



2019 NAEMT

European Education Meeting

Newcastle, United Kingdom



Welcome

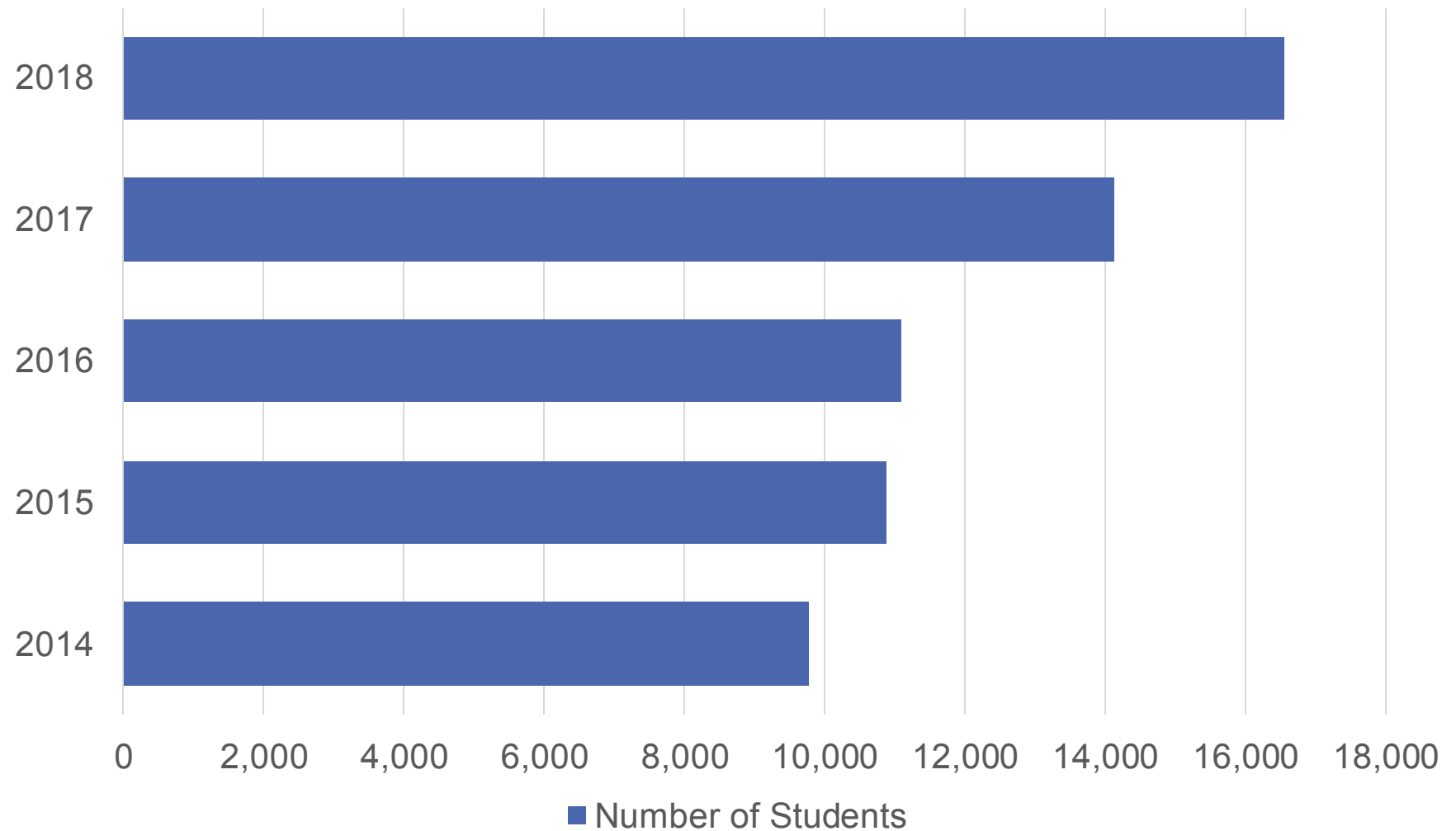
**Patrick Wick**  
Chair, PHTLS Europe

# 2018 NAEMT Education in Europe: Students by Programs

AMLS	3,612
AMLS Basics	0
EPC	780
EVOS	0
GEMS	217
NAEMT instructor	287
PEPL	0
PHTLS	7,430
PHTLS First Response	807
PTEP	0
Safety	5
TCCC Medical Personnel	1,346
TCCC All Combatants	578
TECC	1,492

**16,549  
TOTAL**

# NAEMT Education in Europe: 2014-2018

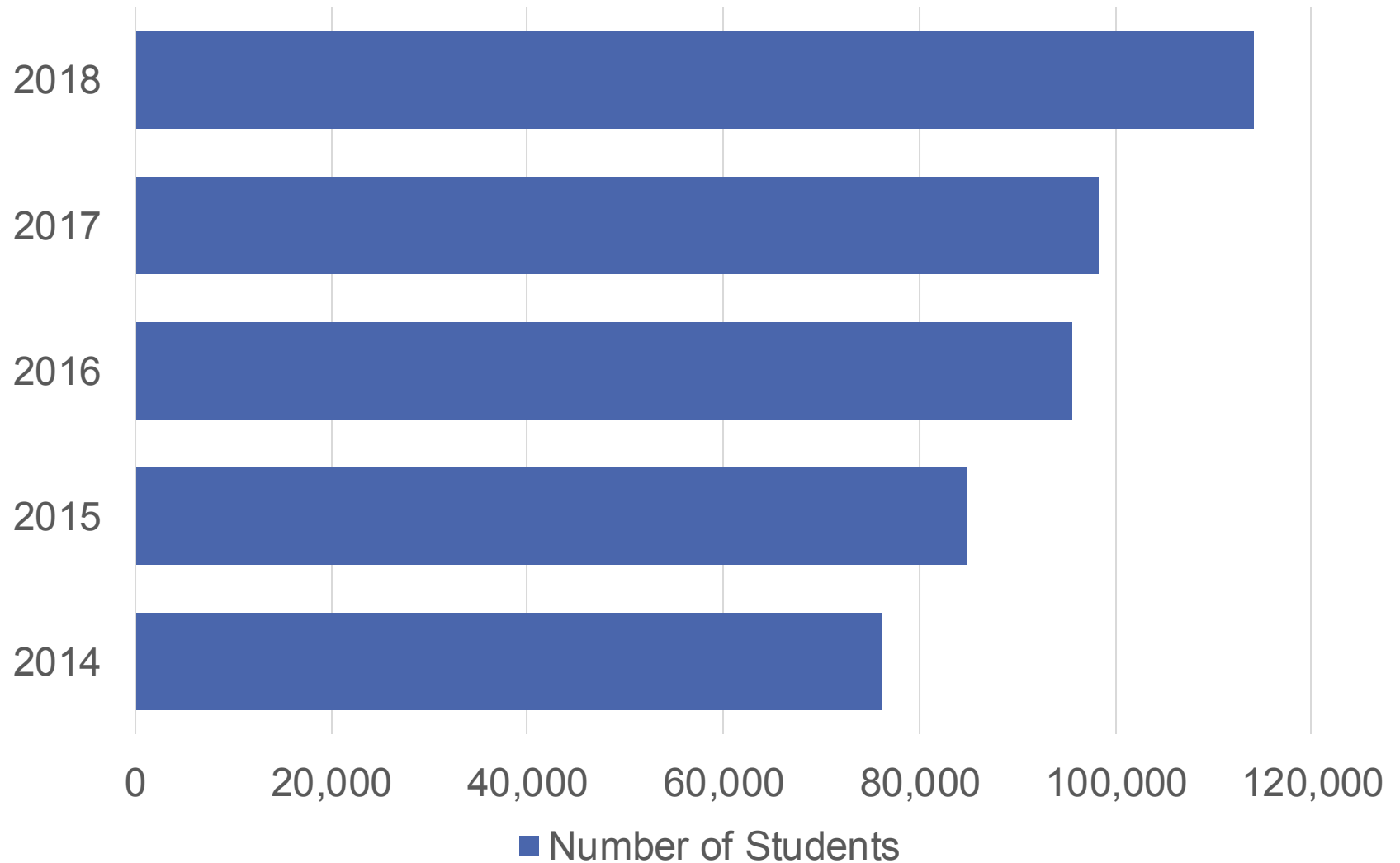


# 2018 NAEMT Education Worldwide: Students by Program

AHDR	1,411
AMLS	16,399
AMLS Basics	82
EPC	5,246
EVOS	1,900
GEMS	3,519
NAEMT instructor	3,837
PEPL	380
PHTLS	52,458
PHTLS First Response	2,541
PTEP	659
Safety	2,377
TCCC Medical Personnel	8,822
TCCC All Combatants	5,285
TECC	9,130

