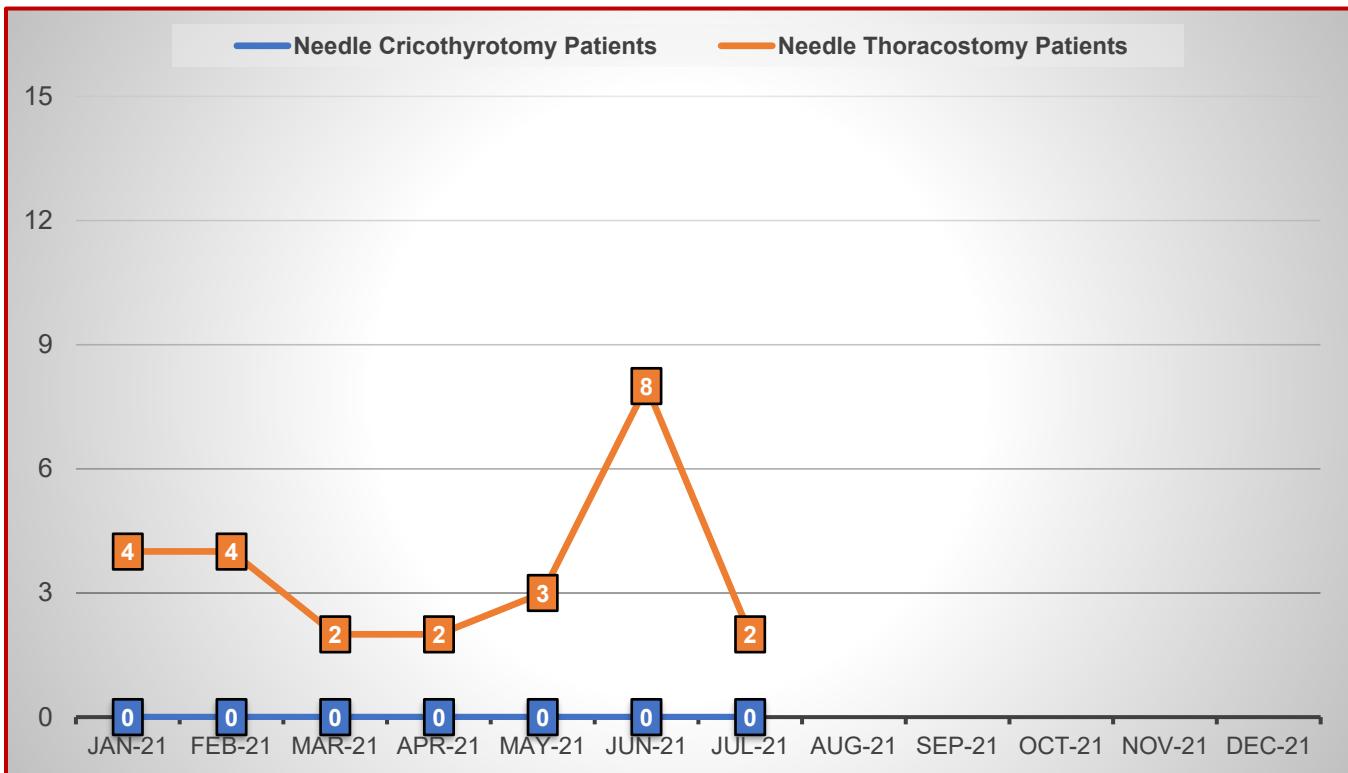
Adult RSI Intubation Success Rate

■ Successful ■ Unsuccessful





ALS Ground Cricothyrotomy & Thoracostomy Procedures



Needle Cricotyotomy Success Rate

■ Successful ■ Unsuccessful

0%

Needle Thoracostomy Success Rate

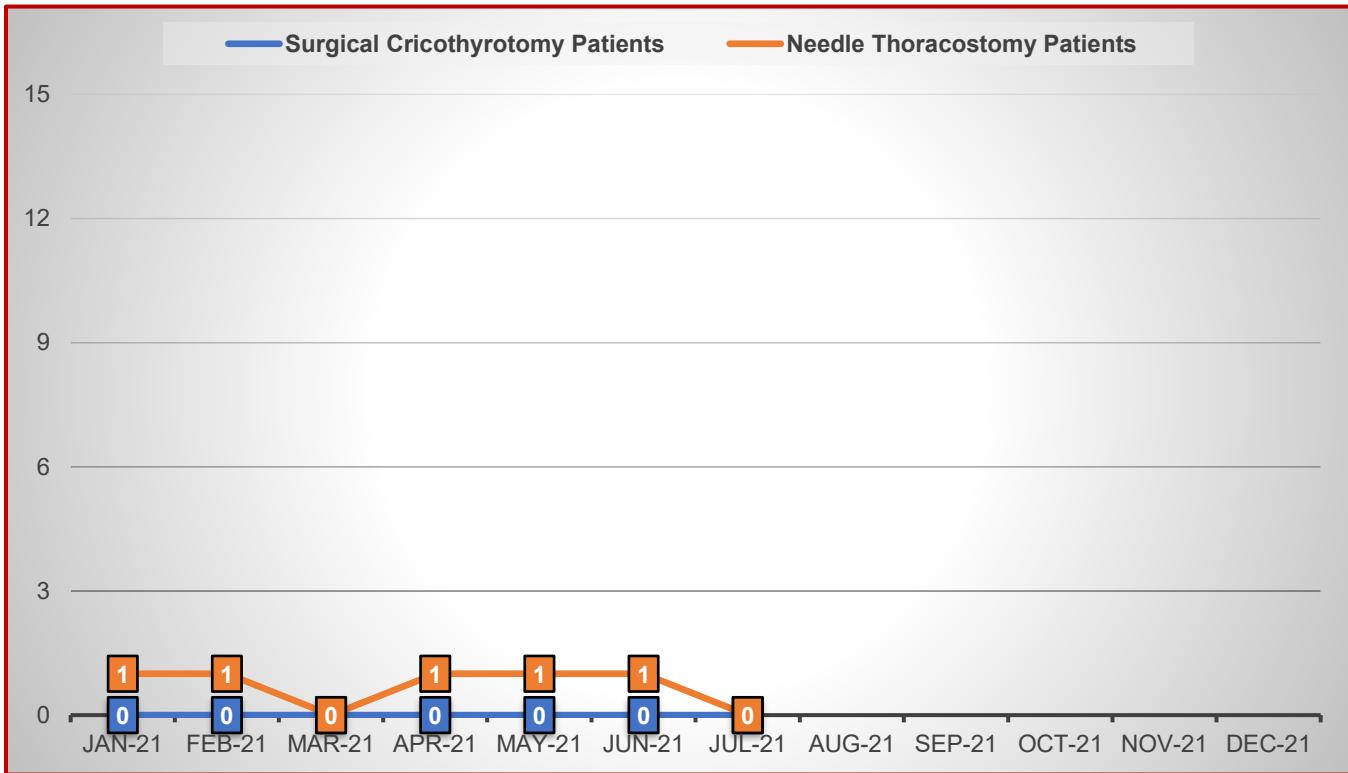
■ Successful ■ Unsuccessful

0%

100%



EMS Aircraft Cricothyrotomy & Thoracostomy Procedures



Surgical Cricothyrotomy Success Rate

■ Successful ■ Unsuccessful

0%

Needle Thoracostomy Success Rate

■ Successful ■ Unsuccessful

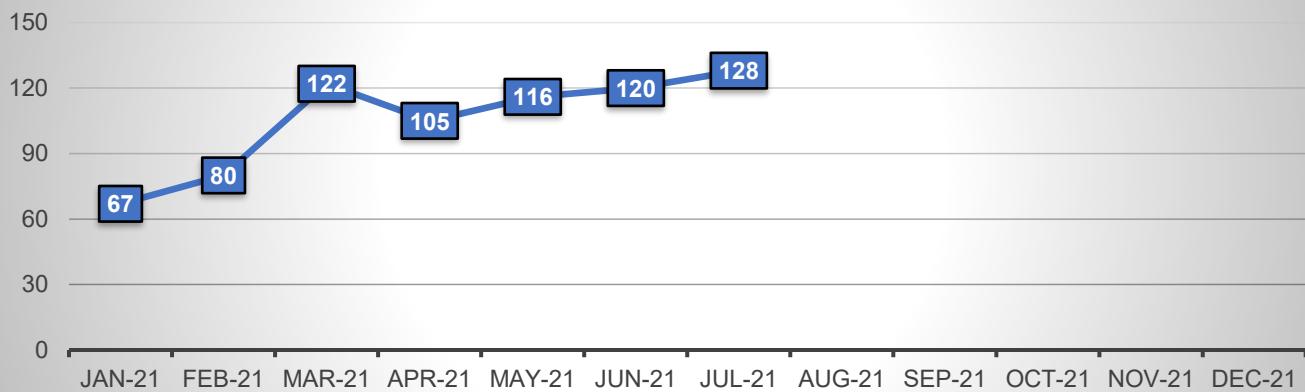
0%

100%

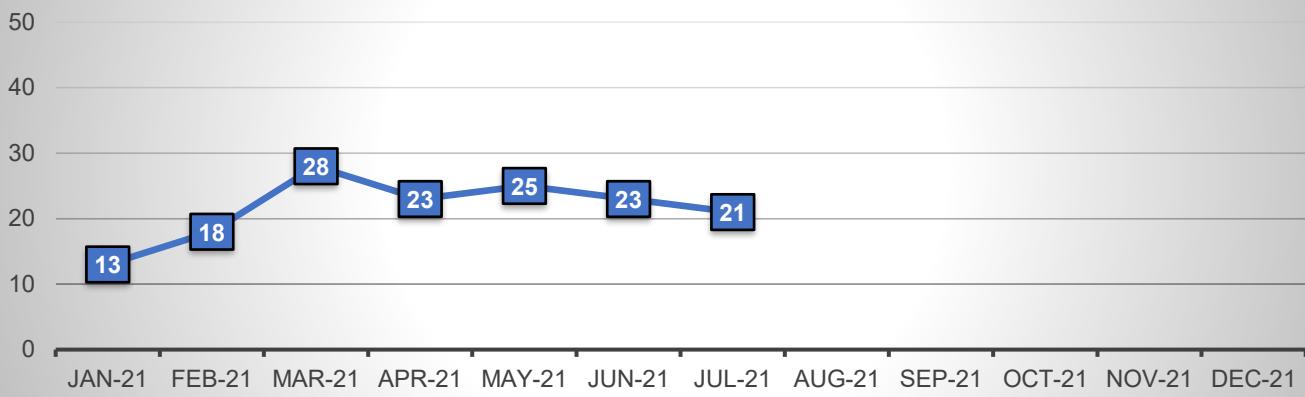


EMS Naloxone Utilization

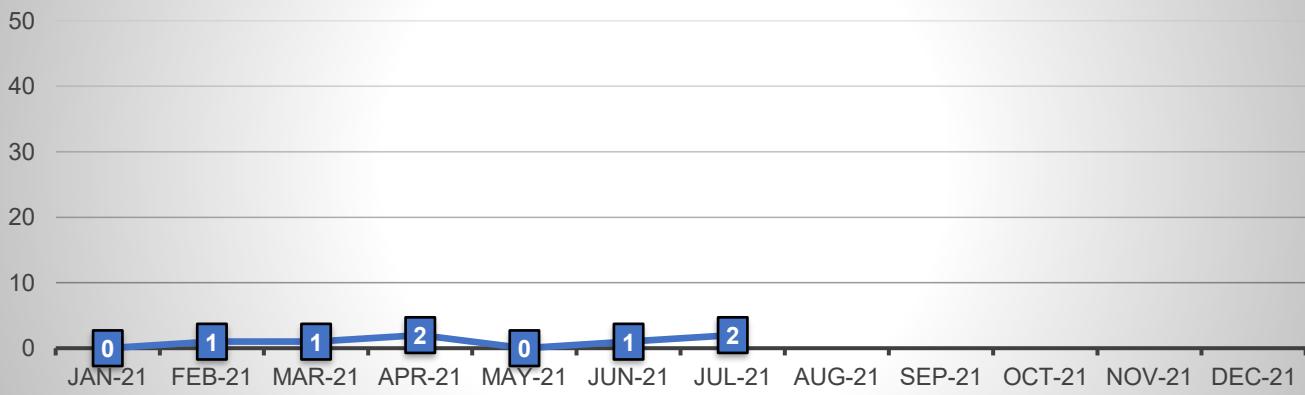
911 EMS Naloxone Administration Patients - S-SV EMS Region



911 EMS Naloxone Administration Patients - Butte County



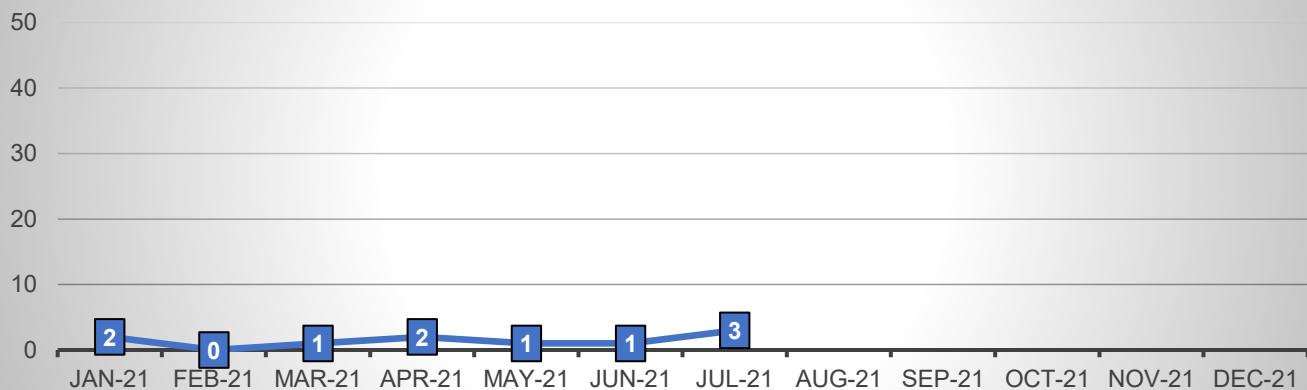
911 EMS Naloxone Administration Patients - Colusa County



