

Pediatric Learning Solutions



Emergency Department List

Content Sequencing

2/9/2026

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Promote effective transition to practice for clinicians new to caring for pediatric patients in the Emergency Department

Purpose

The Pediatric Learning Solution's (PLS) Emergency Department (ED) List provides a standardized educational program that offers graduate clinicians and clinicians new to caring for pediatric patients in the ED setting an opportunity to learn and review foundational content. This content is intended for use as a component in a learning model that blends online courseware with application-focused instructor-led, preceptor-led, simulation and other learning activities that focus on application and critical thinking.

The [Emergency Department course list](#) contains resources specific to educators managing the onboarding of new hires in the ED settings, specifically those caring for children. Use this list as you incorporate the ED content into your orientation programming for recommendations on sequencing of content.

The courses comprising the ED list originate from Pediatric Learning Solutions' Pediatric Acute Care, Pediatric Critical Care (PICU and NICU) and Behavioral Health libraries. At this time, the patient scenarios presented within the courses are primarily inpatient focused. However, the core content presented is applicable to most pediatric audiences. PLS' learning development specialists are available to discuss creating a blended learning program using the courseware within specific ambulatory settings.

Online Course Navigation

Within each course, learners can use the **'Content' tab** to easily find a desired page or topic area. The **'Info' tab** provides a list of authors and contributors, references, and glossary. The **'Your Certificates' tab** allows learners to view and re-print, if needed, all the continuing education they've earned with any Pediatric Learning Solutions (PLS) course. **'Let's Apply' exercises** are placed throughout the course and allow learners to apply what they are learning to patient scenarios without impacting their assessment score.

Each course offers a "Review", "Practice" and "Assessment" option. The "Review" option takes the learner through the course page by page. The "Practice" option compiles all the 'Let's Apply' questions to serve as a practice assessment. The "Assessment" is the final test that is scored. The baseline pass rate is set at 80% but can be changed if desired by contacting [Learning Support](#).

The PLS App

The PLS App is intended to serve as a companion tool for learners by providing additional resources and learning activities. From any PLS online course, learners can follow steps to add the PLS app to their mobile device. Each online course provides an 'AppConnect' button in the upper right corner.

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Once connected, learners will have access on their mobile device to all job aids and videos included in any PLS library your organization purchases. Learners can save a page in an online course and view it in the App as well as have access to additional supplemental activities that provide quick learnings and encourage critical thinking.

Recommendations for Sequencing

To avoid overwhelming orientees, appropriate sequencing of the various learning activities of the onboarding program is critical. Delineation as *Introductory*, *Intermediate* and *Advanced* provides general recommendations for assignment of the learning activities in the onboarding program as follows:

Introductory: within the first 4 to 6 weeks (orientation weeks 1-6)

Intermediate: within the second 4 to 6 weeks (orientation weeks 5-12)

Advanced: within the last 4 to 6 weeks (orientation weeks 9-18)

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Appendix A

Emergency Department – Introductory Courses *Orientation weeks 1 - 6 / First 4 to 6 weeks*

Patient Care

- Age-Specific Care for Adolescents
- Age-Specific Care for Adults
- Age-Specific Care for Infants
- Age-Specific Care for Newborns
- Age-Specific Care for Preschoolers
- Age-Specific Care for School-Age Children
- Age-Specific Care for Toddlers
- Pediatric Assessment: The Cardiovascular System
- Pediatric Assessment: The Gastrointestinal System
- Pediatric Assessment: The Genitourinary System
- Pediatric Assessment: The Musculoskeletal System
- Pediatric Assessment: The Neurological System
- Pediatric Assessment: The Respiratory System
- Pediatric Assessment: The Integumentary System
- Pediatric Assessment: Performing a Head-to-Toe Assessment
- Assessment of the Critically Ill Child
- Pediatric Restraint and Seclusion
- Health Care Advance Directives: Communicating Wishes
- Introduction to Pediatric Pressure Injury
- Pressure Injuries in the Pediatric Population: Staging and Care
- Pressure Injury Staging Assessment
- Thermoregulation of the Newborn
- Clinical Delegation
- EMTALA Overview
- Healthcare Emergency Management
- HIPAA Overview
- Radiation Safety

Fluids and Electrolytes

- Fluid and Electrolyte Management: Physiological Differences
- Fluid and Electrolyte Management: Laboratory Assessment
- Fluid and Electrolyte Management: Physical Assessment
- Fluid and Electrolyte Management: Dehydration

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Medication and Blood Administration

- Basic Medication Calculation
- Advanced Medication Calculation
- High-Alert Medications
- Medication Error Reduction
- Blood and Blood Components Administration
- Blood Components
- Blood Transfusion Reaction

Vascular Access

- Pediatric Peripheral IV Care & Management
- Management of Peripheral IV Complications in the Pediatric Patient
- Preventing Central Line-Associated Bloodstream Infections

Pain Management and Sedation

- Pain Management: Pain Pathophysiology
- Pain Management: Assessment of Pain
- Pain Management: Non-Pharmacological Therapies in the Management of Pediatric Pain
- Pain Management: Pharmacological Management of Pediatric Pain
- Pain Technologies: PCA & Epidural Analgesia (*Optional*)
- Procedural Sedation in the Pediatric Patient
- Neonatal Pain Assessment and Management

Family-Centered Care

- Child Abuse and Neglect
- Intimate Partner Violence
- Family-Centered Care in the ICU (*Optional*)
- Introduction to Ethics (*Optional*)
- Therapeutic Relationships and Professional Behavior

