

2018 GAEMS Providers & Educators Conference - Call for Presentations

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Attach curriculum vitae	David Newton - Curriculum Vitae - 04-30-2018.pdf
Attach short biography	David Newton Bio.docx
Attach publicity photo	



[Headshot - David Newton- medium size pic.jpg](#)

Presentation Title

Why do we collect all this data, and what are we doing with it?

Description of your presentation for event program

This will be a presentation on the EMS data collection efforts of the Georgia Office of EMS, including the GEMSIS/GEMSIS Elite data, and how we intend to use the data. The co-presenter of this session will be a representative from Biospatial, a company that has partnered with multiple states, now including Georgia, to develop visualizations of EMS data. These visualizations include performance measures as well as syndromic surveillance.

Objectives of your presentation

1. Review the data reporting requirements for EMS Agency licensure in GA related to EMS calls in Georgia.
2. Discuss the analysis of the GEMSIS data and how it is being used in systems of care in Georgia, including Cardiac, Trauma and Stroke.
3. Discuss the partnership with Biospatial and how it will benefit EMS services and providers in Georgia.
4. Demonstrate the Biospatial platform and some of the visualizations that it is capable of.

Why you want to speak at the GAEMS Educators Conference	This data collection and analysis is paramount to the public health aspects of EMS, and providers and educators need to understand the importance of gathering good data and what it is used for.
Date Preferred (check all that apply)	Sunday, Sept. 23, 2018 (afternoon session) Monday, Sept. 24, 2018 Tuesday, Sept. 25, 2018 (ends at 1:15 pm)
Time Preferred	Either
Type of Session	General Session (1 hr)
Audio Visual Equipment Needed	Laptop Computer Wireless Lapel Microphone Sound System
Role Desired	Regional Speaker
If National Speaker, what is your usual honorarium per day or per session?	While I can only speak for myself - I do not need compensation other than a waiver of the registration for the conference. I am assuming that the co-presenter from Biospatial will need a hotel room, but this can be discussed later.
Compensation Agreement	I agree to the above listing of compensation for my role desired, and will not hold GAEMS responsible for fees and expenses above those listed above.



Mary Napier <communications@georgiaemsassociation.com>

Savannah Conference presentations

David Newton <dnewton.ems@gmail.com>

Mon, Apr 30, 2018 at 12:43 PM

To: communications@georgiaemsassociation.com, "Kim Littleton (GAEMS)" <director@georgiaemsassociation.com>

Mary/Kim,

I just submitted a proposal for a presentation at the Savannah GAEMS conference. The presentation would be on the importance of the data that we (SOEMS) gathers and how it is being used. It will also include a demonstration of the Biospatial data visualization platform that we are going to be using.

I was also thinking about doing a session on the Georgia EMS Workforce Study and its implications for Educators and Providers. I already gave the presentation at the Leadership conference, and it sure seemed to generate some good discussion. Part of a presentation specifically addressing the Educators would be the future studies that the workforce study will generate, including being able to look at the full EMS Educational pipeline from start to finish, including seeing who all is still working in the field years after they graduate. I think that the forum of the Savannah conference would be perfect for this. If you need more a more formal description with objectives, I can provide it, but Kim, since you are familiar with the study, and I am going to be writing up an article for the magazine, I wasn't sure if you needed that level of detail now. I will be there at the entire conference (I won't likely arrive till Saturday night/Sunday morning), and can do the presentation(s) on Sunday, Monday or Tuesday (just preferably not the last presentation on Tuesday).

Thanks, and let me know if you need anything else.

