

CDPHE and State EMS Update

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Colorado's EMS and Trauma System

By the Numbers

Annual Patient Encounters

750,000

25% Trauma | 75% Medical

Licensed/Certified EMS Providers

19,617

2020: 99% NRP Pass Rate
2020: 84% EMT Pass Rate

Trauma Centers in Colorado

83 | 44

Designated

Non-Designated

Ambulance Service Agencies

33 | 200

Air

Ground

Emergency Medical and Trauma Services Branch

Health Facilities and EMS Division

Colorado Dept of Public Health and Environment



EMTS Branch - Authorized Activities

- Certify/license EMS providers
- Register emergency medical responders
- Recognize EMS education programs
- License air ambulance agencies
- Administer grant funding
- Designate trauma centers
- Regulate scope of practice for EMS providers
- Provide technical assistance
- Investigation of complaints

Advisory Councils coordinated by EMTS

State Emergency Medical and Trauma Services Advisory Council (SEMTAC)

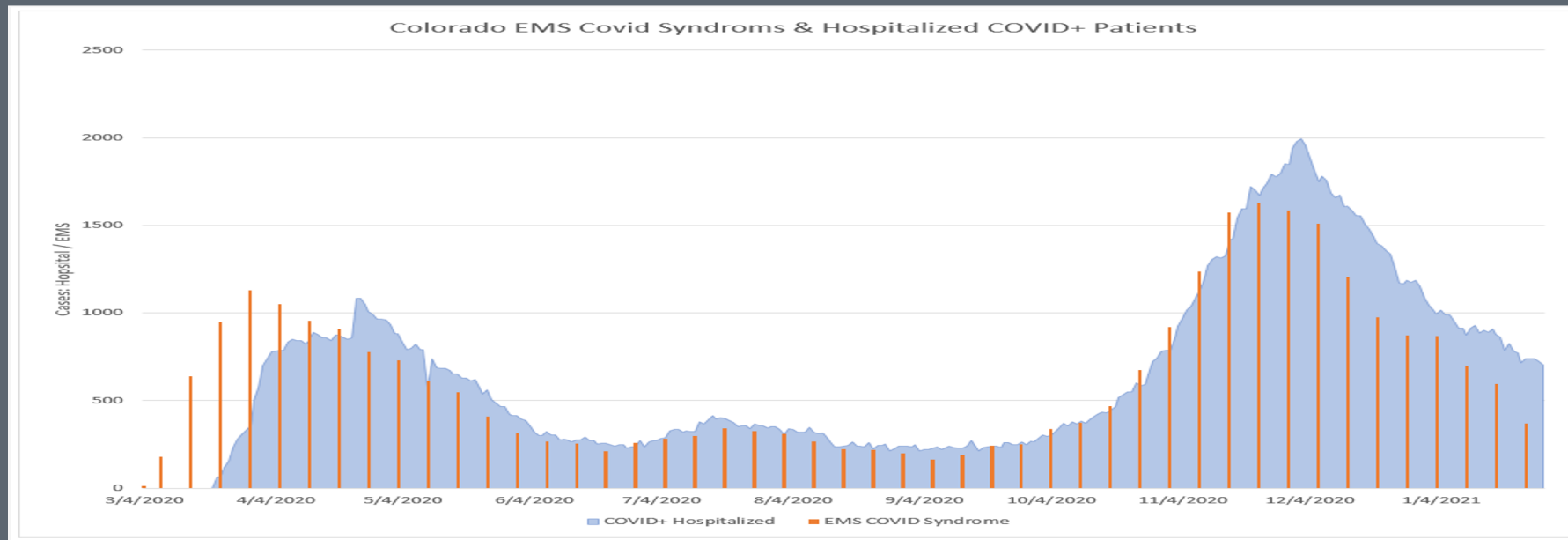
- 32 member Type II board
- Provides expert advice on funding, rules, trauma designation and policy

Emergency Medical Practice Advisory Council (EMPAC)