**114,046**  
**TOTAL**

# NAEMT Education Worldwide: 2014-2018





Albania

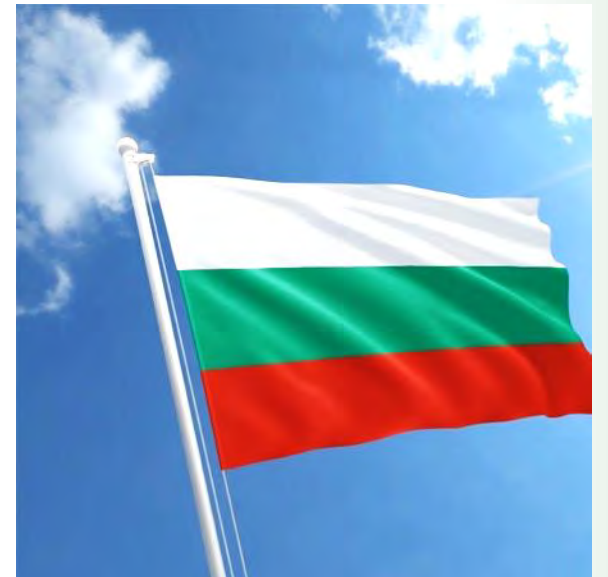
**Dr. Alberto Adduci**  
Italy





**Bulgaria**

**Riana Constantinou**  
Cyprus







# PHTLS PROMULGATION IN BULGARY





# PHTLS

SOFIA 23-24/1/2019



Population  
7,102 millions





# PHTLS

## RED CROSS FACILITIES

The course was organized to Red Cross Buildings, a very large area with a lot of buildings and training centers inside, suitable for teaching.

Enough rooms for Patient simulations and Skills stations, well office equipment. White boards, computers, projector, printers, tables and chair for faculty and students.







# PHTLS

## FACULTY TEAM



- ✓ Well Knowledge in Prehospital Field
- ✓ Good skill Techniques
- ✓ Bond between them
- ✓ Very polite
- ✓ Hard worker
- ✓ Trying to arrange everything by the book





# PHTLS

## COURSE MATERIALS







# PHTLS

## SKILLS STATION EQUIPMENT

All the equipment needed for the course and more. Manikins and all the materials needed for the skills stations such as patient simulation, airway, spinal, pediatric, rapid extrication. They even had special cars for rapid extrication.





# PHTLS

## SKILLS STATION EQUIPMENT







# PHTLS

## ADMINISTRATIVE

Everything was ready such as:

Students folders (program plan, student list, instructor list, evaluation forms, answer sheets, paper for notes, pensils)

Instructor folders(program plan, student list, instructor list,paper for notes,pensils)

Post Test printed in folders







# PHTLS

## PATIENT MOULAGE





# PHTLS

## SKILL STATIONS







# PHTLS

## SKILL STATIONS

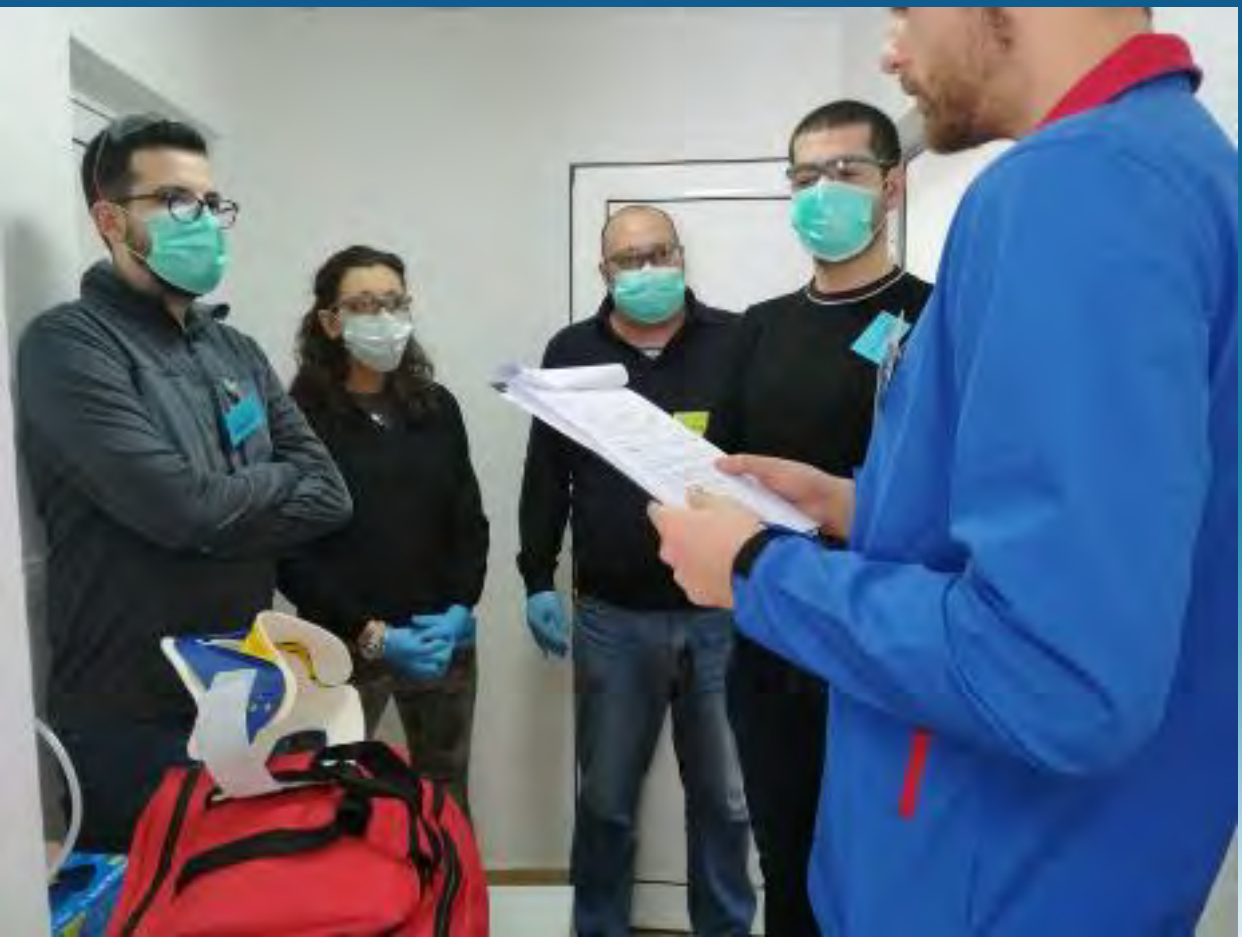






# PHTLS

## SKILL STATIONS







# PHTLS

## Press Conference







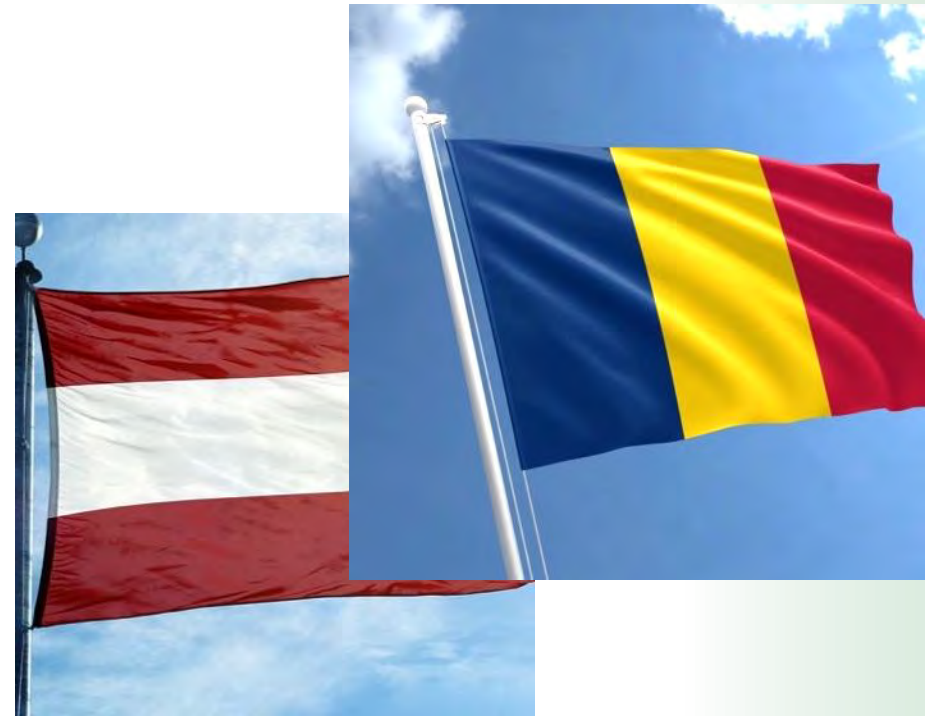
# PHTLS





## Latvia and Romania

**Dr. J.C. Pitteloud**  
Switzerland



# Poland

- Training Centers:
  - Military Institute of Aviation Medicine, Warsaw
  - National Counterterrorism Unit, Warsaw
  - Military Center for Medical Education, Lodz
  - Medical Emergency Department at the Faculty of Health Sciences at the Medical University of Warsaw, Warsaw (in process)
  - Lazarski University, Warsaw (in process)
- 37 instructors. Conducting PHTLS, TCCC and EMS Safety courses.