Cardiovascular Care

- Arrhythmia Recognition & Care Management Series:
 - Arrhythmia Recognition: Just the Basics for the Pediatric Clinician and/or
 - Arrhythmia Recognition: Structure and Function of the Heart (*Refresher*)
 - Arrhythmia Recognition: The Cardiac Monitor
 - Arrhythmia Recognition: Lines, Waveforms and Segments
 - Arrhythmia Recognition: Analyzing the ECG Rhythm Strip
 - Arrhythmia Recognition: Sinus
- Arrhythmia Assessment: Common Pediatric Rhythms (*Optional*)

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Respiratory Care

- Status Asthmaticus
- Asthma

Infectious Diseases and Management

- Management of MDROs in the Health Care Setting (*Clinical*)

Behavioral Health

- Care of the Pediatric Patient with Suicidal Ideation
- Trauma-Informed Practice: Concepts, Goals and Key Principles
- Implementing Trauma-Informed Sensitive Practice
- Crisis Prevention through Verbal and Nonverbal De-escalation Strategies
- Vicarious Trauma and Self Care

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Emergency Department – Intermediate Courses *Orientation weeks 5 - 12 / Second 4 to 6 weeks*

Cardiovascular Care

- Neonatal Sepsis
- Pediatric Sepsis
- Caring for the Pediatric Patient in Shock

Respiratory Care

- Basic Principles of Oxygen Therapy, Specialty Gases and Noninvasive Ventilation
- Caring for a Child with a Tracheostomy
- Respiratory Inhalation Medications
- Lower Airway Diseases
- Cystic Fibrosis
- Apnea of Prematurity

Endocrinology

- Diabetes Mellitus
- Diabetic Ketoacidosis
- Hyperbilirubinemia (*Optional*)
- Metabolic Disorders of the Newborn

Hematology

- Hemophilia: An Overview
- Sickle Cell Crisis
- Oncologic Emergencies

Neurology

- Hydrocephalus
- Meningitis and Encephalitis
- Neonatal Seizures
- Status Epilepticus

Renal Care/Nephrology

- Renal Failure in the Pediatric Patient

Behavioral Health

- Caring for the Patient with Behavioral Challenges
- Effective Use of Psychotropic Medications in the Prevention and Management of Disruptive Behavior

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- Anxiety and Obsessive-Compulsive Disorders (OCD)
- Autism Spectrum Disorder (ASD)
- Attention-Deficit/Hyperactivity Disorder (ADHD)
- Eating Disorders
- Oppositional Defiant Disorder (ODD)
- Pediatric Mood Disorders
- Psychotic Disorders
- Trauma- and Stressor-related Disorders

Toxicology Exposure

- Pediatric Toxicology Exposure

End-of-Life Care

- Care of the Dying Child: Grief
- Care of the Dying Child: Dying Process

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Emergency Department – Advanced Courses *Orientation weeks 9 - 18 / Last 4 to 6 weeks*

Patient Care

- Organ and Tissue Donation: The Gift of Life

Cardiovascular Care

- Acquired Heart Disease
- Congestive Heart Failure
- CHD: An Overview
- CHD: Increased Pulmonary Blood Flow
- CHD: Decreased Pulmonary Blood Flow
- CHD: Decreased Systemic Blood Flow
- Vasoactive Medications
- Hemodynamic Monitoring (*Optional*)
- Arrhythmia Recognition & Care Management Series (*Optional*)
 - Arrhythmia Recognition: Atrial
 - Arrhythmia Recognition: Junctional
 - Arrhythmia Recognition: Ventricular
 - Arrhythmia Recognition: Atrioventricular Blocks
 - Arrhythmia Recognition: Channelopathies
 - Permanent Pacemakers and ICDs
 - Arrhythmia Recognition: Electrophysiology
- Arrhythmia Assessment (Comprehensive Test)

Respiratory Care

- Introduction to Arterial Blood Gas Interpretation
- Understanding Abnormal Blood Gases
- Acute Respiratory Distress Syndrome
- Advanced Concepts in Respiratory Physiology (*Optional*)
- Mechanical Ventilation: Introduction to Pediatric Practices (*Optional*)
- Preventing Ventilator-Associated Pneumonia (*Optional*)
- Meconium Aspiration (*Optional*)
- Neonatal Respiratory Distress Syndrome
- Nursing Management of Chest Tubes
- Management of the Difficult Airway
- Rapid Sequence Intubation

Endocrinology

- Diabetes Insipidus and SIADH

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Gastroenterology

- Abdominal Emergencies
- Necrotizing Enterocolitis (*Optional*)
- Neonatal Obstructive and Motility GI Disorders

Hematology/Oncology

- Disseminated Intravascular Coagulation
- Thrombocytopenia: ITP and HIT/T
- Solid Tumors: Brain and Spine
- Solid Tumors: Neuroblastoma, Liver, Kidney, and Germ Cell Tumors
- Solid Tumors: Bone and Soft Tissue Sarcomas
- Hematological Disorders in Pediatrics
- Pediatric Leukemia and Lymphoma

Neurology

- Hypoxic Ischemic Encephalopathy (*Optional*)
- Intracranial Pressure Monitoring and Management (*Optional*)
- Pediatric Stroke

Trauma

- Pediatric Abdominal Trauma
- Pediatric Burns
- Pediatric Orthopedic Trauma
- Pediatric Spinal Column/Cord Injuries
- Pediatric Thoracic Trauma
- Pediatric Traumatic Brain Injury
- The Deadly Triad of Trauma
- Pediatric Drowning

Medication and Blood Administration

- Blood Exchange Transfusion (*Optional*)
- Chemotherapy General Principles and Safety

Infectious Diseases and Management

- Tuberculosis

Renal

- STEC-HUS (Shiga Toxin-Producing *Escherichia coli*-Associated Hemolytic Uremic Syndrome)