### Curricular Components for Pediatric Emergency Medicine EPA

<table>
<thead>
<tr>
<th>1. EPA Title</th>
<th>Emergency Department Management: Manage the emergency department to optimize patient care</th>
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| 2. Description of the activity | Pediatric emergency medicine physicians must be able to integrate and manage emergency situations within a health system to meet the needs of children and to provide optimal health care.  

The specific functions which define this EPA include:  
- Ensuring overall efficient processing of patients from the prehospital setting to ED disposition  
- Facilitating efficient patient flow through the ED  
- Ensuring adequate ED preparedness (staffing and resources)  
- Anticipating and recognizing capabilities and limitations of the ED, hospital and geographic region  
- Managing hazardous exposures  
- Identifying and responding to high patient flow situations (e.g., surge, disaster)  
- Assessing department capacity, personnel allocation and utilization of resources to ensure quality care to and safety of patients |
| 3. Judicious mapping to domains of competence | _X_ Patient Care  
___ Medical Knowledge  
_X_ Practice-based Learning and Improvement  
_X_ Interpersonal & Communication Skills  
_X_ Professionalism  
_X_ Systems-based Practice |
| 4. Competencies within each domain critical to entrustment decisions |  
**Bolded competencies labeled in the format used on the Pediatric Emergency Medicine Milestone Project.**  
**Non-bolded competencies labeled in the format used on the Pediatric Subspecialty or Emergency Medicine Milestone Projects.**  

1. **PC 2:** Organize and prioritize responsibilities to provide PC that is safe, effective, and efficient  
2. Pediatric Subspecialty SBP 1 (not an ACGME required milestone for PEM): Work effectively in various health care delivery settings and systems relevant to their clinical specialty  
3. Pediatric Subspecialty SBP 4 (not an ACGME required milestone for PEM): Work in inter-professional teams to enhance patient safety and improve PC quality  
4. **PBLI 1:** Use information technology to optimize learning and care delivery  
5. **PROF 3:** Practice flexibility and maturity in adjusting to change with the capacity to alter behavior  
6. **PROF 4:** Provide leadership skills to enhance team functioning, the learning environment, and/or the health care delivery system/environment with the ultimate intent of improving care of patients  
7. Emergency Medicine ICS 2 (not an ACGME required milestone for PEM): Team management - Lead patient-centered care teams, ensuring effective communication and mutual respect among members of the team |
5. Curriculum components that support the functions of the EPA (knowledge, skills and attitudes needed to execute this EPA safely):

**Rationale:** Pediatric emergency medicine physicians must be able to integrate and manage emergency situations within a health system to meet the needs of children and to provide optimal health care.

**Scope of Practice:** Care of the patient begins in the pre-hospital setting through online medical direction, during the delivery of management recommendations prior to and during transport of a patient from another hospital, or on arrival of the patient to the ED. PEM physicians must manage emergency situations within a health system for pediatric patients of all ages from the newborn to young adult. Managing a fluctuating patient population and dynamic staffing is core to the practice of PEM.

**Ensuring overall efficient processing of patients from the prehospital setting to ED disposition**
- Demonstrates knowledge of components and capabilities of the emergency medical system (EMS).
- Differentiates EMS provider levels and scopes of practice. Recognizes that these may be dependent on local medical control.
- Demonstrates familiarity with indirect medical control efforts: equipment lists, treatment protocols, criteria for dispatch, the system’s quality and safety programs, and triage.
- Provides direct medical control when necessary: Communicate real-time, on-line or on-site with out-of-hospital EMS providers to assist with interventions, triage, and transport decisions.
- In the ED, provides rapid and comprehensive processing of patients from prehospital providers while simultaneously initiating appropriately detailed care for patients to ensure seamless transitions of care.

**Facilitating efficient patient flow throughout the ED**
- Prioritizes and implements the evaluation and management of multiple patients in the ED; manages interruptions and switches tasks as necessary.
- Initiates care commensurate with acuity. Provides medical intervention in the context of incomplete information of the patient’s presenting history and physical exam findings in appropriate patients such as for those whom.
  - Diagnostic testing may be ordered while they are waiting for a complete evaluation by an ED provider.
  - Therapeutic measures may be initiated while they are waiting for a complete evaluation by an ED provider.
- Arranges for and/or facilitates patient admission, discharge, observation, or transfer as appropriate.
- Coordinates, educates, or supervises members of the patient management team.
- Facilitates and coordinates care delivered by consultants; minimizes delays in care delivery.
- Utilizes appropriate hospital resources.

**Ensuring adequate ED preparedness (staffing and resources)**
- Ensures adequate ED staffing to match projected patient needs.
- Continuously monitors and assesses ED conditions.
- Identifies, matches, and allocates emergency resources to optimize patient care. Such resources include:
  - Equipment availability
  - Personnel availability
  - Space capabilities
- Takes into consideration the immediate ED, hospital and geographic region accessibility of such resources as the situation requires.

Anticipating and recognizing capabilities and limitations of the ED, hospital and geographic region
- Plans solutions for ED overcrowding, critical care unit and inpatient unit capacity levels and utilizes potential diversion mechanisms.
- Implements a hospital/institutional level incident management plan that integrates with community response agencies.
- Implements ongoing communication to monitor and survey existing and changing capabilities and capacity in the ED unit, hospital and region.

Managing hazardous exposures
- Identifies agents requiring decontamination.
- Recognizes patient exposures and conditions that require hazardous materials isolation.
- Plans triage, decontamination and healthcare worker protection for exposures.

Identifying and responding to high patient flow situations (e.g., surge, disaster)
- Employs efficient processes for diagnostic testing and follow up.
- Identifies and addresses communication barriers.
- Assesses available resources and demonstrates appropriate resource utilization.
- Plans for intake of patients from EMS and those who walk into the ED.
- Plans for social support structure; specific to the pediatric population is caregiver issues.
  - Keeps children with their caregivers if possible.
  - Provides necessary support and/or supervision for unaccompanied minors.
- Answers “parent” calls
- Addresses public and media questions

Assessing department capacity, personnel allocation and utilization of resources to ensure quality care to and safety of patients
- Utilizes policies and procedures related to ED operations.
- Promotes safety by addressing behavioral and cognitive skills needed to effectively manage all available resources in a crisis situation. Demonstrates effective non-technical skills such as communication, teamwork, situational awareness and leadership.
  - Acquires and analyzes ED data and operational metrics.
  - Integrates the use of a “real-time” ED dashboard.
• Identifies issues related to patient safety and medical errors. Utilizes a standardized error reporting system that seeks to understand, categorize and decrease system failures as opposed to placing blame on individuals.  
• Applies principles of quality improvement in the development and implementation of initiatives that provide system level changes to ensure safe, effective, patient centered, efficient, timely, and equitable healthcare for all patients.

References

American Board of Pediatrics Subboard of Pediatric Emergency Medicine. Content Outline Pediatric Emergency Medicine Subspecialty In-training, Certification, and Maintenance of Certification Examinations. https://www.abp.org/content/content-outlines-subspecialties


