# Preparing for Emergencies Stepping Out of Our Silos and into Integrated Care Patrick Clardullo BA, NR-Paramedic, EMS-1

Disclosures

I have no conflicts of interest to disclose regarding the content or ideas in this presentation.

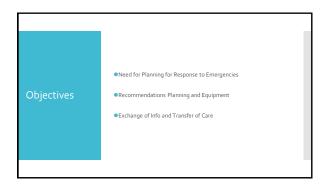
I must disclose:

I am a paramedic who considers himself a patient advocate and that supports a collaborative multidisciplinary approach to providing care to the sick and injured.

Aside from cited material any opinions and views are solely mine

Nationally Registered and State Licensed Paramedic
 State of Connecticut EMS-Instructor
 Captain of Professional Standards and Training at New Britain EMS
 15 years of service
 CCSU Alum... Go Blue Devils!!!

Pursuing Grad Degree in Clinical Mental Health Counseling



Participation in high school sports has risen for past 29 years to all time Record high of 7,980,886 from 2017-2018.

Why Plan?

While life threatening injuries are rare, they are unpredictable and when they do occur care must be seamless.

Life depends on it
in the public eye
People expect it

So many variables...venue, system of care, levels of care, access to care, timing, severity, etc.

NATIONAL FEDERATION OF STATE HIGH SCHOOL ASSOCIATIONS. High School Sports Participation Increases for

Why Plan?

Duh!?

Doesn't it just kind of make sense???

National
Athletic
Trainers'
Association
Position on
Emergency
Planning
(2002)

\*Andeson J, Courson, R, Klenert D, McLoda, T. National Athletic Trainers' Association Position Position on
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\*Andeson J, Courson, R, Klenert D, McLoda, T. National Athletic Trainers' Association Position Statement:
Emergency Planning in Athletics. Journal of Athletic Trainers 2002, 37 (1) 93-204.



Planning in Order to
Overcome
Conflict

Systems of Care Collide
Policies
Protocols
Medical Model Approach

Systems of Care (What you need to know)
It responders
Paramedic

	EMS Personnel's Perceptions of the Roles and
	Responsibilities of Athletic Trainers During On-Field
	In jury Management (2017)
Planning in Order to	Survey Methodology 115 EMS Personnel 18 states
Overcome Conflict	Findings:  • EMS protocols determine how EMS personnel respond and handle situations on the field  • Jylks JY & Toudol 'ssuit' EMS  • Jylks JY & Toudol 'ssuit' EMS casement and care and determine if EMS in recided
Lack of Trust	EMS Providers tack knowledge reparting the emergency care domain in AT education     Presoul training, conditioning, sports injuries, many lacked browledge of AT training     Previous Experiences with AT guide overall trust of profession
	Clines, S., Cotter, J., Diakogeorgiou, E., Jusino, D.L. (2017) Emergency Medical Services Personnel's Perceptions of the Robes and Responsibilities of Athletic Trainers During On-Field Injury Management. Athletic Training and Sparts Care, 9(4):154–169.

## Order to Overcome Conflict

Lack of Trust

Study 1: EMS Personnel's Perceptions of the Roles and Responsibilities of Athletic Trainers During On-Field In jury Management (2017)

## Findings / Implications

- More training, communications, practice together
- Emergency Planning
- Introduction prior to game time
- Suggest it is the AT responsibility to reach out to EMS as EMS works with the entire population.

Clines, S., Cotter, J., Diakogeorgiou, E., Jusino, D.L. (2027) Emergency Medical Services Personnel's Perceptions the Roles and Responsibilities of Athletic Trainers During On-Field Injury Management. Athletic

	Study 2: Mutual Trust between Certified Athletic Trainers and EMS Personnel (2015)
Planning in Order to	●Survey Methodology 1,202 participants (517 AT / 685 EMS)
Overcome Conflict	•Return to play decisions?
	• Who's in charge?
	<ul> <li>Skills as they relate to CPR/AED, Concussion Assessment, sports injury management, car accidents, fractures, etc.</li> </ul>
Lack of Trust	
	Hardy, R., Englehart, E., Siegel, C., (2015) Mutual Trust Between Certified Athletic Trainers and EMS Personnel.  Annals of Sports Medicine and Research 1(g), 1650.

