

2024

OREGON EMS CONFERENCE

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October 3-5, 2024  Wilsonville, OR

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Oregon

EMS Conference

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Oregon EMS Association

History

The Oregon EMS Association began in 1974, then known as the Oregon State Paramedic Association, which it was called for 30 years. In 2014, the name changed to Oregon Emergency Medical Services Association to affirm our commitment to representing everyone participating in the chain of Prehospital care. Although OEMSA has evolved, our goal is to provide the preeminent professional association for prehospital providers in Oregon.

Board of Directors

Brad Kastner, President

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Jackie Williams

Jamie McDaniel

Jim Cole

Liz Heckathorn

Robert Victorino

Scott Cooper

Stella Rausch-Scott

SCHEDULE

Key
A= ALS
B= BLS

Thursday - Pre-Conference:

TIME	SPEAKER	TOPIC	CE
0800-1200	Robert Victorino	Cardiography	A AirBreCar
0800-1200	Mark Puhlman	Left Ventricular Assiste Devices (LVAD)	A/B Misc
0800-1200	Oregon EMS Association	AMLS	A/B Misc
1300-1700	Oregon Fire Chiefs Association	Oregon EMS Section Meeting	
1300-1700	Oregon EMS Association	AMLS	A/B Misc
1300-1700	Nancy Shantel	Pharmacology for the EMT-A and EMT-I	A Misc
1300-1500	Jim Cole	Stop the Bleed- Train the Trainer	A/B Trauma
1500-1700	Jim Cole	Wilderness Medicine - Thinking Outside the Kit	A/B Misc
1700-1830	Vendor Reception		
1900-2130	Chris Pfingsten	Case Reviews Interactive	

Friday - Conference Day 1:

TIME	SPEAKER	TOPIC	CE
0700	FRIDAY REGISTRATION		
0800-0915	Kevin Hazzard	The Incredible Story of the Black Men Who Became America's First Paramedics	A/B Misc
0915-0945	EXHIBITS	Break in the Exhibitor Hall	
0945-1045	Rick Howard	Two Years Teaching Them to Walk and Talk	A/B MedEm
0945-1045	Shaun Ford	Allergic Reactions and Anaphylaxis	A/B Med Em
1055-1155	Matthew Neth	Cardiac Arrest Scientific Updates	A/B AirBreCa
1055-1155	Rick Howard	Oh No, O2!	A/B AirBreCa
1155-1300	LUNCH	Lunch Break in the Exhibitor Hall	
1310-1410	David Lehrfeld	HB 4081 EMS modernization	A/B Misc
1310-1410	Shaun Ford	Alcohol-Related Illness	A/B Med Em
1420-1520	Rick Howard	The Things We Believe From The "Old Wives"	A/B Med Em
1420-1520	Peter Overton-Harris	Mountain Medicine EMS	A/B Misc
1525-1555	FINAL BREAK	Break in the Exhibitor Hall	
1600-1700	Petter Overton-Harris	OB Emergencies - Pregnancy Emergency	A/B Ped OB
1600-1700	Matthew Eschelbach	EMS Wellness, More Thank Just a Word	A/B Misc

SCHEDULE

Saturday - Conference Day 2:

Time	Speacker	TOPIC	CE
0800-0900	SunHee Chung	Pediatric Out-of-Hospital Cardiac Arrest	A/B Ped OB
0910-1010	Shaun Ford	Kids are so Demanding	A/B Ped OB
0910-1010	Jessica Marcum, Joan Field & Nina Kerr-Bryant	Community Paramedicine and Mobile Integrated Health	A/B Misc
1015-1115	Robert Victorino	A Cardiac Event from a Paramedic Patients Perspective	A/B AirBreCa
1015-1115	John Willer	Eye Trauma ETC	A/B Trau
1115-1230	LUNCH	LUNCH BREAK & CHECK OUT	
1230-1430	Chris Pfingsten & Spencer Oliver	EMS 20/20 PODCAST -- Interactive	A/B Misc
1445-1545	Frank Ehrmantraut	You Have Been Subpoenaed- The Importance of Documentation	B Misc
1445-1545	Nancy Shantel	Basic Pharmacology	B Misc
1600-1700	Nancy Shantel	Patient Packaging	A/B Misc
1600-1700	Frank Ehrmantraut	EtCO2 -Physiology of Metabolism-	A/B AirBreCa