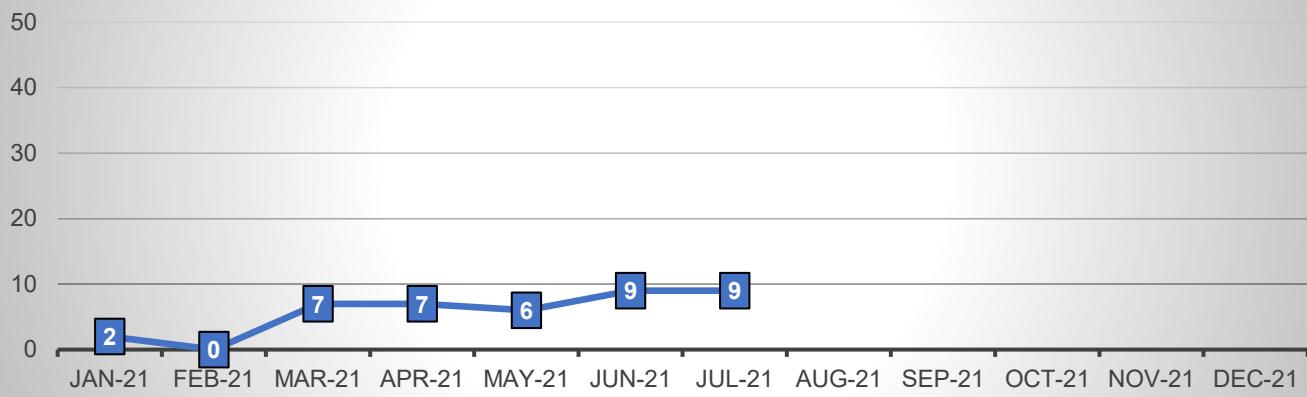


EMS Naloxone Utilization

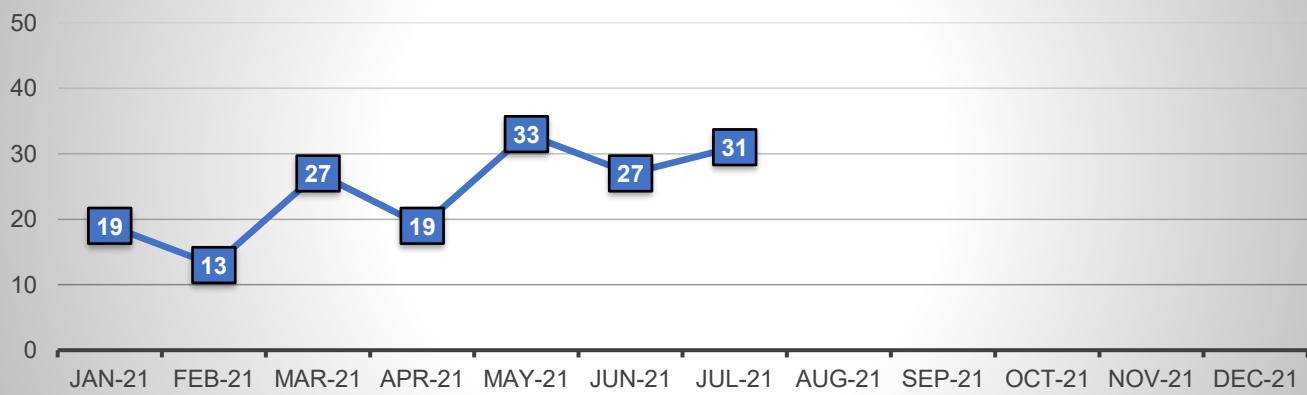
911 EMS Naloxone Administration Patients - Glenn County



911 EMS Naloxone Administration Patients - Nevada County



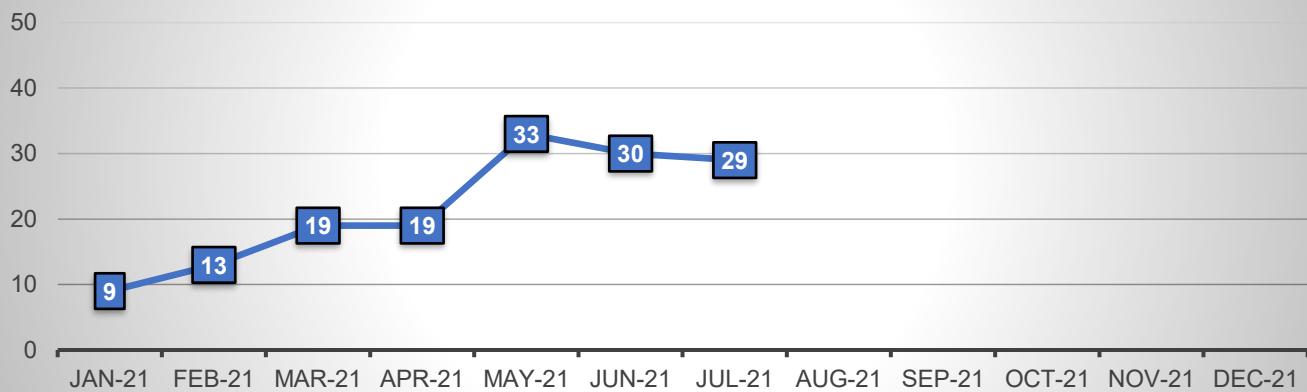
911 EMS Naloxone Administration Patients - Placer County



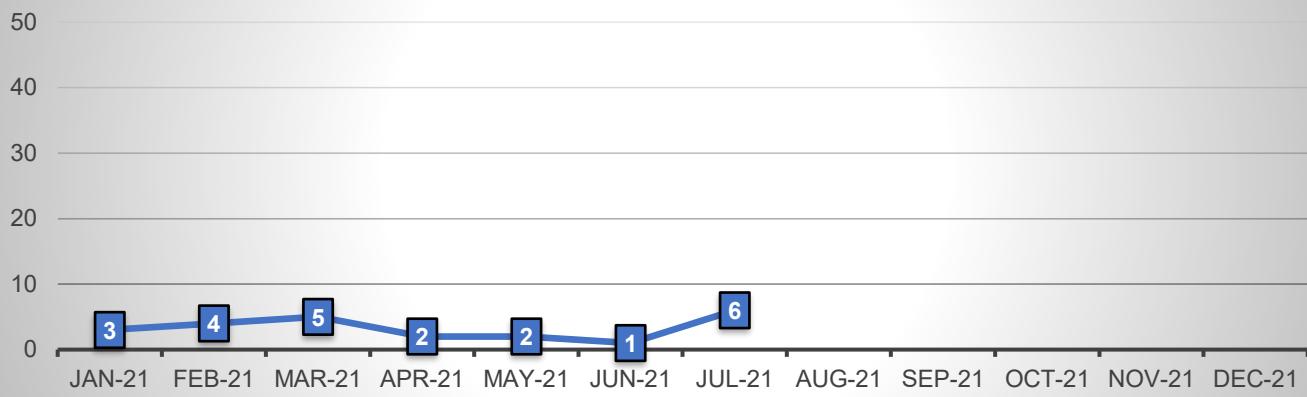


EMS Naloxone Utilization

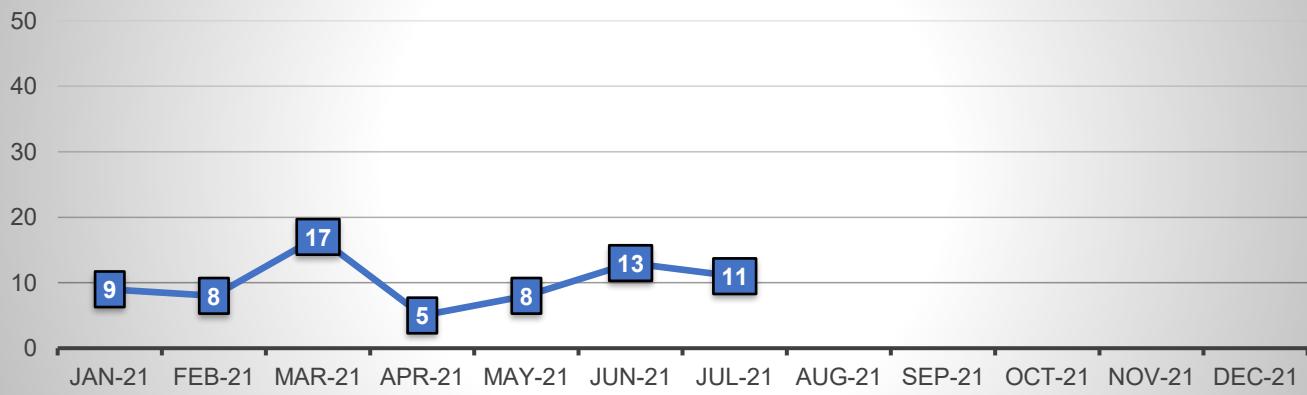
911 EMS Naloxone Administration Patients - Shasta County



911 EMS Naloxone Administration Patients - Siskiyou County



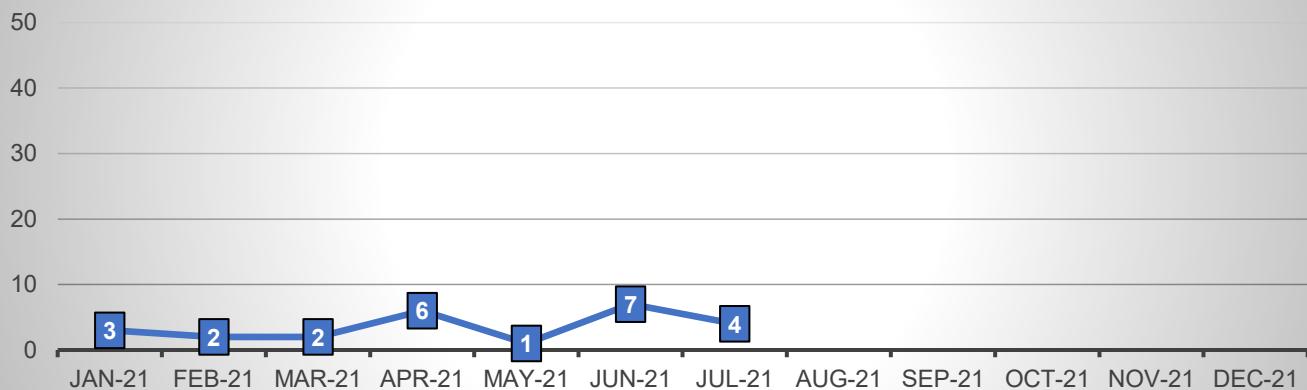
911 EMS Naloxone Administration Patients - Sutter County



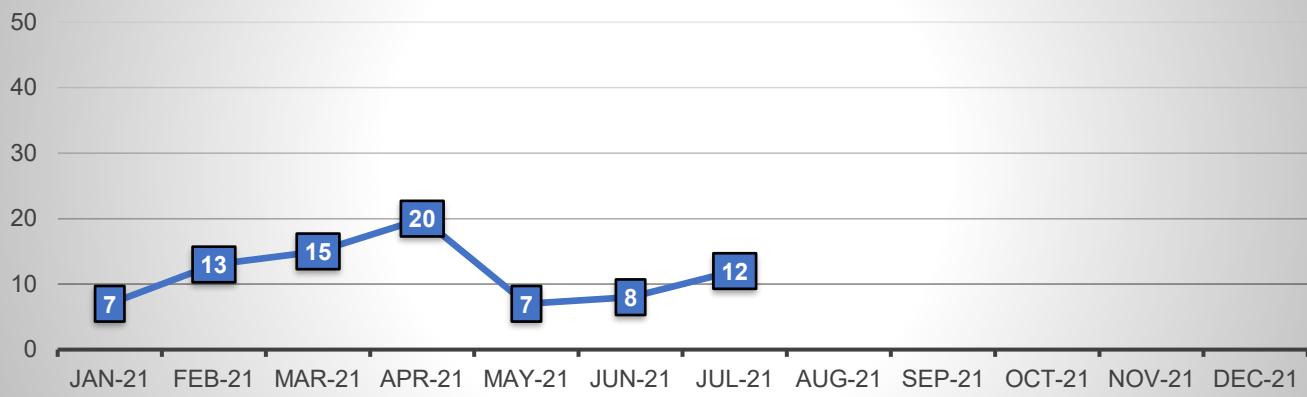


EMS Naloxone Utilization

911 EMS Naloxone Administration Patients - Tehama County



911 EMS Naloxone Administration Patients - Yuba County





Ambulance Patient Offload Time (APOT) General Information



Ambulance Patient Offload Time (APOT) Definition – The time interval between the arrival of an ambulance patient at a hospital emergency department (ED), and the time the patient is transferred to the ED gurney, bed, chair or other acceptable location and the ED assumes full responsibility for care of the patient. The following NEMSIS Version 3.4 data elements, descriptions and calculations (as documented on the legal electronic patient care report by EMS personnel) are utilized to determine/report the APOT data:

NEMSIS Data Element	Data Element Description	S-SV EMS Criteria/Calculation
dAgency.03	Agency Name	All S-SV EMS 911 Transport Providers
eResponse.05	Response Type of Service Requested	911 Response (Scene)
eDisposition.12	Incident/Patient Disposition	Treated, Transported by EMS
eDisposition.01	Destination/Transferred to, Name	All S-SV EMS Jurisdiction Hospitals
eTimes.11 eTimes.12	Pt Arrived at Destination Date/Time Destination Pt Transfer of Care Date/Time	Calculation = Difference (Minutes) Between eTimes.11 & eTimes.12

APOT Measures

- APOT 1.1** – An ambulance patient offload time interval measure. This metric is a continuous variable measured in minutes, aggregated and reported as a median.
- APOT 1.2** – An ambulance patient offload time interval measure. This metric is a continuous variable measured in minutes, aggregated and reported as a 90th percentile.
- APOT 2** – An ambulance patient offload time interval process measure. This metric demonstrates the incidence of ambulance patient offload times expressed as a percentage of total EMS patients within a 20 minute target, and exceeding that time in reference to 60, 120 & 180 minute intervals.

