



**What's
Included?**

**Scenarios in
Seconds®**

Critical Calculations & Color Coding Kids

**How Does It
Work?**



Scenarios In Seconds is a hands-on pediatric emergencies master class in a bag.



Everything you need to take your students from being terrified of peds, to feeling confident and prepared for real-life.



The US Navy Seals have a saying...
"Under pressure you don't rise to the occasion.
You sink to the level of your training."



**We wanted everyone to have the opportunity to have regular quality peds training.
Because, in the end, you hope for the best, but have to prepare for the worst.
That's why included in Scenarios In Seconds there are...**



14 life-size Mani-Kids (lightweight, durable, foldable, cleanable boards) that cover all 9 color zones on the Broselow/Handtevy tape plus 5 additional Mani-Kids with permanent moulage (measles, chicken pox, meningococccemia, burned, and a cyanotic baby)

Scenario #1

38-year old G11 P10. Her contractions are 30 seconds apart and she is moving.

Back to Basics

- (A) What is the normal heart rate, respirations, & systolic blood pressure?
- (B) What is the child's weight?
- (C) How old is this simulated patient?

If this patient crashes...

- (F) What size endotracheal tube? Where do you tape it at the lip?
- (G) What size suction catheter?
- (H) What is the dose (0.01 mg/kg) of IV epinephrine in mg and mL?
- (K) Nasogastric or orogastric tube size?
- (L) Foley urinary catheter size?

Scenario #108

7-month old lethargic child with a "really icky rash all over his body." Mom says the rash appears to be spreading "in front of her eyes."

Back to Basics

Reminder: Peds tapes, cheat sheets, and apps have most, but may not have all of the answers, so be prepared!

- (A) What color zone does this Mani-Kid fall into?
- (B) What is the child's weight?
- (C) How old is this simulated patient?

If this patient crashes...

- (F) What size endotracheal tube? Where do you tape it at the lip?
- (G) What size suction catheter?
- (H) What is the dose (0.01 mg/kg) of IV epinephrine in mg and mL?

Advanced

- (D) What is the normal heart rate, respirations, & systolic blood pressure?
- (E) If you need a back-up airway, what size would you use? (King Airway, LMA, or i-gel)
- (I) What is the dose (0.2-0.5 g/kg) of IV Dextrose in g and mL? (Your department's concentration)
* Suggested % concentrations of IV Dextrose: < 1-year old get D10; 1-8 years old get D25; 9 years and older get D50 * Push D50 ONLY over 5-10 minutes *
- (J) Normal saline or LR bolus (20 mL/kg) in mL?

Expert

- (K) Nasogastric or orogastric tube size?
- (L) Foley urinary catheter size?
- (M) What is the dose (50 mg/kg) of IV Rocephin (ceftriaxone) in mg?
- (N) If despite adequate fluid resuscitation, the child remains critically hypotensive, commonly used vasopressors include?



PEDS PEARLS QUICK TIPS

- Nothing good ever comes of rapidly spreading rashes
- Abnormal PAT (peds assessment triangle) findings + Rash = Life Threatening
- Little, AKA petechiae, or even worse, big, AKA purpura, red or blue blotches that don't blanch are BAD!
- These symptoms scream "meningococcal badness." AKA meningococcal meningitis, meningococemia, sepsis, etc.

108 medical and trauma scenario cards written by pediatric nurse expert Scott DeBoer. "All the scenarios are real life peds patients I have encountered in my 30+ years of experience." -Scott

Scenario #44



6-year old who fell off the back of an ATV onto his head and chest. He is hypotensive, pale, and diaphoretic with equal breath sounds bilaterally.

Back to Basics

Reminder: Peds tapes, cheat sheets, and apps have most, but may not have all of the answers, so be prepared!

- | | |
|---|---|
| (A) What color zone does this Mani-Kid fall into? | (D) What is the normal heart rate, respirations, & systolic blood pressure? |
| (B) What is the child's weight? | (E) If you need a back-up airway, what size would you use? (King Airway, LMA, or i-gel) |
| (C) How old is this simulated patient? | |

If this patient crashes...

