



**FICEMS**  
Federal Interagency Committee on EMS

# **TECHNICAL WORKING GROUP EDUCATION AND TRAINING SUBGROUP**

**General Meeting  
December 7, 2022**

# CO-CHAIRS AND MEMBERS

- **Co-Chairs**

- Michael Stern (USFA)
- Clary Mole (NHTSA)

- **Members**

- Lewis Moore (NAVY)
- Dion Reid (IHS)
- Greg Williams (USFA)
- Dave Bryson (NHTSA)

**INFORMATION PRESENTED TODAY IS BEING USED TO APPRISE FICEMS MEMBERS OF NATIONAL EMS EDUCATION AND TRAINING ACTIVITIES.**

**THIS INFORMATION WAS PROVIDED BY NATIONAL EMS EDUCATION STAKEHOLDERS AND PROVIDES RELEVANCE TO FICEMS STATUTORY PURPOSES AND ITS STRATEGIC PLAN.**

**IT IS IN NO WAY MEANT TO ENDORSE ANY ORGANIZATION OR ITS ACTIVITIES.**



[www.chea.org](http://www.chea.org)

**CHEA recognizes CAAHEP** as an accreditation organization, giving it authority to accredit programs

**CAAHEP accredits Paramedic programs** upon the recommendation of CoAEMSP

**CoAEMSP awards the Letter of Review** to programs actively seeking CAAHEP accreditation

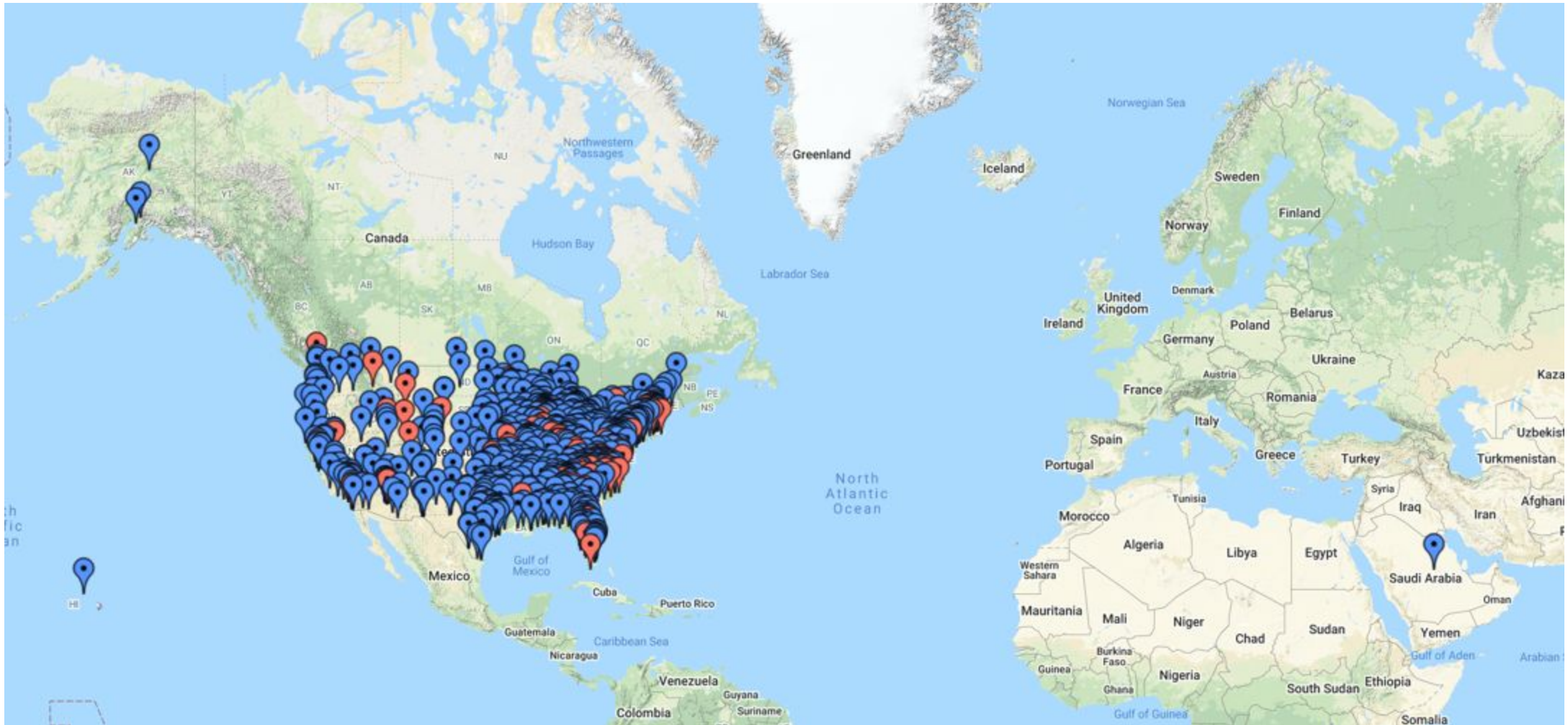


[www.caahep.org](http://www.caahep.org)



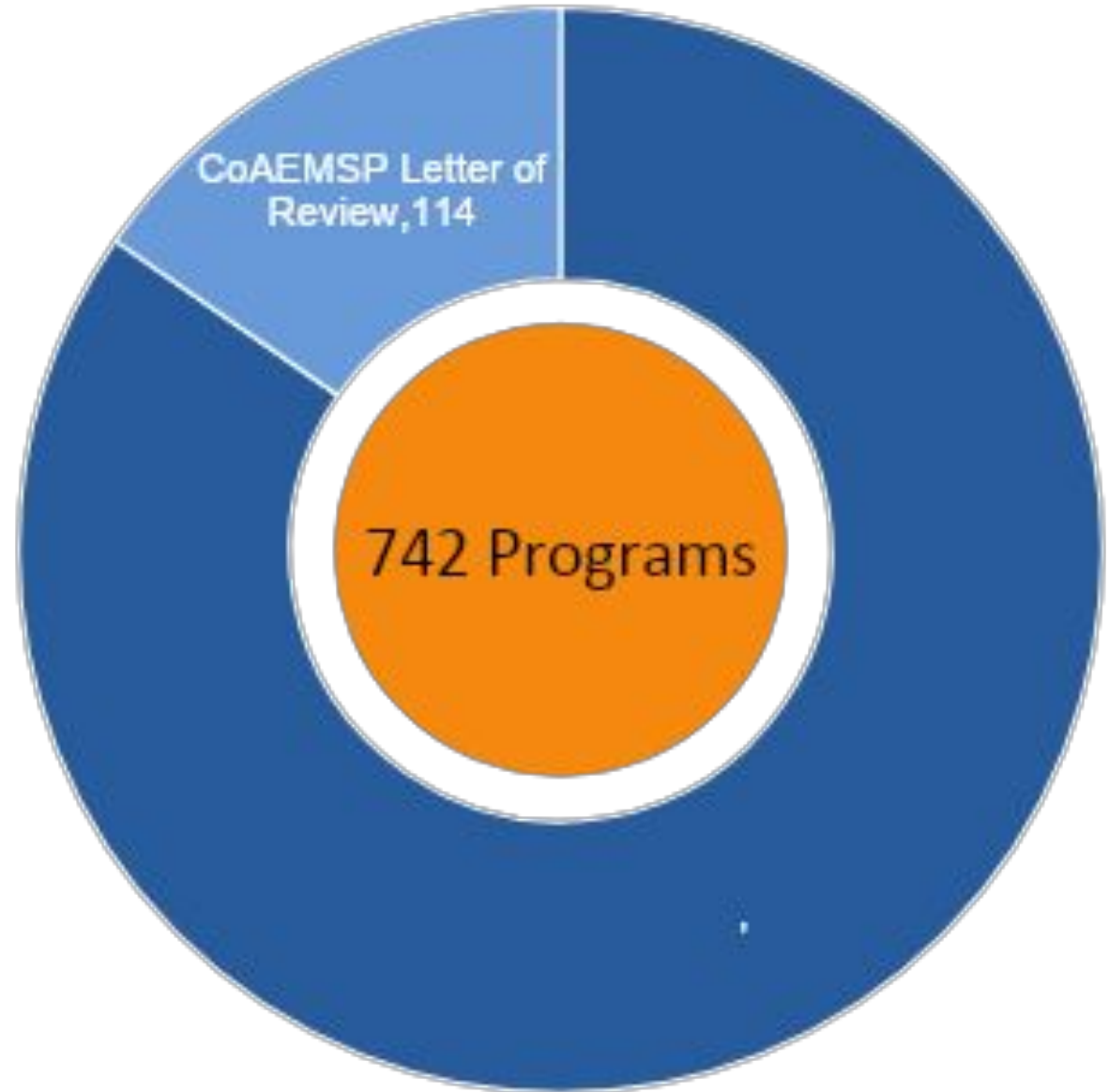
[www.coaemsp.org](http://www.coaemsp.org)