-David

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David James Newton, DrPH(c), MPH, NRP

Bio for David Newton, DrPH(c), MPH, NRP

David Newton has been a nationally registered paramedic for nearly 20 years, and has worked in both hospital and prehospital settings. He taught in EMS initial education programs for over 14 years, and in July of 2017 became the Cardiac Care Registrar for the Georgia Department of Public Health. David's specific interest is in using an evidence-based approach to advance Georgia's EMS system, from initial education all the way to field providers and their integration with trauma, stroke and cardiac care systems. He received his Master's Degree in Public Health from the University of Georgia in 2009, and he is currently in candidacy for the Doctor of Public Health degree, also at UGA. His dissertation focuses on examining the EMS workforce in Georgia, specifically on those medics who do not work for an EMS agency, their reasons for leaving the profession, and their likelihood of returning. In 2017, David was awarded Best Oral Presentation and Best Research at the NAEMSE Annual Symposium for his research into the benefits of cardiac patient encounters on paramedic student exam performance.

David Newton, DrPH (c), MPH, NRP

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Loganville, GA 30052
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ACADEMIC RECORD

University of Georgia, Athens, GA

- **Doctor of Public Health (DrPH)**, started Fall 2012, entered candidacy April 2016, residency* completed Summer 2016, anticipated graduation Fall 2018
 - *Residency completed at the Georgia Department of Public Health, Division of Health Protection, with J. Patrick O'Neal, MD as my preceptor.
 - Dissertation is an EMS Workforce Study for Georgia, funded by the Georgia Office of Rural Health through the Georgia Trauma Foundation.
- **Master of Public Health (MPH), with a concentration in Health Policy and Management**, May 2009
- **Alumni Inductee into Delta Omega, the Honorary Society for Public Health (5/2012)**

Kennesaw State University, Kennesaw, GA

- **Bachelor of Science in Biology**, December 2005

Gwinnett Technical College, Lawrenceville, GA

- **Associate's Degree in Applied Technology-Health Science (Paramedic)**, March 2002
- **Paramedic Technology Diploma**, September 1998
- **EMT-Intermediate Technical Certificate of Credit**, August 1997

LICENSES/CERTIFICATIONS HELD

- **Level III EMS Instructor**, License #PM-146, Georgia Office of EMS/Trauma
- **Paramedic**, License #5760, Georgia Office of EMS/Trauma
- **Nationally Registered Paramedic**, National Registry of Emergency Medical Technicians

INSTRUCTOR QUALIFICATIONS

American Heart Association

- ACLS (Advanced Cardiac Life Support) Training Center Faculty
- BLS (Basic Life Support) Training Center Faculty
- PALS Instructor

International Trauma Life Support, Inc. – GA

- ITLS (International Trauma Life Support) Instructor
- Pediatric ITLS Instructor

National Association of EMTs

- EPC (Emergency Pediatric Care) Instructor
- AMLS (Advanced Medical Life Support) Instructor
- EMS Safety Course Instructor
- GEMS (Geriatric Education for Emergency Medical Services) Instructor

CURRENT RESEARCH

2017 EMS Workforce Study for Georgia

Principal Investigator

Study aims to determine the exact status of the 20,000+ licensed medics in the state as they relate to the EMS industry in Georgia. As the number of licensed medics continues to increase annually, it is recognized that a percentage of medics who maintain licensure are no longer professionally active and may not be directly (or even indirectly) contributing to the workforce in a clinical capacity. The goal of this dedicated and intentional effort is to provide the State Office of EMS with the most accurate data possible specific to the status of Georgia licensed medics. This information can be used as the foundation for additional projects or decisions specific to EMS education, recruitment, retention, and/or other areas of interest determined through this project.

Funding Source: Georgia Office of Rural Health through the Georgia Trauma Foundation

Which cardiac experiences are best for paramedic student success? Do hospital exposures do more harm than good?

Lead Author

A retrospective analysis of paramedic student (PS) records to explore the relationship between PS exposure to cardiac patients during field, clinical, and laboratory settings and odds of success on final comprehensive cognitive exams. This is from Fisdap® data and the abstract was accepted for the 2017 NAEMSE Conference, and was awarded best oral presentation and best overall research.