Advanced

- | | |
|--|--|
| (F) What size endotracheal tube? Where do you tape it at the lip? | (I) Beck's triad is associated with what injury? |
| (G) What size suction catheter? | (J) Normal saline or LR bolus (20 mL/kg) in mL? |
| (H) What is the dose (0.01 mg/kg) of IV epinephrine in mg and mL?
<small>* 1 mg/10 mL concentration</small> | |
| (K) Nasogastric or orogastric tube size? | (M) What is the dose (0.3 mg/kg) of IV Etomidate in mg and mL? |
| (L) Foley urinary catheter size? | (N) Where would you place an intraosseous needle (IO) in this child? |

Expert



PEDS PEARLS QUICK TIPS

"Beck's Triad"

JVD/muffled heart sounds/systolic and diastolic blood pressures getting much closer to each other

- Many patients don't have Beck's Triad of symptoms, but still have cardiac tamponade
- Don't wait for Beck's Triad of symptoms to be present prior to emergency interventions
- Pericardiocentesis best performed with ultrasound guidance

Overview of quick tips covered in video

Scenario Card Breakdown

Scenario #44



6-year old who fell off the back of an ATV onto his head and chest. He is hypotensive, pale, and diaphoretic with equal breath sounds bilaterally.

Back to Basics

Reminder: Peds tapes, cheat sheets, and apps have most, but may not have all of the answers, so be prepared

- | | |
|--|--|
| A What color zone does this Mani-Kid fall into? | D What is the normal heart rate, respirations, & systolic blood pressure? |
| B What is the child's weight? | E If you need a back-up airway, what size would you use? (King Airway, LMA, or i-gel) |
| C How old is this simulated patient? | |

If this patient crashes...

Advanced

- | | |
|---|---|
| F What size endotracheal tube? Where do you tape it at the lip? | I Beck's triad is associated with what injury? |
| G What size suction catheter? | J Normal saline or LR bolus (20 mL/kg) in mL? |
| H What is the dose (0.01 mg/kg) of IV epinephrine in mg and mL?
<small>* 1 mg/10 mL concentration</small> | |

Expert

- | | |
|---|---|
| K Nasogastric or orogastric tube size? | M What is the dose (0.3 mg/kg) of IV Etomidate in mg and mL? |
| L Foley urinary catheter size? | N Where would you place an intraosseous needle (IO) in this child? |



PEDS PEARLS QUICK TIPS

"Beck's Triad"

JVD/muffled heart sounds/systolic and diastolic blood pressures getting much closer to each other

- Many patients don't have Beck's Triad of symptoms, but still have cardiac tamponade
- Don't wait for Beck's Triad of symptoms to be present prior to emergency interventions
- Pericardiocentesis best performed with ultrasound guidance



All Mani-Kids measure to their correct color zone for both Broselow and Handtevy. Each scenario card matches up with a Mani-Kid who is the patient for the scenario.



Pediatric manikins are nice if you have them, they are just hard to transport, and clean. “Mani-Kids” are great because all 14 fold up and fit in one rolling bag. They also help your students begin to identify ages of real kids. This is what a 6-month old looks like versus a 1-year old.



Pediatric Emergency Challenge Scenario

Pedi-Ed-Tricks™

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Scenario #1

38-year old, G11, P10. Her contractions are 30-seconds apart and she is full-term. The baby pops out and appears to be big, moving, and actively crying.

Back to Basics

- A What color zone does this Mani-Kid fall into?
B What is the child's weight?
C How old is the child according to the color zone?
D What is the normal heart rate, respirations, & systolic blood pressure?
E If you need a back-up airway, what size would you use? (King airway, #1A, 1-gill)

If this patient crashes...

- F What size endotracheal tube? Where do you tape it at the lip?
G What size suction catheter?
H How much Epinephrine? mg & mL (1 mg/10 mL concentration)
I What is the dose (0.2-0.5 g/kg) of IV Dextrose in g and mL? (Your department's concentration)
J Normal saline or LR bolus (10-20 mL/kg) in mL?

Expert

- K Nasogastric or orogastric tube size?
L Foley urinary catheter size?
M What is the dose (0.5-1 mcg/kg) of IV FentaNYL in mcg and mL? * Push 3.0mcg over 2-3 minutes *
N What is the dose (0.05-0.1 mg/kg) of IV Versed (midazolam) in mg and mL? (Your department's concentration)
* NAS recommended PEDS 1mg/5 dose & 2mg. These additional 10 doses * Push 3.0mcg over 2-3 minutes *

PEDS PEARLS QUICK TIPS

90% of
deliveries...

