



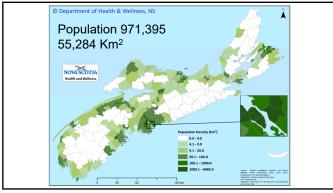








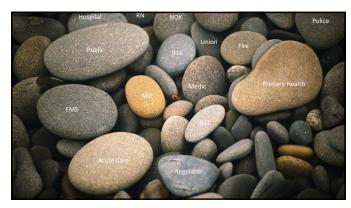
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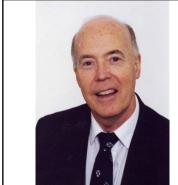








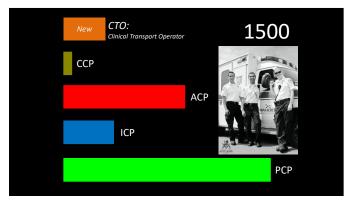




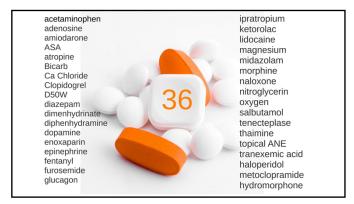
Dr Ron Stewart

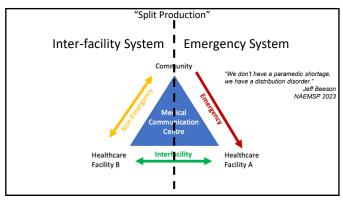


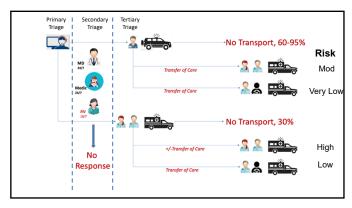


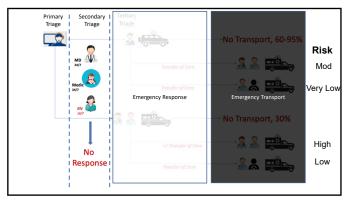


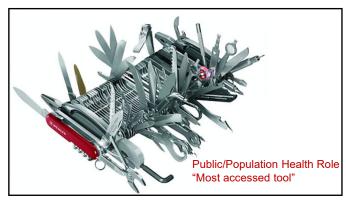






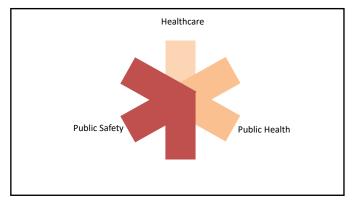


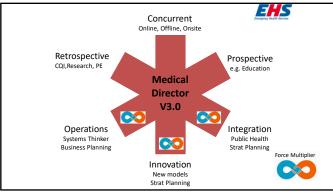


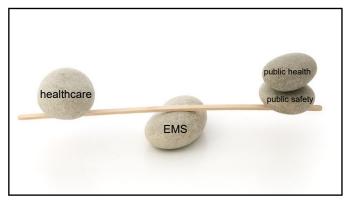




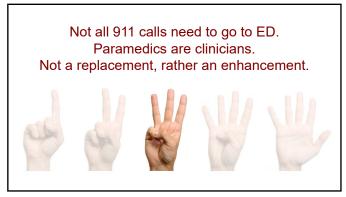


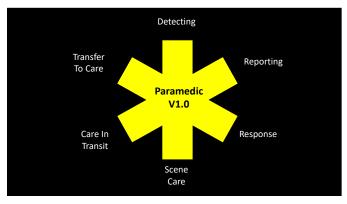


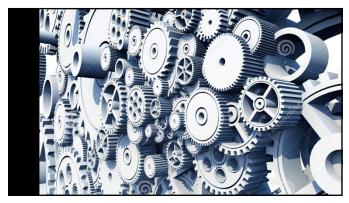


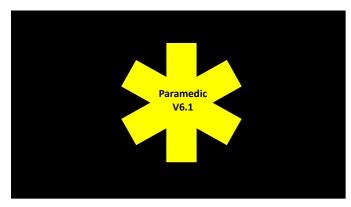


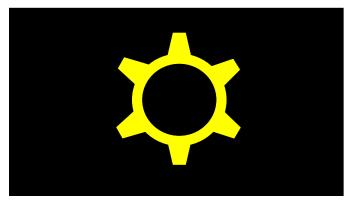


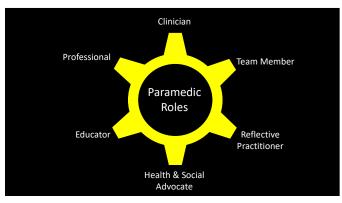


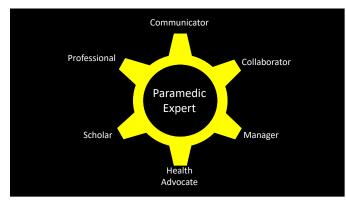








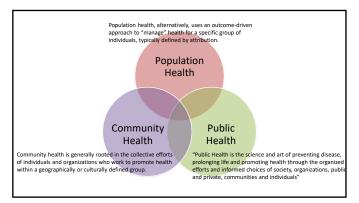


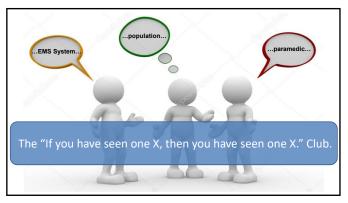


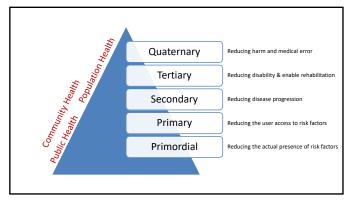




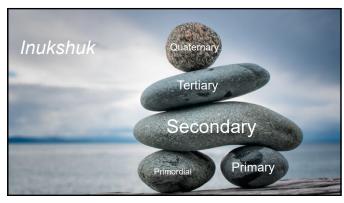


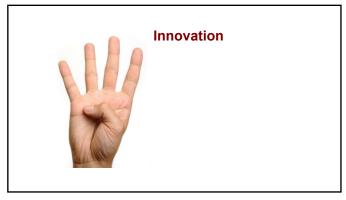




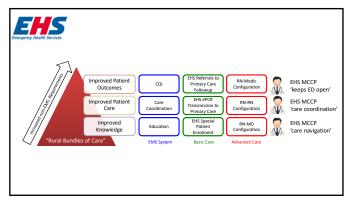








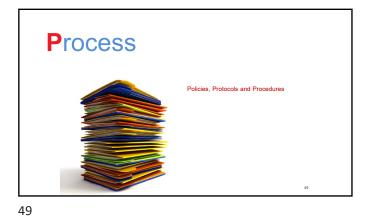












System

Hospital

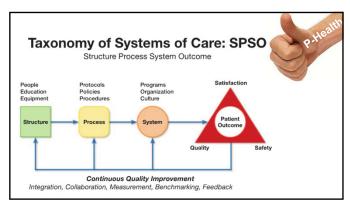
Non-Clinical

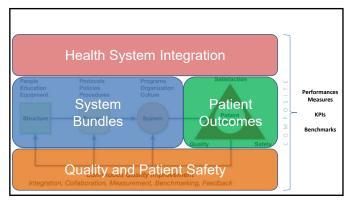
Clinical