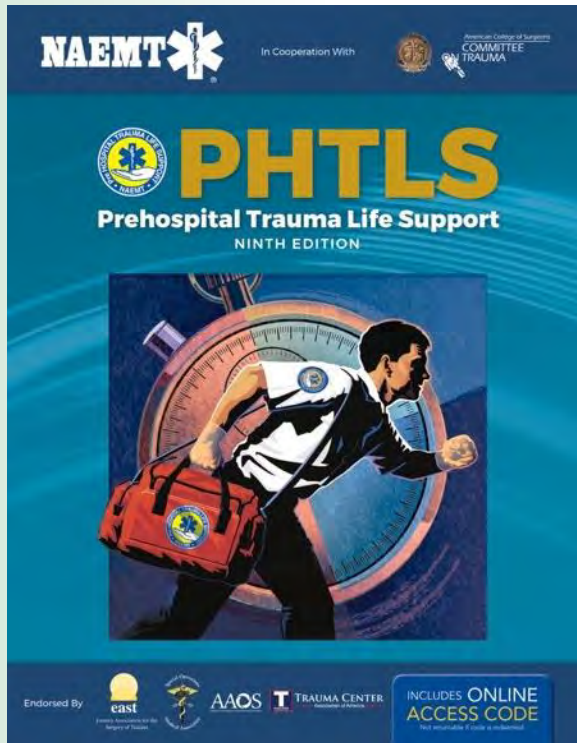


# Other European Opportunities

- Croatia
- Finland
- Hungary
- Iceland
- Luxembourg
- Russia
- Slovakia
- Slovenia



# NAEMT EDUCATION



## Update on the PHTLS 9th Edition

**Dr. J.C. Pitteloud**  
Member, PHT Committee



# Launch of English 9th edition

- Feedback to date on English course is very positive. Faculty and students are finding value in the course.
- The online (hybrid) component of the course is now in production and will publish in June, 2019.
- Translations are underway in 15 additional languages. The language versions of the 9th edition will begin to publish next month, beginning with Spanish.
- Many of our colleagues here today and at home are participating in the translations process. Thank you for all of your great work!



# Additional PHTLS 9 components

- Additional components of the 9th edition PHTLS Instructor Toolkit (ITK) are in development. As they are completed and published in English, you will be notified by JBL and the files will become available through your JBL account if you have purchased the English PHTLS 9th edition ITK.
- Alison Lozeau at JBL-PSG will send those individuals and groups working on translations the files for these additional components as soon as they publish in English.



# Additional PHTLS 9 components

- Additional mass casualty scenarios — now in production and will become available in English in June.
  - bus accident with multiple pediatric trauma patients;
  - weaponized vehicle trauma coupled with stabbing incidents;
  - multiple vehicle accident with multiple trauma patients.
- PHTLS 8 hour refresher course — expected English publication in August.



# Additional PHTLS 9 components

9th edition Optional Lessons — now in production and will publish in English starting in August.

- High Altitude Trauma Response
- Kinematics of Trauma
- Point of care ultrasound (POCUS)
- Responding to Hypothermia
- Heat-related illness (Hyperthermia)
- Dive Emergencies
- Wilderness Trauma
- Simple thoracostomy





# Additional PHTLS 9 components

- A skills checklist has been developed and is in production to assist faculty in evaluating students skills. It will be available in June and we will send it to you to share with your faculty.
- The new 8-hour PHTLS for First Responders course based on the 9th edition is in development with an expected English publication in October.
- The new validated PHTLS 9 test has been beta tested and the committee is in the process of selecting the final questions.



# Feedback Is Welcomed

- PHT Committee sincerely appreciates all of the feedback we receive from faculty and students.
- We are committed to responding to your comments and providing you with the tools and resources to ensure that your students receive an outstanding educational experience.
- Thank you very much for your continued support of PHTLS, our students, and the patients they serve.





## Update on the 3rd edition of AMLS

**Dr. Bengt Eriksson**

Member, AMLS Committee



# AMLS 3rd edition textbook

- Revisions reflect latest evidence-based research, and results of surveys from AMLS students and faculty.
- Several new chapter editors and authors representing subject matter expertise in chapter topics are involved in this edition
- All chapter first drafts have been completed and have been sent for external review.





# AMLS 3rd edition textbook

Major changes include:

- Two new chapters on Pharmacology and Sepsis.
- New section on bioterrorism in the Infectious Disease chapter.
- Updated images, statistics, references throughout the book.
- New “tip” and “rapid recall” boxes in each chapter to guide the student.
- All new end of chapter questions.
- Content revised and updated to reflect prehospital provider experiences in the field.



# AMLS 3rd edition Table of Contents

Chapter	Author(s)
1: Advanced Medical Life Support Assessment for the Medical Patient	Becker
2: Respiratory Disorders	French, LeBlanc
3: Cardiovascular Disorders	Levy, Touzeau
4: Shock	Fowler, Rahm
5: Neurological Disorders	Williams, Burket, DeLuca, Miller
6: Abdominal Disorders	Gilmore, Mayer, Manifold
7: Endocrine and Metabolic Disorders	Carney, Shearer
8: Infectious Diseases	Holman, Humphrey
9: Environmental Disorders	Ellis, Macleod
10: Toxicology, Hazardous Materials, and Weapons of Mass Destruction	Everitt, Varney
11. Medication /Pharmacology	Bronsky, Warth, Swank
12. Sepsis	Duckworth, Molander, Oakley
Appendix A: AMLS Assessment Pathway	
Appendix B: Answers to Clinical Questions	
Glossary	



# AMLS 3<sup>rd</sup> edition Course – Learning Objectives

- Describe the interactions of the anatomy, physiology, and pathophysiology of etiologies of a variety of illness and medical conditions of adult patients.
- Demonstrate the value of the AMLS Assessment Pathway as an essential approach to assessment and management of adult patients with illnesses and a variety of medical conditions.
- Apply the AMLS Assessment Pathway to assessment and management of adult patients with illnesses and a variety of medical conditions.
- Demonstrate knowledge and skill in assessment of adult patients presenting with illnesses and medical conditions.
- Employ differential diagnosis to identify life threats requiring immediate management.
- Demonstrate knowledge and skill in early management of medical complaints.



# AMLS 3rd edition course

- Course editor team comprised of 12+ experienced faculty who are working on course lessons, patient simulations, and scenarios.
- Course editors are incorporating feedback received through the survey to faculty and students.
- NAEMT invites interested faculty in preparing patient simulations and scenarios for the 3rd edition. Please contact me if you are interested.





# Update on Other NAEMT Courses



# EPC 4th edition

EPC 4th edition – scheduled for publication in Spring, 2020.

- In addition to the committee, 15 authors are participating in this project.
- 4th edition will include a new, interactive course manual.
- New content on provider grieving.







# Update on TECC

- TECC 2nd edition – will publish in English in June.
- TECC-LEO – in development, and will use the TECC 2nd edition as a basis for this 8-hour course for first responders.





# Update on AHDR, GEMS and EMS Safety

- Subject matter expert reviews of AHDR, GEMS and EMS Safety are in process. Surveys to faculty and students will be sent out this summer.



# Update on NAEMT courses

- Critical Care Test Preparation – first draft is being finalized, and will be beta tested at EMS World Expo in New Orleans.
- Community Paramedicine Curriculum – 74 classroom hours and 184 hours of clinical rotations, include 40 in primary care.
- NAEMT Instructor Preparation Course – learning objectives have been revised and revised content is in development. Scheduled to publish in Spring 2020.





