



Educational Pathways and Technology Partnerships in Community Paramedicine



Process Model

Stage 1. Occupation identified

Key event: Critical mass of workers performing similar work activities

Stage 2. Educational programs and training provided

Key event: Standard knowledge and skills are established

Stage 3. Professional standards association established

Key event: Qualifications (ex. certification/licensure) are developed

Stage 4. Code of ethics developed

Key event: Internal and external rules of profession are adopted

Stage 5. Societal support of profession recognized

Key event: Reflected in law, policies, and finance

Community Health Needs Assessment (CHNA)

- A **Community Health Needs Assessment (CHNA)** is a **systematic process** involving the community to identify and analyze community health needs and assets in order to prioritize these needs, and to plan and act upon significant unmet community health needs

Community Health Needs Assessment (CHNA)

RESEARCH

- Study **agencies and organizations** serving the medically underserved, low-income, minority and other vulnerable populations.
- Tabulate the input and **analyze** common themes, issues, disparities and gaps
- Identify the most serious **health issues** facing the community
- **Prioritize** the health issues and determine barriers.



Community Concerns

- **Healthcare Systems** are faced with financial challenges; patient safety and quality, government mandates, personnel shortages, patient satisfaction, population health Emergency department overuse, preventing readmissions
- **The path forward** will require collaboration, partnerships, and innovation as never before.
- **Community Resources!** A robust starting point for helping people and establishing partnerships.



Technology in Community Paramedicine

MEDICAL-TECH

Communication in the medical technology arena requires attention to a rapidly shifting landscape.



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Community Paramedic: Working Definition

- A **licensed paramedic**
- Has completed a internationally standardized **educational program** through an accredited college or university
- **Demonstrates competence** in the provision of health education, monitoring and services beyond the roles of traditional emergency care and transport
- Education and operation in conjunction with **clinical governance**
- The **specific roles and services** are determined by community health needs and in collaboration with public health, the Community Health Needs Assessment (CHNA) and clinical governance