- clamp 'em
- Don't drop 'em
- Keep 'em
Pink, Warm + Sweet

Test Your
Time!



On/Off ~ Reverse Side

Hold MIN SEC to Reset

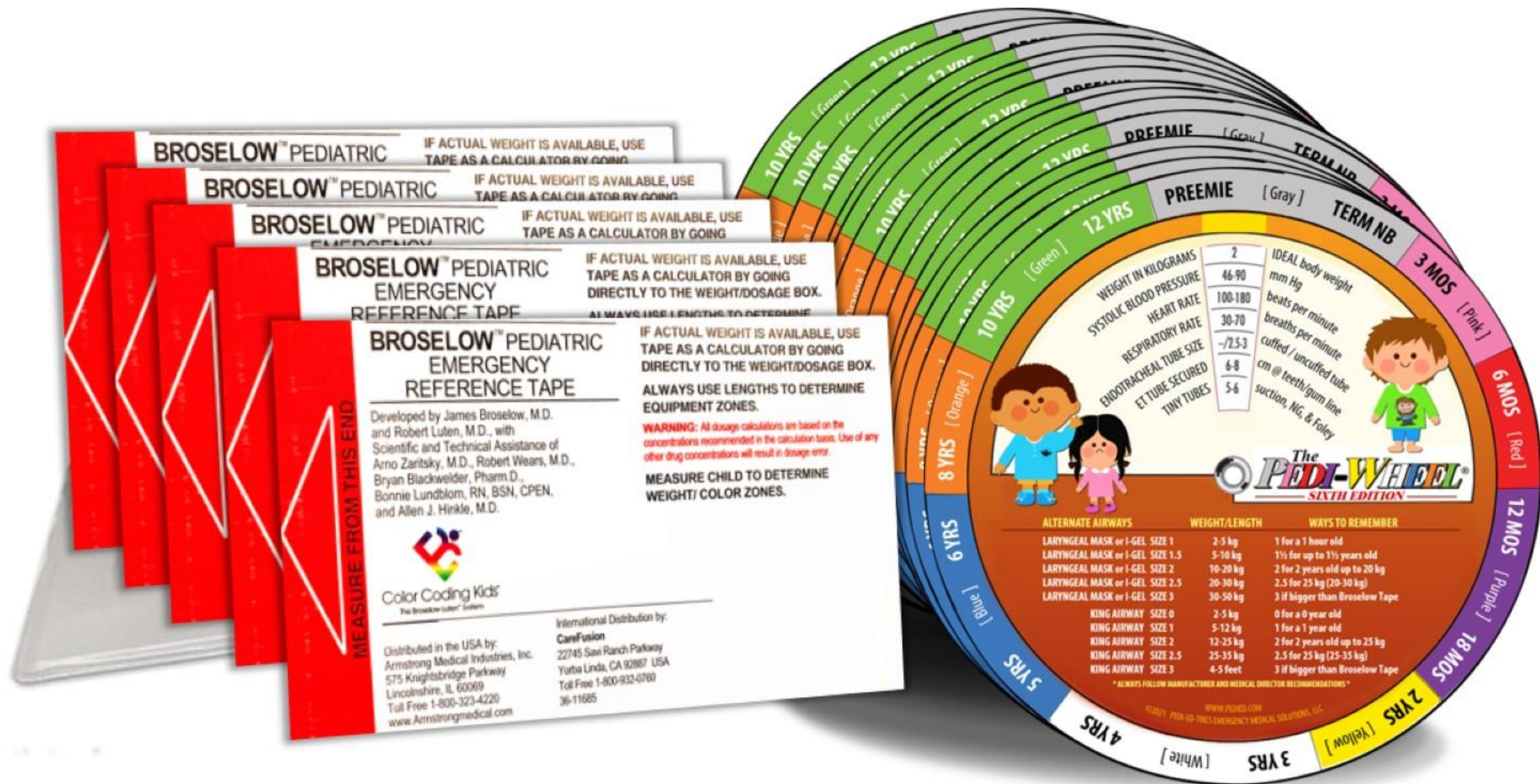
Insert Scenario Here

Scenarios
in
Seconds

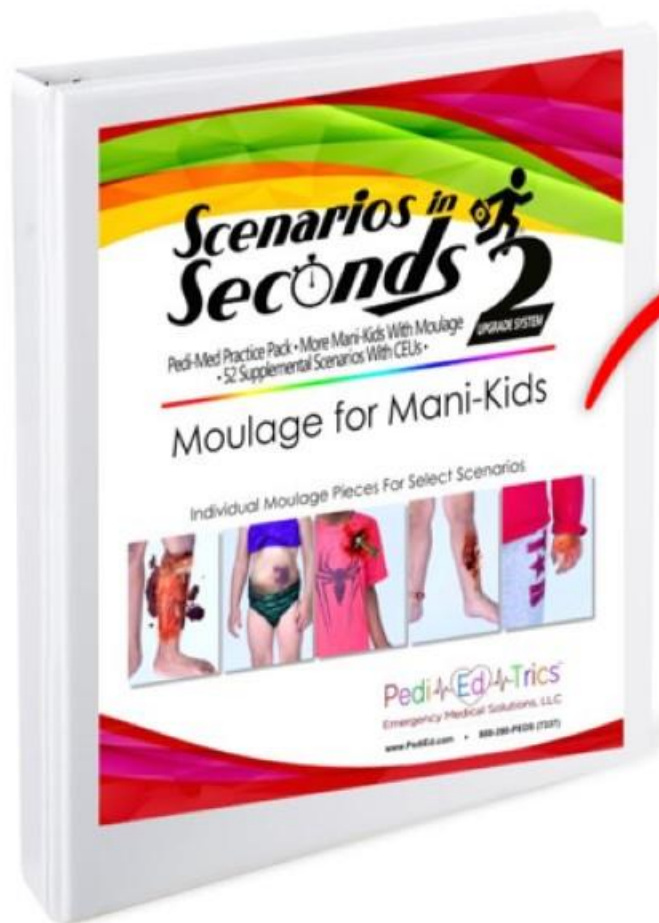
1-888-280-PEDS(7337) | PediEd.com

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Clear plastic scenario frame and timer protects cards while students run the scenario, and timer allows for fun friendly competition to test ones time and track improvement.



Also included: 5 Broselow Tapes and 15 Pedi-Wheels (now color coded to Broselow and Handtevy colors)



**Binder of temporary
moulage**



**Transparent removable moulage allows the educator the
ability to change the injuries to better depict the scenario.**



Having a student say that they would give 0.1cc of epi is great. Actually having them pull up 0.1cc of practice epi takes learning to the next level. The med pack allows students to not only calculate the medication dosages but then also pull them up.