# Program Activity Map

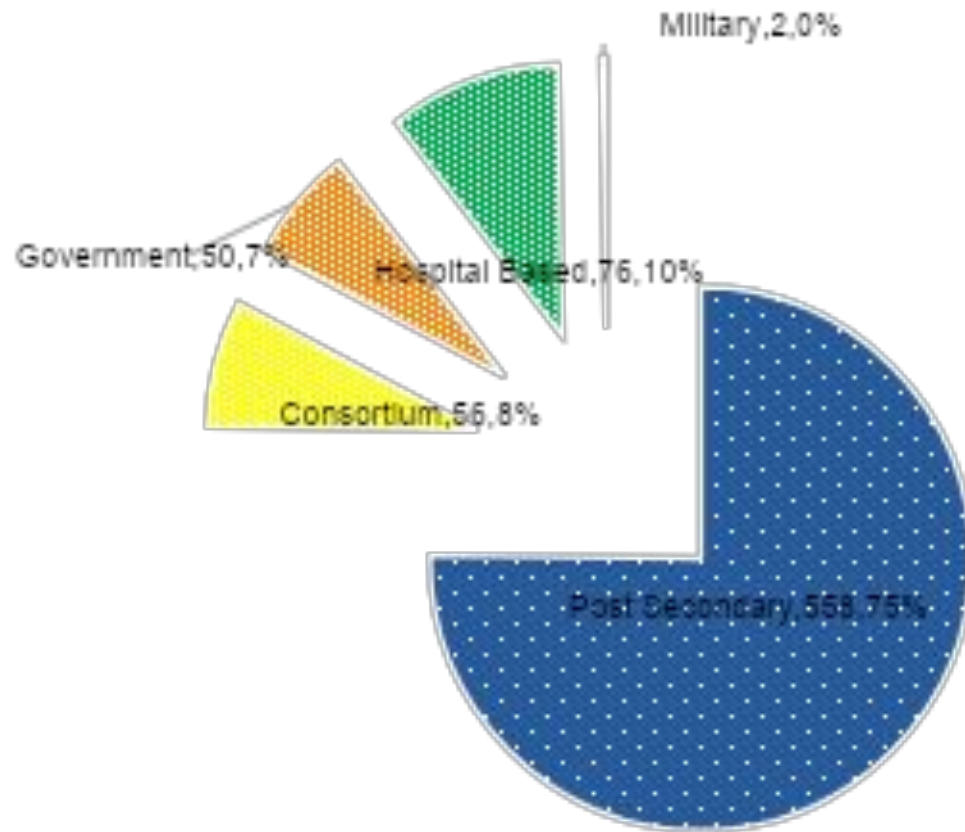


# Number of Paramedic Programs

*per CoAEMSP as of November 29, 2022*



# # of Programs by Sponsor Type



## Government

- Ambulance Services
- County/Municipality
- Fire Services

## Post-Secondary

- Vocational
- Community College
- Junior College
- Technical College
- College / University