EXPERIENCE

7/2017 – present

Cardiac Care Registrar – Georgia Department of Public Health, Atlanta, GA

- Collaborates with the Cardiac Arrest Registry to Enhance Survival (CARES) and Emory University to establish and maintain a CARES Registry for Georgia.
- Working to develop the registry that will be used in Georgia for heart attacks.
- Working to develop linkages between GEMSIS and the cardiac registries (CARES and Heart Attack).
- Assisted in the development of rules/regulations related to the implementation of the Emergency Cardiac Care System in Georgia.
- Manage the budget proposals for the Office of Cardiac Care.
- Responsible for the maintenance of the Georgia State Data Set for NEMSIS, as well as the Schematron rules for Patient Care Data in GEMSIS Elite.
- Assist in fulfilling data requests, including open records requests.
- Collaborate with other systems of care and programs (Trauma, Stroke, Perinatal, Opioid) to set priorities, analyze data, and address the confidentiality of that data.
- Responsible for the creation of the new Georgia Cardiac Care Protocols for EMS.

7/2016 – 7/2017

Adjunct, Georgia Campus - Philadelphia College of Osteopathic Medicine, Suwanee, GA

- Teach/test various skills (airway, ACLS, BLS) to pharmacy and doctor of osteopathy students.

EXPERIENCE (continued)

9/2006 – 3/2017

EMS Instructor & Paramedic Clinical Coordinator

Health Science Division, Gwinnett Technical College, Lawrenceville, GA

- Assist in facilitating ATLS course at Gwinnett Tech along with the Trauma Program Manager at Gwinnett Medical Center.
- Serve as one of advisors for Phi Theta Kappa (honor society for 2 year colleges).
- Lead paramedic instructor, as well as the paramedic clinical coordinator.
- Jointly prepare accreditation reports and maintain accreditation records for the paramedic program.
- Supervise all faculty that teach in the paramedic program (part time and full time), ensuring that the proper skills and knowledge are taught to all paramedic students.
- Lead iStan (human patient simulator) instructor, providing training to other faculty on the use of the iStan, and on technical issues requiring troubleshooting.
- Participate in the development, direction, and coordination of the EMS program, including planning, budget initiatives (including writing a justification for securing federal funds for a \$100,000 ambulance), and policy issues as they relate to Gwinnett Tech's EMT/AEMT/Paramedic programs.
- Assisted in the implementation and evaluation of disaster drills for hospitals and EMS agencies.

8/2003 – 8/2006

EMS Program Director and Paramedic Instructor

Technical Division, Dalton State College, Dalton, GA

- Responsible for all initial and continuing EMS education at Dalton State College, including purchasing decisions, complying with state of Georgia purchasing requirements, and supervising/mentoring all EMS adjunct faculty.
- Selected for pre-tenure review during the 2005-2006 academic year – the consensus of the committee was that I met all standards necessary for remaining on the tenure track.

7/2002 – 7/2003

EMT/Paramedic Instructor

Lanier Technical College-Forsyth County Campus, Cumming, GA

- Responsible for all initial EMT education at the Forsyth County campus, and for assisting in the EMT and Paramedic Courses at the Oakwood Campus.

10/1999 – 7/2002

Adjunct Instructor

Gwinnett Technical College, Lawrenceville, GA

- Adjunct EMT and Paramedic Instructor for initial and continuing EMS education.
- Developed EMS Program presentation to attract prospective EMS students.
- Taught as lead instructor for BLS (Basic Life Support) for Healthcare Providers and BLS Instructor courses.

CLINICAL EXPERIENCE

6/2001 – 6/2003

Paramedic, Athens Regional Medical Center, Athens, GA

- Responsible for patient care, delegation of patient care and scene control in a primarily 9-1-1 response setting as well as answering 911 calls and dispatching med units, and mentoring EMT and Paramedic students.