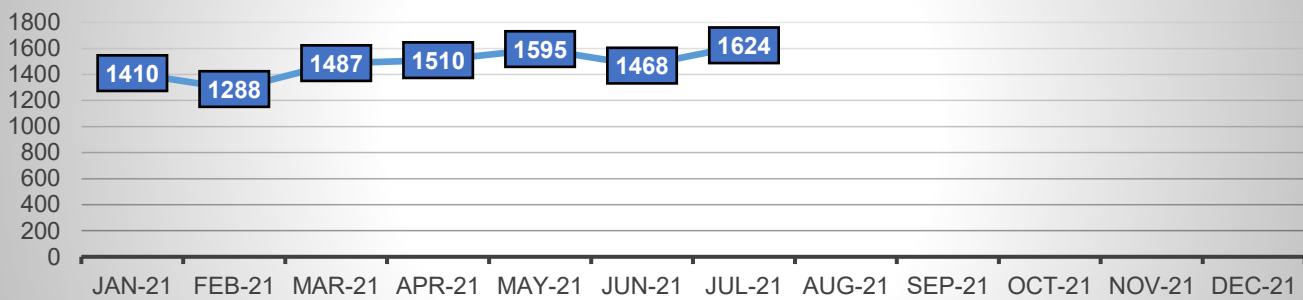
APOT Charts/Graphs Color Key Definitions

- █ Total Number of 911 patient transports for the reporting month
- █ Meets APOT Standard (All APOT measures: ≤20 minutes)
- █ Exceeds APOT Standard (APOT 1.1 & 1.2: 21-30 minutes, APOT 2: 21-60 minutes)
- █ Significantly Exceeds APOT Standard (APOT 1.1 & 1.2: >30 minutes, APOT 2: >60 minutes)

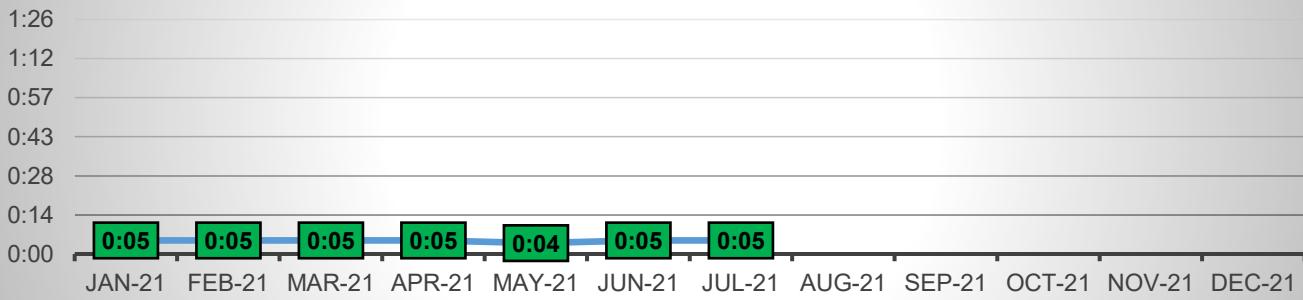


Adventist Health +Rideout APOT

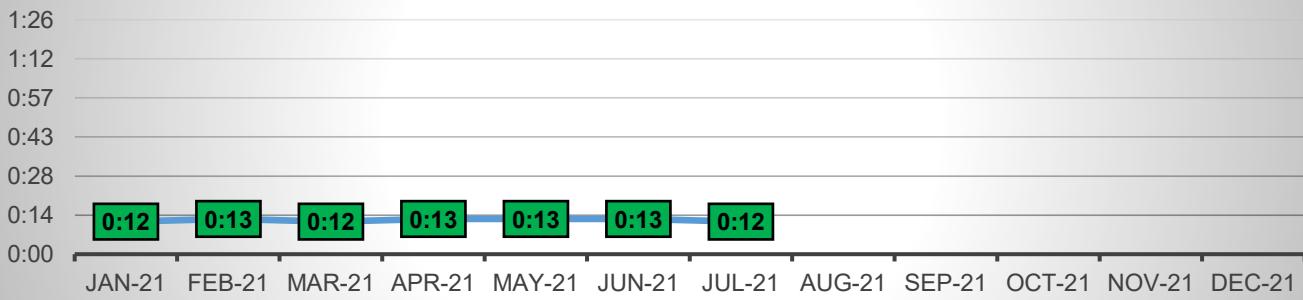
911 Transport Patient Count



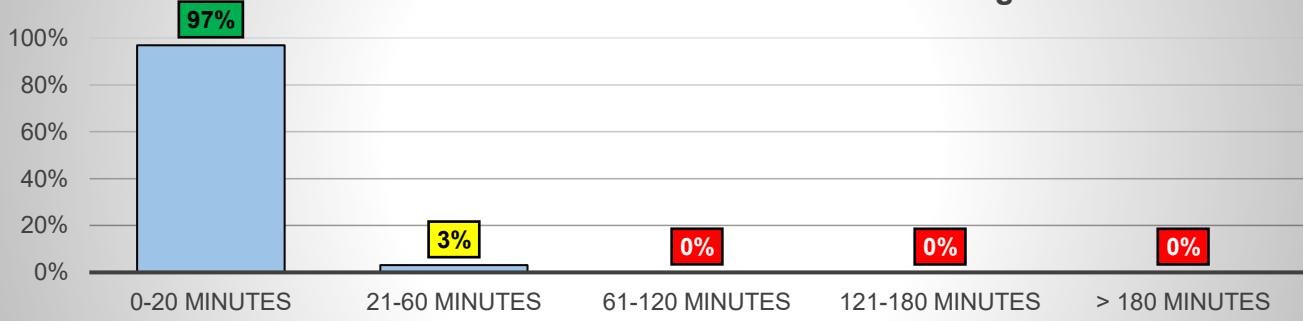
APOT 1.1 - Median Patient Offload Time (H:MM)



APOT 1.2 - 90th Percentile Patient Offload Time (H:MM)



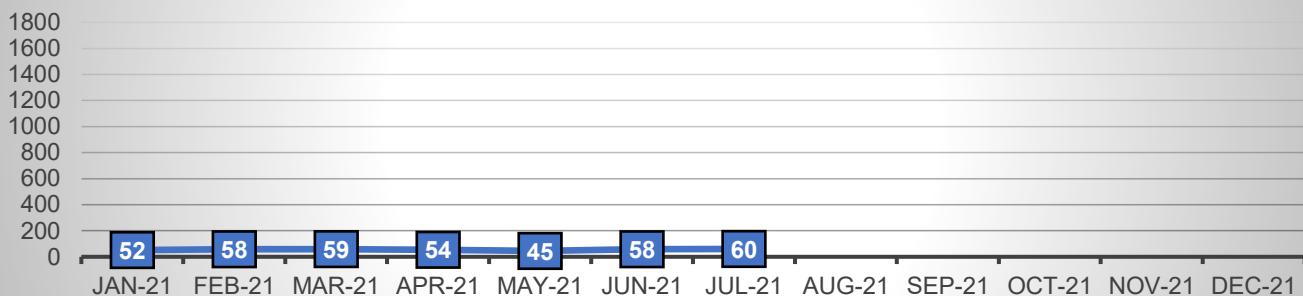
APOT 2 - Patient Offload Time Interval Percentages



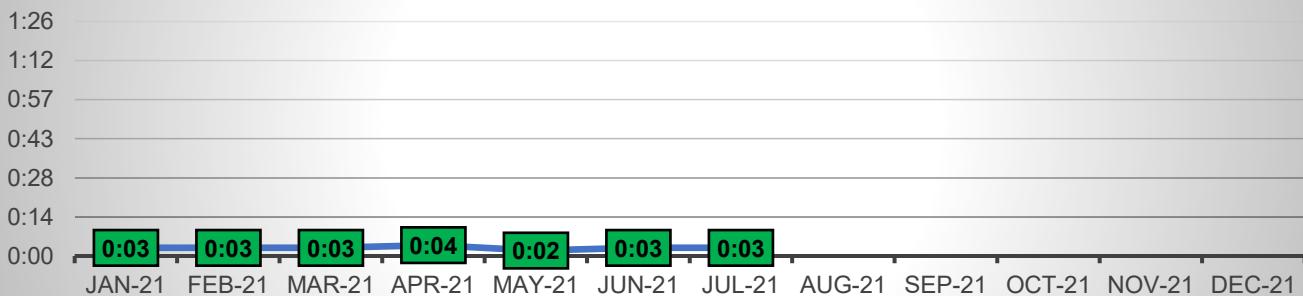


Colusa Medical Center APOT

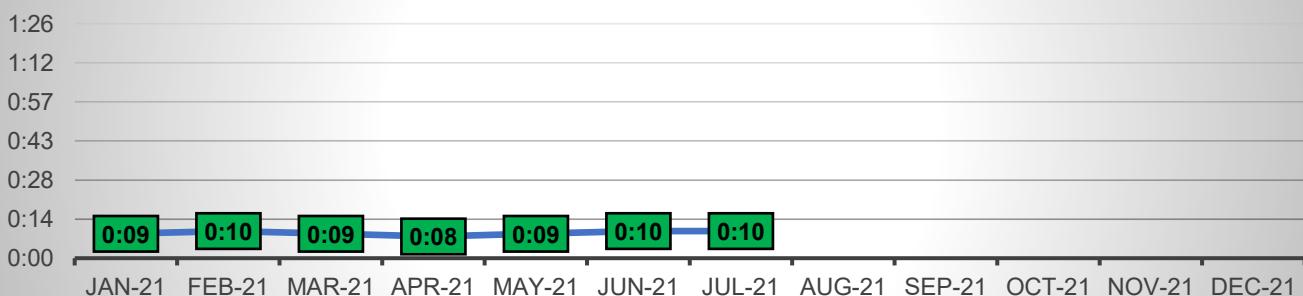
911 Transport Patient Count



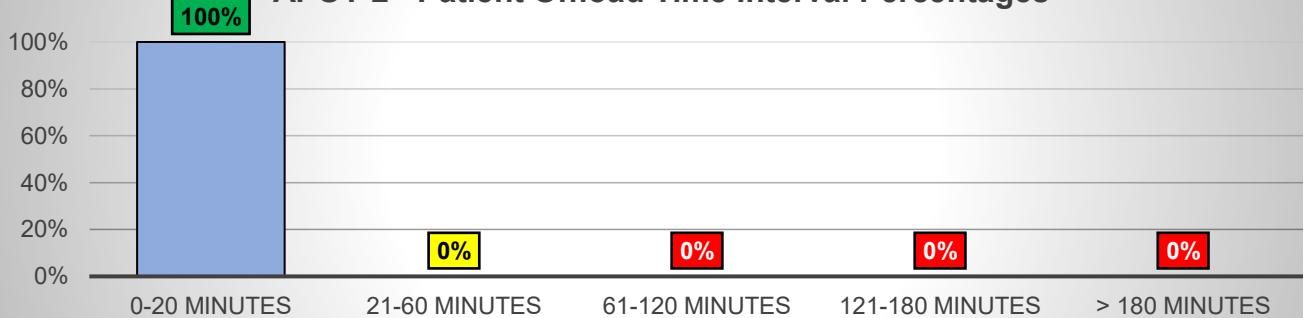
APOT 1.1 - Median Patient Offload Time (H:MM)



APOT 1.2 - 90th Percentile Patient Offload Time (H:MM)



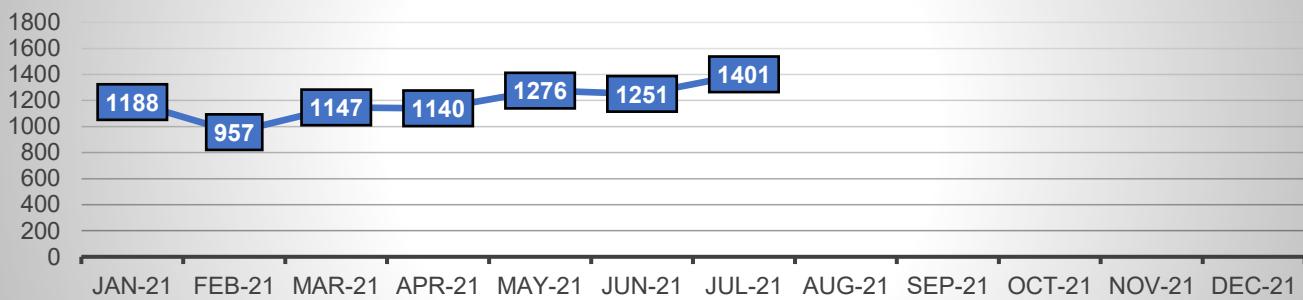
APOT 2 - Patient Offload Time Interval Percentages



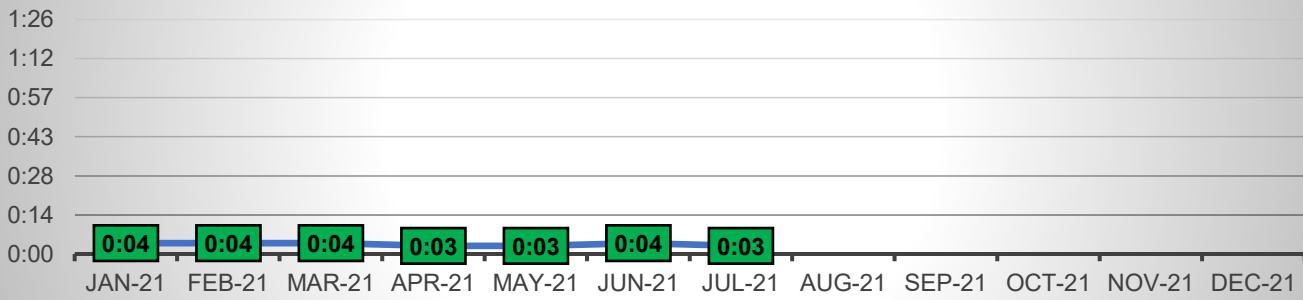


Enloe Medical Center APOT

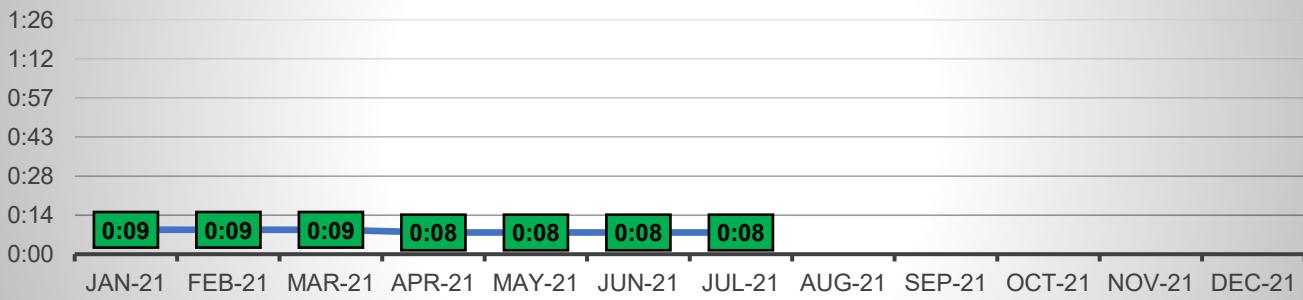
911 Transport Patient Count



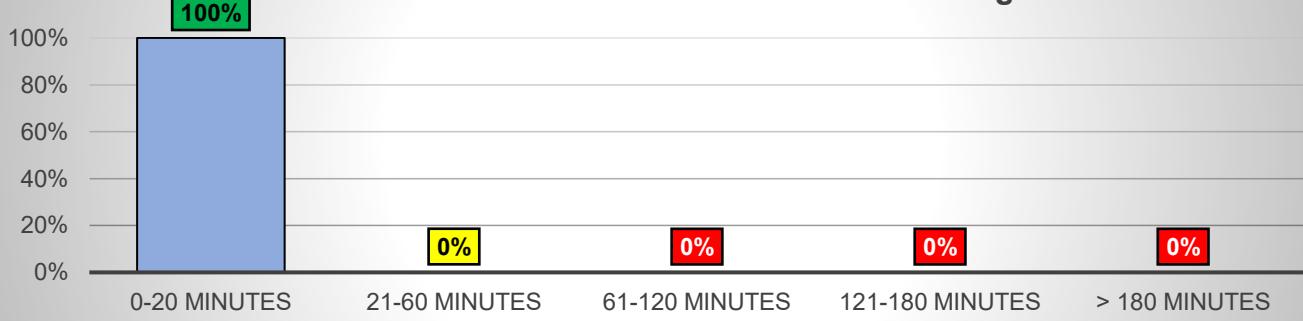
APOT 1.1 - Median Patient Offload Time (H:MM)