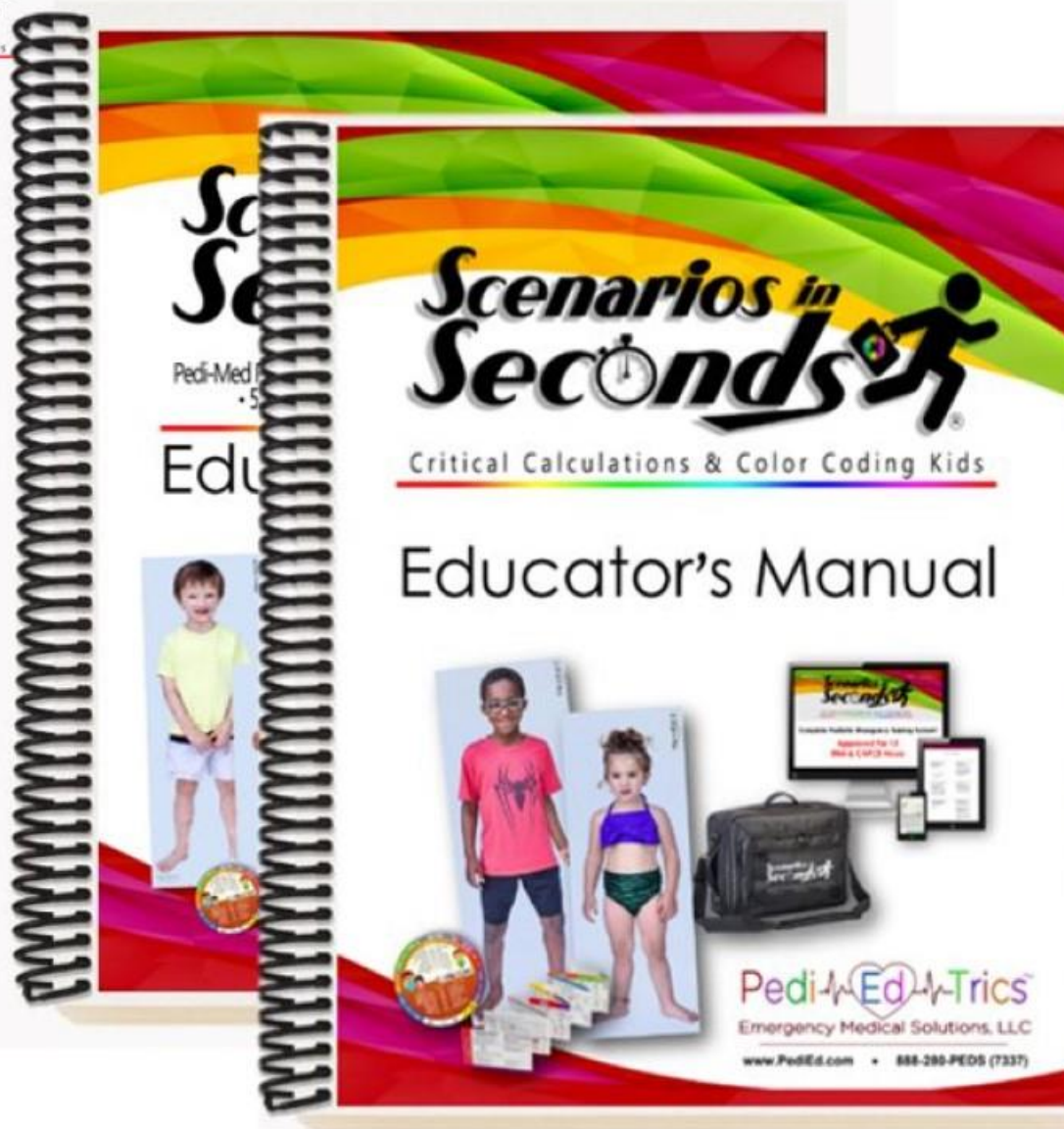
CUSTOMIZING PEDI-MEDS

- Labels are included for each of the meds utilized in Scenarios in Seconds
- The practice vials may be refilled with saline or water and used over and over
- Place the labels on vials with concentrations used by your facility (i.e. Which mg/mL morphine do you use?)
- If your facility does not use certain meds (i.e. rabies and EMS), additional labels of the most frequently simulated Peds-Meds are repeated on the label sheets

PROPER PLANNING PREVENTS POOR PEDIATRICS!



The included medication labels allow for complete customization of the med pack. Use whatever concentration of whatever drugs are used by your facility. All medications referenced in the 108 scenarios have labels.



Scenarios in Seconds Critical Calculations & Color Coding Kids Educator's Manual	Scenario Index	1
Objectives/Competencies		2
Ways To Play (Suggested Training Exercises)		3
Answer Keys		4
Templates Resources & More		5

The educator manuals contain everything you will want to know as an educator. Including...



Critical Calculations & Color Coding Kids

Educator's Manual

Scenario Index

Objectives/Competencies

Ways To Play
(Suggested Training Exercises)