## EMS Systems Presentation: EMS in the United Kingdom

**Will Broughton**

NAEMT Education Coordinator, UK

Director – College of Paramedics, UK





# UK EMS

Will Broughton





# Paramedics

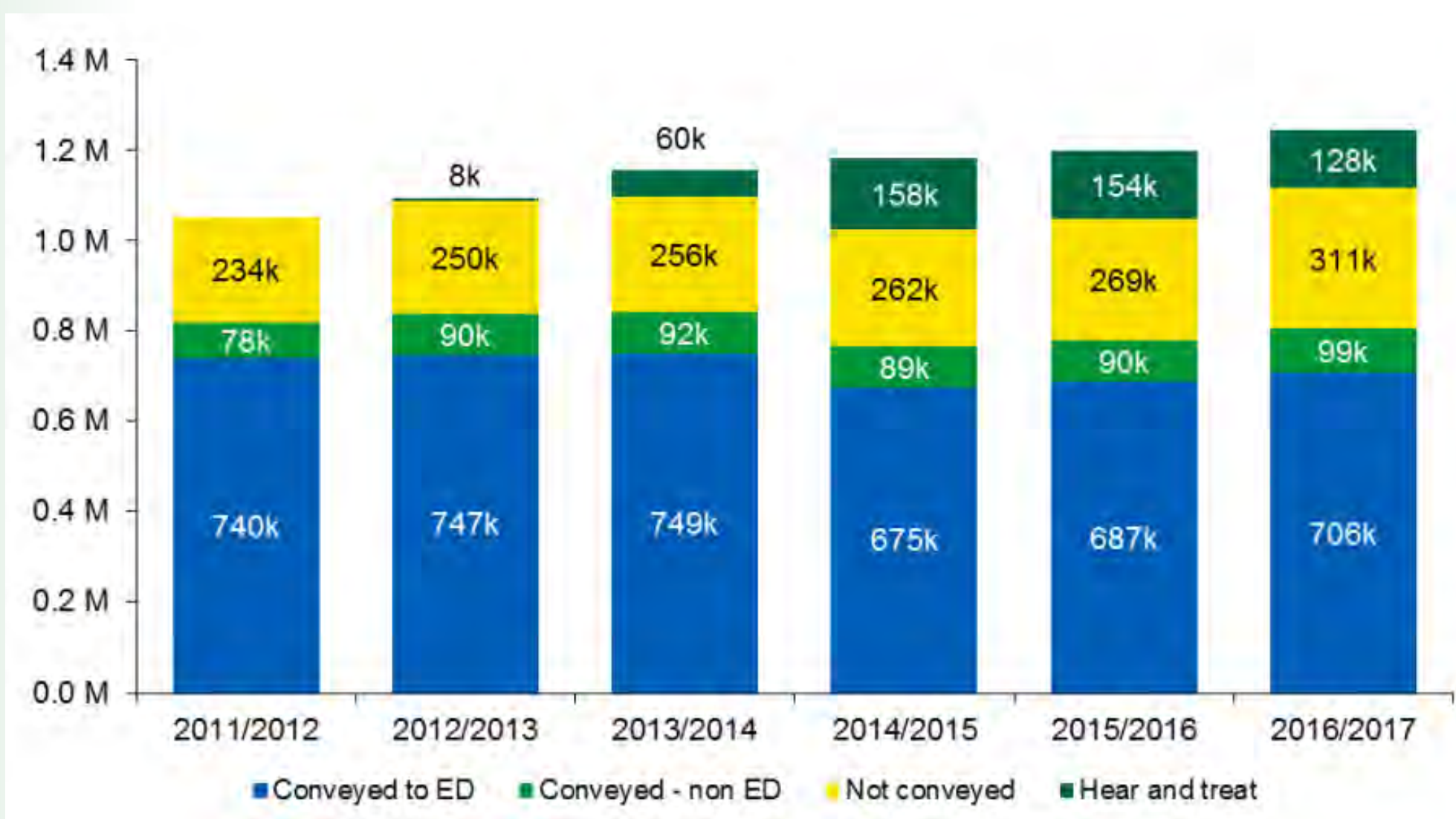
**hcpc**

**registered**

[www.hcpc-uk.org](http://www.hcpc-uk.org)