APOT 1.2 - 90th Percentile Patient Offload Time (H:MM)



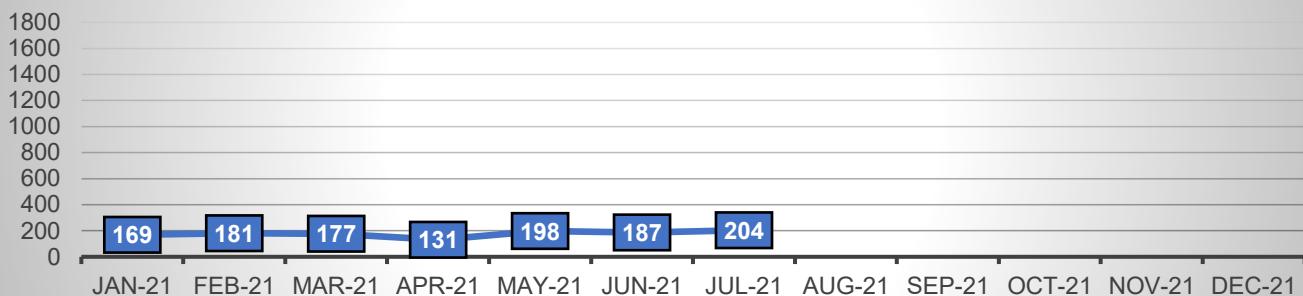
APOT 2 - Patient Offload Time Interval Percentages



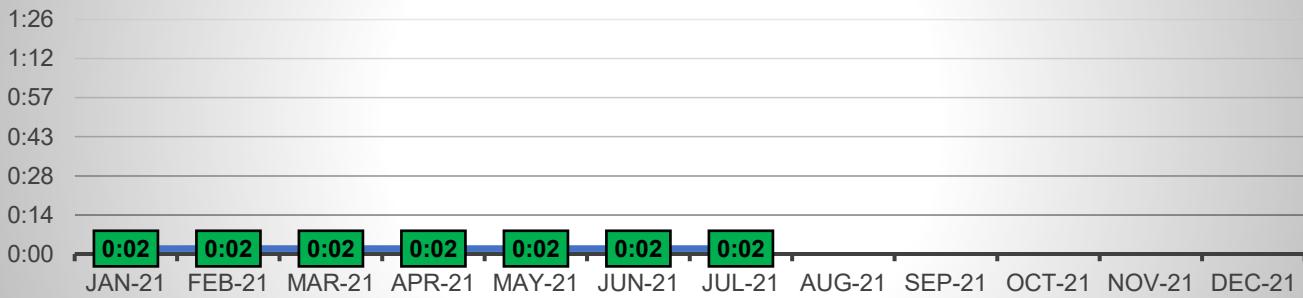


Fairchild Medical Center APOT

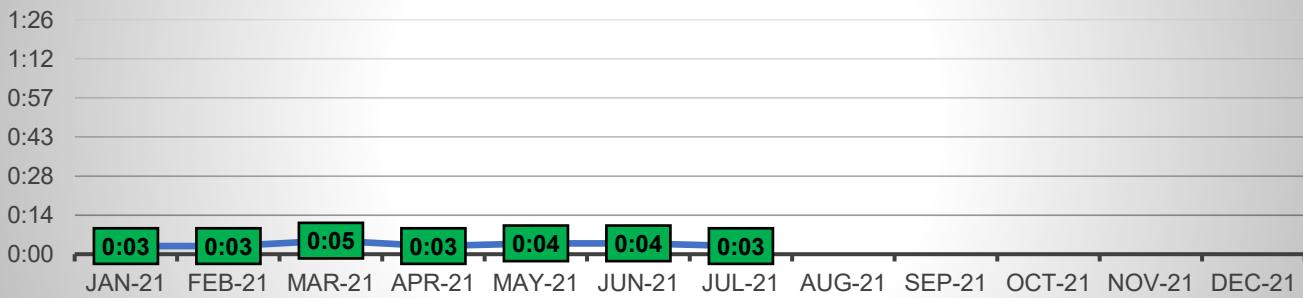
911 Transport Patient Count



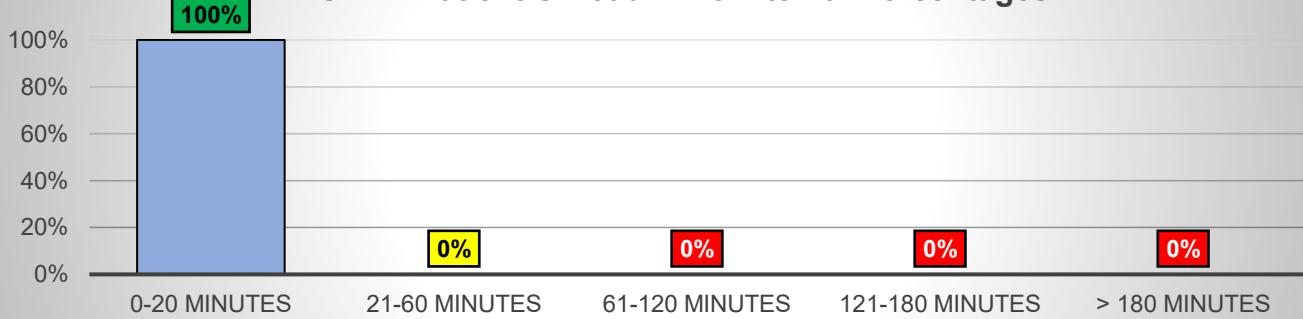
APOT 1.1 - Median Patient Offload Time (H:MM)



APOT 1.2 - 90th Percentile Patient Offload Time (H:MM)



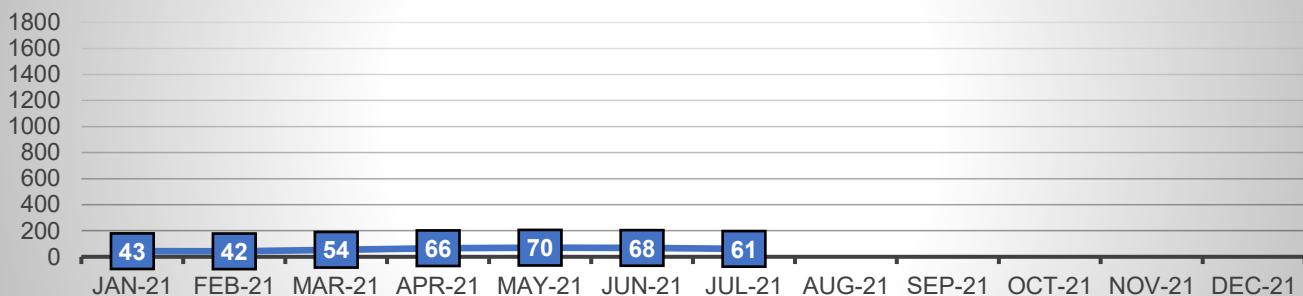
APOT 2 - Patient Offload Time Interval Percentages



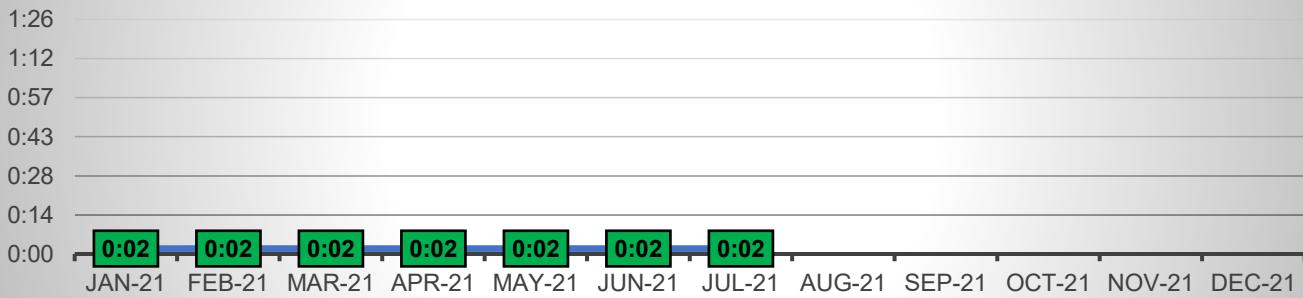


Glenn Medical Center APOT

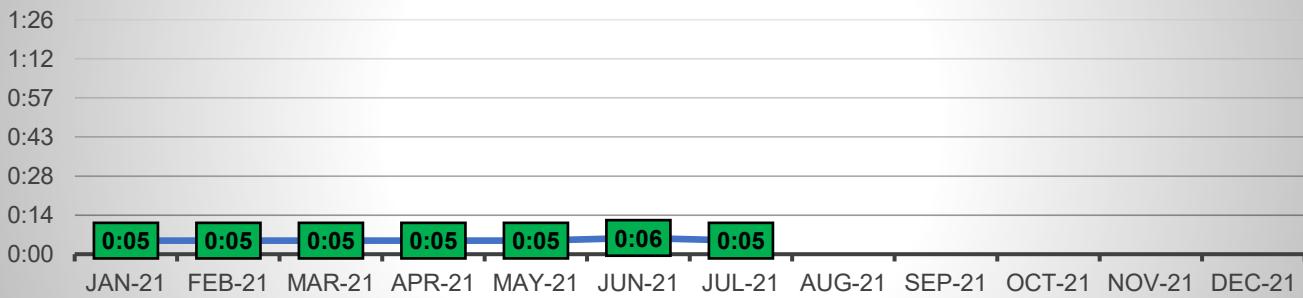
911 Transport Patient Count



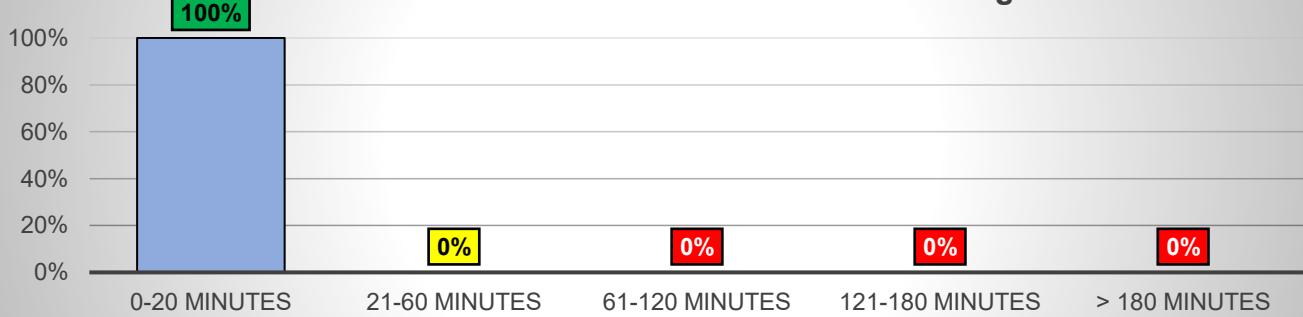
APOT 1.1 - Median Patient Offload Time (H:MM)



APOT 1.2 - 90th Percentile Patient Offload Time (H:MM)



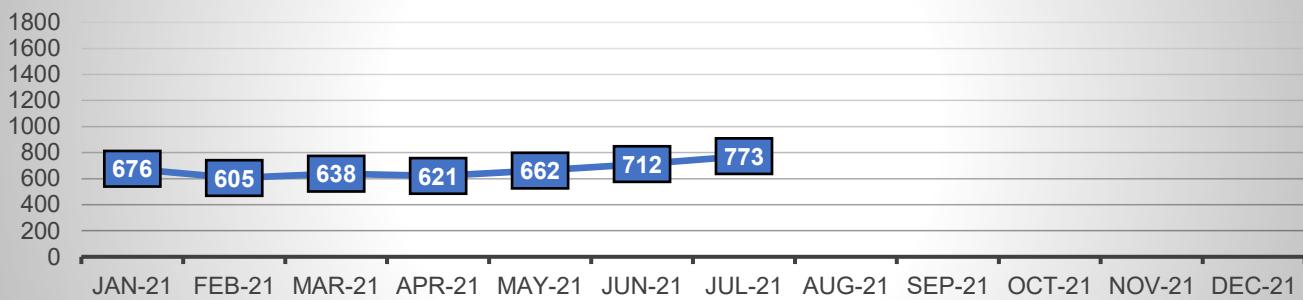
APOT 2 - Patient Offload Time Interval Percentages



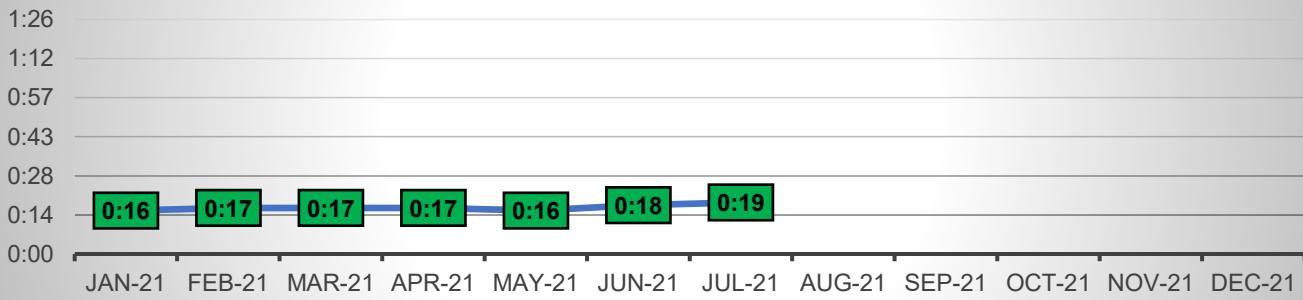


Kaiser Roseville Medical Center APOT

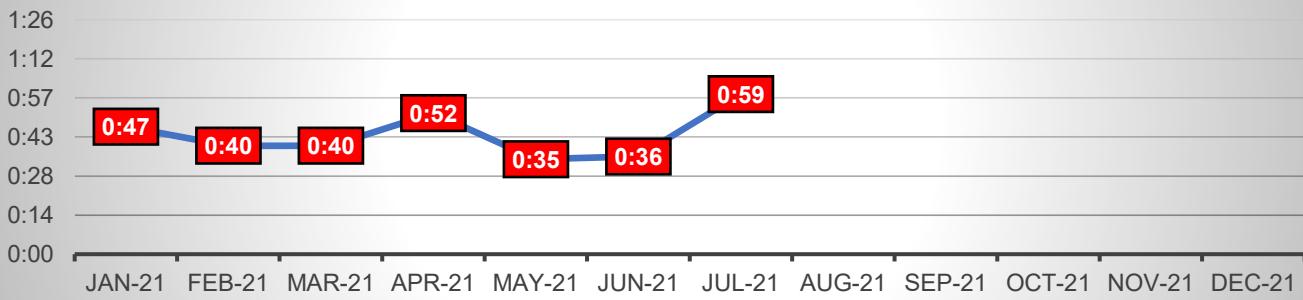
911 Transport Patient Count



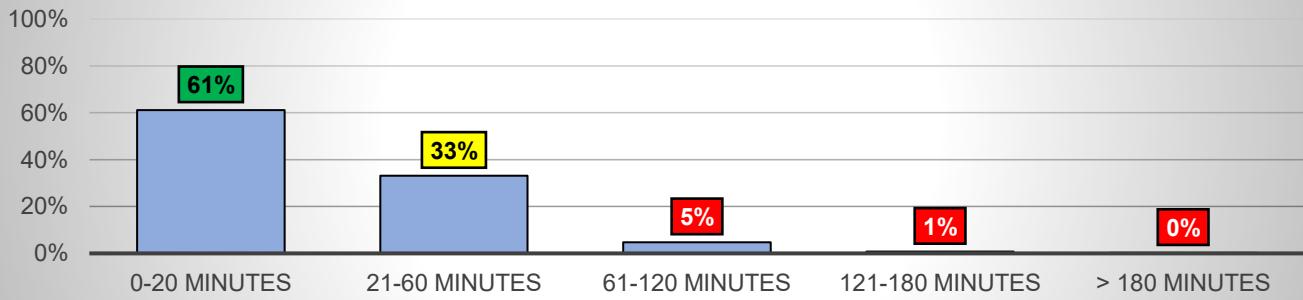
APOT 1.1 - Median Patient Offload Time (H:MM)