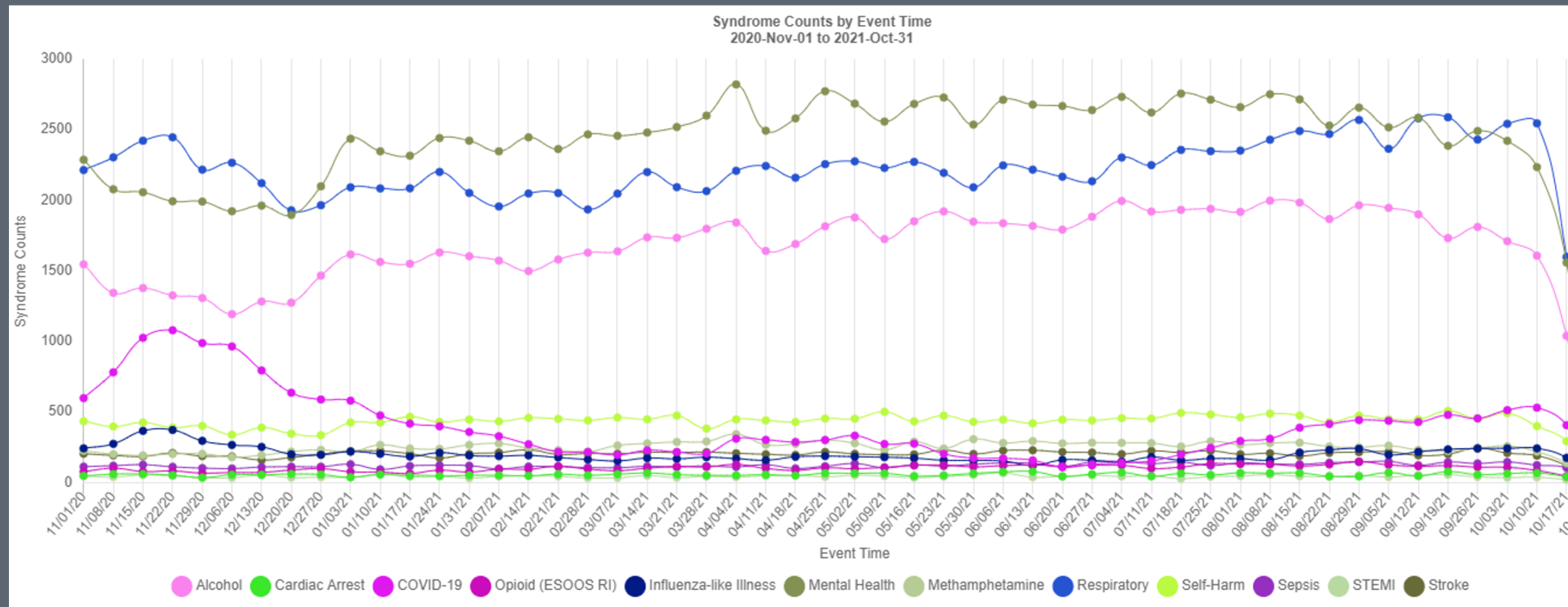
- 13 member Type II board.
- Anesthesiologist and psychiatrist added
- Provides expert advice on EMS scope of practice and EMS medical direction