11/1998 – 11/2001

Paramedic, American Medical Response, Kennesaw, GA

- Responsible for patient care, delegation of patient care and scene control in a primarily 9-1-1 response setting, mentoring EMT and Paramedic students, as well as the orientation of new employees.

7/1997 – 5/1999

Clinic Assistant, Emergency Care Center, Grady Memorial Hospital, Atlanta, GA

- Assisted nurses in triaging patients, and running traumas/codes, and assisted doctors in procedures such as lumbar punctures, suturing, intubations, and patient assessments.
- Helped medical students learn patient care procedures and techniques, such as I.V. therapy and suturing, and performed phlebotomy, 12-Lead EKGs, vital signs, CPR, Foley catheter placement.

PROFESSIONAL LEADERSHIP ACTIVITIES

2012 – 2014 **President, The Pump Handle Society at UGA**, Athens, GA

- I became the inaugural president of The Pump Handle Society in the Fall of 2012, and have remained in that position till now
- As the president, I helped plan/coordinate a DrPH Research and Networking event in the Spring of 2013 and the Spring of 2014.
- The mission of The Pump Handle Society at The University of Georgia (UGA) is to represent and support the interests of Doctor of Public Health (DrPH) students, to serve as the collective voice of DrPH students, and to provide DrPH students with valuable opportunities to enhance their academic and professional growth as they work to become leaders in the field of public health.

2010 - 2012

Georgia State Office of EMS/Trauma, Atlanta, GA

Chair, SOEMS Education Transition Committee

- Provided leadership and direction to the Georgia Office of EMS for implementation of the new National EMS Standards and Scopes of Practice.
- Involved in authoring the new Georgia Scopes of Practice, the new policies related to the transition, and the new Department of Public Health Rules and Regulations needed to fully implement the transition.
- Provide advice on the development, direction, and coordination of program planning, evaluation, legislative, regulatory activities, and policy issues as they relate to the implementation of the national EMS standards for the Georgia Office of EMS.

2007 - 2010

Technical College System of Georgia, Atlanta, GA

Chair, Paramedic Technology Instructional Faculty Consortium Committee

- Was the lead author of the new EMT/AEMT/Paramedic curricula for the new semester system and the switch to the new National EMS Standards.

COMMUNITY LEADERSHIP ACTIVITIES

12/2013 – present

Scoutmaster

Boy Scouts of America, Troop 56, Lawrenceville, GA

2013 – present

Eagle Board Member

Apalachee District, Northeast Georgia Council, Boy Scouts of America

Serve on teams that review Eagle project proposals and on boards of review for Eagle Candidates.

3/2012 – present

Order of the Arrow Member, Mowogo Lodge, Northeast Georgia Council of the Boy Scouts of America

The Order of the Arrow is Scouting's National Honor Society, and more information can be obtained at <http://www.oa-bsa.org/misc/basics/>. Brotherhood achieved 3/2014.

1/2011 – 12/2013

Assistant Scoutmaster/Medical Officer & Tenderfoot to First Class Advisor

Boy Scouts of America, Troop 56, Lawrenceville, GA

1/2011 – present

Merit Badge Counselor, Northeast Georgia Council of the Boy Scouts of America

I am a registered merit badge counselor for the following merit badges: First Aid, Public Health, Medicine, Family Life, Computers, Cooking, Scholarship, Camping, Communication, Hiking, & Public Speaking