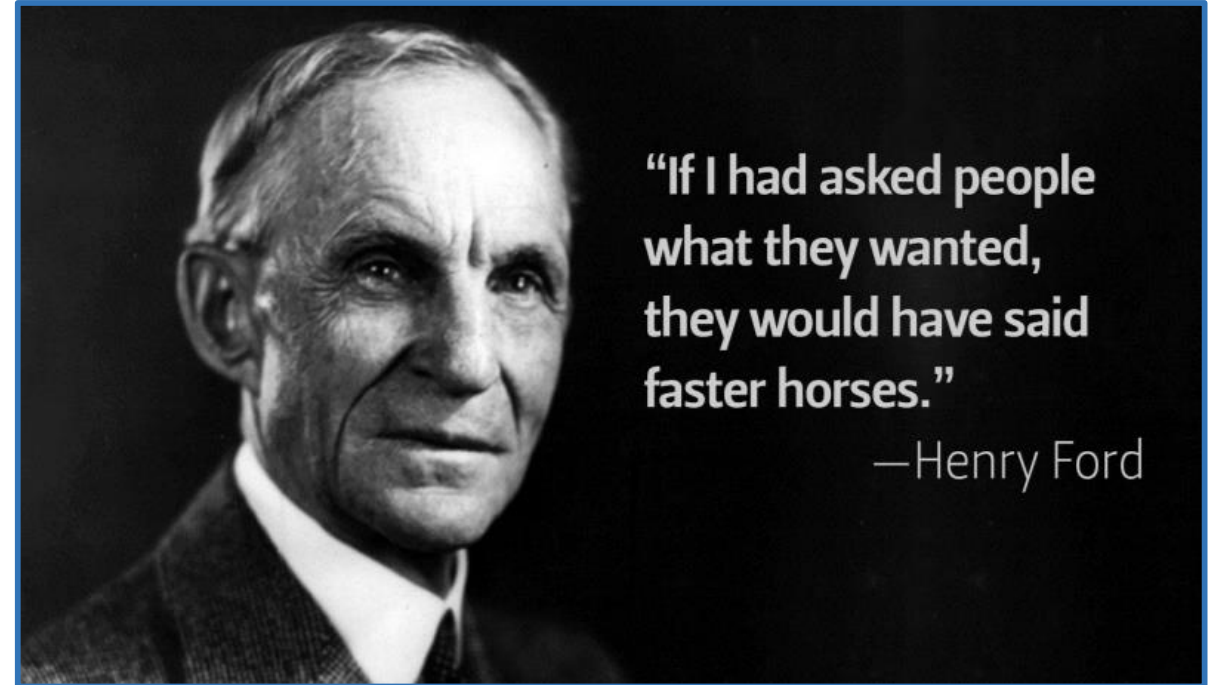


Technology is easy..... Change is hard

- Disruptive Technology
- Responsive Innovation

"THE MOST DANGEROUS
PHRASE IN THE LANGUAGE
IS 'WE'VE ALWAYS DONE IT
THIS WAY'."

Rear Admiral Grace Hopper



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Core Purpose Alignment – start with “why”

Care provider:

“_____to provide the best possible patient care_____”

Technology provider:

“To improve the health and well being of the public at large, by providing **Responsive Innovation** for public safety responders and care providers.”



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Communications Technology

“The single biggest problem in communication is the illusion that it has taken place.”

- George Bernard Shaw



Telemedicine & Telehealth

Telemedicine is driving innovation in healthcare. It represents one of the biggest shifts in healthcare delivery.

Today, with **mobile** telemedicine apps, share HIPAA-secure voice, text, photos, data, video clips and stream live using your smartphone or tablet - directly to physicians, specialists and hospitals,anywhere.



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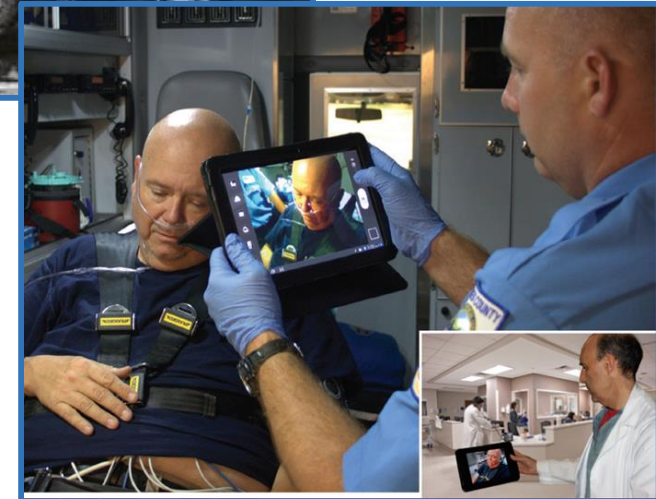


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Mobile Telemedicine

- Improved decision support
- Documentation / QA / CQI
- Community Paramedicine / Alternate Site care
- Medical team notification & preparation
- Access to specialists
- Incident management & coordination
- Real-time situational awareness