EMS Data

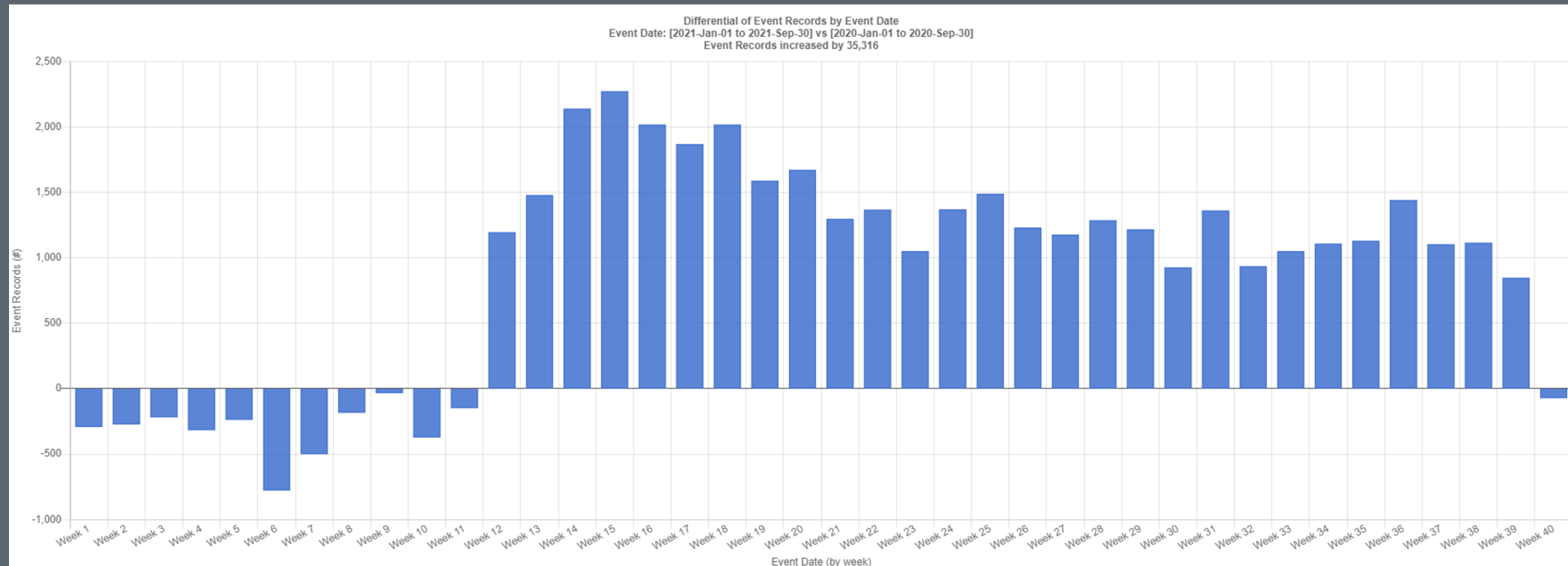
- Completed EMS Chapter 3 rulemaking process
(NEMSIS version / data submission timeline)
- Over 670,000 records submitted last year (COVID decrease)
- Used extensively for decision making



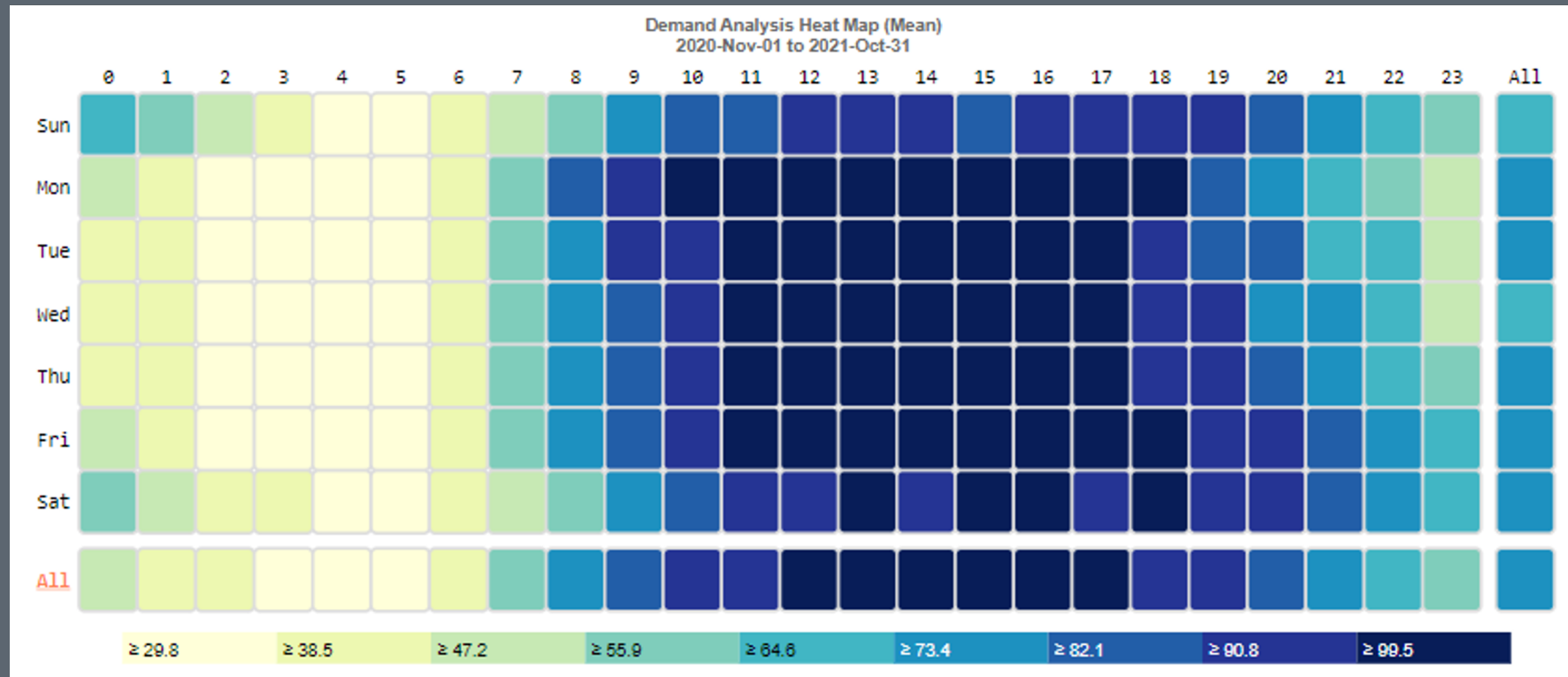
911 Responses by Syndromes, Last 12 Months