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Part 4: Systems of Care and Continuous Quality Improvement 2015 American Heart Association Guidelines Update for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Steven L. Kronick, Chair, Michael C. Kurz; Steve Lin. Dana P. Edelson; Robert A. Berg; John E. Billi; Jose G. Calamas: David C. Cone: Bebora B. Dienes: Bolard Special Desires; John E. Billi; Jose G. Calamas: David C. Cone: Bebora B. Dienes: Sames (Jim) Foster; Reylon A. Mecks; Andrew H. Travers; Michael Welsford The science and recommendation dicussed in the other Parts of the 2015 American Hunt Americanio (AINA) Galadiors Ophale pic Candiquellomomy Reservations (CPR) and Machiner and Theoremset, which represent advanced monitoring and targeted temperature management. As noted above, the armount approach and process cheams therefore the convengency of the Cardior of the Cardior Cardior Cardior Cardior (CPR) and Pariems with OHCA depend on elements within the con-







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Population: Cardiovascular

- Primordial
 - ?
- Primary
- Secondary
- Prehospital Fibrinolysis, 'ECMO', PAD
- Tertiary
 - Special Patient: CHF
- Quaternary
 - Prehospital Identification > Notification



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Population: Chronic Care

- Primordial
- Primary
- _ ?
- Secondary
 - EHS Special Patients (unscheduled)
 - IHP/MIH: Long Term Care FacilitiesParamedics Providing Palliative Care
 - Medical Assistance in Dying (MAID)
- Tertiary
- IHP: Supportive Discharge from Hospital (unscheduled)
- Quaternary
 - ?