	Study 2: Mutual Trust between Certified Athletic Trainers and EMS Personnel (2015)
Planning in Order to	Findings     Significant lack of trust because of inaccurate beliefs about each other abilities
Overcome Conflict	Implications     More concerted effort by ATs to educate EMS about level of education, competency,
	ability to assess patient '  Reach out to EMS partners  Introduce at games
Lack of Trust	Develop Emergency Action Plans     In service Training
	Hardy, R., Englehart, E., Sagel, C., (2015) Multual Trust Between Certified Athletic Trainers and EMS Personnel.  Annals of Sports Medicine and Research 2(b), 1050.

	Investigation #1: The Athletic Trainer's Role in Providing Emergency Care in Conjunction With EMS (2012)
Planning in Order to Overcome	4.2% ATs have encountered at least one on the field dispute with EMS in providing care to injured football players     Spine boarding / Equip Removal, Exertional Heat Stroke
Conflict	Investigation used focus groups to answer the following:     Perception of EMS Personnel and the role of the athletic trainer?     Lack of understanding/ Lack of exposure     Prevention, strength training, exercising, unaware of their protocols
Lack of Trust	<ul> <li>How can EMS personnel and athletic trainers work together to optimize care?</li> <li>Improved Communication</li> <li>Introduction and Explanation of how they function</li> </ul>
	Applegate, K., Casa, D., Maresh, C., Mazerolle, S., Pagnotta, K. (2012) Athletic Trainer's Role in Providing Emergency Care in Conjunction With the Emergency Medical Services. International Journal of Athletic Througy & Training, 17(1), 39-44.

	Investigation #1: The Athletic Trainer's Role in Providing Emergency Care in Conjunction With EMS (2012)
Planning in Order to Overcome	● Conclusions
Conflict	Pre-Season Meetings  Meet prior to games at standbys
	● Emergency Action Plans
Lack of Trust	® Shared story form Arkansas where they developed a cool first transport after protocol with EMS
	Applegate, K., Casa, D., Marseh, C., Mazerolle, S., Pagnotta, K. (2012) Athletic Trainer's Role in Providing Emergency Care in Conjunction With the Emergency Medical Services. International Journal of Athletic Though & Training, 17(1), 39-44-

Each provider has a professional association responsible for producing evidence based research and best practices that we use as our road map for treatment      Sometimes Protocols intersect (SMR, Helmet Removal, stay and play/load and go)
As outlined prior lack of trust and understanding of each others capabilities  Different models of medicine with different approaches based on very different response conditions

# Planning Background on EMS System of Care Op you know who is responding? EMR v EMT v Paramedic Volunteer v Career Tiered response versus single provider system System volume and availability of resources

# Start?

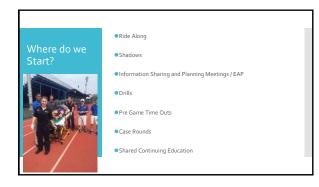
"Remember both athletic trainers and EMS are on the same side-both are medical professionals who have the best interest of the patient in mind." \*

Drop the Egos\*

Real Knowledge is to know the extent of one's ignorance.
-Confucius

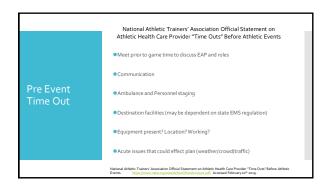
Practice Humility

\* Brunelle, A (2017) In an Emergency. Training and Conditioning











Planning for
Emergencies

NATA
Preventing
Sudden Death

October Surding Sudden Death

October Sudden Death

October Surding Sudden Death Surding Sudden Death Surding Sudden Death Surding Sudden Sudden

	• AED
	Oxygen / BVM (If comfortable with technique) / Basic Airway Adjuncts / Suction
	• Scoop
Planning for	• Splints
Emergencies	Beta agonist for reactive airway (MDI) / Anaphylaxis: Epi Pen (If Permitted)
	Bleeding control Supplies
	• Fast acting carb / glucagon injector (If permitted)
	• Immersive Cooling Devices

The Handoff
- C

Nature of the Emergency

Injuries / Interventions

History including Meds and Allergies

Basic Demographics / Emergency contacts for hospital

What is EMS doing/thinking?

- Initial Assessment
- Sick v Not Sick
- Additional Resources
- Life saving / stabilizing treatments & Interventions
- Treatment on scene v transport

References

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