Weekly Count of 911 EMS Transports Compared to Last Year



911 Calls in Colorado, By Day/Time



Pediatric Data

January 2022



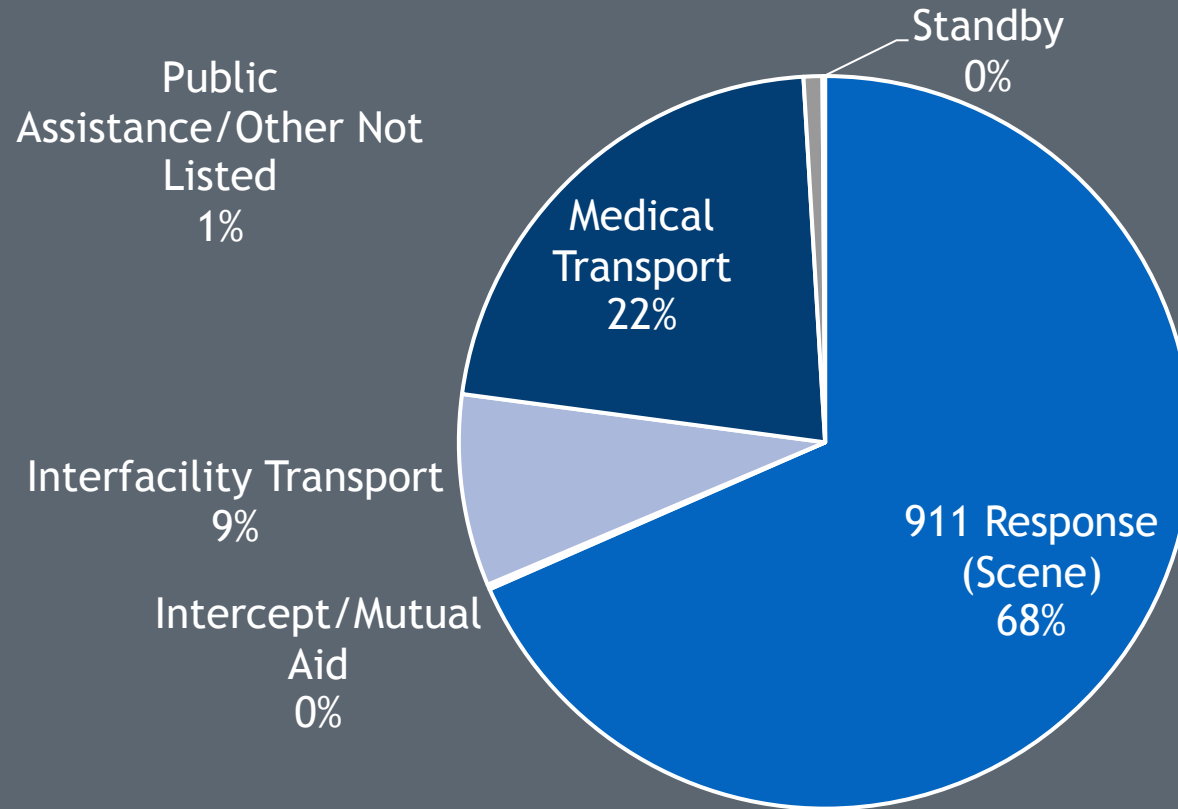
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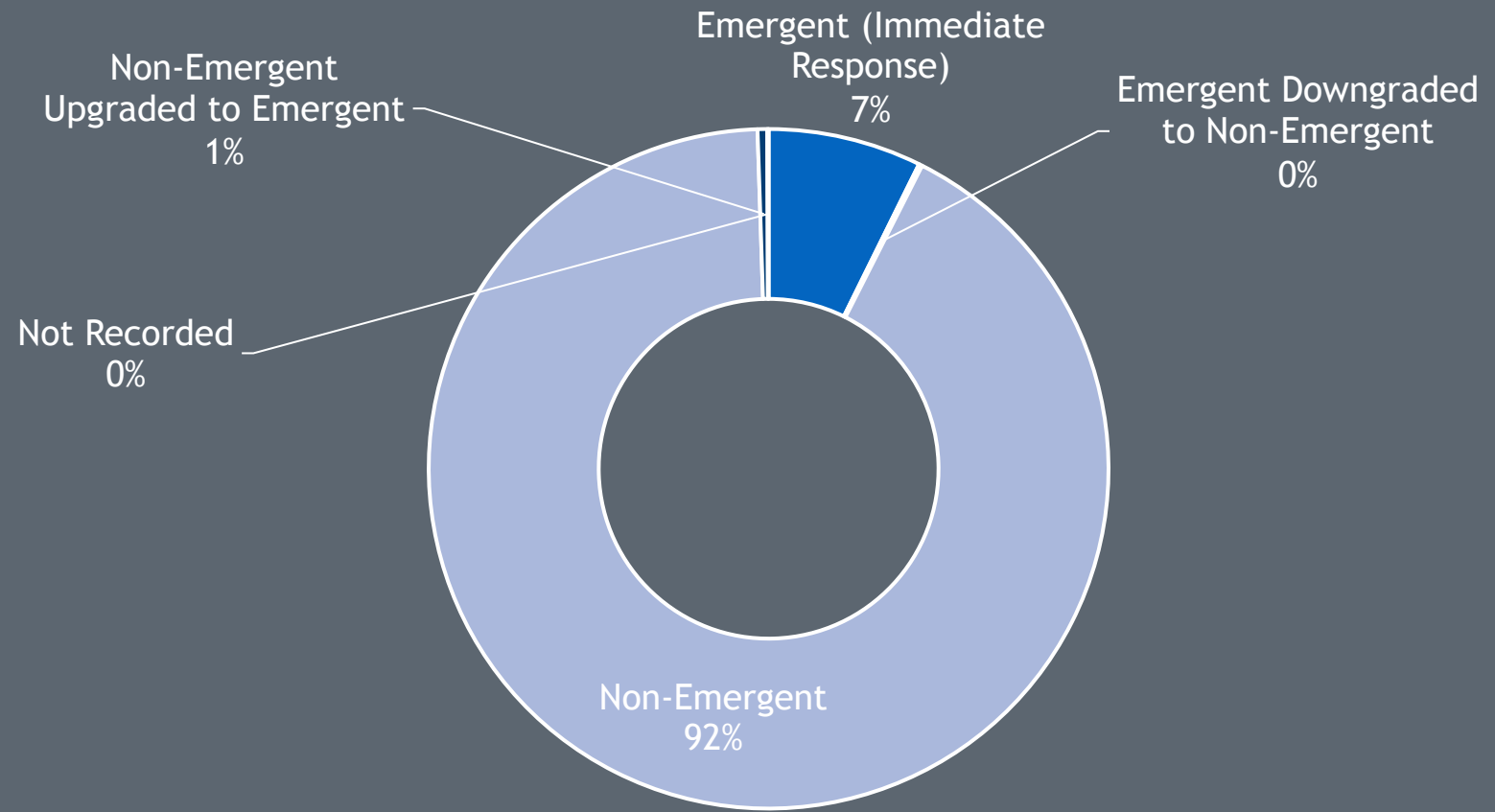
Inclusion Criteria

- These data reflect electronic Patient Care Reports (ePCRs) submitted to the department by licensed ambulance agencies for incidents occurring between 1/1/2020-12/31/2020
- Pediatric patient defined as age less than 18 years