7/2010 – 12/2012

Pack Trainer, Boy Scouts of America, Pack 554, Lawrenceville, GA

7/2009 – 1/2011

Webelos Den Leader, Boy Scouts of America, Pack 554, Lawrenceville, GA

SUPPLEMENTARY LEADERSHIP AND SELECTED EDUCATIONAL COURSEWORK

- 2011** ***Radiological Preparedness and Emergency Response (RPER) (Georgia Poison Center)***
- 2011** ***National Association of EMS Educators (NAEMSE) Instructor Course – Part II***
This course is representative of the 2002 National Guidelines for EMS Educators and provides educators and program directors with the tools and information needed to further build their leadership skills and better evaluate programs, students, and faculty.
- 2011** ***Agents of Opportunities for Terrorism: The Emergency Medical Response to Toxic Industrial Chemicals, Toxic Industrial Materials and Toxic Radioactive Materials***
- 2010** ***Wood Badge for the 21st Century***
Wood Badge is the highest and most advanced training course offered by the Boy Scouts of America. While it is rich in scouting history and tradition, the course included 6 full days and nights learning modern leadership theories from contemporary scholars.
- 2010** ***Explosion and Blast Injuries Course (Georgia Poison Center)***
- 2006** ***National Association of EMS Educators (NAEMSE) Instructor Course – Part I***
The content of this course aligns the NAEMSE developed modules with the curriculum objectives of the 2002 National Guidelines, and has been designed to provide a basic introduction of concepts for the beginning EMS educator.

COMMITTEE/MISC WORK

2009-2017

International Trauma Life Support, Georgia Chapter - State Committee Member

The Committee is charged with policy making, long range planning, and implementation of strategy for the facilitation of ITLS courses throughout the State of Georgia.

2003-2017

TCSG Instructional Faculty Consortium Committee for Paramedic Technology

Members are all EMT and Paramedic Instructors teaching for TCSG (Technical College System of Georgia) or the University System of Georgia

Purpose of Committee:

- To serve as a forum for the discussion and consideration of issues of interest to program specific technical college faculty and to serve as an informational resource.
- To serve as a communication mechanism to carry out specific work concerning state wide instructional policies and procedures and program specific standards and program guides.

2011-2016

FISDAP (www.fisdap.net) Item Reviewer

I have participated in over 35 Item Review sessions for new or poorly performing EMT/AEMT/Paramedic level questions for use on FISDAP comprehensive and unit exams. I also was one of the reviewers for the new paramedic entrance exam (2013) for FISDAP, in which I helped validate the exam and set cut scores.

2013-2014

Georgia Department of Public Health, Office of EMS/Trauma – Community Paramedic Committee

This committee was formed to explore the feasibility of creating a Community Paramedic program in Georgia in response to the growing need to reduce the hospital readmission rates, and to keep patients healthy.

2012 **Georgia Association of EMS – Educators Conference Planning Group**

This group is tasked with planning layout and content of the 2012 GAEMS & Educators Conference. As part of the group, I created a new 'Call for Presentations' form to foster interest in the State of Georgia for new/returning presenters.

COMMITTEE/MISC WORK (continued)

- 2012 Georgia Department of Public Health, Office of EMS/Trauma – RSI Working Group**
This committee was formed as a subset of the Georgia Emergency Medical Services Medical Directors Advisory Council (EMSMDAC) to review current medical literature on RSI (Rapid Sequence Induction/Intubation) and DAI (Drug Assisted Intubation) and make policy recommendations to EMSMDAC on the use of RSI and DAI in the EMS System in the State of Georgia. My appointment to this group was unique, in that I was the only non-physician placed in this group.
- 2011 Centers for Disease Control and Prevention: Learning from the States: Georgia Views on the Field Triage Guidelines**
This was a group of Georgia experts convened to offer recommendations and advice to the CDC on the latest revision of the Field Triage Guidelines. I was selected by the Georgia Office of EMS as the EMS educational expert for the group.
- 2007-2009 Gwinnett Healthcare Emergency Steering Committee, East-Metro Health District**
Serves Gwinnett, Newton and Rockdale Counties. Committee focuses on Emergency Preparedness, including pandemic flu preparations and bioterrorism scenarios, as well as planning/coordinating 'all-hazards' disaster drills.
- 2006 Fisdap Online Summative Paramedic Exam (OSPE) Question Reviewer (www.fisdap.net)**
2006 EMS Education Advisory Panel (EMS-EMAP)
2005 EMS Education and Curricula Committee
2004 DTAE Curriculum Revision Committee

PRESENTATIONS/CONFERENCES/PUBLICATIONS

May 2018 (scheduled)

National Association of State EMS Officials, Providence, RI

Will be presenting to two different committees (Rural Committee and the MIH/CP Committee) on the preliminary findings of the Georgia EMS Workforce Study).