LIFE FLIGHT

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Thursday | October 3 | Pre-Conference Sessions

8:00-5:00 ADVANCE MEDICAL LIFE SUPPORT (AMLS) HYBRID PROVIDER COURSE

Sponsored by the Oregon EMS Association

This 16-hour course is for EMTs, paramedics, nurses, physician assistants, nurse practitioners, and physicians. Upon successful completion of the course, students receive a certificate of completion, a wallet card recognizing them as AMLS providers for 4 years, and 16 hours of CAPCE credit.

This course is offered as a hybrid course where students take 8 hours of the course online, followed by 8 hours in the classroom.

Advanced Medical Life Support (AMLS) remains the gold standard of education for emergency medical assessment and treatment. Endorsed by the National Association of EMS Physicians, AMLS emphasizes using the AMLS Assessment Pathway, a systematic tool for assessing and managing common medical conditions with urgent accuracy.

In the third edition of AMLS, students learn to recognize and manage common medical crises through realistic case-based scenarios that challenge students to apply their knowledge to highly critical patients. The course emphasizes using scene size-up, first impression, history, interactive group discussion on differential diagnosis and potential treatment strategies, and physical exam to systematically rule out and consider possibilities and probabilities in treating patients' medical crises. The third edition of the *AMLS Library of Patient Simulations* allows students to apply critical thinking skills to various patient presentations. Additional features include patient simulation monitor images and ECGs provided by iSimulate to enhance students' experience.

8:00-12:00 CARDIOGRAPHY

Robert Victorino

This four-hour session will thoroughly review 3 and 12 lead ECG interpretation. If you have previously attended my events, you may remember that I approached CE as a discussion among colleagues to tap into the vast amount of experience in the room. This is intended to be a guided conversation, not a lecture. We will cover everything from action potential to axis deviation— science!

8:00-12:00 LVAD PATIENT CARE FOR FIRST RESPONDERS

Mark Puhlman

This program is designed to provide a comprehensive overview of the components and principles of operation of the HeartMate II, HeartMate 3, and HeartWare Left Ventricular Assist Devices (LVADs). It will also discuss assessing, stabilizing, and transporting these patients.

This program is intended to familiarize first responders with issues related to managing LVAD patients in emergencies. It will include didactic and hands-on components to allow the participants to manage simulated emergencies related to LVAD patients in the field.

1:00-5:00 PHARMACOLOGY FOR THE A-EMT AND EMT-I

Nancy Shantel

Now that you've taken the classes and passed your testing, do you feel you need to have a refresher or ask those questions that have been nagging you? In this session, Nancy will review pharmacology, review dosages, and practice your IV skills.

Thursday | October 3 | Pre-Conference Sessions

1:00-3:00 STOP THE BLEED – TRAIN THE TRAINER

Jim Cole

Stop the Bleed has become the standard program for treating significant wounds in the pre-hospital setting. This 2-hour course will review the principles and let you practice the skills to become an effective trainer to go back to your agency and teach this course.

3:00-5:00 WILDERNESS MEDICINE – THINKING OUTSIDE THE KIT

Jim Cole

In this presentation, Jim will discuss ways to treat injuries in the wilderness without an ambulance full of equipment or even a good trauma bag. Learn how to improvise and treat an injured person in the wilderness with what you have.

7:00-9:00 CASE REVIEWS

Chris Pfingsten

The ever-favorite Thursday Night Case Reviews is back. Chris, half of the EMS20/20 Podcast team will mix it up with the audience and review pre-hospital events. Grab a beverage and popcorn and hear some unusual calls that will prepare you for “your” next unusual event.

This presentation is FREE to attendees!



Friday | October 4 | Conference Sessions

8:00-9:15 THE INCREDIBLE STORY OF THE BLACK MEN WHO BECAME AMERICA'S FIRST PARAMEDICS.