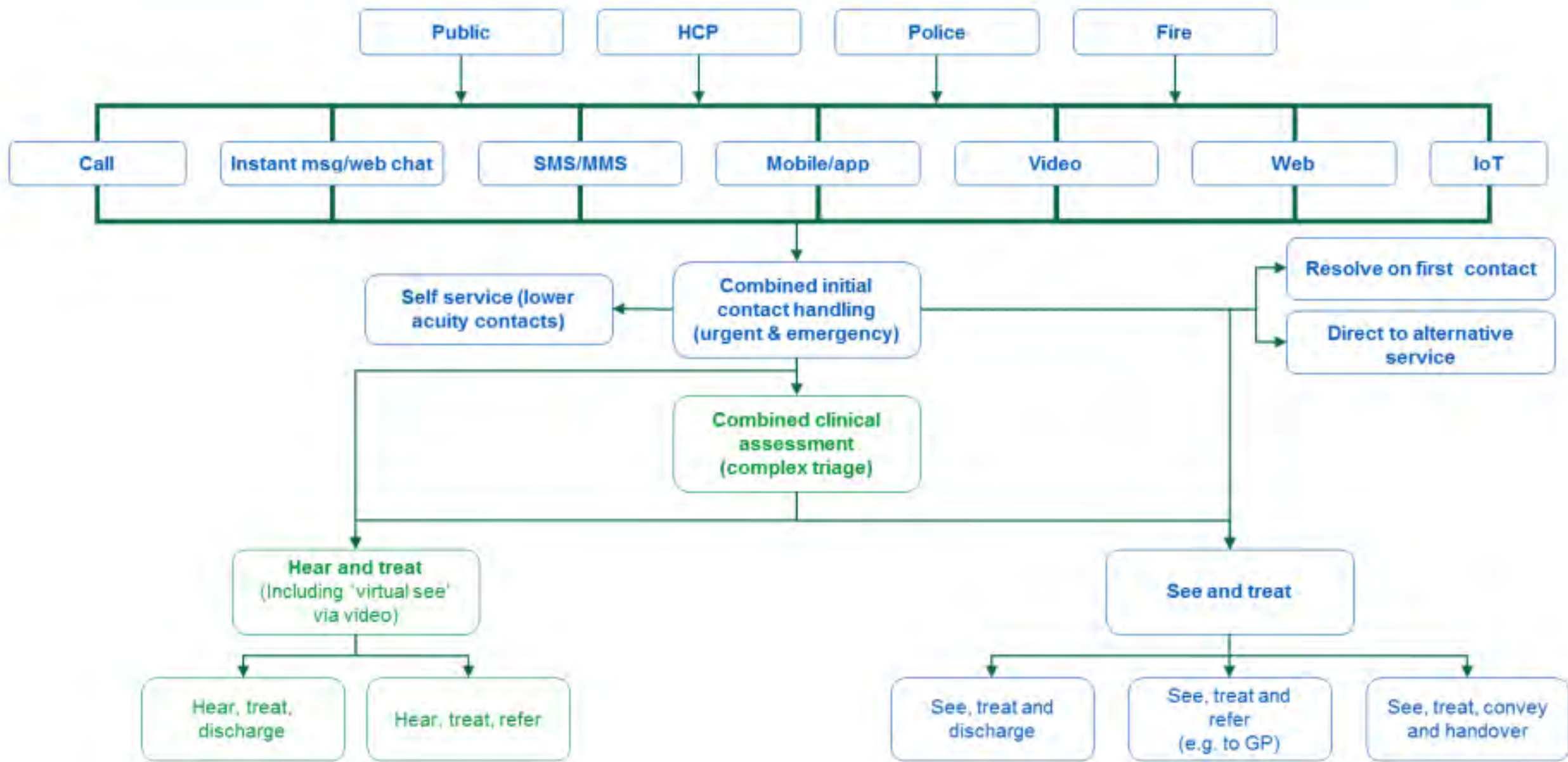


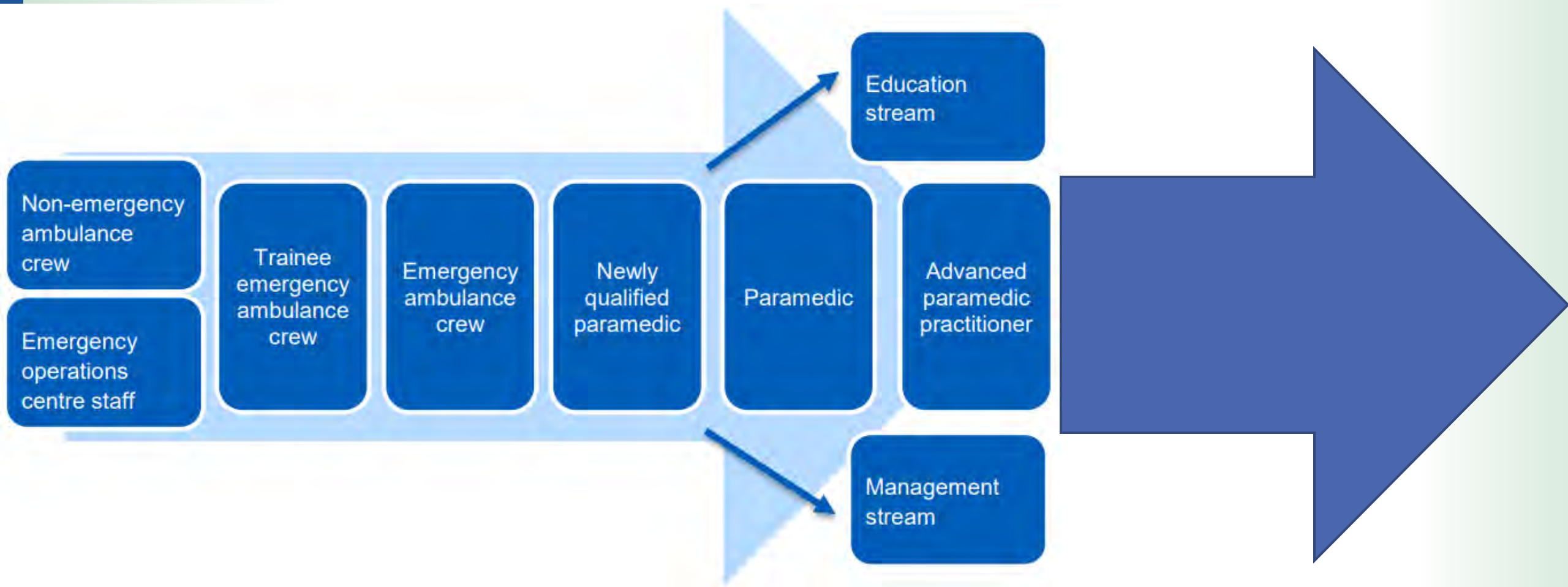












# Paramedic numbers in the UK

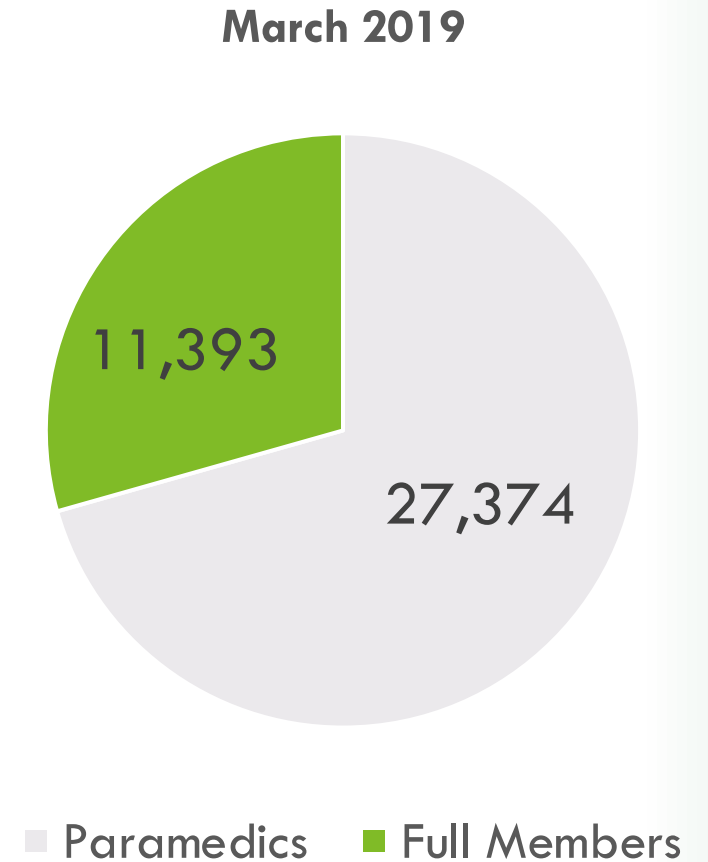
March 2014 (21,014)

- Growth of over 6,000 in 5 years

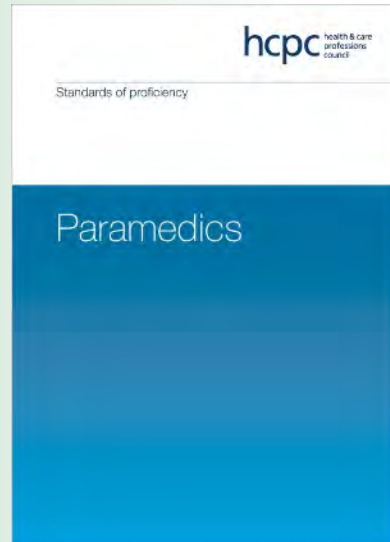
Projection

- March 2023 (32,000+)

Supply does not meet demand



# Paramedic education and training



‘A paramedic is an autonomous practitioner who has the knowledge, skills and clinical expertise to assess, treat, diagnose, supply and administer medicines, manage, discharge and refer patients in a range of urgent, emergency, critical or out of hospital settings’

1970-1985

- Certificate
- Extended skills

1996-2000

- First degree programme
- Registration

September 2021

- Degree only entry
- BSc (Hons)