Population: Major Trauma

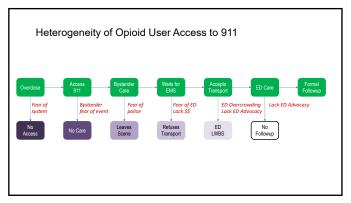
- Primordial
- ATV Legislation, TWD Surveillance
- Primary
- Helmet Legislation, Education Programs
- Secondary
 Strong Tro
- Strong Trauma Guidelines
- Tertiary
 - ?
- Quaternary
 - Prehospital Identification
 - Wrong hospital = medical error

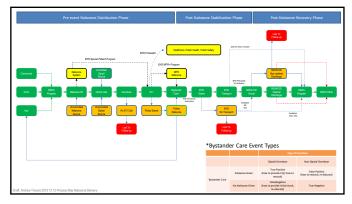


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Population: Opioid Use Disorder

- Primordial
- Firstwatch Syndromic Surveillance: Public Health & Safety
- Primary
- Educational 'Moments', Advocacy
- Secondar
 - Bystander naloxone, Improved Pathways of Care
- Tertiary
- Followup, Treat release, restock, referral
- Quaternary
 - Monitoring of drug/drug, drug/disease interactions in ePCR; Surveillance of Polypharmacy



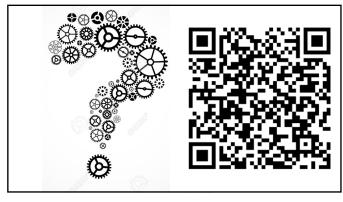
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- Recognize the power of the PCP* health arm of your EMS practice.
- Consider the common enabling strategies.
- Construct a population health checklist.
- Innovate, innovate, innovate.
- Use a systems taxonomy when implementing.

*Public/Community/Population Health

12/27/2023 **NAEMSP**



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Additional Slides of Population Checklists

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Population: Peds

- Primordial
- Primary
- Car Seat Installation
- Secondary

 - TREK Guidelines,
 Special Patient Program: Seizures, CHD, Prehospital Solucortef for Adrenal Insufficiency
- Tertiary
- Quaternary



12/27/2023 **NAEMSP**

Population: Respiratory

- Primordial
- Primary
- 'Just in Time' Education
- Secondary
- Inspire Program: off label narcotic use
- - Supportive Discharge for COPD
- Quaternary
 - Special Patient: COPD, venturi mask 88-92%



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Population: System Status Plan

- Primordial
- Primary
- Community Paramedicine: risk factor reduction
- Secondary
 - Collaborative Emergency Centres
- - Falls Referral Program, No Transfer Referrals
- Quaternary
 - Strong Safety Culture with early reporting of near misses and adverse events
 - Offload Interval <20 min 90% fractile



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Community Paramedicine Community Paramedicine



Cost effectiveness and outcomes of a nurse practitioner-paramedic-family physician model of care: the Long and Brier Islands study

Collaborative Emergency Centres 2000h-0800h: onsite paramedic and RN, online physician • N > 15,000 patients

- Treat & Self Care: 37%
- Treat & Followup: 46%
- Treat & Transfer: 17%
- "Not an emergency department, rather a portal to care."

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Special Patient Program

- N=9000+
- Seizure Patients
- · Congenital Heart Disease
- LVAD Patients
- Behavioral Emergencies
- Palliative Care Patients
- Opioid Use Disorder
- T.E.D. Patient



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Population: Mobile Integrated Health

- Primordial
- Primary
- MIH: Hospital Avoidance Program Secondary
- MIH: Extended Care Program
- Tertiary - MIH: Supportive Discharge Program
- Quaternary



Extended Care Paramedicine

- 4500+ visits, 26 long-term care facilities
- Treat and Release: 80%
- Treat and facilitated ED Transfer: 15%
- Immediate Transfer to Ambulance: 5%
- 0900-2100h, 7d week
- 1102 visits to Police Cells





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Population: unscheduled 'big' events

- Primordial
 - Syndromic Surveillance, Firstwatch
- Primary
 - Syndromic Response
- Secondary
- Emergency Preparedness Response: weather
- Port: cruise ship, migrant vessel planning
 COVID 19 Personse
- COVID-19 Response
- Tertiary
- Quaternary
- ?