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Telemedicine Consults

- Mobile Integrated Healthcare
- Community Paramedicine



Data, data and more data



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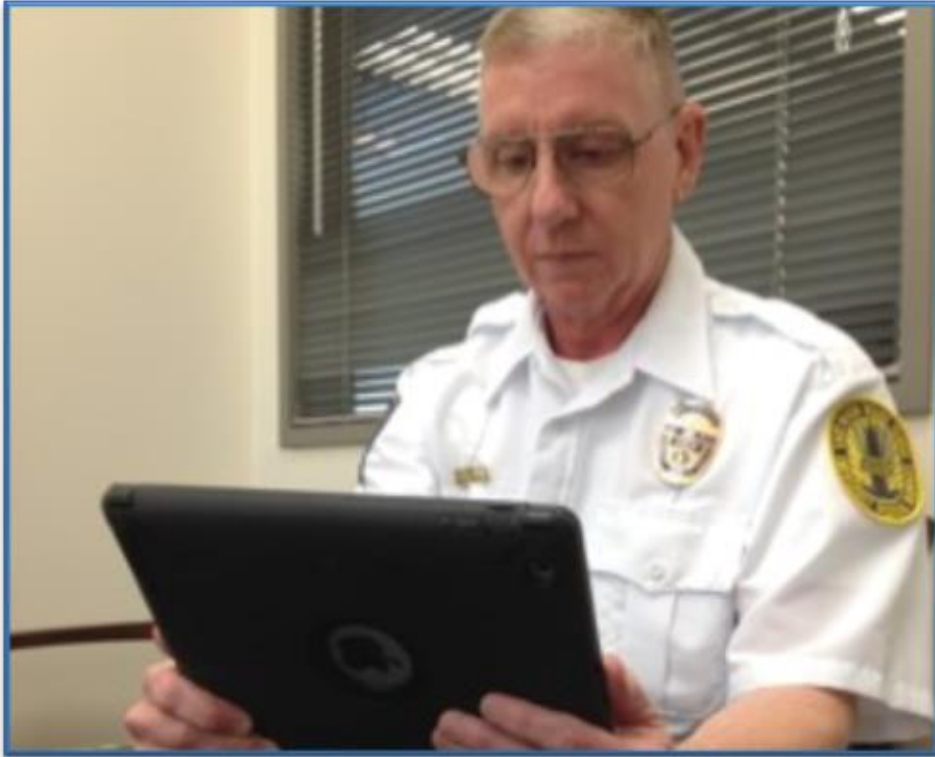


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Results



“I can do a more thorough evaluation, make a better diagnosis, provide better care, and better answer the question, ‘What do we need to do for this patient?’”

- Dr Dan Godbee, Medical Dir. E-BR EMS



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Takeaways:

- Change is all around us
- Telehealth / Telemedicine is a technology tool
- Communicate in new and better ways
- Embrace **Responsive Innovation**



Educational Aims

- Enhancing the CP profession through educational pathways
- Professionalization of community paramedicine guides formal education and curriculum requirements that academic institutions develop to best prepare their students.

Community Paramedic Technician (CPT):

- Awards Certificate or Technical Diploma
- Connects underutilized resources to underserved populations.
- Expands the role of the paramedic (not scope) to provide health services where access to physicians, clinics, and/or hospitals is difficult or may not exist.
- Exists for the sole purpose of serving the needs of a particular community and its success relies heavily on collaboration among local stakeholders.
- Follow a pre-existing care plan
- Functions under the guidance of an advanced care provider



Community Paramedic Clinician (CPC):

- Awards Associate Degree
- Fundamentally similar to the CPT role, however with expansion of capabilities to: physical examination, decision making/critical thinking as related to:
 - History Taking
 - Conducts a physical examination.
 - Evaluation of treatment effectiveness.
 - Performs interventions (treatments).
 - Provides feedback as it relates to effectiveness of the care plan.
 - Collaborates with other healthcare professionals to modify care plan.



Community Paramedic Practitioner (CPP):

- Awards Bachelor's Degree
- Can establish, evaluate and modify a treatment care plan under the guidance of a provider
- This level builds on the cognitive, affective and psychomotor base knowledge obtained in the previous levels with the expansion of:
 - Physical examination.
 - Evaluates and modifies care plan.
 - Evaluates and modifies treatments