Kevin Hazzard

The Freedom House Ambulance Service, founded in 1967, was the first paramedic ambulance program in the U.S. and a beacon of innovation and courage. The first recruit class comprised 25 black men from The Hill District (Pittsburgh) who took advanced medicine outside the hospital and brought it to the bedside, forever changing history. Their story is both heartbreaking and inspiring. It's a story of love and selflessness. Kevin will share the story of America's first ALS system in our country. Nancy Caroline was their Medical Director, and CPR was a brand-new thing. Hear how these forward-thinking individuals dedicated their lives to pre-hospital care as we know it today. To learn more about the Freedom House Ambulance Service, check out [American Sirens](#) by Kevin Hazzard.

BREAK IN EXHIBIT HALL



9:45-10:45 TWO YEARS TEACHING THEM TO WALK AND TALK

Rick Howard

Little kids are not small adults. They require a different kind of mindset to manage their unique medical problems. In this class, we explore the more common childhood ailments and what we can do to improve them and what we can do to make them worse.

9:45-10:45 ALLERGIC REACTIONS AND ANAPHYLAXIS

Shaun Ford

In this presentation, Shaun will review the physiology and treatment of prehospital allergic emergencies. Always good to review an event we see in the field regularly and to remember our treatments.

10:50-11:50 CARDIAC ARREST SCIENTIFIC UPDATES

Matthew Neth

Dr Neth will review the recent scientific updates in managing out-of-hospital cardiac arrest resuscitation. Exploring the impacts of High-Performance CPR and the successful outcomes and challenges

10:55-11:55 OH NO, O2!

Rick Howard

To put it plain and simple...oxygen treatment is killing our patients. We have thought for years that more is better, but more is killing those we have been in charge of helping. This class explains why oxygen use is dangerous for our patients and what our alternatives are

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Friday | October 4 | Conference Sessions

11:50-1:00 LUNCH WITH THE VENDORS

1:10-2:10 HB 4081 EMS MODERNIZATION

David Lehrfeld

HB 4081, the EMS Modernization Act, is the most significant change to the Oregon EMS system in the last 30 years. The EMS Modernization Act will expand our current trauma system to other time-sensitive emergencies such as strokes and cardiac arrest. Hear about the plan to transform Oregon's EMS system and how this will affect you over the next five years.

1:10-2:10 ALCOHOL-RELATED ILLNESS

Shaun Ford

Through an intertwined case review, we will discuss the pathophysiology of alcohol in the body as well as treatments for acute and long-term effects. Appropriate for all levels of providers

2:15-3:15 THE THINGS WE BELIEVE FROM THE "OLD WIVES"

Rick Howard

If you have been in EMS for a while or are just learning, we hear things that are 'gospel truth' because it has been passed from one EMT "expert" to another. This class looks at the "Old Wives Tales" in EMS and makes the necessary corrections to help us in our quest for excellent care.

2:15-3:15 MOUNTAIN MEDICINE EMS

Petter Overton-Harris

Climbing mountains presents a variety of complex medical emergencies. Breathing in the Mountain tops the list. How the lack of oxygen drives disease and exacerbates many underlying medical conditions. Hear how many of these challenges can be resolved and how you can fix them.

3:15-3:50 FINAL BREAK WITH EXHIBITORS

4:00-5:00 OB EMERGENCIES-PREGNANCY

Petter Overton-Harris

Special Considerations in a Special Population: Learn how to manage the complications of the pregnant patient in the prehospital setting and safely transport mom and baby to definitive care.

4:00-5:00 EMS WELLNESS, MORE THAN JUST A WORD

Mathew Eschelbach

Is your job hazardous to your health? Is a "Bad Shift" simply that or does it leave a scar with a ticking time bomb that will go off later? Wellness is a term thrown about often, but am I at risk for burnout? We spend a great deal of time training, learning, and preparing for the very worst of medical and trauma scenarios. We are ready for the worst and ready to treat any malady. EMS has the reputation of being the heroes of our society, ready to save others from fire, illness, and trauma. However, our job description is a set-up for those ticking time bombs. Learn that wellness is more than just a word. Learn how to recognize and combat burnout and find simple solutions to maintaining wellness. Discover that PTSD lurks to weaken us on many of our bad days or tough shifts. Find ways to help your organization be proactive for your EMS colleagues' good health.