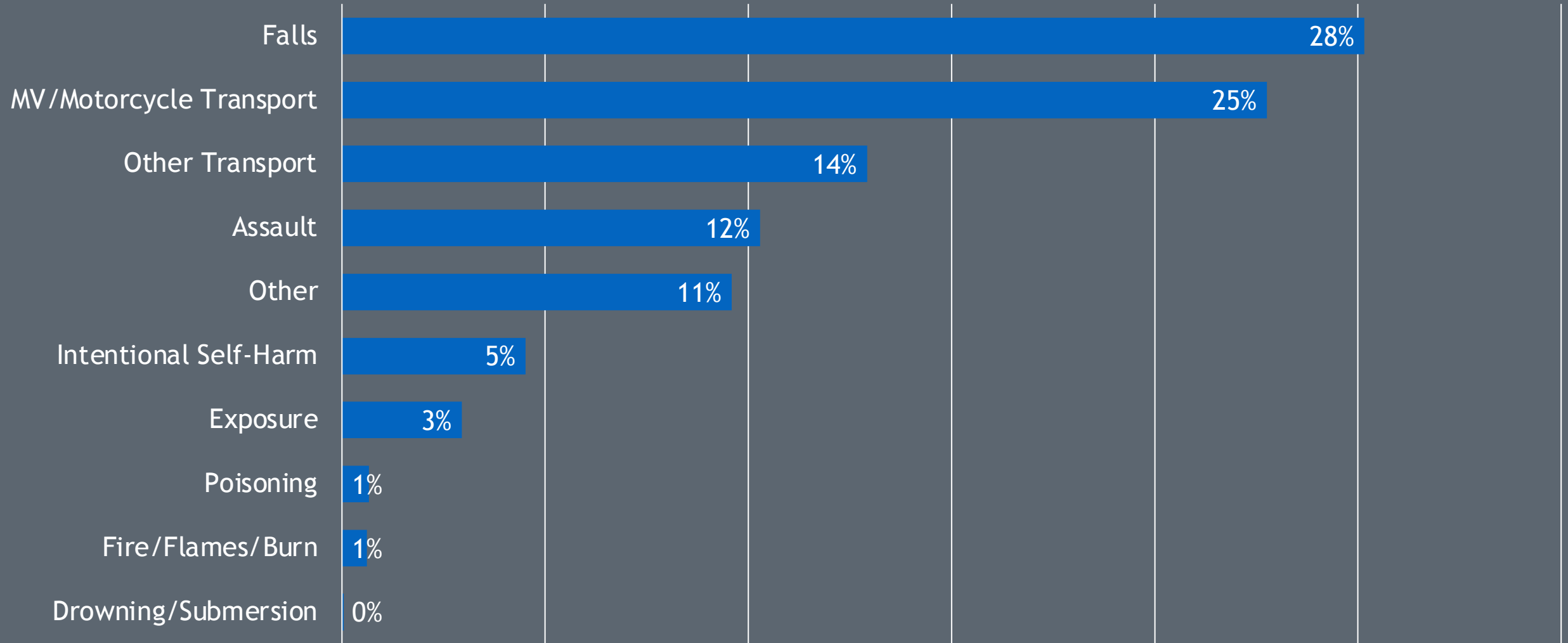
Pediatric Type of Response Requested (n=37,684)



Pediatric Patient Transport Mode (n=27,476)