Answer Keys

Templates
Resources & More

1

2

3

4

5

the *Scenarios* table of contents

- (1) 38-year old, G11, P10. Her contractions are 30-seconds apart and she is full-term. The baby pops out and appears to be big, moving, and actively crying.
Medical | Newborn | Gray / Mani-Kid I
- (2) 10-year old in respiratory distress with a history of Duchenne's muscular dystrophy since the age of 6. He is managed at home with nasal BiPAP.
Medical | Respiratory | Green / Mani-Kid A
- (3) 3-month old who the "baby daddy/boyfriend" says "won't wake up." The infant is unresponsive and barely breathing.
Trauma | Neuro | Pink / Mani-Kid H
- (4) 4-year old with mild shortness of breath. Mom says he has a history of "asthma."
Medical | Respiratory | White / Mani-Kid D
- (5) 6-month old, 8 kg child with a history of "heart problems" (unrepaired Tetralogy of Fallot). The child is blue, in moderate respiratory distress, and the parents have the child's knees drawn up to the chest.
Medical | Cardiac | Red / Mani-Kid G
- (6) 6-month old presents with a runny nose, wheezy cough, and mildly increased work of breathing. He has no significant past history.
Medical | Respiratory | Red / Mani-Kid G
- (7) 28-year old G1, P0 whose "bag of water" just broke and it looked like "pea soup." The baby pops out, appears to be full-term, but is floppy, unresponsive, and covered in thick goo.
Medical | Newborn | Gray / Mani-Kid I
- (8) 6-year old with a partial right lower extremity amputation from a farm accident. He is barely conscious and going into shock.
Trauma | Extremity | Blue / Mani-Kid C

- Scenario number
- Scenario
- Scenario type
- Injury or illness type
- Mani-Kid color zone
- Mani-Kid letter

Breakdown of the scenario index.

Scenarios in Seconds

Answer questions through your skill level. (Circle one of the options in brackets for E & F)

Back to Basics

Your Completion Time: _____

- (A) Color Zone _____
- (B) Body Weight _____
- (C) Child's Age _____
- (D) Normal Heart Rate _____ Respirations _____ Systolic Blood Pressure _____
- (E) Back-Up/Alternate Airway Size _____ [King Airway LMA i-gel]

Advanced

- (F) ETT Size _____ [Cuffed or Uncuffed] Taped At Lip _____ cm
- (G) Suction Catheter _____ Fr
- (H) IV Epi Dose _____ mg & _____ mL
- (I) _____
- (J) Normal saline or LR bolus _____ mL

Expert

- (K) Nasogastric or Orogastic Tube _____ Fr
- (L) Foley Urinary Catheter Size _____ Fr
- (M) _____
- (N) _____

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Emergency Medical Solutions, LLC

Scenarios in Seconds

Multiple Patients
Answer Sheet

NAME: _____ DATE: _____ PAGE # _____

Answer questions through your skill level. (Circle one of the options in brackets for E & F)

Scenario # _____

- (A) Color Zone _____
- (B) Weight _____ (C) Age _____
- (D) Normal Heart Rate _____ Respirations _____ Systolic Blood Pressure _____
- (E) Back-Up/Alternate Airway _____ [King Airway LMA i-gel]
- (F) ETT Size _____ [Cuffed or Uncuffed] Taped at Lip _____ cm
- (G) _____ Fr Suction Catheter
- (H) IV Epi Dose _____ mg & _____ mL
- (I) _____
- (J) Normal saline or LR bolus _____ mL
- (K) _____ Fr Nasogastric or Orogastic Tube
- (L) _____ Fr Foley Urinary Catheter Size
- (M) _____
- (N) _____

Scenario # _____

- (A) Color Zone _____
- (B) Weight _____ (C) Age _____
- (D) Normal Heart Rate _____ Respirations _____ Systolic Blood Pressure _____
- (E) Back-Up/Alternate Airway _____ [King Airway LMA i-gel]
- (F) ETT Size _____ [Cuffed or Uncuffed] Taped at Lip _____ cm
- (G) _____ Fr Suction Catheter
- (H) IV Epi Dose _____ mg & _____ mL
- (I) _____
- (J) Normal saline or LR bolus _____ mL
- (K) _____ Fr Nasogastric or Orogastic Tube
- (L) _____ Fr Foley Urinary Catheter Size
- (M) _____
- (N) _____