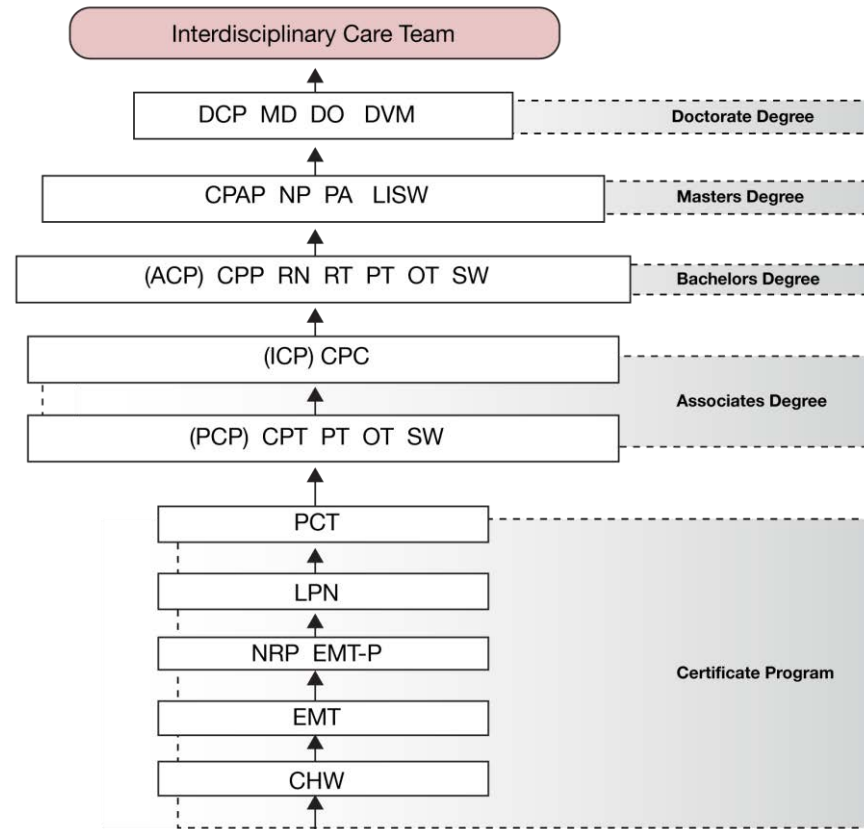


Community Paramedic Advanced Practitioner (CPAP):

- Awarded Master's Degree
- Builds upon previous education and practice
- Similar to Physician Assistant, Nurse Practitioner in terms of role and scope.
- This level has the ability to make treatment decisions.
- Can prescribe a care plan
- Has autonomy to drive care under the guidance of physician



Value of the Community Paramedic in the Health Care System across the Continuum



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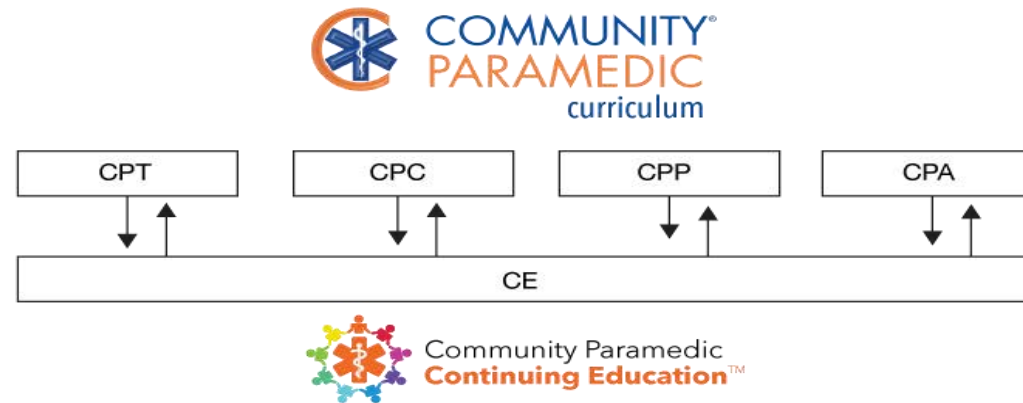