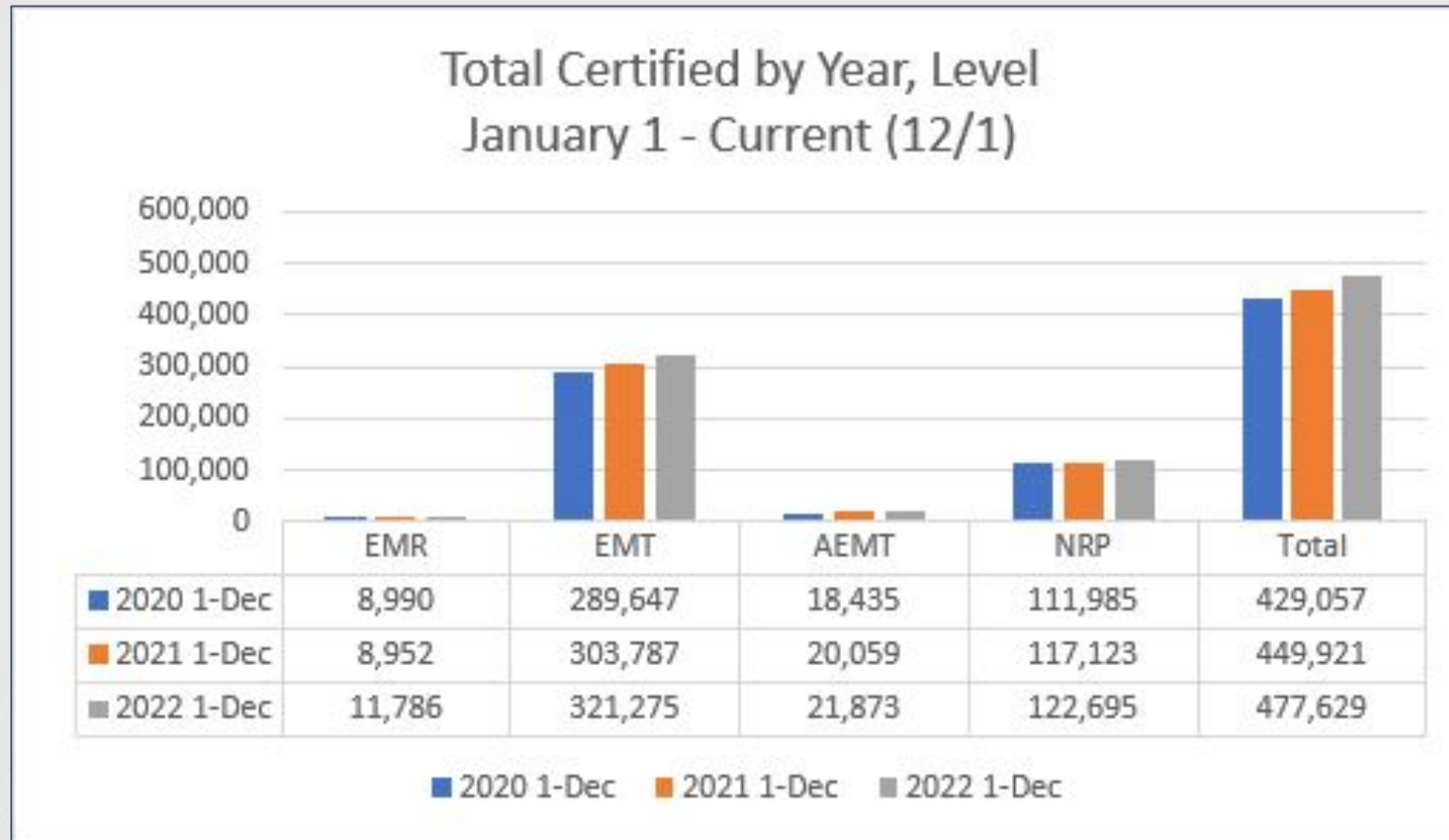
## **TECHNICAL WORKING GROUP EDUCATION AND TRAINING SUBGROUP**

- + EMT and AEMT Education Programs are authorized by state and territorial EMS Offices
- + Paramedic Programs not accredited may be authorized by state and territorial EMS Offices
- + Some states maintain EMS professional levels other than those identified by the National EMS Scope of Practice Model
  
