Slide 1

**EMERGENCY MEDICAL CARE ADVISORY BOARD (EMCAB)**

Wednesday, October 17, 2018
10:00AM-12:00PM

Slide 2

**Agenda**

Welcome

EMCAB Standing Committees

Medical Services Committee Report to EMCAB

Informational Presentation: Trauma Registry

Next Steps

Slide 3

**Welcome: Reminders**

Quorum: A Quorum is defined as:

a **simple majority** of the members of a public body, unless otherwise provided in a general or special law, executive order, or other authorizing provision.  G.L. c. 30A, § 18.

**As applied to EMCAB—a quorum equals 21 members (½ of 41 members + 1 )**

Slide 4

**OEMS Updates**

Department Update

* Office relocation to be announced
* Certification Season

MIH update

* Community EMS began accepting applications on October 1.
* MIH and MIH with an EDA component will begin accepting applications in late November.

Slide 5

EMCAB Standing Committees

Slide 6

**Standing Committees: Appointment of Chairs**

At the November 15, 2017 meeting, EMCAB voted on the chairs of three standing committees.

* Communications: Ed McNamara
* Operations: David Faunce
* Community Care and Education: Derrick Congdon

Today, EMCAB will vote on the chairs of the two remaining committees.

Workforce Training

* Nominee: Deborah Clapp

Mass Casualty Incident (MCI) Response

* Nominee: Jonathan Brickett

Slide 7

**Standing Committees: Membership Slates**

Today, we will vote on the proposed Standing Committee Membership Slates for three Committees:

* Communications
* Operations
* Community Care and Education

Slide 8

**Communications Committee Slate (Vote)**

Ed McNamara - Standing Committee Chair, Central Mass EMS, Region 2

Elliot Derdak - CMED Boston EMS, Region 4

Tina Dixson - CMED – CMEMSC, Region 2

David Faunce - SEMAEMS, Region 5

Kathy Haniffy - CMED – AMR, Region 1

Michael Kass - Armstrong Ambulance, Region 3

Rich Patterson - NEEMS- CMED, Region 3

Marc Restuccia - UMass Memorial Hospital, ED Physician/EMS for Children Designee

Ralph Swenson - CMED Barnstable County Sheriff's Office, Region 5

Derrick Congdon - MBEMSC- CMED, Region 4

Deborah Clapp - WMEMS- CMED, Region 1

Slide 9

**Operations Committee Slate (Vote)**

David Faunce - Standing Committee Chair, SEMAEMS, Region 5

Ron Audette - Hospital (non-EMS), St. Anne’s Hospital

Jeff Begin - ALS Service, Brewster Ambulance

Coleman Bushnell - Service Administrator, Norfolk FD

Andrew Farkas - Aeromedical/Critical Care, Boston Med Flight

Tom Henderson - Fire Based EMS, Rockland FD

Michael Hunter - Hospital Based EMS, UMass/WEMS

Gary Huntress - Volunteer Service

Sean Kukauskas - IFT Service, Spaulding Rehab Amb

Joseph O’Hare - Third Service Municipal, Boston EMS

Yolanda Marrow - EMSC, Baystate MC Pediatric ER

Kevin Mont - Private Ambulance, Fallon Ambulance

Joshua Mullen - Rural Fire Dept, Wilbraham Fire Dept

Jeff Scafidi - Private Ambulance, Armstrong

Ben Turnberg - BLS Service, Chicopee FD

Slide 10

**Community Care and Education Committee Slate (Vote)**

Derrick Congdon - Standing Committee Chair, Region 4

Brian Andrews - County Ambulance/ Region 1

Wook Beltran, MD - DO/AHMD/Educator/R1 Medical Director Baystate Health/UMMS

John Broach - Physician/ Region2/ Cadet program/Swat

Timothy Choate - DFS Represenative

Deborah Clapp - Region 1 / EMSC/ Rural rep

Bill Mergendahl - Private ambulance/ Pro EMS

Kevin Mont - Fallon Ambulance

Angela Mulkerin - EMCAB member

Nathan Stanaway - Baystate

Rachel Taradasch - Private ambulance/ Pro EMS

Lisa Trusas - Milford Police Dispatcher

Slide 11

**Standing Committee Topics**

Operations

* Update AR 5-401 (BLS) and AR 5-402 (ALS) equipment lists.
* Create Class V ambulance equipment list AR

Communications

* Copper Fiber
* FirstNet
* Triage and Transportation Apps

Community Care and Education

* Public access to EMS: Next Generation 911/911 Texting

Slide 12

**Medical Services Committee (MSC) Report to EMCAB**

Slide 13

**Protocol Changes**

2019 Statewide Treatment Protocols:

Surgical Cric as MDO

Ketamine for Pain

CPAP for AEMTs

Slide 14

**Trauma Registry**

Slide 15

**Trauma Registry Background**

The Trauma Registry data system (Trauma Registry) is comprised of reported hospital data, as submitted by hospital trauma registrars.