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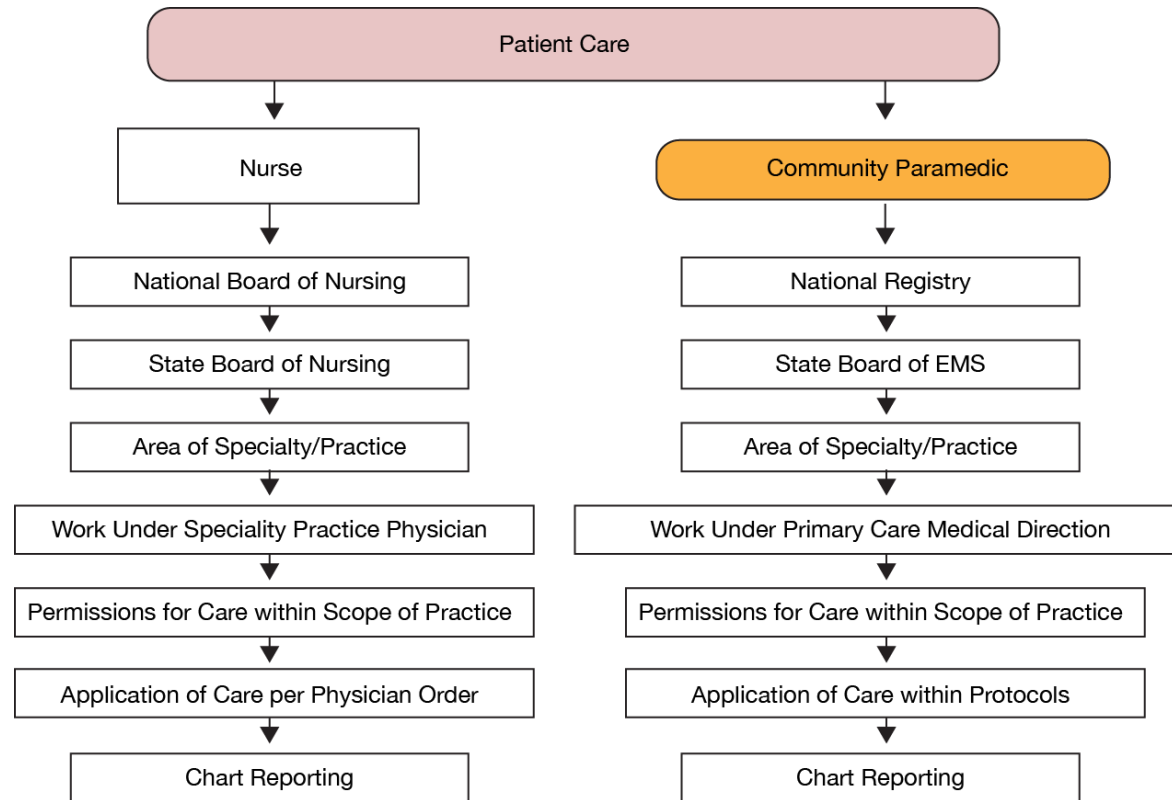
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Value of the Community Paramedic in the Health Care System across the Continuum



Description	Title
Basic life support provider; entry level	Primary Care Paramedic (PCP)
Advanced life support provider with limited skill set	Intermediate Care Paramedic (ICP)
Advanced life support provider	Advanced Care Paramedic (ACP)
PCP, ICP or ACP with prevention, public health, and post acute skills	Community Paramedic (CP)
Ambulance service	Paramedic Service