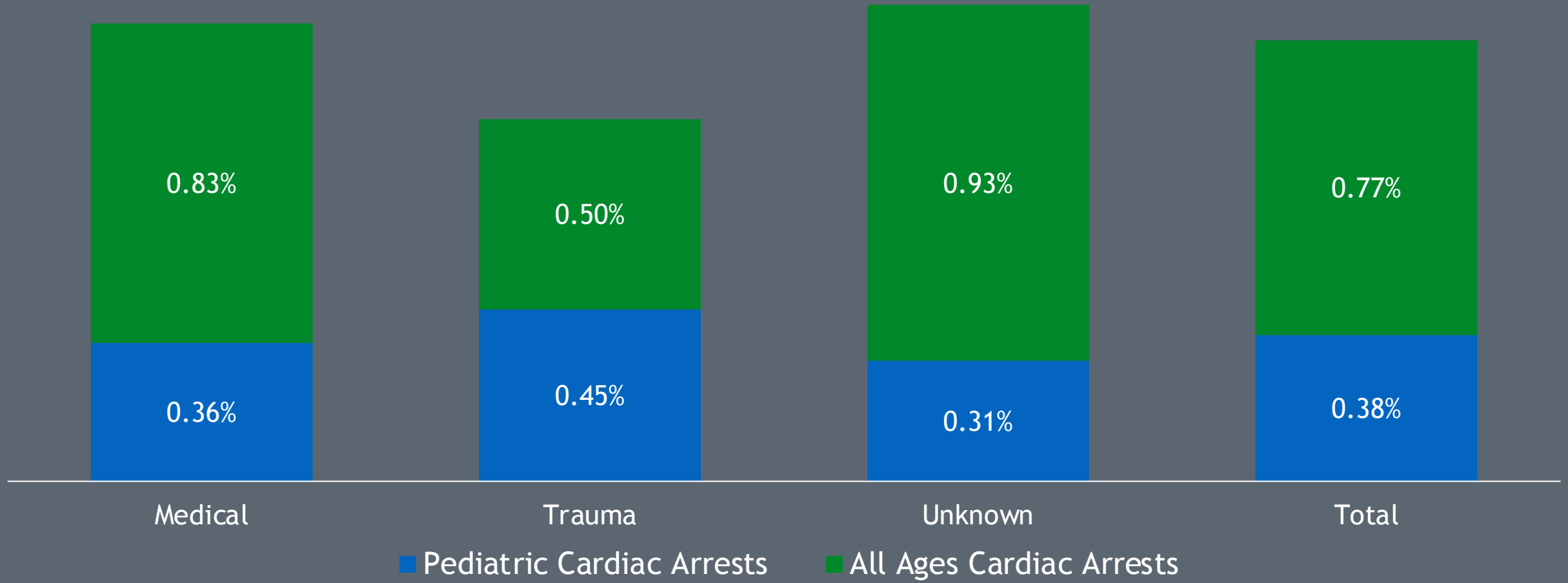


Pediatric Causes of Injury (n=8,950)



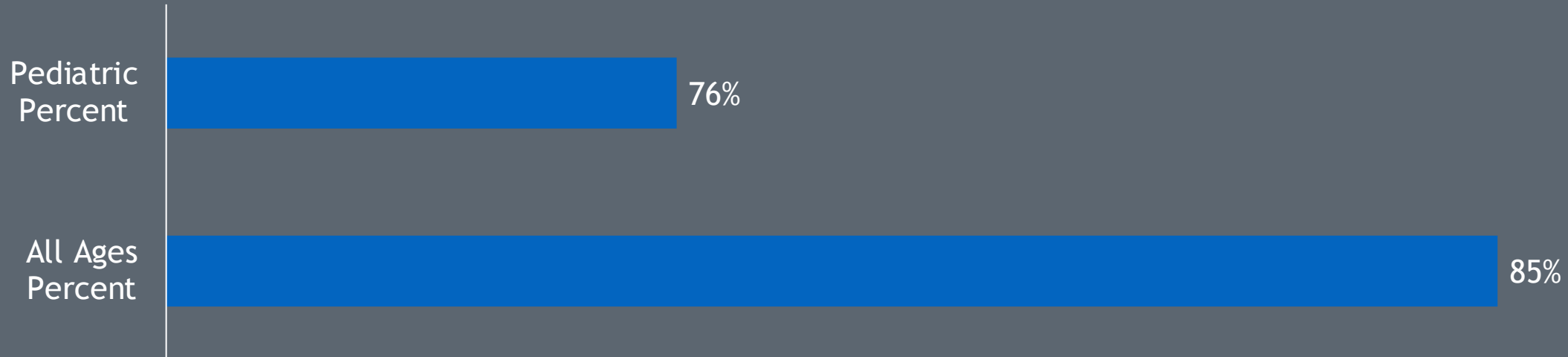
Percent of Cardiac Arrest Peds vs All Ages

(n=140)



Benchmark Reporting: Seizure Patients with a BGL Documented (Goal = 80%)

- Percent of 911 Response(Scene) incidents where the provider primary impression documented was seizure or convulsions and a Blood Glucose Level was documented



6 CCR 1015-3, Chapter 2, Section 4

Current requirements – EMS Physician Medical Director

Two qualifications: (1) Licensed in CO (2) Trained in ACLS

Be *actively involved* in the provision of EMS in the community

4.2.4 Establish CQI program for each agency that assures continuing competency of EMS providers; includes appropriate protocols and standing orders and provision for medical care audits, observation, critiques, CME and direct supervisory communications

4.2.6 Provide monitoring and supervision of the medical field performance of each EMS provider

Disclosure - C.R.S. 25-3.5-205(2)

An EMS provider, employer, medical director, and physician providing medical direction of an EMS provider shall report to CDPHE any misconduct known or reasonably believed to have occurred.