APOT 1.2 - 90th Percentile Patient Offload Time (H:MM)



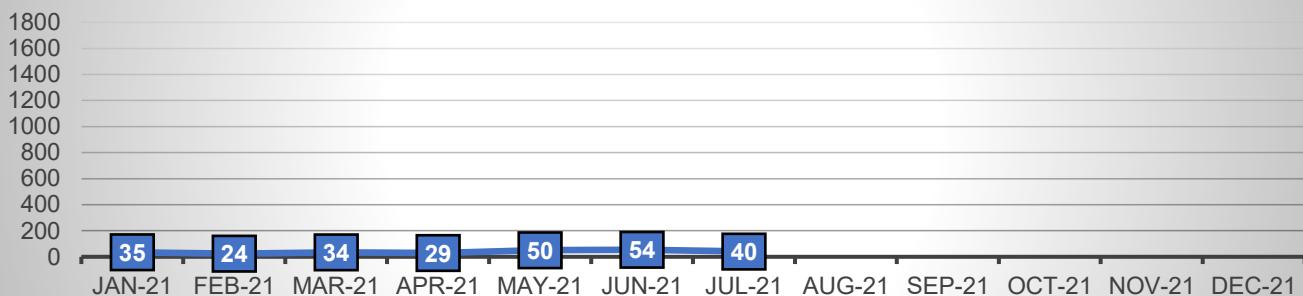
APOT 2 - Patient Offload Time Interval Percentages



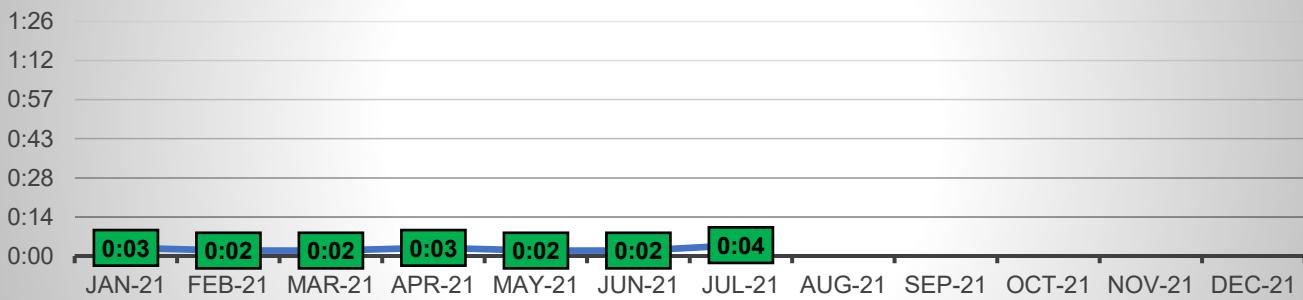


Mayers Memorial Hospital APOT

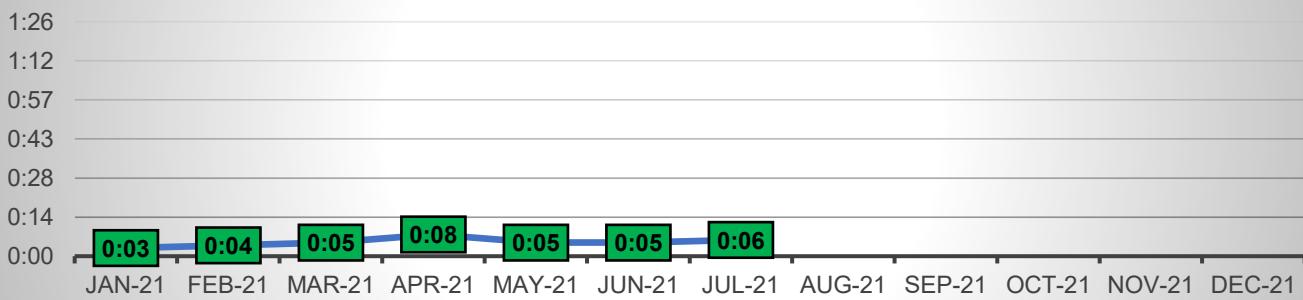
911 Transport Patient Count



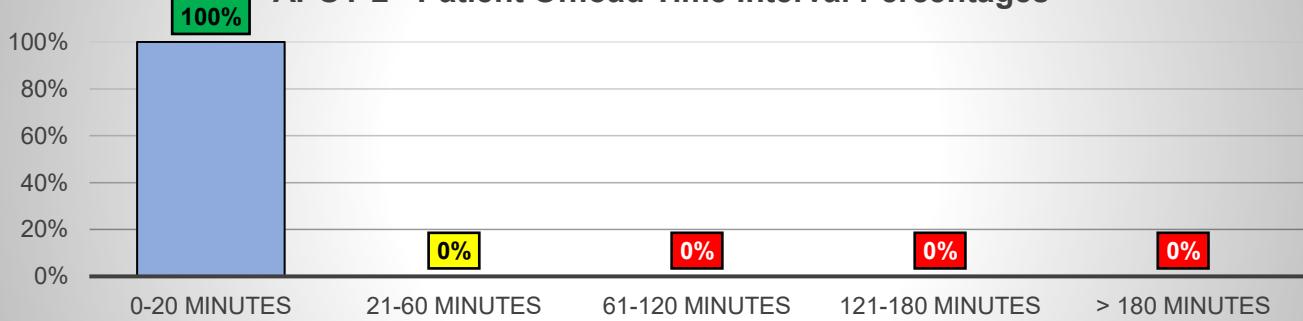
APOT 1.1 - Median Patient Offload Time (H:MM)



APOT 1.2 - 90th Percentile Patient Offload Time (H:MM)



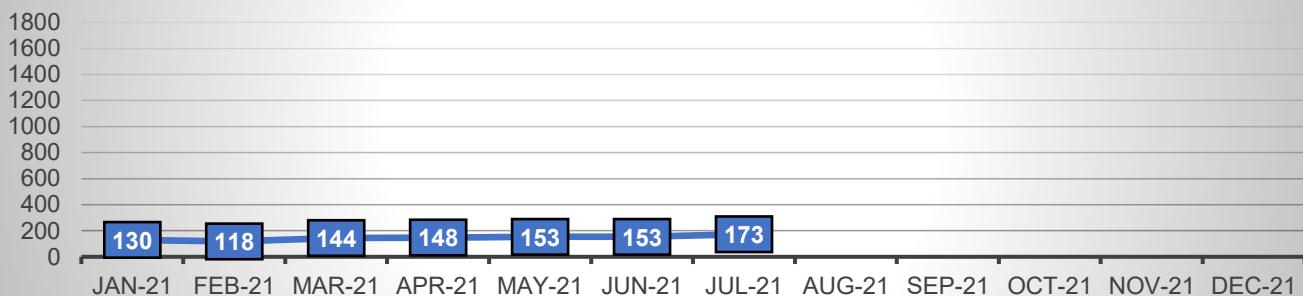
APOT 2 - Patient Offload Time Interval Percentages



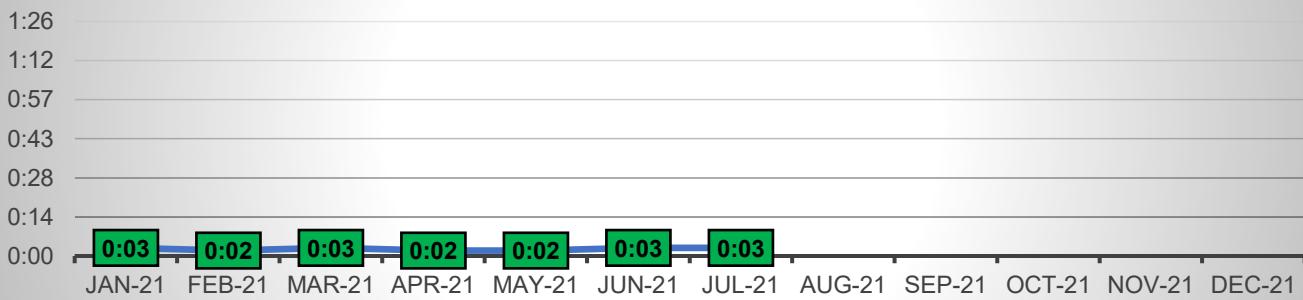


Mercy Mt. Shasta Medical Center APOT

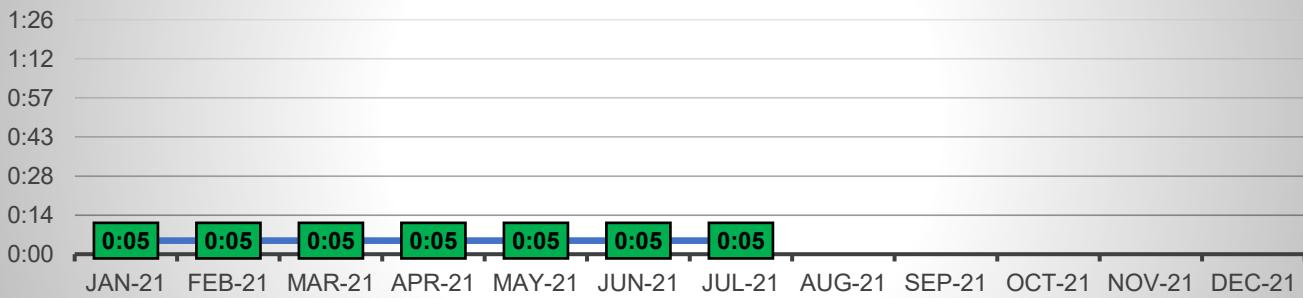
911 Transport Patient Count



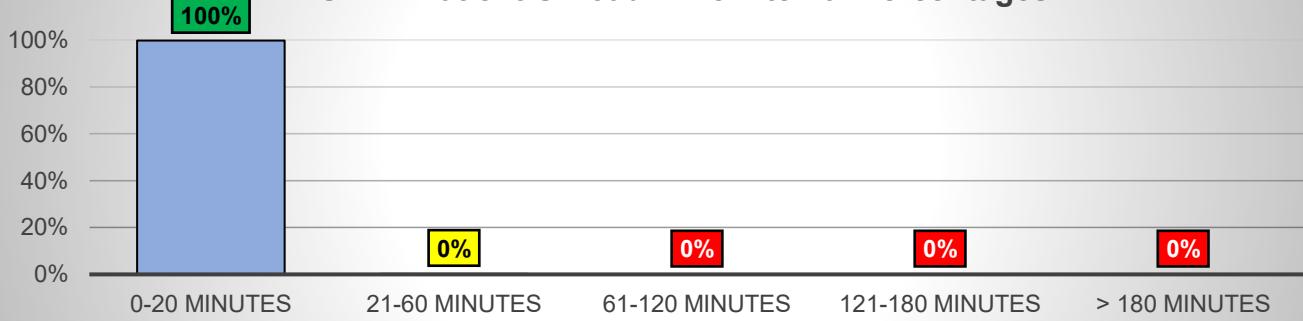
APOT 1.1 - Median Patient Offload Time (H:MM)



APOT 1.2 - 90th Percentile Patient Offload Time (H:MM)



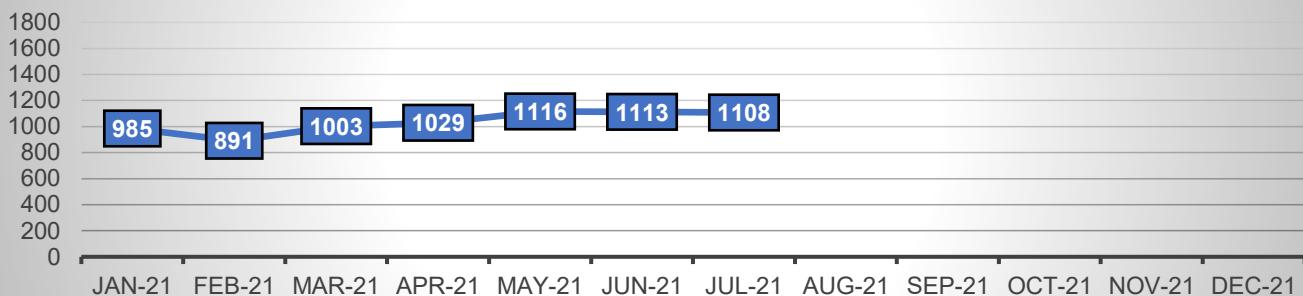
APOT 2 - Patient Offload Time Interval Percentages