- + There is no national mechanism for tracking EMS Education Programs that aren't accredited
  - No national data to support workforce entry insufficiencies
  - **Consistent national reporting of initial education program data could help support recruitment projects**



# Certification – By the Numbers

## Nationally Certified EMS Clinicians Recertified





# Recertification – By the Numbers

## Nationally Certified EMS Clinicians Recertified





## **TECHNICAL WORKING GROUP EDUCATION AND TRAINING SUBGROUP**

### Certification:

- + Information provided by NREMT suggests total number of certified EMS professionals is increasing, yet shortages continue to be reported...why?

### Recertification:

- + Does the low frequency of recertification suggest EMS professionals are leaving EMS?
- + Does it suggest EMS professionals don't ascribe value to recertification because their states do not require it.
- + If neither is applicable, how can we decide what is?



# CAPCE Mobile App

- New mobile app has been completed.
- Currently in a beta testing protocol.
- Allow users to scan & report course completions to CAPCE database in real-time.
- Records can then be sent to SOEMS or NREMT



# National EMS Identification (NEMSID)

- CAPCE partnership with NREMT
- Active NEMSIDs uploaded & integrated into CAPCE database
- NREMT can now query records by NEMSID
- There are 18.9 million records in the CAPCE database.



# State License Only (SLO) Records

- CAPCE & NREMT amended their data sharing agreement to include SLO practitioners from UT, AR, WV, & MA
- Other data sharing agreements are in process with KS & VA



# New CSV File upload Process

- XML (Extensible Markup Language)
  - file upload has been problematic
- CSV (Comma-separated values) file
  - upload is easier for users
  - requires less time to manage
  - simplifies course completion reporting



# Duplicate Record Data Filter

- New database filter for reporting audit
- Flags duplicated records for submitter
- Helps prevent duplicate record submissions
- Helps prevent user fraud.



**Manuscript accepted for publication**

*Prehospital Emergency Care*

2022 Sep-Oct;26(5):617-622.

Epub 2021 Oct 20.

**Effects of COVID-19 on EMS Refresher Course  
Completion and Delivery**

J A March, J Scott, N Camarillo, S Bailey, J E Holley, S E Taylor



# Projects in Progress:

## First Forward Resiliency Micro Learning Project

- CAPCE is working with First Forward
- how micro learning applications equate to CEUs.
- In data collection phase and hope to begin analysis 12/31/22

## NREMT Continued Competency Project

### Universal Real Time Reporting

- real time course completion reporting via our mobile app

### Accreditation Manual Update

- Updated CE Program Accreditation Guide
- publication planned for 1/2023



## **TECHNICAL WORKING GROUP EDUCATION AND TRAINING SUBGROUP**

### Unique identifier (NEMSID)

- + It could create ability to gather data on EMS Professionals from cradle to grave
- + Could it be a source of profession entry and exit data?
- + Could it help with recruitment and retention?
- + Could it be used to identify those using profession as career-builder?
  - + Could it be used to research why individuals leave profession?
- + Could it be used to create personalized continuing education plan?

### CAPCE State License Only (SLO) Data

- + Could this be a mechanism by which data could be collected on state-credentialed EMS Professionals not certified by NREMT?

# National Association of Emergency Medical Technicians

- Membership association
- Represents the professional interests of all EMS practitioners
- Formed in 1975
- Current membership is ~75,000
- Service to members:
  - Advocacy on behalf of the EMS profession
  - Support for EMS research and innovation
  - High quality education



# Mission of Education

- Improve patient care through high-quality, cost-effective, evidence-based education.
- We believe that professional education is essential to the consistent delivery of high-quality, evidence-based medical care.
- Created by internationally recognized subject matter experts in prehospital medicine, emergency medicine, and other medical specialties.