## Clinical Practice

- *Paramedic > Consultant > Director*

## Education

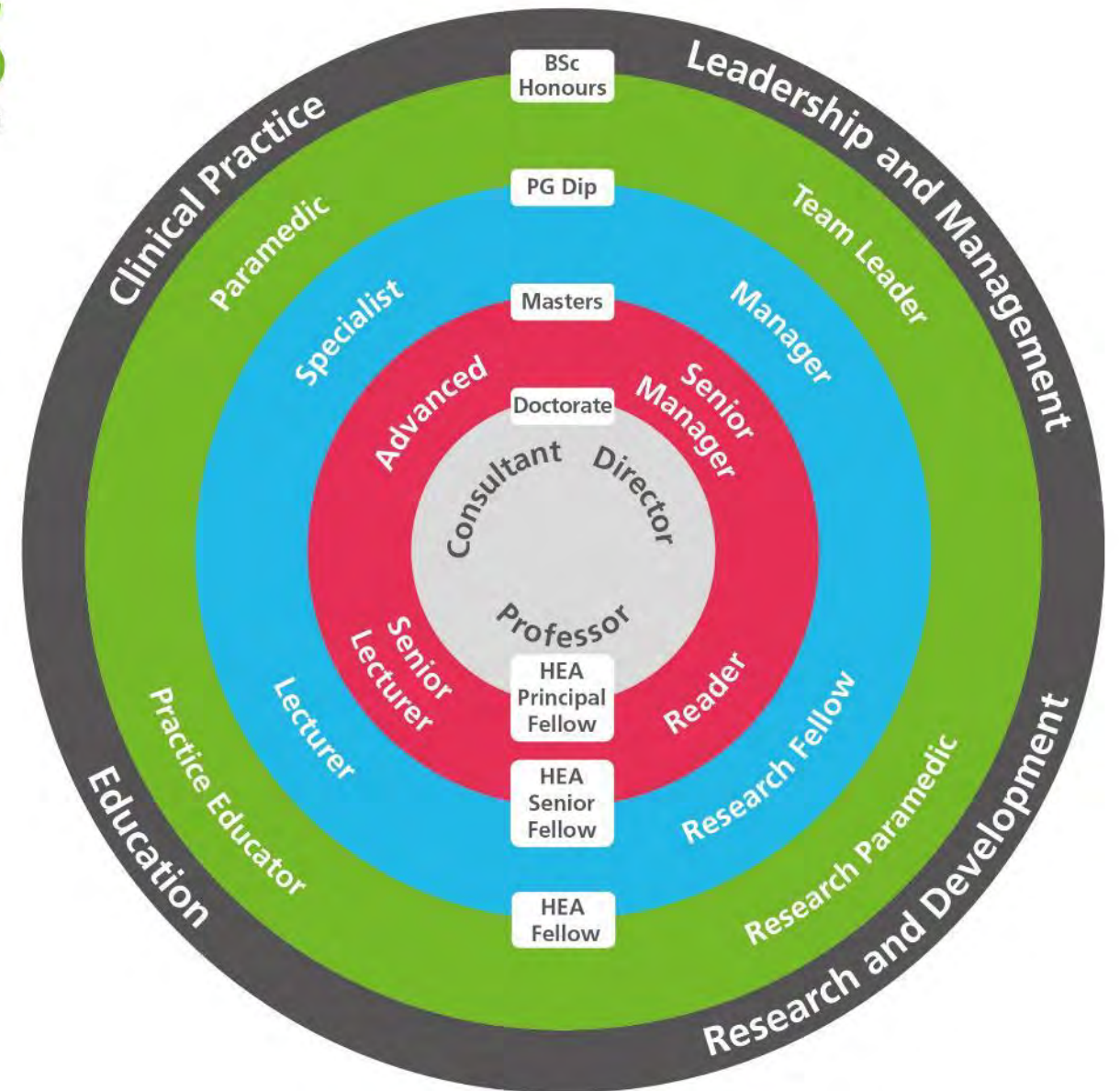
- *Lecturer > Professor*

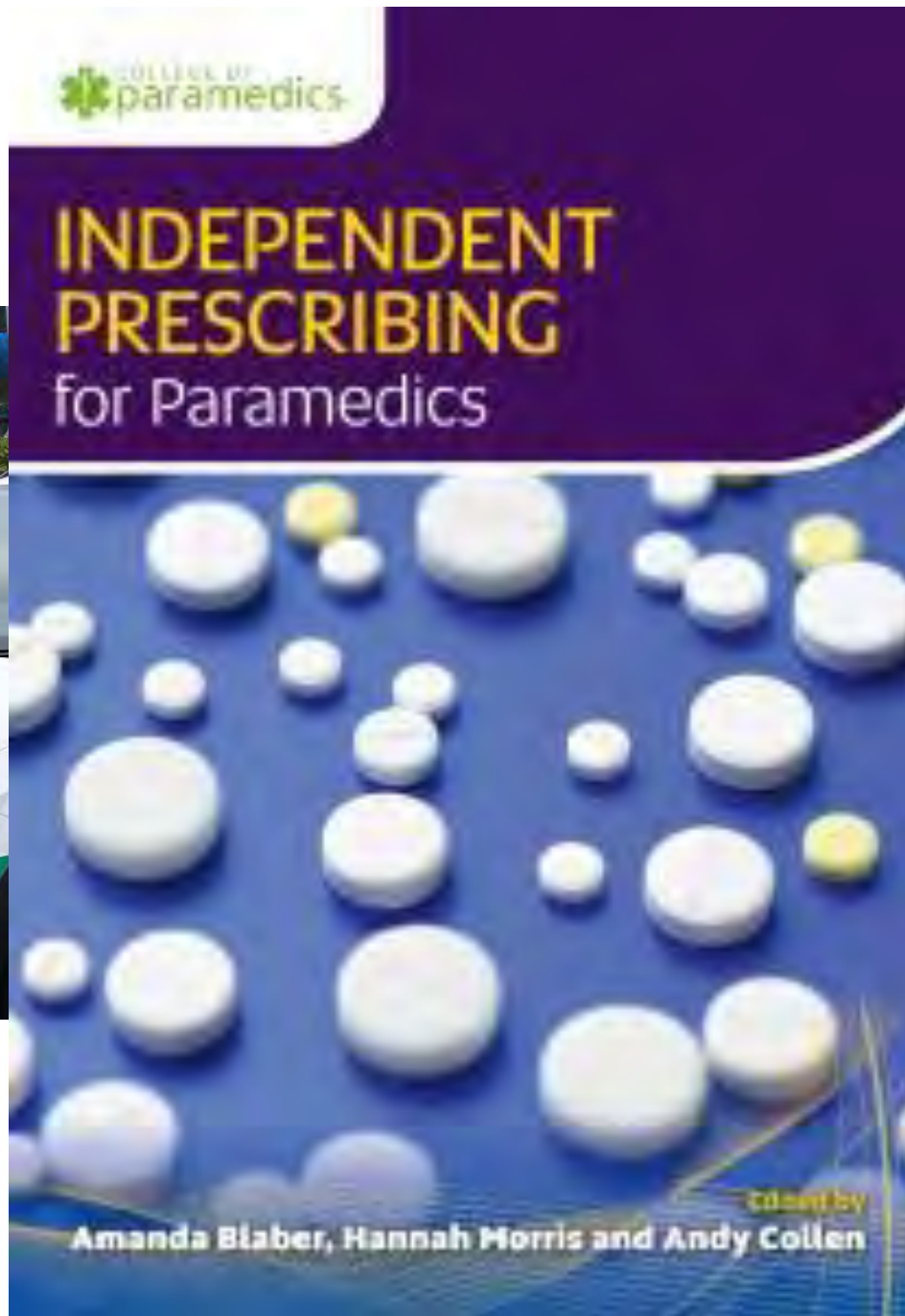
## Research and Development

- *Research Paramedic > Professor*

## Leadership and Management

- *Team Leader > CEO*





Handwritten text in a stylized, geometric script, possibly representing a name or a phrase. The characters are composed of thick black lines and dots, arranged in a roughly rectangular shape.

DARIUS FORoux





# Nicolas Lefebvre

## Rescue Week – Paris, France







Latest Trauma Research,  
New Trauma Innovation  
from the United Kingdom

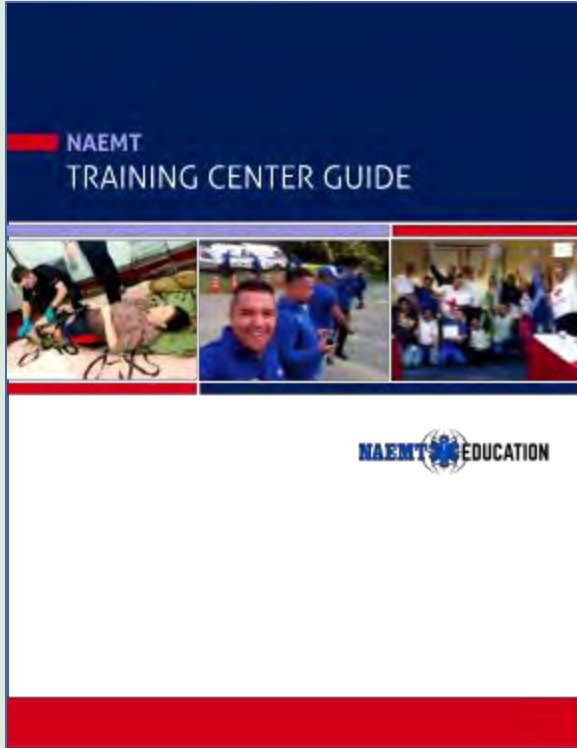


**Gordon Ingram, Operations Manager**  
**Andy Mawson, Director of Operations**  
Great North Air Ambulance Service



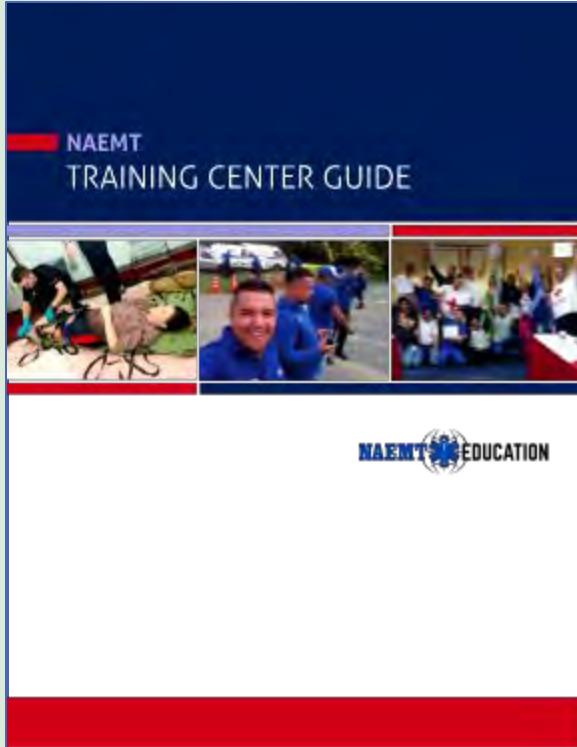
## Update on NAEMT Course Administration and Policies

**Pam Lane**  
NAEMT



# NAEMT Policy Changes

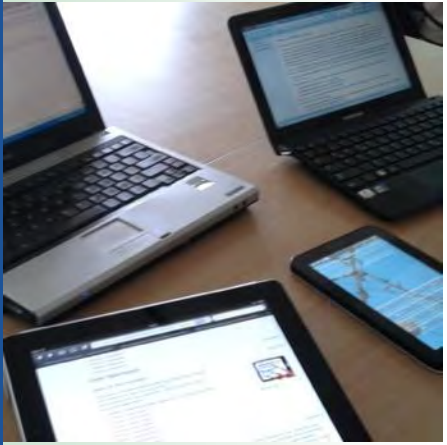
- New training center guide published
  - Modified qualifications for course medical director
  - Modified qualifications for adjunct faculty and limited adjunct faculty participation
  - Modified qualifications for Affiliate Faculty
  - New definitions of training center representative, medical director and assistant