Value of the Community Paramedic in the Health Care System across the Continuum



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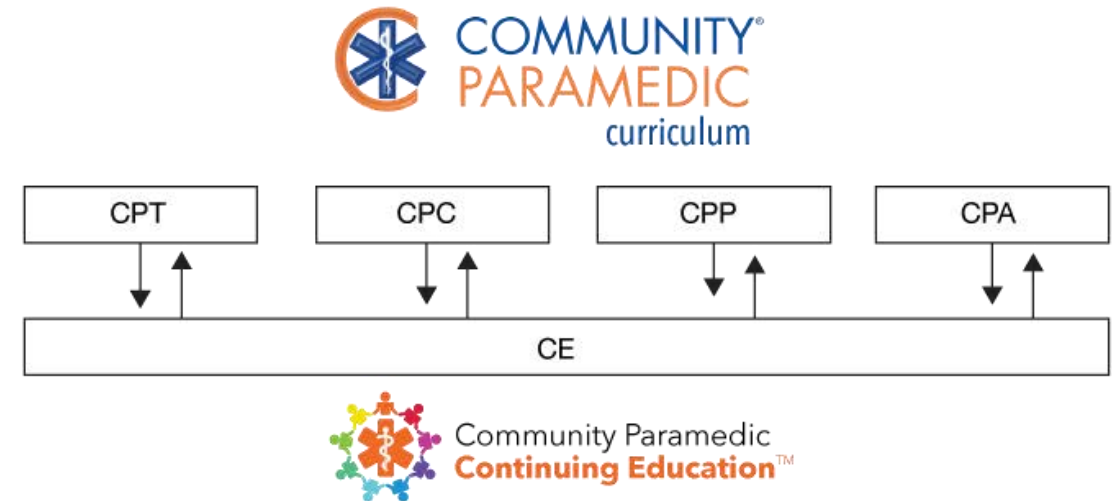
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Career Pathways

- Standard definitions of CP profession
- Coordinated educational curricula
- Professional association, licensure
- Code of ethics, accreditation processes
- Legal recognition, service reimbursement



CAMTS



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CAMTS Board Members

- Aerospace Medical Association – AsMA
- Air Medical Operators Association – AMOA
- Air Medical Physicians Association – AMPA
- Air & Surface Transport Nurses Association – ASTNA
- American Academy of Pediatrics – AAP
- American Association of Critical Care Nurses – AACN
- American Association of Respiratory Care – AARC
- American College of Emergency Physicians – ACEP
- American College of Surgeons – ACS
- Association of Air Medical Services – AAMS
- Association of Critical Care Transport - ACCT
- Emergency Nurses Association – ENA
- European HEMS and Air Ambulance Committee – EHAC
- National Air Transportation Association – NATA
- National Association of Air Medical Communication Specialist – NACCS
- National Association of Neonatal Nurses – NANN
- National Association of State EMS Officials – NASEMSO
- National EMS Pilots Association – NEMSPA
- International Assoc. of Flight and Critical Care Paramedics - IAFCCP
- United States Transportation Command – TransComm
- As Hoc Board Members x2



CAMTS Standards

- **Management and Staffing**
- **Quality Management**
 - Quality Management
 - Utilization Management
 - Safety Management
- **Patient Care**
 - Medical Mission Type and Professional Licensure
 - Medical Direction
 - Orientation, Training and Continuing Education
 - Equipment and Supplies
 - Infection Control
- **Communications**
 - Briefings
 - Requests and Coordination
- **Specific Operations**

CAMTS Program Support and Assistance

- Publications
- Self Assessment Compliance Tool
- Consulting Services
- Workshops
 - Preparing for Accreditation
 - Just Culture
 - Quality, Utilization and Safety

CAMTS Next Steps for Community Medicine

- Notify Organizations that the process is beginning
- Establish the Standards Committee (Consensus Group)
- Draft the Standards
- Publish the Draft Standards and Accept Comments
- Publish the Second Draft and Accept Comments
- Vote of Approval by the Standards Committee
- Ratification by the CAMTS Board
- Publish of the Final Standards with Implementation Date
- Select and Train Site Surveyors
- First Site Survey

Community Paramedicine Program Success

The most successful Community Paramedicine programs will:

- Complete a comprehensive Community Health Needs Assessment (CHNA), specifically for their program
- Design their program to fill the gaps and meet the needs as defined in their CHNA
- Operate cost effectively, offer cost savings
- Work within and become an extension of the healthcare system.
- Deliver continuity of care
- Improve Community Health

Our Partners



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