## Trauma Education

- Prehospital Trauma Life Support
- PHTLS for First Responders
- Tactical Combat Casualty Care (Tiers 1-3)
- Tactical Emergency Casualty Care
- Tactical Emergency Casualty Care for Law Enforcement Officers
- All Hazards Disaster Response

## Community Education

- First on the Scene
- First 7 Minutes (in development)

## Medical Education

- Advanced Medical Life Support
- Emergency Pediatric Care
- Geriatric Education for EMS
- Psychological Trauma in EMS Patients
- Community Paramedicine series

## Operational

- EMS Safety
- EMS Safety Officer (in development)
- EMS Vehicle Operator Safety
- Principles of Ethics and Personal Leadership
- Mental Health Resilience Officer

# Education



NAEMT is a global leader in EMS continuing education.

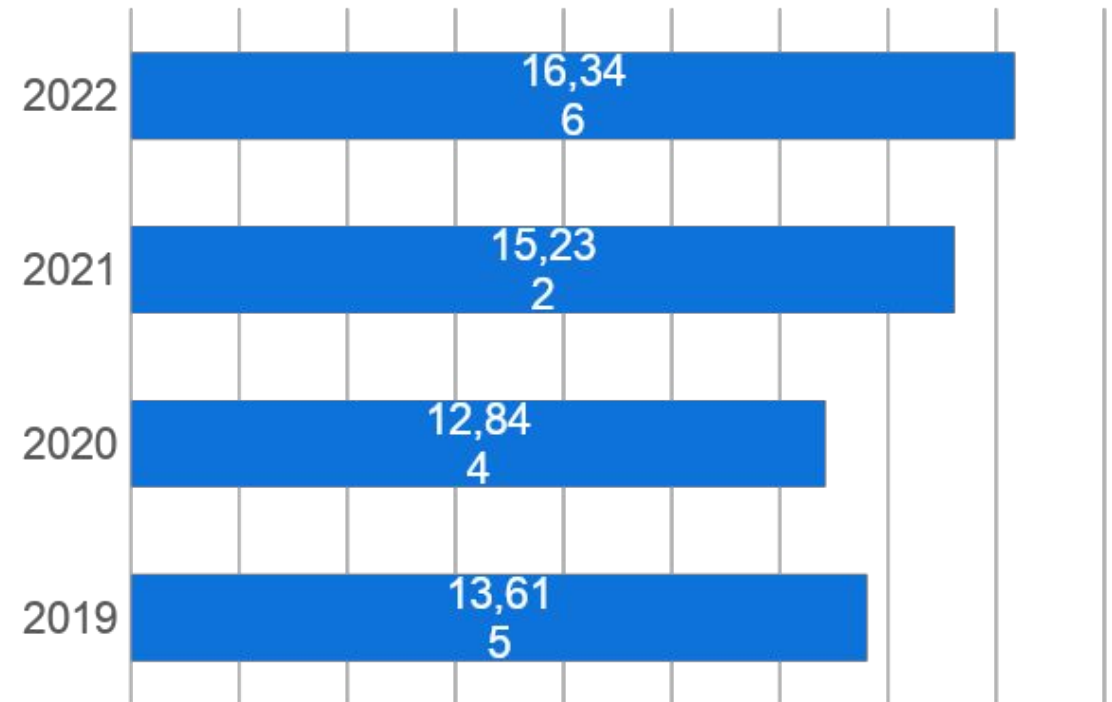
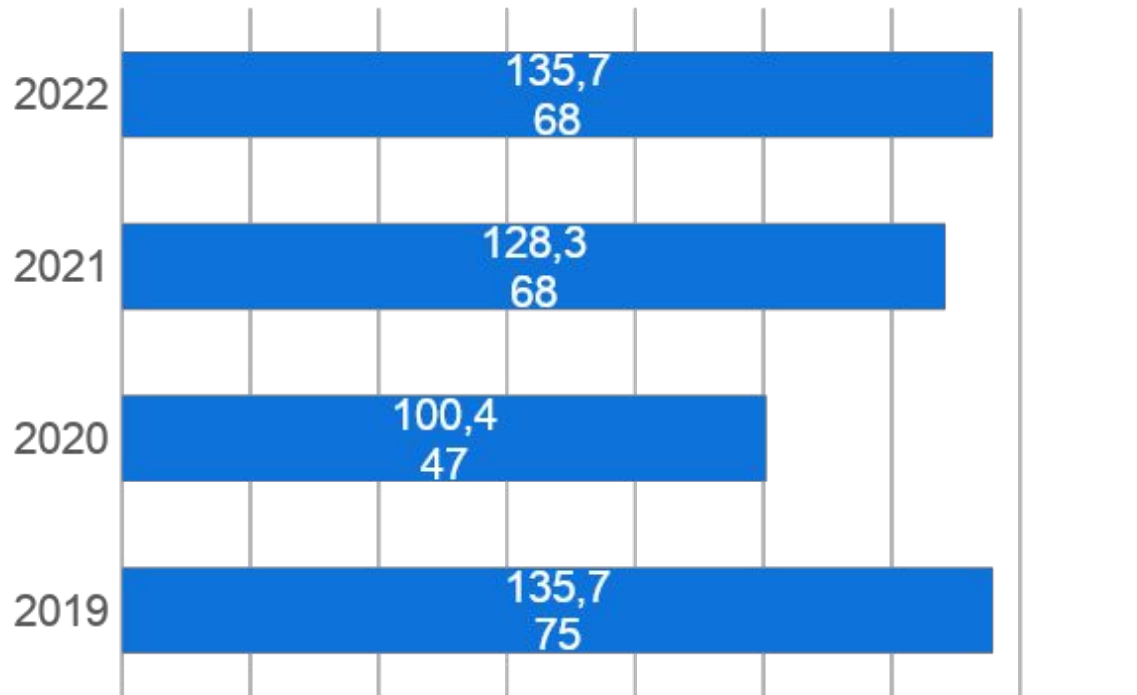
NAEMT educates over 130,000 students each year in over 80 countries worldwide.