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Saturday | October 5 | Conference Sessions

8:00-9:00 PEDIATRIC OUT-OF-HOSPITAL CARDIAC ARREST

SunHee Chung

Dr Chung returns to the Oregon EMS Conference with an update on the current state of pediatric out-of-hospital cardiac arrest resuscitation. She will review the differences in airway and ventilation strategies between adult and pediatric patients while reviewing the physiology behind neonatal and pediatric resuscitation. This is sure to be an informative presentation for all levels of providers.

9:10-10:10 KIDS ARE SO DEMANDING

Shaun Ford

Will discuss why kids demand so much oxygen, the anatomical differences between pediatrics and adults and the different methods of delivering oxygen

9:10-10:10 COMMUNITY PARAMEDICINE AND MOBILE INTEGRATED HEALTH

Jessica Marcum, Joan Field & Nina Kerr-Bryant

What if we can do hospital-at-home care or emergency medicine-at-home care? What would that look like? What are the benefits? How could MIH benefit patients, hospital systems, staffing and EMS systems?

10:15-11:15 A CARDIAC EVENT FROM A PARAMEDIC PATIENTS PERSPECTIVE

Robert Victorino

In this presentation, Robert will give a firsthand view of a cardiac event as the patient, from mild chest pain through angioplasty. This “behind the scenes” perspective will share the patient’s first-hand account with a provider’s perspective. This is a rare presentation to attend.

10:15-11:15 EYE TRAUMA ETC

John Willer

Eyes, we use them all the time, but how often do we treat injuries to them? Learn to evaluate and treat eye trauma and ocular emergencies. Also, an overview of common Ocular conditions and what you as a field provider can do.

11:15-12:30 LUNCH & Check Out

Life-Assist

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Saturday | October 5 | Conference Sessions

12:30-2:30 EMS 20/20 PODCAST – LIVE & IN PERSON

Spencer Oliver and Chris Pfingsten

Are you ready? Join Spencer and Chris, the voices (and faces), behind the podcast EMS 20/20, will not only educate you but also have fun doing it.

They will be live streaming their Podcast from the conference and taking live calls from around the globe and the audience. If you think you have an unusual call, now might be the opportunity to share it and get some sage feedback. This is sure to be a fun, lively, interactive session you don't want to miss.

2:40-3:40 YOU HAVE BEEN SUBPOENAED – THE IMPORTANCE OF DOCUMENTATION

Gary Steindorf

Lawsuits happen due to poor patient care and, more importantly, poor documentation. What you put, or don't put, in your chart can be helpful or harmful. She will also discuss working outside the EMS venue as a medic and what that means.

2:40-3:40 BASIC PHARMACOLOGY

Nancy Shantel

Let's discuss pharmacology! We'll discuss the medications that BLS providers can administer and assist with and should be familiar with in assisting ALS providers. We'll go beyond knowing the protocol and discuss how medications work and why indications and contraindications matter.

4:00-5:00 PATIENT PACKAGING

Nancy Shantel

We've come far from "backboarding" every patient! We'll discuss packaging patients, why considering mechanism matters, and the different tools and options to provide the most appropriate care for our injured patients.

4:00-5:00 ETCO-PHYSIOLOGY OF METABOLISM

Frank Ehrmantraut

This class will dive deep into the crucial role EtCO₂ plays in patient assessment and how we can use this tool to positively impact patient outcomes.



Speakers



Kevin Hazzard

A journalist, TV writer, and former paramedic.

His first book, [*A Thousand Naked Strangers: A Paramedic's Wild Ride to the Edge and Back*](#), was published in 2016. He now writes for film and TV, with work produced by Hulu, CBS, ABC, and Universal. His journalism has been published at 99% Invisible, the Atavist, Men's Journal, Washington Post, Atlanta Magazine, and elsewhere. He serves on the Governing Board of Global Response Medicine and is a sought-after voice on emergency medicine. He lives in Atlanta.

Chris Pfingsten, Paramedic

Chris Pfingsten has been in EMS for nearly 20 years and currently works as a Flight Paramedic. He is also slightly taller than Spencer Oliver is, and it's noticeable if you look. He is also the co-host of the EMS 20/20 podcast.