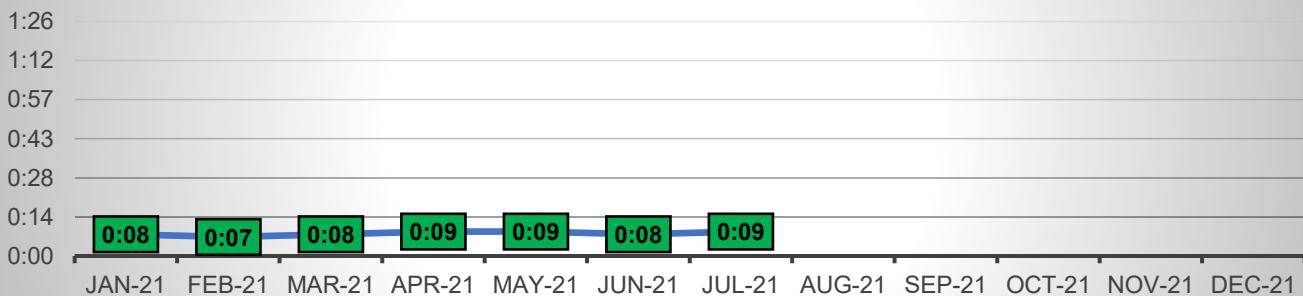


Mercy Medical Center Redding APOT

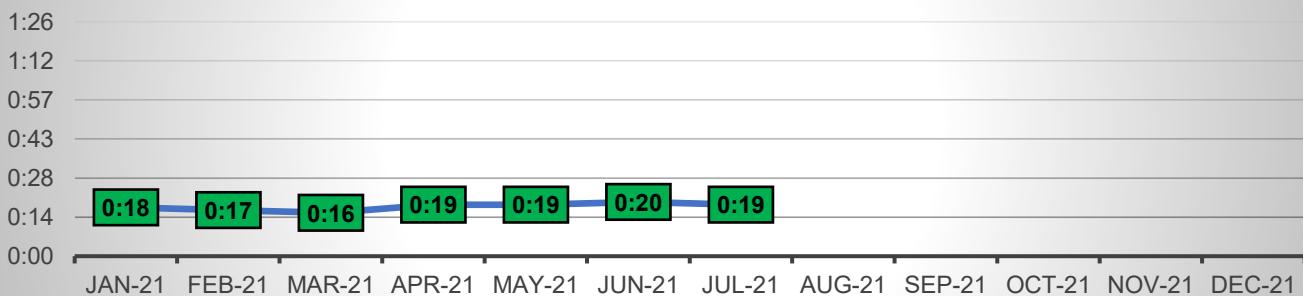
911 Transport Patient Count



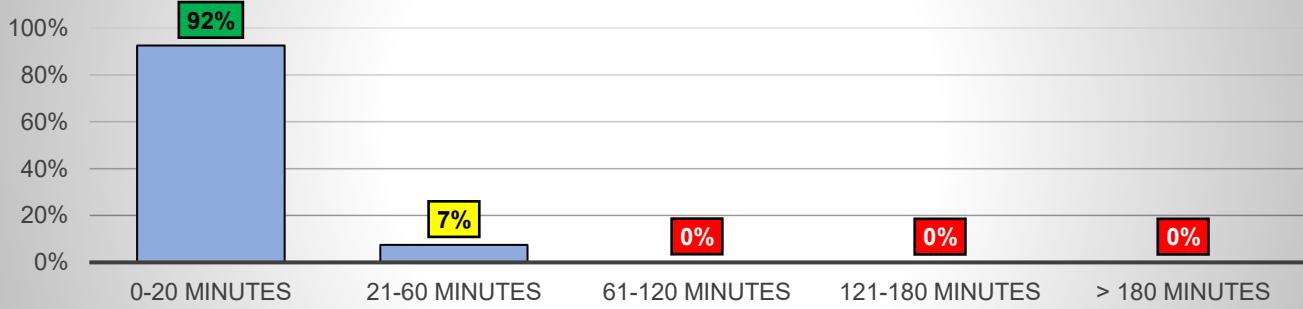
APOT 1.1 - Median Patient Offload Time (H:MM)



APOT 1.2 - 90th Percentile Patient Offload Time (H:MM)



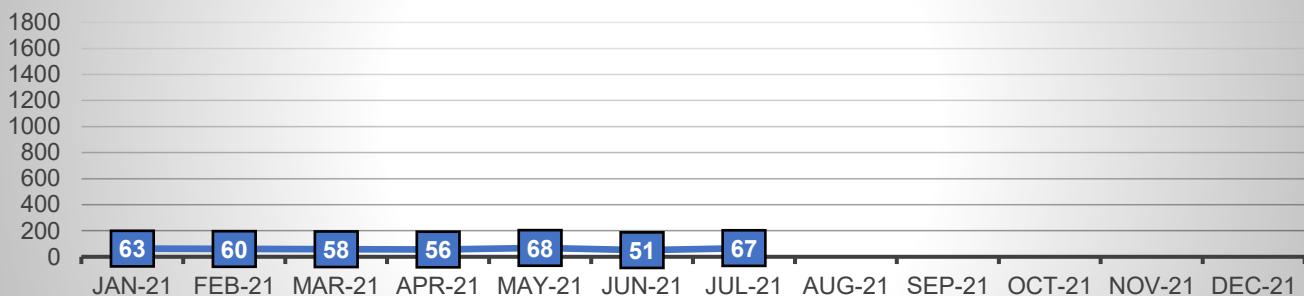
APOT 2 - Patient Offload Time Interval Percentages



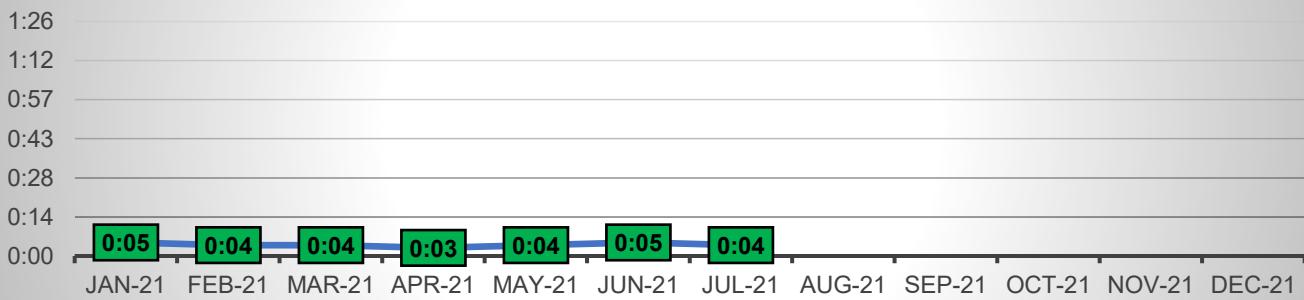


Orchard Hospital APOT

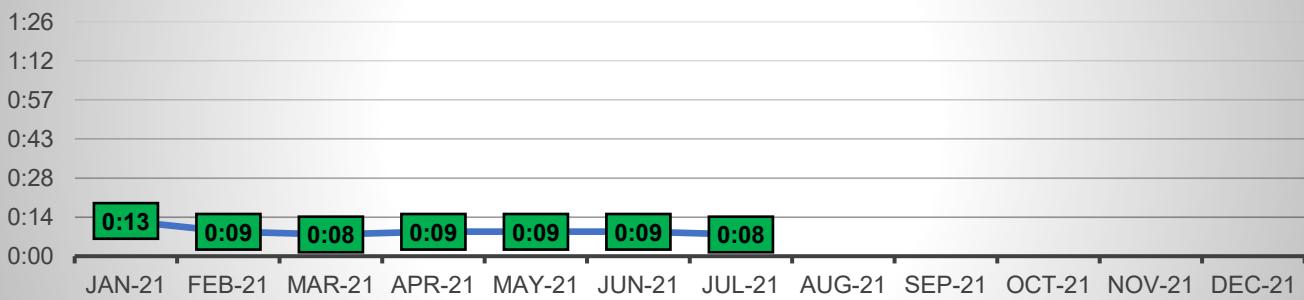
911 Transport Patient Count



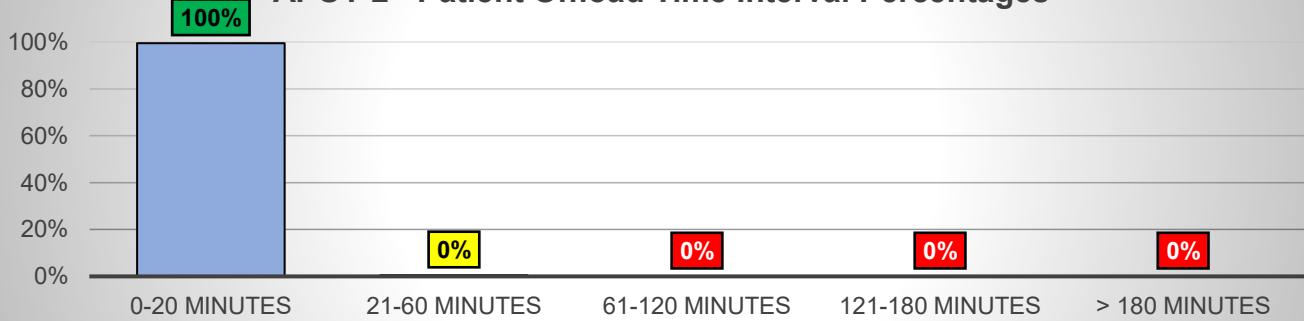
APOT 1.1 - Median Patient Offload Time (H:MM)



APOT 1.2 - 90th Percentile Patient Offload Time (H:MM)



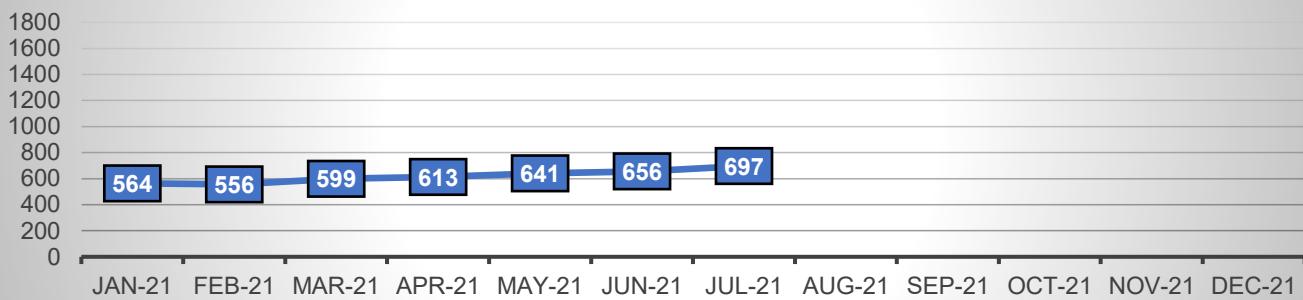
APOT 2 - Patient Offload Time Interval Percentages



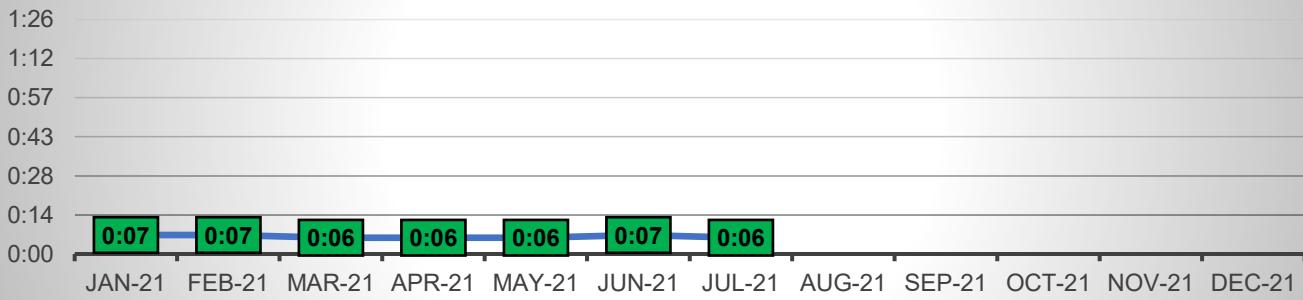


Oroville Hospital APOT

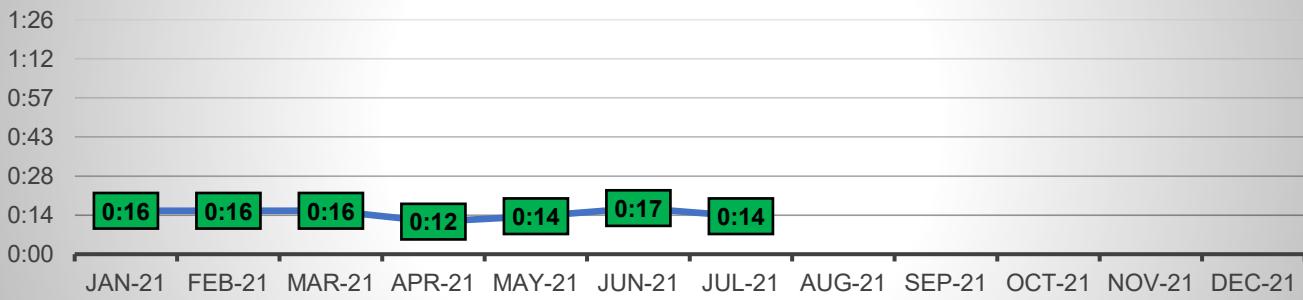
911 Transport Patient Count



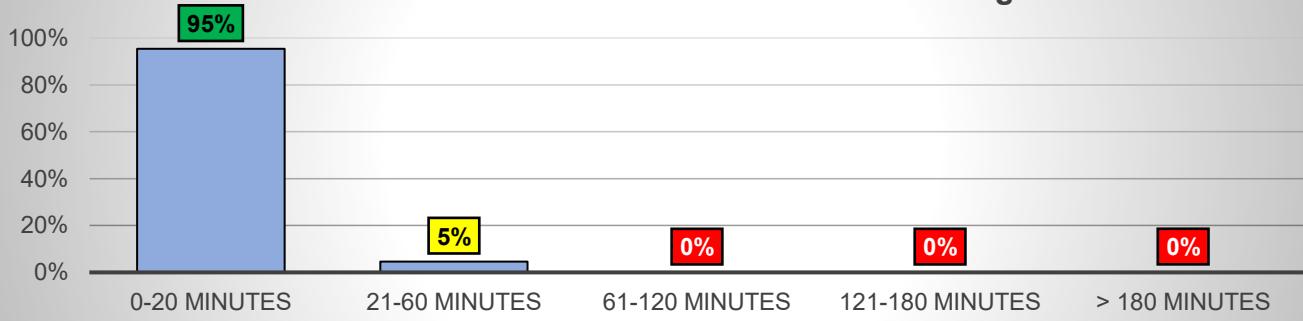
APOT 1.1 - Median Patient Offload Time (H:MM)



APOT 1.2 - 90th Percentile Patient Offload Time (H:MM)



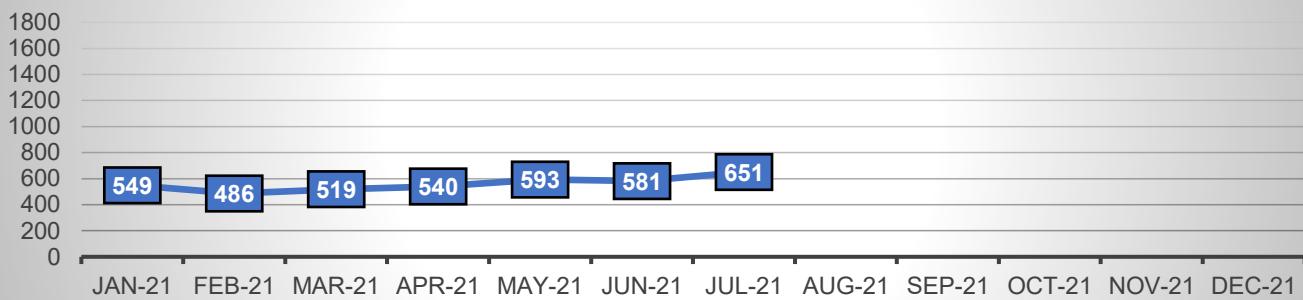
APOT 2 - Patient Offload Time Interval Percentages