# NAEMT Education Delivery

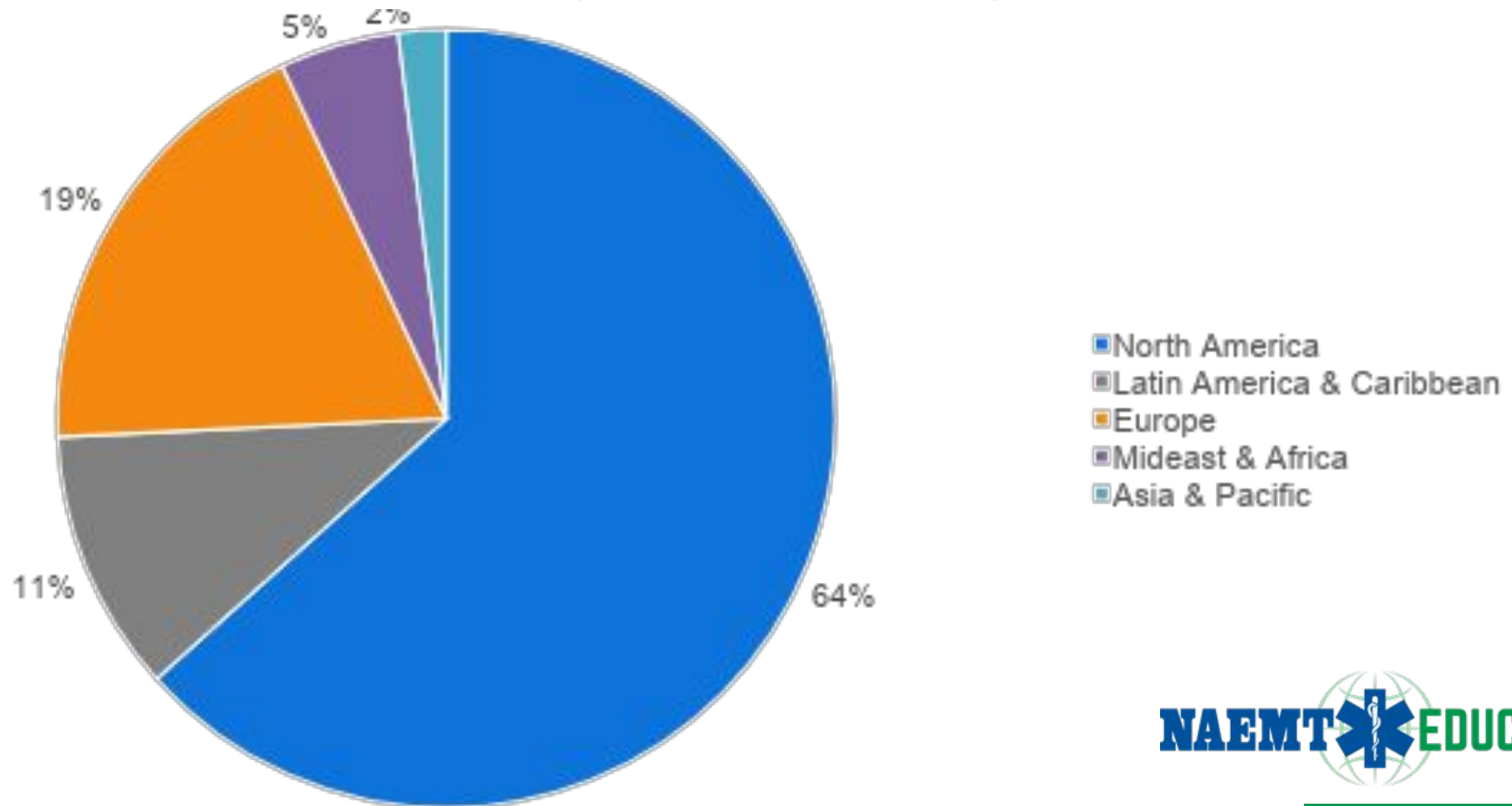
- Education delivery formats:
  - In-classroom courses
  - Virtual instructor led training (VILT)
  - Hybrid classes (online didactic learning with classroom skills practice)
  - Online continuing education
- Critical thinking and learning reinforcement encouraged through:
  - simulations
  - skill stations
  - videos
  - case studies
  - group discussions