# NAEMT Policy Changes (continued)

- Revised Education Policy for training centers
  - Minimum of one course every two years per program
- Implementation of current policies regarding instructor requirements





# Enhanced Online Tools

- Searchable listing of all authorized NAEMT training centers by country and city.
  - To address questions about organizations to conduct NAEMT courses.
  - To assist individuals and groups in finding courses.
- GDPR compliance – opt-in functionality
- Updated fields - to reflect new training center guide.
  - TC representative
  - TC medical director
  - TC assistant – not required
- Ability to pay for multiples courses with one payment



## Update on Course Material Translations and Distribution



**Alison Lozeau**  
Public Safety Group, JBL

**Lorna Downing**  
CEO, Class Publishing

**CLASS**  
PROFESSIONAL  
PUBLISHING

**NAEMT**  **EDUCATION**

# 2019 NAEMT European Education Meeting

## Translations and Localisations Support and Distribution



# Objectives

- PHTLS 9th Edition
  - Translation/Localisation Status
- Translation/Localisation of TECC 2nd Edition
- Translation/Localisation of AMLS 3rd Edition
- Support and Distribution



# PHTLS Ninth Edition

Ongoing Translations/Localisations in the Following Languages:

Dutch

Italian

Swedish

French

Portuguese

UK

German

Romanian

Ukrainian

Greek

Spanish

# TECC Second Edition

## Key goals of the revision:

- Address the current Tactical Emergency Medical Support (TEMS) domains
- Ensure consistency with current Committee on TECC guidelines
- Greater focus on civilian tactical prehospital care, including tourniquet application
- Create a new resource to reinforce key course concepts for students: the Course Manual

# TECC Second Edition

## Revision highlights:

- Each component of the MARCH assessment is presented in an individual lesson
- EMS and tactical nomenclature have been integrated
- Care of pediatric casualties is addressed in each lesson
- All new patient simulations and tactical scenarios covering all phases of care
- New TECC Course Manual includes content from the TEMS chapter in PHTLS 9e

# TECC Second Edition

## Course enhancements:

- Immediate action drills incorporated into every lesson to ensure that practitioners are building “muscle memory” on tourniquet application.
- New TECC Course Manual designed to be a valuable resource to course participants with expanded sections on TECC topics and references for each lesson.



# TECC Second Edition

## Components to be Translated/Localised

### Course Manual

10 Lessons: approx. 250 manuscript pages

### Instructor Resources

- Every translation includes a translated Instructor's Toolkit

Digital Instructor's Toolkit consists of:

- 10 Lesson Presentations in PPT
- 8 Patient Simulations
- 13 Skill Stations
- Final Evaluation Station
- Instructor's Manual
- Course Plan
- Fisdap-Validated Post-Test

# TECC Second Edition

## When Translations/Localisations Will Begin

<b>Course Manual</b>	Final Files available June 2019
<b>Instructor Resources</b> <ul style="list-style-type: none"><li>• Every translation includes a translated Instructor's Toolkit</li></ul>	Final Files available June 2019
<b>Instructor Update</b>	Final Files available now



## NATO and TCCC Standardization

**SMG Sandro “Rabbit” Heinrich**

Senior Enlisted Medical Advisor

German Joint Command Special Operations



# NATO and TCCC Standardization

SMG Sandro "Rabbit" Heinrich





# SMG Sandro “Rabbit” Heinrich



- Joined GE Mountain Ranger 1994
- Selection Course GE SOF T1 (KSK) 1998
- Team Medic 2000
- Senior Medic KSK 2009
- Paramedic 2011
- NATO SOF Senior Enlisted Medical Advisor NSHQ 2015
- Chairman NATO SOF Tactical Medicine Panel 2016
- Call of the CoTCCC 2017
- Chairman International Committee SOMA 2017
- Joint Headquarter Special Operations Op 2018 (SEMA)
- BSc ( Hons) Paramedic Studies



# NSHQ & UCC



# UCC

Coláiste na hOllscoile Corcaigh,  
University College Cork, Ireland



Security  
& Defence  
**Medicine**

University College Cork



## NSHQ Medical Standards & Training Directive 2017

- 3.1.b: Training requirements (all soldiers)
  - “TCCC training in accordance with the latest TCCC guidelines for all combatants published by the Committee on Tactical Combat Casualty Care (CoTCCC)
- 4.1.a: Training requirements (NSOCM)
  - “Provide advanced trauma care in a tactical environment following TCCC guidelines”



## National Association of Emergency Medical Technicians (NAEMT)

- Pre-hospital Trauma Life Support (PHTLS)
  - Military edition
- Tactical Combat Casualty Care (TCCC)



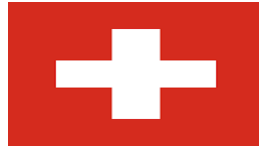
**NO DEVIATIONS** from CoTCCC  
Curriculum







# NATO NAEMT Training Centre





# TCCC Instructor



- NSHQ Allied Centre for Medical Education
  - Combat Medical Simulation & TCCC Instructors course (2 weeks)
- International Special Training Centre
  - TCCC Train the Trainer course (2 weeks)





# NATO Medical Panel Meeting



- 01 – 05 April 2019, UCC, Ireland
- NATO CoMEDS Emergency Medical Panel
- SOF Tactical Medicine Panel (SOF Medics)
- NATO CoMEDS SOF Medicine Panel (SOF Doctors)



NATO UNCLASSIFIED



- CoMEDS requested specific work from the Panels:
- Self And Buddy Aid
- Blood Forward
- Surgical Skills far forward
- Prolonged Field Care

**ALL Results go into NATO Doctrine**





# Self and Buddy Aid



- Follow CoTCCC Guidelines for all services
- Revision of AMedP 8.15 (STANAG 2122) (“strong recommendation to follow latest CoTCCC Guidelines for all services”)
- All (medical) training sites delivering TCCC training should be NAEMT authorized training centres. (goal: all NATO countries should have at least one military NAEMT training centre by end of year 2020)



# NATO NAEMT Training Centres



- Official application to NAEMT US
- Verify they are NATO military through Alan O'Brien (OB) or SMG Sandro "Rabbit" Heinrich
- NAEMT Affiliate Faculty will monitor the initial course and instructors (Rabbit or OB)
- After following the process NAEMT approves the new training center and issues it a unique ID# that allows the training center to deliver NAEMT Education



# Way Ahead



- All NATO and Partner for Peace (PfP) nations will adopt standardized TCCC training across the Alliance
- All TCCC training delivered at NAEMT authorised training centres.
- All Medics will get the similar training across the Alliance
- (NSHQ supported development of 2 programs: NNSOCCM / ISTC NSOCCM )



**Questions?**





Questions?





# Evening Event

**Will Broughton**





2019 NAEMT  
European Education Meeting  
Day 2

Newcastle, United Kingdom

# Small Group Discussions

- Trauma – Riana Constantinou and Bruno Goulesque
- Medical – Bengt Eriksson and Francois Pitance
- Pediatrics – Thorsten Hauer and Will Broughton
- Tactical – Patrick Wick and Javier Uriarte





# Report on European NAEMT Quality Improvement Initiative

**Dr. Neil Pryde**  
United Kingdom



# PEEC QRI Group

## Cyprus

23 - 24 November 2018

Riana Constantinou  
Panagiotis Koukopoulos  
Neil Pryde



PEEC Quality Review & Improvement Group

**To promote, review, and improve  
the quality of PHTLS courses  
in Europe**



## Background

- PHTLS has been taught in Europe for over a quarter of a century, and is generally accepted as the “gold standard” pre-hospital trauma course.
- It is driven by clinical evidence from research and trials.
- *How do we know that PHTLS training standards are consistently high across Europe, and maintained to the “gold standard” level?*





## PEEC Quality Review & Improvement Group

- Quality review is in everyone's interest. It maintains high standards in teaching, conformity, content, and presentation.
- Only by honestly re-evaluating ourselves can we improve.
- It should be a process to support established countries, and new to PHTLS.

So;

- The QRI Group was formed by PEEC.
- First QRI meeting in Stafford in December 2011.
- Working templates were developed for both PHTLS Course and instructor assessment and supportive feedback. Draft paperwork finalised at Weisbaden in February 2012.
- Piloted at a PHTLS course in Scotland in May 2012.