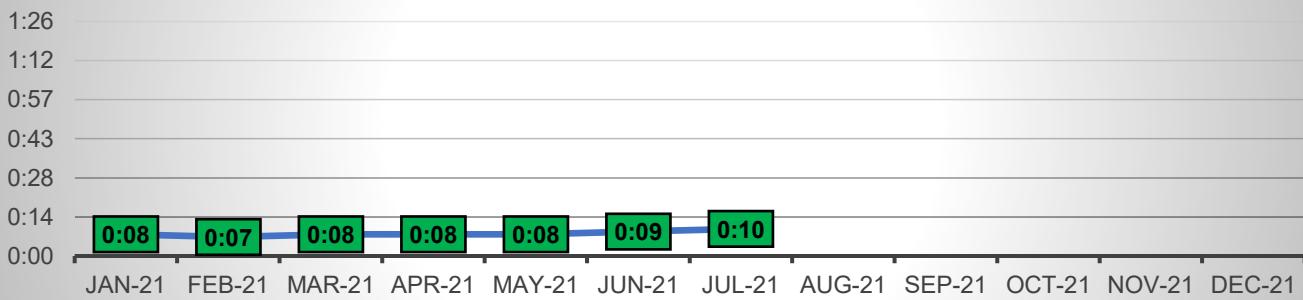


Shasta Regional Medical Center APOT

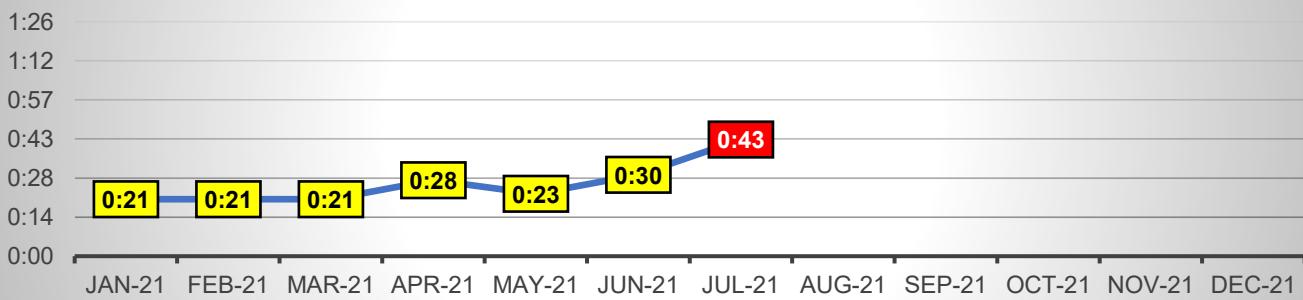
911 Transport Patient Count



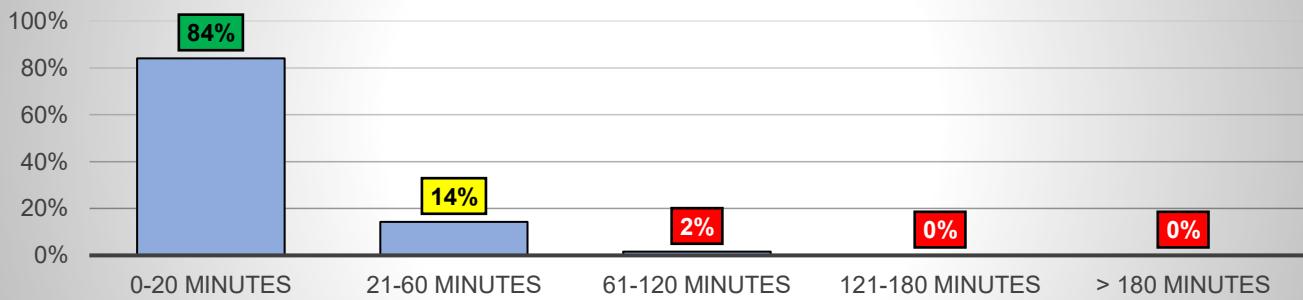
APOT 1.1 - Median Patient Offload Time (H:MM)



APOT 1.2 - 90th Percentile Patient Offload Time (H:MM)



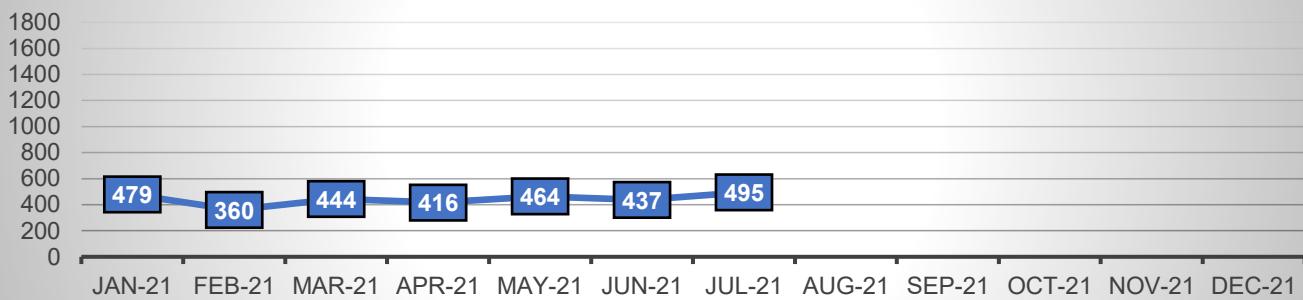
APOT 2 - Patient Offload Time Interval Percentages



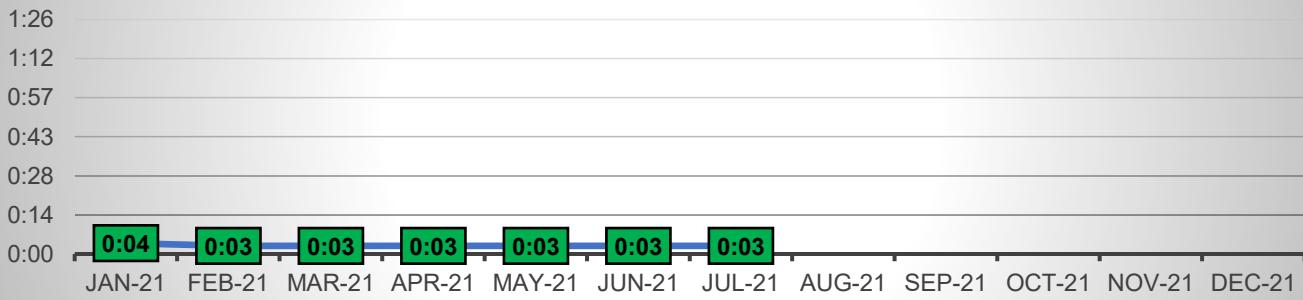


Sierra Nevada Memorial Hospital APOT

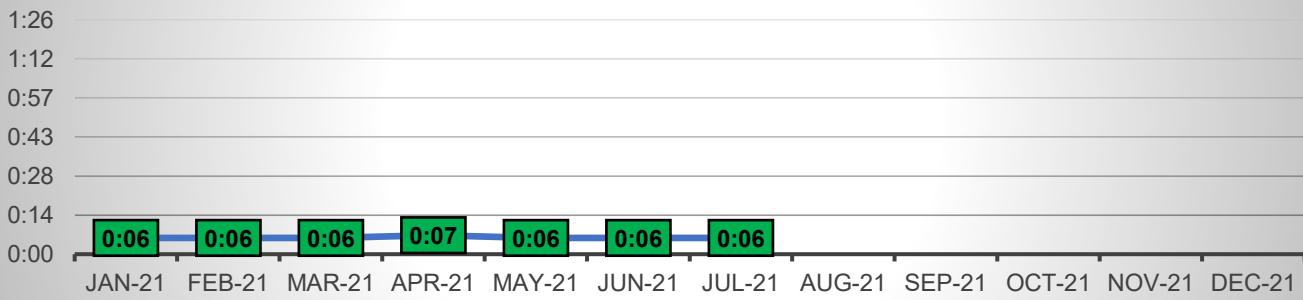
911 Transport Patient Count



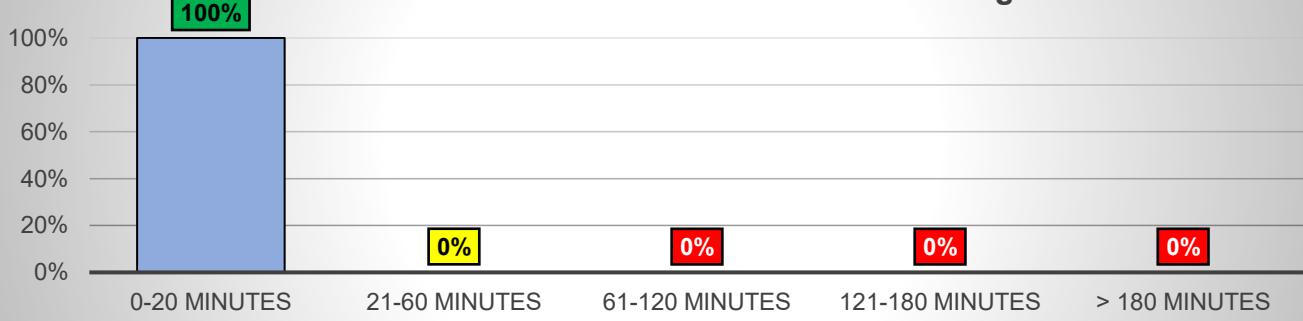
APOT 1.1 - Median Patient Offload Time (H:MM)



APOT 1.2 - 90th Percentile Patient Offload Time (H:MM)



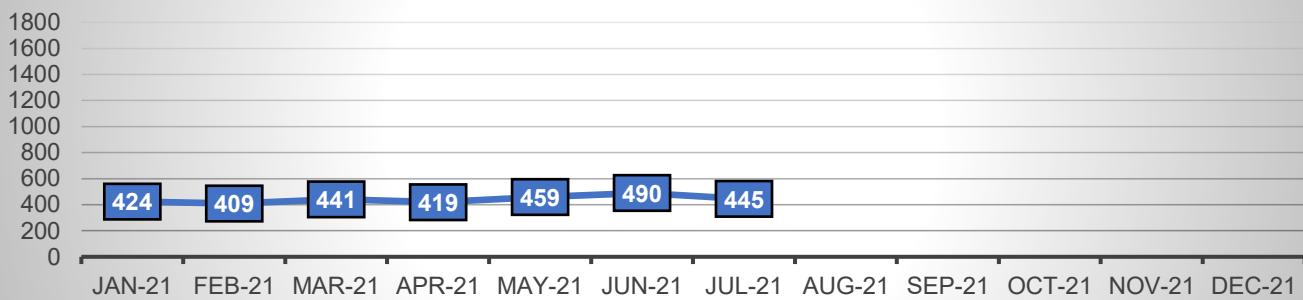
APOT 2 - Patient Offload Time Interval Percentages



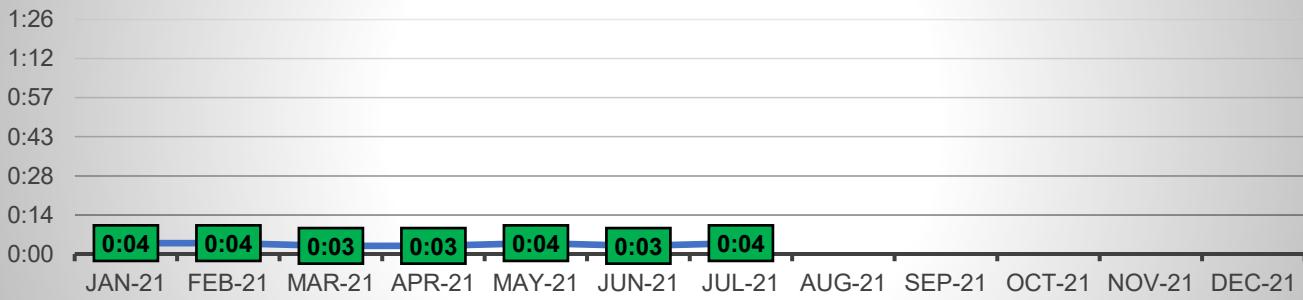


St. Elizabeth Hospital APOT

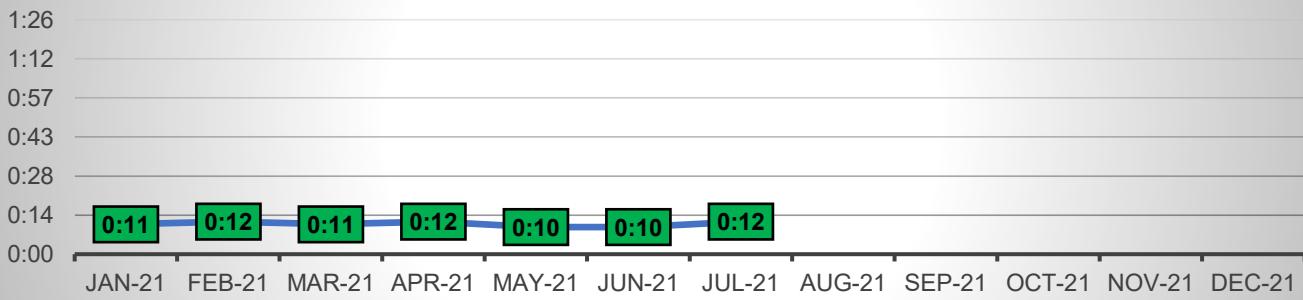
911 Transport Patient Count



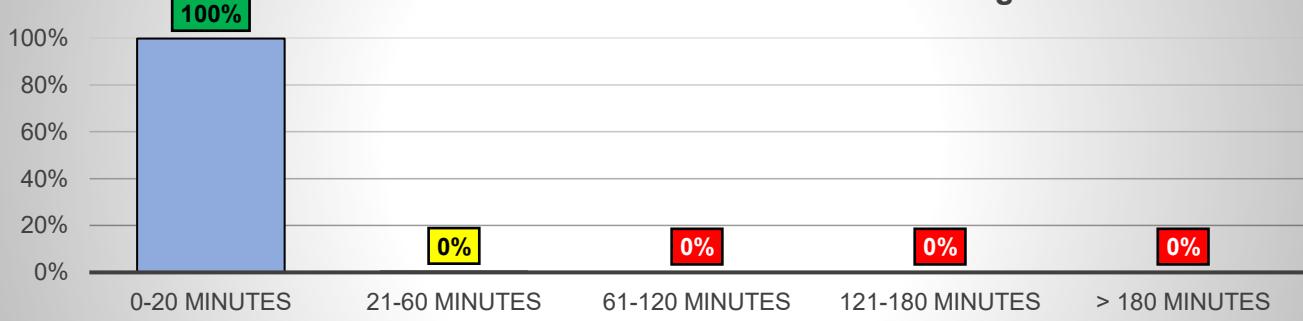
APOT 1.1 - Median Patient Offload Time (H:MM)



APOT 1.2 - 90th Percentile Patient Offload Time (H:MM)