# Current Classroom Trends

## Students Taught



# NAEMT Education by Global Region





## **TECHNICAL WORKING GROUP EDUCATION AND TRAINING SUBGROUP**

### Continuing Education Programs and Research

- + Could course participation outcome data be collected and used for:
  - Federal collaborations for developing or improving:
    - ✓ Evidence-based guidelines
    - ✓ Quality improvement programs
    - ✓ Data systems linkages
    - ✓ Systems integration
    - ✓ Preparedness
    - ✓ Workforce health, resilience, and safety
    - ✓ Education, continuing education, and field training

# National Association of State EMS Officials (NASEMSO)

## NASEMSO Education Council

- In November of 2022, the NASEMSO Board voted to elevate the Education Committee to the “**Education Council**”.
- Councils differ from committees as they represent major efforts of state EMS offices. (e.g., licensing of personnel, trauma systems, data management)
  - Council members are appointed by the individual state’s EMS Director
  - The Council Chair is a voting member of the Board
  - Councils are required to develop a workplan and report progress



## Workforce Project:

- Under a cooperative agreement with the NHTSA Office of EMS, NASEMSO is seeking to determine what states can and cannot measure regarding the EMS workforce and develop recommendations for future data efforts.
- Early reports from the states indicate significant data gaps related to **EMS education**:
  - What is the productivity level of EMS education programs?
  - Are EMS education programs effective in meeting the current demands?
  - What are reasonable expectations/performance measures for EMS Education programs?
  - At what rate do EMS education programs have to produce qualified students in order to meet future workforce demands?





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## **TECHNICAL WORKING GROUP EDUCATION AND TRAINING SUBGROUP**

Questions about information presented today?

Contact the Subgroup Co-chairs:

- Michael Stern – [Michael.Stern@fema.dhs.gov](mailto:Michael.Stern@fema.dhs.gov)
- Clary Mole – [Clary.Mole@dot.gov](mailto:Clary.Mole@dot.gov)