Dawn Poetter, Paramedic

Dawn Poetter is an Oregon Licensed Paramedic with 43 years in the EMS Industry. She worked for Metro West Ambulance for 35 of those years. Retiring from the company in 2015. Dawn is active in EMS Education and is an instructor Trainer in most EMS education venues including PHTLS, AMLS, EPC to mention a few and instructs ACLS, PALS and BLS. Dawn stays active in the EMS community and currently serves as the Vice President of the Oregon EMS Association. She works with the Law community as an expert witness for EMS related lawsuits. Dawn taught Pre-hospital documentation at the college level for 16 years. She is a native Oregonian and is proud to be part of the Oregon EMS family.

David Lehrfeld, MD

Dr. Lehrfeld, MD is an EMS Physician with an interest in regionalized systems of care and using data to drive practice. He started his carrier in medicine as an EMT in 1990 and has worked as an EMT, Paramedic, and physician both in the military and civilian world. He is currently the Medical Director for EMS and Trauma for the State of Oregon and works in critical access hospitals on the weekends.

Frank Ehrmantraut, Division Chief, Paramedic

Frank Ehrmantraut currently serves as the Division Chief of EMS for Polk County Fire District No.1. He has been a member of the EMS community since 2005 working for both public and private agencies in a variety of roles. He holds a Bachelor of Science in Emergency Medical Services Administration from Columbia Southern University and a Master of Public Administration from American Public University. He also holds numerous fire and EMS related certifications, including several awarded by the National Fire Academy.

He lives in Salem with his wife, Carilyn, and their daughter, Emma. He and his family are active with the Shriners and volunteer their energies towards other worthy community causes. During their free time, his family enjoys farmers' markets, group game nights, reading, and traveling.

Speakers

Gary Steindorf, Captain

Gary Steindorf is a Captain with the McMinnville Fire District. He has been in the fire service for 10 years serving at several local agencies including Falck Ambulance and the Sweet Home Fire District working as a Paramedic since 2016 and truly has a passion for EMS and all things emergency medicine. He has a seven month old son at home and an amazing wife and dog. His family enjoys traveling and being outside as much as possible.

I'm sure you'll enjoy the presentation and I will do my best to ensure I do not make talking about documentation boring!

Jessica Marcum, Paramedic

Jessica Marcum has been a Community Paramedic with Umatilla County Fire District #1 in the Hermiston area since 2017. She has been at the same agency as a resident intern, volunteer, and now Community Paramedic since 2009. She has had a variety of work experiences that helped her know other sides of medicine including working for a primary care physician and at the Umatilla Chemical Depot doing occupational health testing and pre/post-entry health screenings. She was recently certified as a Community Paramedic through the IBSC.

Jim Cole, LP, MA, NRP, FP-C, CEMSO

As a critical care paramedic, Jim brings 40 years of experience in critical care, 9-1-1, and medevac to the profession. He holds a BS in Community Health and an MA in Higher Education Administration and has decades of experience as a practitioner, educator, and administrator. His areas of expertise include trauma and pediatrics. Jim works full-time as the Trauma Educator for PeaceHealth Riverbend Trauma Center and serves as the Chair of the Oregon State EMS Committee.

Joan Field, EMT-Intermediate, CP-C, CHW

Joan has served with Spray Ambulance as an EMT-Intermediate for 16 years, and earlier this year became an IBSC-certified Community Paramedic. For seven years she's worked within her county as a Community Health Worker, and her current goal is to help establish an ambulance-based Mobile Integrated Health / Community Paramedicine program for her region.

John Willer, D.O.J.

John Willer is a board-certified Ophthalmologist. Dr. Willer has always been an active participant in his local community and globally. During his college years, he served as a Paramedic and Firefighter with the Cedarville College EMS and the Cedarville Township Volunteer Fire Department. He was Chief of Cedarville College EMS for two terms. Locally in the Gorge, he served as Reserve Deputy in Hood River, Board of Directors, Budget Committee, and Civil Service Commission for Mid-Columbia Fire and Rescue, Urban Renewal Advisory Committee, and Urban Renewal Agency in The Dalles. He has traveled worldwide for multiple medical mission trips to India, Guatemala, Ecuador, and Lebanon where he provided no-cost cataract surgery to hundreds of patients. Dr. Willer completed his ophthalmology residency at Grandview and Southview Hospitals in Dayton, Ohio, and was Board Certified by The American Osteopathic Board of Ophthalmology in 1998 and the American Board of Surgeons.