The Trauma Registry collects information in accordance with the National Trauma Data Bank as well as some minimal state specific data points that allow linkages with other State systems.

The data element categories are organization and personal identifiers, demographics, clinical information, injury information, pre-hospital information, emergency department information, diagnosis information, injury severity information, and quality assurance information.

Slide 16

**Trauma Registry Reporting Requirements**

As required by 105 CMR 130.851 (C): a hospital providing trauma services as a designated trauma center must provide:

*to the Center for Health Information Analysis (CHIA) the designated trauma center data set specified in Department guidelines;*

As required by 105 CMR 130.852 (A), a hospital that is not a designated trauma center may be licensed to provide Emergency Services only if the hospital provides to CHIA the trauma service hospital data set to be specified in 105 CMR 130.851(C)*.*

Slide 17

**Massachusetts Emergency Medical Service Regions (EMS) and American College of Surgeons (ACS) Verified Trauma Centers**

Map of Massachusetts EMS and ACS verified trauma centers.

Slide 18

**Legacy Data: Injury Type-Terrorism**

Terrorism (E979) by Year and EMS Region
Graph of **Legacy Data: Injury Type-Terrorism**

|  |  |
| --- | --- |
| Federal Fiscal Year | # of Traumas Reported |
| 2008 |  |
| 2009 |  |
| 2010 |  |
| 2011 |  |
| 2012 |  |
| 2013 | Missing: 244: 180 |
| 2014 |  |
| 2015 |  |

Data Source: MA Trauma Registry

Slide 19

**Legacy Data: All Cause Trauma Incidents by Age**

All Cause Trauma Incidents by Age

|  |  |
| --- | --- |
| **Age at Incident** | **Trauma Cases Count** |
| <1 | 5079 |
| 1-4 | 13733 |
| 5-9 | 16523 |
| 10-14 | 19480 |
| 15-19 | 30610 |
| 20-24 | 33456 |
| 25-34 | 48218 |
| 35-44 | 43125 |
| 45-54 | 59300 |
| 55-64 | 60364 |
| 65-74 | 54975 |
| 75-84 | 77720 |
| 85+ | 85998 |

Data Source: MA Trauma Registry

Slide 20

**Legacy** **Data: Trauma Incidents by Age and Gender**

Trauma Incidents by Age and Gender

|  |  |  |
| --- | --- | --- |
| **Age at Incident** | **Trauma Cases Count (Male)** | **Trauma Cases Count (Female)** |
| <1 | 2824 | 2255 |
| 1-4 | 8053 | 5680 |
| 5-9 | 9740 | 6783 |
| 10-14 | 13357 | 6123 |
| 15-19 | 22492 | 8118 |
| 20-24 | 24688 | 8768 |
| 25-34 | 34956 | 13262 |
| 35-44 | 29863 | 13262 |
| 45-54 | 38404 | 20896 |
| 55-64 | 33121 | 27243 |
| 65-74 | 24550 | 30425 |
| 75-84 | 27643 | 500077 |
| 85+ | 24055 | 61943 |

Data Source: MA Trauma Registry

Slide 21

**Legacy Data: Diving Accidents by Age**

Trauma Incidents due to Diving Accidents (E8830)

|  |  |
| --- | --- |
| **Age at Incident** | **Trauma Cases Count** |
| 5-9 | 14 |
| 10-14 | 42 |
| 15-19 | 69 |
| 20-24 | 87 |
| 25-34 | 75 |
| 35-44 | 65 |
| 45-54 | 54 |

Data Source: MA Trauma Registry

Slide 22

**Unintentional Trauma by Type-Unintentional Bite**

Graph with Preliminary Trauma Count by Unintentional Bite, Massachusetts 2011-2015

Data Source: MA Trauma Registry

N= 1,346

Slide 23

**Unintentional Trauma by Type**

Graph with Preliminary Trauma Count by Unintentional Bite, Trauma Designation, and Teaching Status, Massachusetts 2011-2015

Data Source: MA Trauma Registry

N= 1,295

Slide 24

**Legacy Data: Dog Bites by Age**

Trauma Incidents due to Dog Bites (E9060)

|  |  |
| --- | --- |
| **Age at Incident** | **Trauma Cases Count** |
| <1 | 28 |
| 1-4 | 337 |
| 5-9 | 266 |
| 10-14 | 132 |
| 15-19 | 57 |
| 20-24 | 110 |
| 25-34 | 169 |
| 35-44 | 133 |
| 45-54 | 227 |
| 55-64 | 158 |
| 65-74 | 48 |
| 75-84 | 38 |
| 85+ | 17 |