March 2018 Georgia Association of EMS – Leadership Conference, Buford, GA

Presented a one hour session on the Georgia EMS Workforce Study I am conducting, and participated in and moderated a one hour session on "Hot Topics" in EMS.

March 2018 2018 NEGA STEMI Summit, Braselton, GA

Part of a panel discussion on the importance of the CARES Registry in Georgia, as well as the new Emergency Cardiac Care System in Georgia.

November 2016, August 2017

Georgia Association of EMS – Leadership Course 2016, 2017 and scheduled for 2018

Presented to the leadership course participants on the importance of EMS data, including brief snapshots of the data analyses that I have assisted with in Georgia and Nationally.

August 2017

National Association of EMS Educators Annual Symposium, Washington, DC

I presented research on how the number of cardiac encounters influences the performance of paramedic students on cognitive based exams. I was awarded best oral presentation and best overall research.

April 2012 Georgia Association of EMS - CHANGES Conference, Atlanta, GA

Moderated a panel entitled "Best Evidence or Best Guess?"

October 2011

Georgia Association of EMS and Educators Conference, Savannah, GA

I co-facilitated a 3 hour pre-conference instructor swap-meet, and presented a 1 hour session entitled "The National EMS Education Agenda For the Future: Where We Are and What is Yet to Come".

Summer 2011

Georgia Office of EMS: Scope of Practice Update, EMS Instructor Updates, Provider Level Updates

I created and presented (recorded electronically) the 2011 Georgia Office of EMS Scope of Practice update, and the EMS Instructor Updates. I helped create and/or present/record the majority of the Provider Level Updates.

PRESENTATIONS/CONFERENCES/PUBLICATIONS (continued)

Spring 2011

Georgia Association of EMS Magazine: "A Brave New World...", pp10-14

This was an article written to summarize the efforts in Georgia to transition to the new National EMS Standards.

April 2011 **Georgia Association of EMS - CHANGES Conference**, Atlanta, GA

I presented the *Scope of Practice Update* and the *EMS Instructor Update* as a pre-conference event, and during the conference gave the *Scope of Practice Update* to the Provider Track, and a 1 hour session on "Resource Overload – Too Many Options: Too Little Time" to the Educator's Track.

September 2010

Georgia Association of EMS and Educators Conference, Savannah, GA

I presented an update on the status of implementing the National EMS Education Agenda for the Future in the State of Georgia.

September 2009

Georgia Association of EMS and Educators Conference, Savannah, GA

I presented an update on the status of the Technical College System's Paramedic and EMT programs, including the new EMT-Basic and EMT-Intermediate courses that I helped to create.

HONORS/AWARDS

- | | |
|----------------------|--|
| August 2017 | Best Oral Presenter and Best Overall Research, by the Prehospital Care Research Forum at the 2017 NAEMSE Conference |
| December 2014 | President's Award for Lifelong Learning @ Gwinnett Technical College |
| December 2014 | Finalist for Gwinnett Tech's Rick Perkins Award for Excellence in Technical Education. |
| May 2012 | Alumni Inductee into the UGA Beta Chi Chapter of Delta Omega, the Honorary Society for Public Health |
| October 2011 | Nominated for the Gwinnett Tech's Rick Perkins Award for Excellence in Technical Education. |
| May 2011 | Region III EMS Educator of the Year
Nominated for State EMS Educator of the Year |
| May 2005 | GAEMS EMS Educator of the Year for the State of Georgia |
| April 2005 | Northwest GA (DHR Region 1) EMS Educator of the Year |