Speakers

Mark Puhlman, Nurse Practitioner

Mark Puhlman is a Nurse Practitioner with extensive knowledge of cardiac transplant and Ventricular Assist Devices. He has spent years in the Pacific Northwest working with different VAD programs including Spokane Washington and the Providence VAD program in Portland. He is dedicated in bringing education to prehospital providers about the prehospital care of Ventricular Assist Devices. Mark is married with 5 children.

Matthew Eschelbach, DO

Dr Matthew Eschelbach has been involved in Oregon EMS for nearly 30 years. He has been the physician advisor for several EMS agencies including the Oregon EMS Conference and maintains his dedication to both education and quality initiatives locally and nationally. Currently, he is the chair of Emergency Medicine and the Director of Career Development at Western University College of Osteopathic Medicine of the Pacific, Northwest in Lebanon, Oregon. He is a published author in EMS and Emergency Medicine and a proponent of Provider Wellness. He serves on the executive committee of the Oregon Wellness Program. He is dedicated to the advancement of EMS and strives to bring excellence to all EMS providers.

Matthew Neth, MD

Matthew is an Assistant Professor in the Department of Emergency Medicine at OHSU. He completed an Emergency Medicine residency at UAB, a prehospital medicine fellowship at the University of Cincinnati, and is board certified in Emergency Medicine and EMS. In addition to clinical duties, he serves as the medical director of the Tillamook County fire agencies, an Associate Medical Director for Multnomah County EMS and Tualatin Valley Fire & Rescue, and the Medical Director for online medical direction in the Portland metropolitan region (Medical Resource Hospital). He also serves as the Program Director for the OHSU Fellowship in EMS. His research interests include cardiac arrest resuscitation, ventilation, airway management, and the advancement of prehospital care.

Nancy Shantal, Paramedic

Nancy has been involved in EMS since 1995 and has worked in 911 systems in NY, TX, and OR. Nancy has always enjoyed learning and has a passion for sharing information and seeing people grow as providers.

Away from work, Nancy enjoys the outdoors, hiking and camping with Milo, the adventure nugget, running triathlon, kayaking, and fishing. She summited her first 14er (Mt Princeton) in 2016 and is looking forward to another (Mt Bierstadt will be Milo's first)!

Nina Kerr-Bryant, Paramedic

Nina Kerr-Bryant has been a working paramedic since 1983*, starting with Buck Ambulance. She finished her 911 transport career at North Country EMS, a district in Washington encompassing rural north Clark County in a district without even a clinic, let alone a hospital, in its 1000+ square miles. Her appreciation of alternatives to 911 transport evolved in her exposure to the isolate residents of areas within North Country's district. She trained in Community Paramedicine at OIT/OHSU in 2015 and is a CP in Columbia County. **proving that you may grow old but you don't need to grow up!*

Speakers

.Petter Overton-Harris, DO

Dr. Petter Overton-Harris was born and raised in Oregon and is an EMS board-certified physician in Emergency Medicine. He completed his Emergency Residency in Minneapolis with an EMS fellowship in New Mexico.

His special areas of interest are rural, austere EMS and education. He is an Assistant Professor of Emergency Medicine Faculty at OHSU. Dr. Overton-Harris is part of a group of EMS Supervisors who provide medical direction and protocols to rural Oregon coastal communities.

Rick Howard, R.N., B.S. Battalion Chief (Ret.)

Rick Howard has worked as a charge nurse, EMT, firefighter, Captain, Battalion Chief, and instructor in EMS education. There really is no place (other than with my grandkids) that I would rather be than with strong, dedicated, fearless, tireless, funny, smart, loving people who attend this conference. Long live Jimmy Buffett!

Robert Victorino, Paramedic, PCC Clinical Coordinator

Robert graduated from the Austin Community College paramedic program in 2004 with an AAS and a Bachelor of Health Science degree from Pacific University in 2016.

He is a Certified Healthcare Simulation Educator and has been an instructor at Portland Community College since 2009. He currently practices Paramedicine with Skamania County EMS, in Washington. When he isn't teaching new paramedics, or working as one, you can find him either driving his Jeep or playing paintball.