Scope of Practice

6 CCR 1015-3 – Emergency Medical Services

<http://www.coems.info> click on link "Engage With Us", then "EMTS rules and regulations"

TABLE A.1 – AIRWAY/VENTILATION/OXYGEN

| Skill | EMT | EMT-IV | AEMT | EMT-I | P |
|---------------------------------------|-----|--------|------|-------|---|
| Airway – Supraglottic | Y | Y | Y | Y | Y |
| Airway – Nasal | Y | Y | Y | Y | Y |
| Airway – Oral | Y | Y | Y | Y | Y |
| Bag – Valve – Mask (BVM) | Y | Y | Y | Y | Y |
| Carbon Monoxide Monitoring | Y | Y | Y | Y | Y |
| Chest Decompression – Needle | N | N | N | Y | Y |
| Chest Tube Insertion | N | N | N | N | N |
| CPAP | Y | Y | Y | Y | Y |
| PEEP | Y | Y | Y | Y | Y |
| Cricoid Pressure – Sellick's Maneuver | Y | Y | Y | Y | Y |
| Cricothyroidotomy – Needle | N | N | N | N | Y |
| Cricothyroidotomy – Surgical | N | N | N | N | Y |

Waivers to Scope of Practice

- EMS medical directors may request a waiver for medical acts beyond what is allowed in Chapter 2, Appendices A through F
- EMPAC makes recommendations to the department regarding each waiver application
- Waivers are issued by the department to EMS medical directors based on the EMPAC recommendation and details contained in the application

Waivers 2021

- Active waivers
 - 61 distinct types
 - ALS: 285
 - ALS + BLS: 51
 - BLS: 4
 - Total: 340
- Waivered acts/medications include:
 - 103 Ketamine for pain management
 - 62 Tranexamic acid (TXA)
 - 45 Closed joint reduction
 - 38 RSI (32 Adult, 6 Pediatric)
 - 12 Norepinephrine (Levophed)
 - 11 Propofol



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Department of Public
Health & Environment

Rapid Testing for Essential Services

This portal allows essential services to request rapid testing solutions. Please be advised there is no guarantee on fulfillment of orders or the timeline resources will be allocated. Applicants who do not meet the requirements of this program will be denied without notice.

 jeff.beckman@state.co.us (not shared) [Switch account](#) 

* Required

Type of Service Requesting Tests *

☐ EMS / Fire / Police

☐ State Government Services

☐ Local Government

☐ ECE - 12 Schools

☐ Other: _____

https://docs.google.com/forms/d/e/1FAIpQLSeRuxOQsySe4CuSz5206NkBAc1xczz0_3UEBzxf8uVNEht8uA/viewform



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EMS Professionals' Emergency Relief Fund

A special program and fund to assist EMS professionals affected by a disaster.

NEW!

EMSAC EMS Professionals' Emergency Relief Fund

The catastrophic 6200-acre Wildland Urban Interface (WUI) and suburban wildfire in Boulder County, December 30, 2021, has prompted us to create a special program and fund to assist the EMS professionals that have been affected.

Please consider donating to this fund through our Colorado Gives account [here](#).

*Donate
Here!*

https://emsac.memberclicks.net/index.php?option=com_content&view=article&id=126:ems-emergency-relief&catid=20:site-content



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COLORADO
CRISIS SERVICES

844-493-TALK (8255)
OR TEXT TALK TO 38255

PATH4EMS
YOUR PATH FORWARD

Available 24/7: CALL 1-800-873-7138 OR EMAIL F

COLORADO PATH4EMS

Path4EMS is a free and confidential resource exclusively for certified and licensed Emergency Medical Service providers in Colorado.

These services are tailor-made for Colorado by experienced medical and behavioral health professionals in collaboration with EMS providers. Path4EMS helps you find the path forward when confronting personal issues and behavioral health.



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- Questions???

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