Data Source: MA Trauma Registry

Slide 25

**Legacy Data: Suicide and Self-Injury by Age**

Trauma Incidents due to Suicide and Self-Injury (E9500-E9589)

|  |  |
| --- | --- |
| **Age at Incident** | **Trauma Cases Count** |
| <1 | 0 |
| 1-4 | 1 |
| 5-9 | 8 |
| 10-14 | 79 |
| 15-19 | 288 |
| 20-24 | 325 |
| 25-34 | 532 |
| 35-44 | 511 |
| 45-54 | 480 |
| 55-64 | 219 |
| 65-74 | 77 |
| 75-84 | 91 |
| 85+ | 16 |

Data Source: MA Trauma Registry

Slide 26

**Legacy Data: Suicide and Self-Injury by Age and Gender**

Massachusetts Trauma Cases due to Suicide and Self-Injury by Gender (E9500-E9589), 2008-2015

|  |  |  |
| --- | --- | --- |
| **Age at Incident** | **Trauma Cases Count (Male)** | **Trauma Cases Count (Female)** |
| <1 | 0 | 0 |
| 1-4 | 1 | 0 |
| 5-9 | 7 | 1 |
| 10-14 | 41 | 38 |
| 15-19 | 214 | 74 |
| 20-24 | 238 | 87 |
| 25-34 | 402 | 130 |
| 35-44 | 380 | 131 |
| 45-54 | 343 | 137 |
| 55-64 | 163 | 56 |
| 65-74 | 68 | 9 |
| 75-84 | 83 | 8 |
| 85+ | 16 | 0 |

Data Source: MA Trauma Registry

Slide 27

**Unintentional Trauma by Type-Vehicle and Pedestrian Related**

Graph with Preliminary Counts for Vehicle and Pedestrian Related Reported Trauma, Massachusetts 2011-2015

Slide 28

**Unintentional Trauma by Type**

Graph with Preliminary Count for Unintentional Vehicle and Pedestrian Related Reported Trauma by Trauma Designation, Massachusetts 2011-2015

Data Source: MA Trauma Registry

N= 53,818

Slide 29

**Unintentional Trauma by Type**

Graph with Preliminary Count for Unintentional Vehicle and Pedestrian Related Reported Trauma by Teaching Status, Massachusetts 2011-2015

Data Source: MA Trauma Registry

N= 53,818

Slide 30

**Legacy Data: Trauma Incidents by Region and Age**

Trauma Incidents by Region and Adult/Pediatric Age Routed to Verified Trauma Centers

|  |  |  |
| --- | --- | --- |
| **Massachusetts Region** | **Trauma Cases Count (Pediatric)** | **Trauma Cases Count (Adult)** |
| Region 1 | 6702 | 33176 |
| Region 2 | 7597 | 28846 |
| Region 3 | 8249 | 55427 |
| Region 4 | 31908 | 171732 |
| Region 5 | 863 | 8544 |

Data Source: MA Trauma Registry

Slide 31

**Out of State Transfers**

* Massachusetts Ambulance Trip Record Information System (MATRIS) is the tool used to collect and maintain standardized EMS patient data and information from licensed EMS services, based on the trip records their EMS personnel complete for each call to which they respond.
* These data elements and MATRIS are fully compliant with the National EMS Information System (NEMSIS).
* EMS Regions
	+ Number of Active Services : 339
	Percentage of Services Reporting: 98.2%
	Total Runs Collected: 10,501,124

Slide 32

**Out of State Transfers**

Massachusetts Ambulance Trip Record Information System (MATRIS)

Table with out of state transfer data from MATRIS

Total number of ambulance trips: 710,645

Data includes emergency runs only (no Interfacility transfers)

Data includes transported runs only (no cancelled, refusals, treated and released)

Destinations state is based on cleaning of destination name

Trauma Runs are where Primary impression = Traumatic Injury or Cause of Injury is populated

Data abstracted on June

Slide 33

**Hospital Level All Cause Trauma Counts**

Graph with Preliminary Count of All Cause Trauma by Massachusetts Hospital, 2011-2015

Data Source: MA Trauma Registry

Median= 1,885

N=143,576 traumas

Slide 34

**Additional Information**

For more information, please visit:

https://www.mass.gov/service-details/trauma-systems-committee

Slide 35

**Future Meetings**

Meeting Schedule:

Wednesday, April 24, 2019

Wednesday, October 16, 2019

All meetings will be held from 10:00am-12:00pm and are expected to be held at MEMA.

Slide 36

**Additional Information**

For more information, please visit:

https://www.mass.gov/service-details/emergency-medical-care-advisory-board-emcab

http://www.mass.gov/eohhs/gov/departments/dph/programs/hcq/oems/

Thank you.