Shaun Ford, Paramedic, Division Chief

Shaun Ford is currently the Division Chief of EMS for the Camas-Washougal Fire Department in Southwest Washington and a state of Washington Senior EMS Instructor. Shaun has been an EMS provider since 1996 and a Paramedic since 2004. Shaun has been a provider and EMS educator in Idaho, Oregon and now Washington with roles including EMT, AEMT, Paramedic, Firefighter/Paramedic, training officer, college program coordinator and AHA Faculty. Shaun is currently the chair of the WA Fire Chief's Association EMS section and a member of the Eastern Oregon EMS Conference Committee.

SunHee Chung, MD

Dr. SunHee Chung is an Assistant Professor in the Department of Emergency Medicine and Pediatrics at Oregon Health and Science University. She also serves as an associate medical director at Multnomah County EMS. Her academic interests are general prehospital pediatric care, out-of-hospital pediatric cardiac arrest, and pediatric intraosseous access. Dr. Chung's current and future research projects are on the EMS field intervention and the outcome of pediatric cardiac arrest.

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Appendix 1

OAR 333-265-0105, 333-265-0110 and 333-265-0160
Oregon Licensed Emergency Medical Services Providers
Minimum Continuing Education Requirements



Section 1 – Continuing Education Topics	Two-Year Licensing Cycle				Notes/Comments
	EMR	EMT	AEMT/ EMT-I	Paramedic	
Trauma Emergencies Medical	2	3	5	6	
Emergencies Pediatric and Obstetric	2	3	6	8	
Emergencies Airway, Breathing and Cardiology	2	3	6	8	
	2	4	6	9	
Culture, Race, Gender and Ethnicity	1	2	2	2	Training opportunities to focus on cultural factors that may influence provider and patient's behaviors resulting in disparities in healthcare. Subjects represented by the National EMS Education Standards.
Miscellaneous EMS Topics (Related Topics)	3	9	11	15	
Total Hours for the Licensing Cycle	12	24	36	48	
CPR certification required for all levels					Current AHA Basic Life Support (BLS) Provider or equivalent CPR course. This course must include a practical skills evaluation.
Section 2 – Clinical Skills Competency for Affiliated EMSPs	At least once during licensing cycle				Notes/Comments Proficiency within scope of practice Proficiency within scope of practice
Airway Management & Adjuncts	Yes	Yes	Yes	Yes	
Cardiac Arrest Management	Yes	Yes	Yes	Yes	
Splinting & Immobilization	Yes	Yes	Yes	Yes	
Vascular Access	No	No	Yes	Yes	
Chest Decompression & Cricothyroidotomy	No	No	No	Yes	

Appendix 2

OAR 333-265-0110
Oregon Licensed EMR & EMT-Intermediate Providers
Minimum Continuing Education Requirements when Initial Licensure is Less than 24 Months



Provider Level	EMR			EMT-I			Notes/Comments
	6-12 months	12-18 months	18-24 months	6-12 months	12-18 months	18-24 months	
Months Until Scheduled Expiration Date							Hours reflected are based on a percentage from the continuing education required in Appendix 1. 6-12 months = 50% 12-18 months = 75% 18-24 months = 100%
Trauma Emergencies	1	1.5	2	2.5	3.75	5	
Medical Emergencies	1	1.5	2	3	4.5	6	
Pediatric and Obstetric Emergencies	1	1.5	2	3	4.5	6	
Airway, Breathing and Cardiology	1	1.5	2	3	4.5	6	
Culture, Race, Gender and Ethnicity	0.5	0.75	1	1	1.5	2	Training opportunities to focus on cultural factors that may influence provider and patient's behaviors resulting in disparities in healthcare. Subjects represented by the National EMS Education Standards.
Miscellaneous EMS Topics (Related Topics)	1.5	2.25	3	5.5	8.25	11	
Total Hours for the Remainder of Licensing Cycle	6	9	12	18	27	36	
CPR certification required for all levels							Current AHA Basic Life Support (BLS) Provider or equivalent CPR course. This course must include a practical skills evaluation.
Clinical Skills Competencies for Affiliated EMSPs (see Appendix 1, Section 2)							At least once during licensing cycle