# The Quality Review & Improvement Group



# Process

- Each of the European countries holding PHTLS courses will have one random QRI assessment every four years.
- The evaluating team will consist of one QRI Group member, and one local PHTLS course organiser.
- The completed evaluation form will be sent to the Course Director and Medical Director for comment.
- Any resulting actions to be agreed by the evaluators and the course directors.
- Unresolved critical issues to be reviewed by the QRI Group.
- The cost of the external evaluators travel and accommodation will be the responsibility of the host country.



# Administration

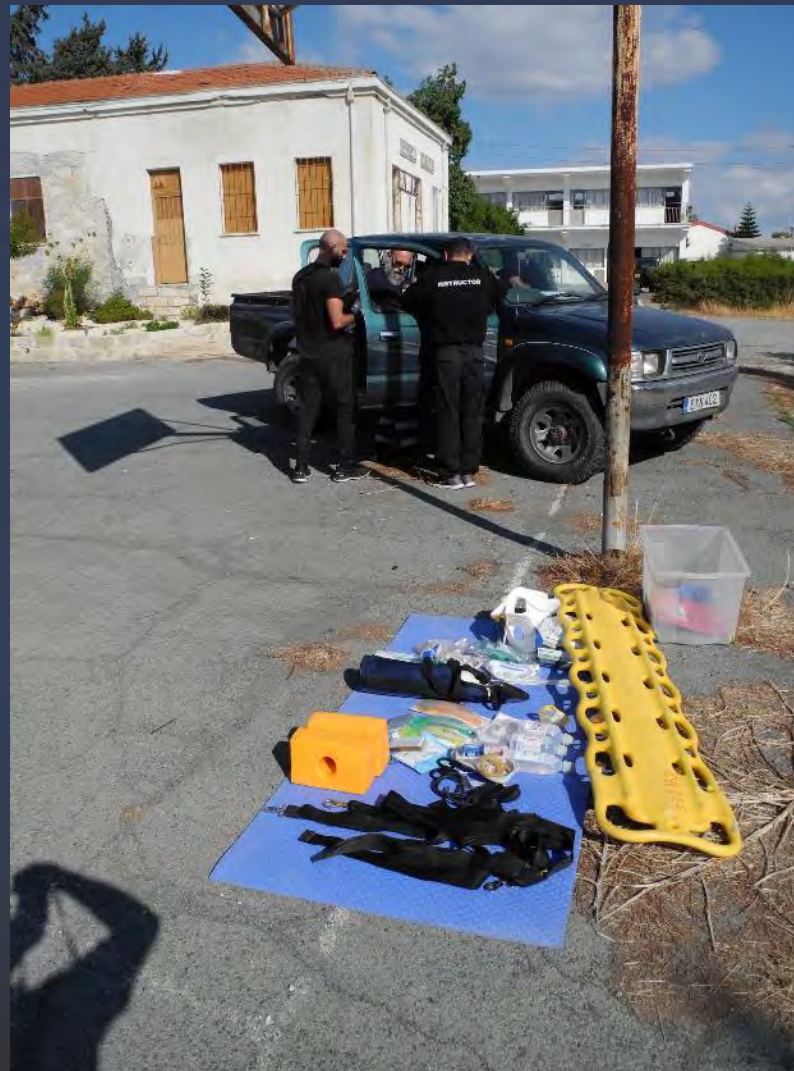




# Facilities







# Pedagogy









# Respect of PHTLS Principals









# Faculty





Eduard Kompast PHTLS-Austria











# Considerations on QRI Assessments

## Pros;

- Affirms good standards, and drives improvements.
- Reinforces good practices, and quality, in delivering courses.
- Identifies training falling short of the expected level.
- Disseminates good practice to the European PHTLS family.
- Promotes inclusivity and openness.

## Cons;

- Cost in time, effort, and money.
- Could distract from the smooth running of a course.
- Only a “snapshot” that does not highlight issues from non-assessed courses.
- Only of any use if it leads to improvement.



- Is it something that PEEC still considers worth the time and effort?
- If so, should it be included as a requirement in the memorandum of understanding?
- If we want QRI to work how do we keep the momentum going.



What next?



Spørgsmål ?

jautājumi ?

Pytania ?

Vraagstelling ?

Questionner ?

ερωτήσεις ?



Any Questions ?

Duvidas?

Fragen ?

Domande ?





# NAEMT European Education Committee Meeting





# Regional European Education Committee – Purpose

- Assist NAEMT in promulgating NAEMT education courses in the region.
- Assist NAEMT with supporting new training centers and training centers that have asked for mentoring assistance.
- Review and suggest appropriate action to address training center or faculty issues, as needed.
- Promote NAEMT education within the region.





## Regional European Education Committee – Purpose (continued)

- Bring issues of concern on policies governing NAEMT's education programs to the attention of NAEMT's Education Committee, including any recommendations for modifications, as needed, to support the achievement of NAEMT's education mission.
- Monitor requirements and trends in EMS education, certification, re-certification, and standards in the region to ensure that NAEMT education meets or exceeds requirements and meets the continuing education needs of EMS practitioners and other prehospital providers;
- Recommend to the NAEMT Education Committee the development of new courses or course content, as needed.



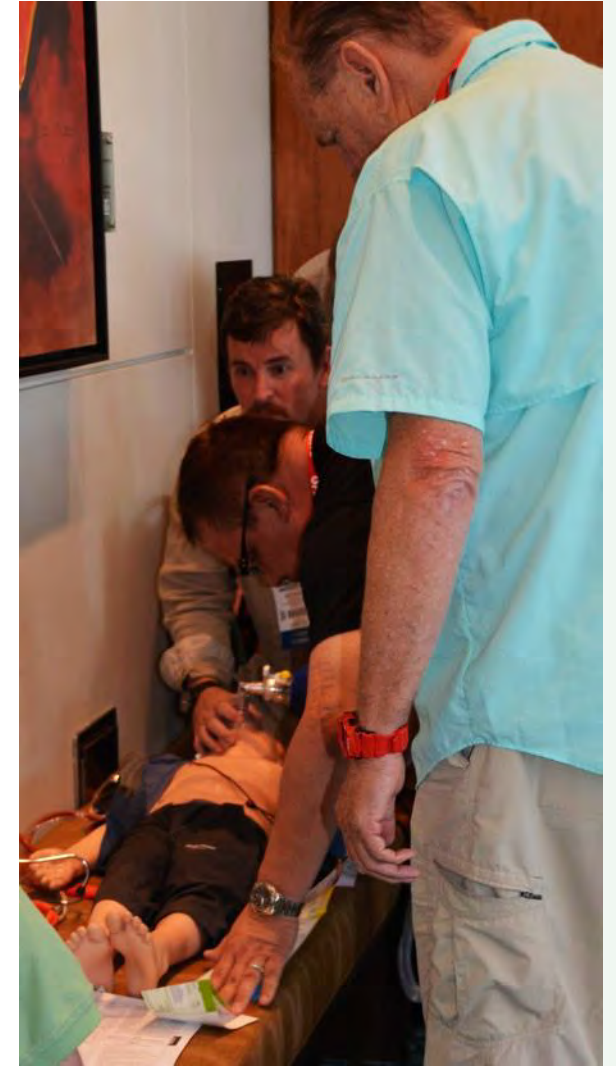
# Committee Composition

Committee members shall be full members of NAEMT, appointed by the NAEMT President annually, and shall include:

- One representative from each national coordinating organization in the region – the National Education Coordinator (or their designated representative).
- 5-7 at-large members from countries without a designated NCO.
- Chair and Vice-Chair shall be appointed by the NAEMT President per the recommendation of the committee.
- Members selected based on a letter of interest/CV submitted to NAEMT, and per the recommendation of the Chair/Vice Chair.

# European Countries with NCO Agreements

- Austria
- Belgium
- Cyprus
- France
- Germany
- Greece
- Italy
- Netherlands
- Norway
- Spain
- Sweden
- Switzerland
- United Kingdom





# Committee Operations

- Committee shall be governed in accordance with NAEMT's bylaws and policy concerning NAEMT committees.
- Regularly scheduled conference calls.
- NAEMT will schedule a meeting of the committee at the NAEMT annual meeting, held in conjunction with EMS World Expo.
- The committee may also convene at least one face to face meeting annually in Europe. NAEMT will provide staff support to that meeting.
- Attendance at face to face meetings shall not be mandatory and the cost for attending these meetings shall be the responsibility of individual committee members.

# Summary of Small Group Discussions

Trauma

Medical

Pediatrics

Tactical





# Regional European Education Committee Open Forum





THANK YOU!

TRAVEL HOME SAFE