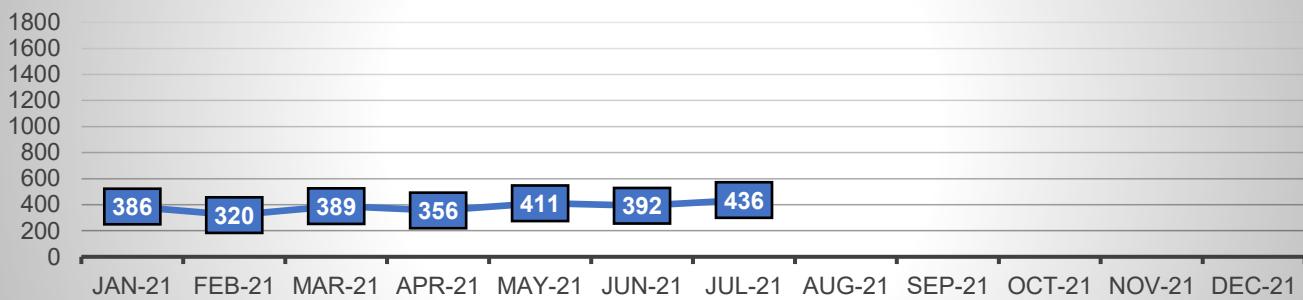
APOT 2 - Patient Offload Time Interval Percentages



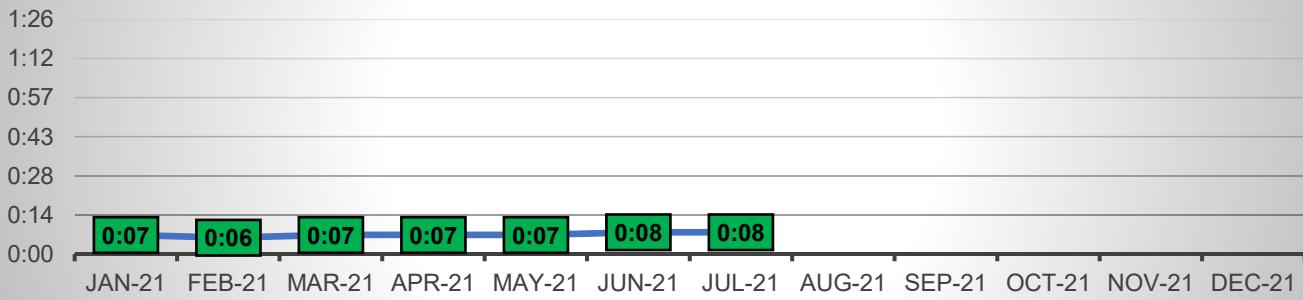


Sutter Auburn Faith Hospital APOT

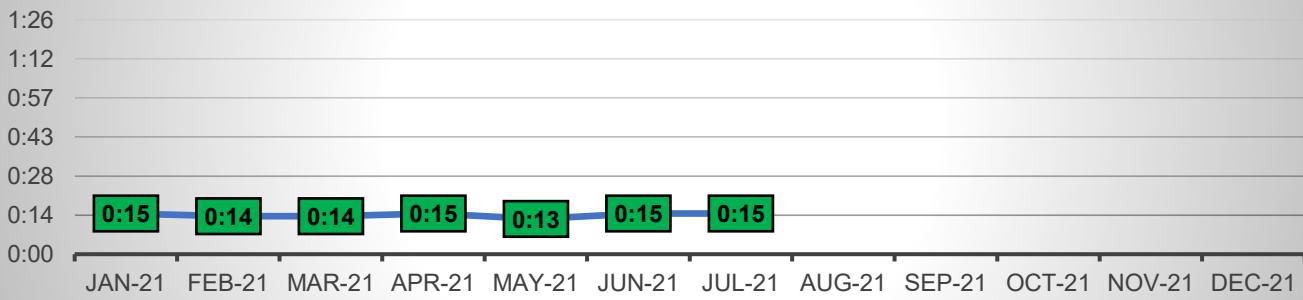
911 Transport Patient Count



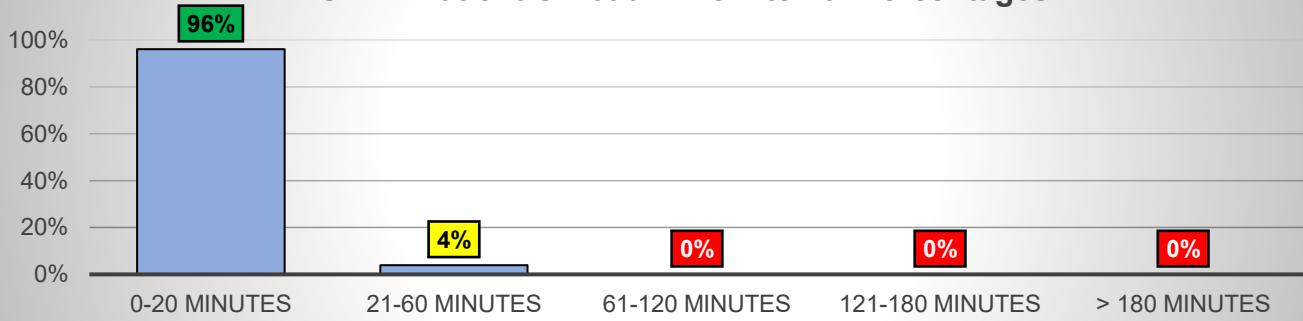
APOT 1.1 - Median Patient Offload Time (H:MM)



APOT 1.2 - 90th Percentile Patient Offload Time (H:MM)



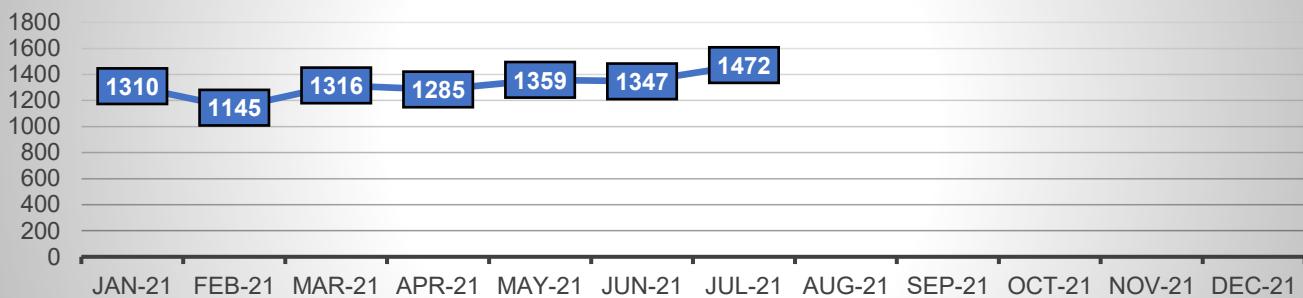
APOT 2 - Patient Offload Time Interval Percentages



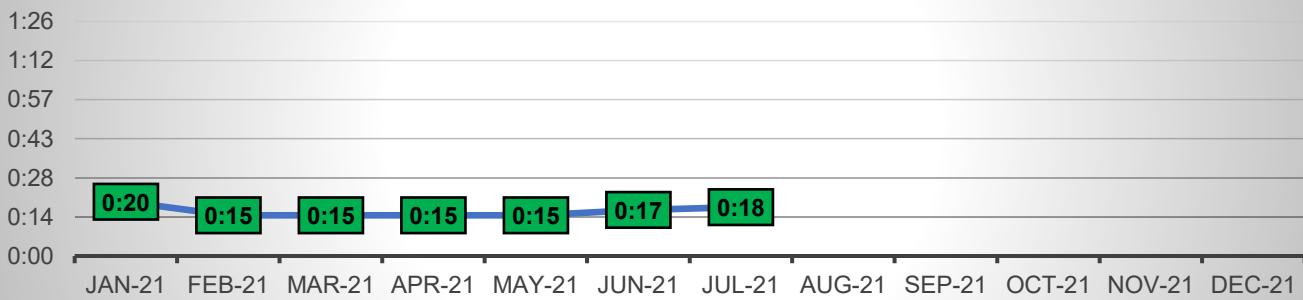


Sutter Roseville Medical Center APOT

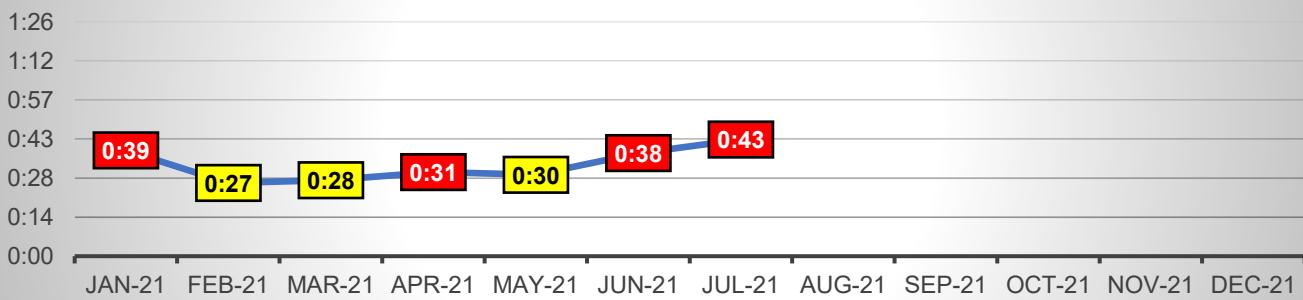
911 Transport Patient Count



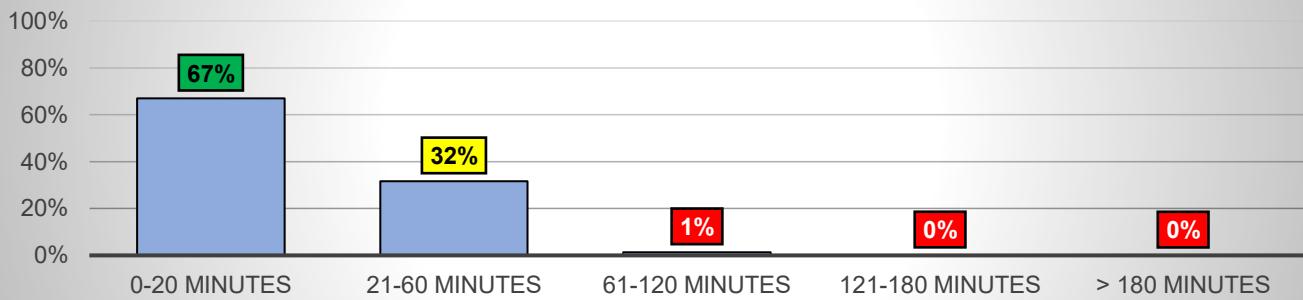
APOT 1.1 - Median Patient Offload Time (H:MM)



APOT 1.2 - 90th Percentile Patient Offload Time (H:MM)



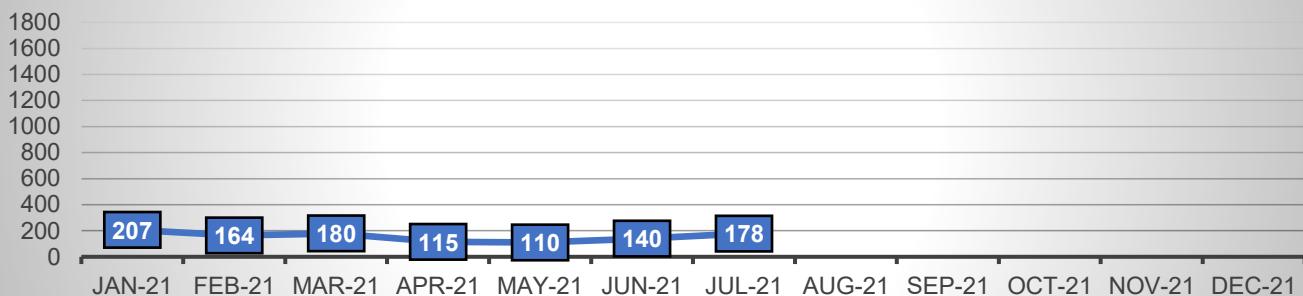
APOT 2 - Patient Offload Time Interval Percentages



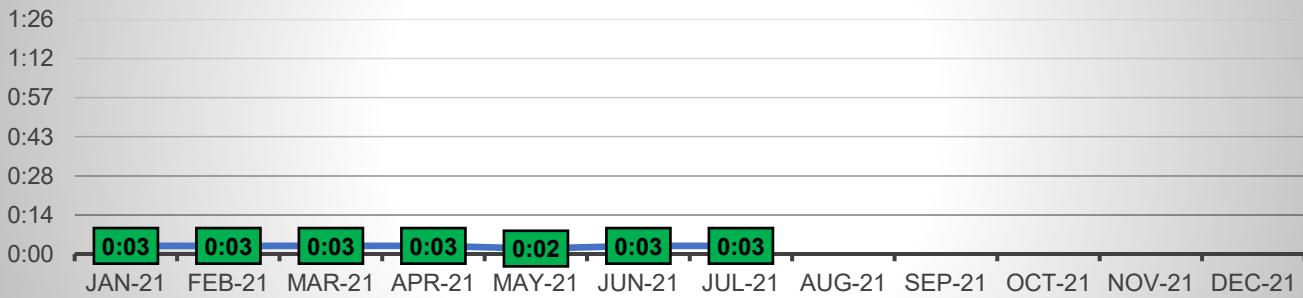


Tahoe Forest Hospital APOT

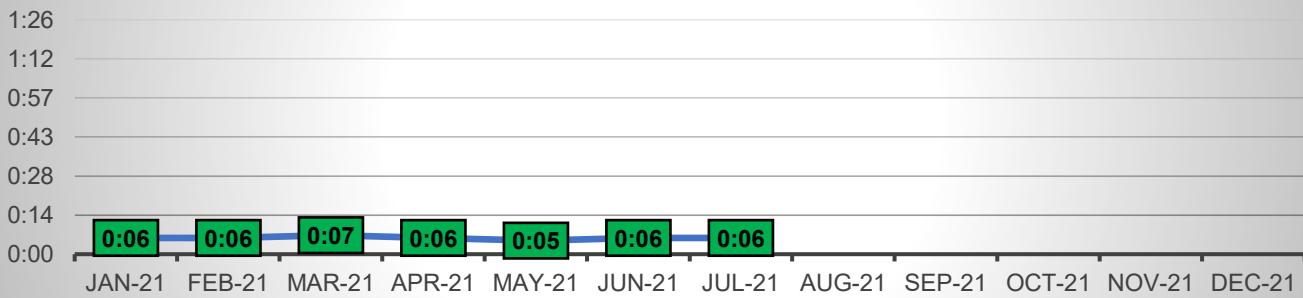
911 Transport Patient Count



APOT 1.1 - Median Patient Offload Time (H:MM)



APOT 1.2 - 90th Percentile Patient Offload Time (H:MM)



APOT 2 - Patient Offload Time Interval Percentages