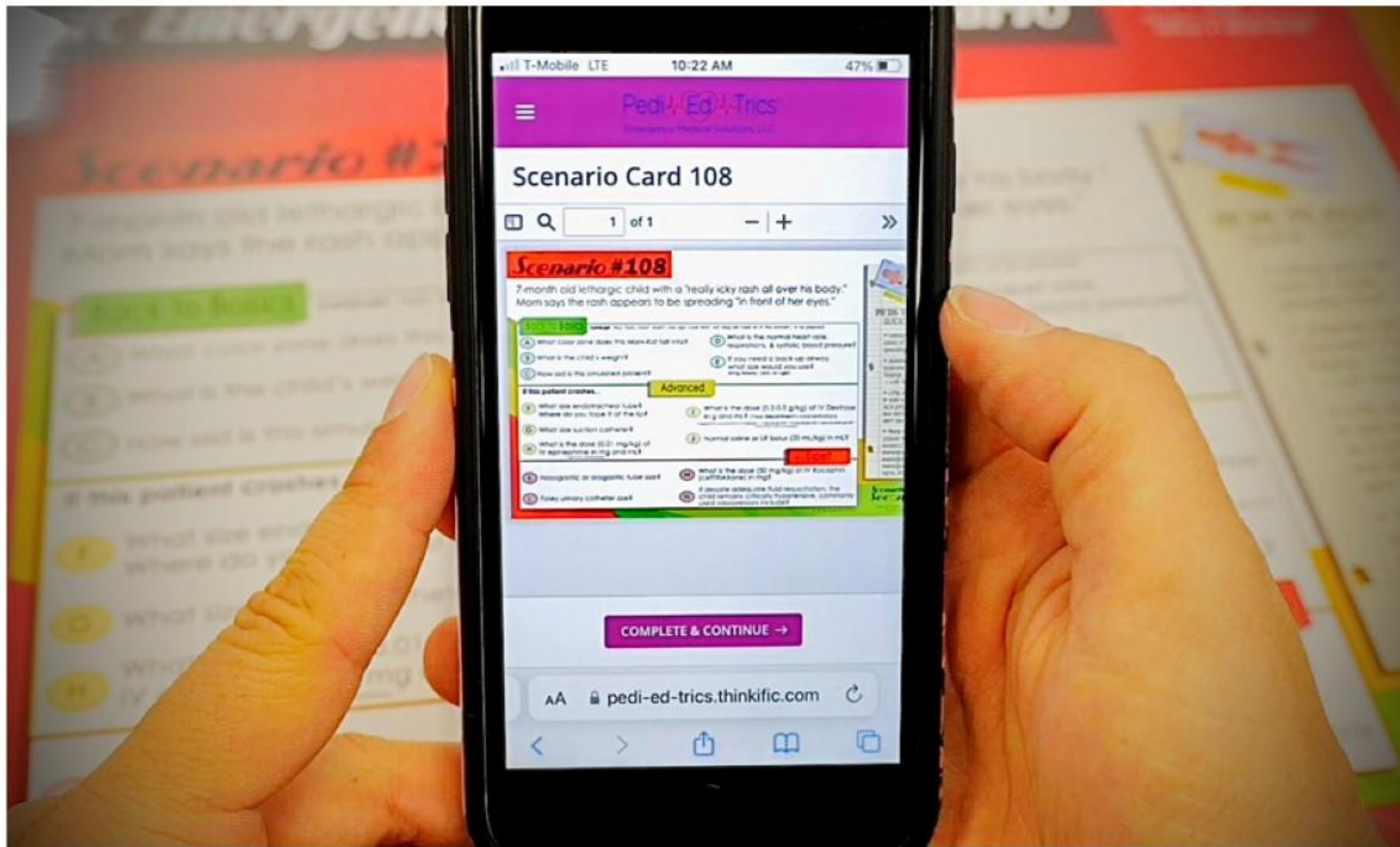
Scenario # _____

- (A) Color Zone _____
- (B) Weight _____ (C) Age _____
- (D) Normal Heart Rate _____ Respirations _____ Systolic Blood Pressure _____
- (E) Back-Up/Alternate Airway _____ [King Airway LMA i-gel]
- (F) ETT Size _____ [Cuffed or Uncuffed] Taped at Lip _____ cm
- (G) _____ Fr Suction Catheter
- (H) IV Epi Dose _____ mg & _____ mL
- (I) _____
- (J) Normal saline or LR bolus _____ mL
- (K) _____ Fr Nasogastric or Orogastic Tube
- (L) _____ Fr Foley Urinary Catheter Size
- (M) _____
- (N) _____

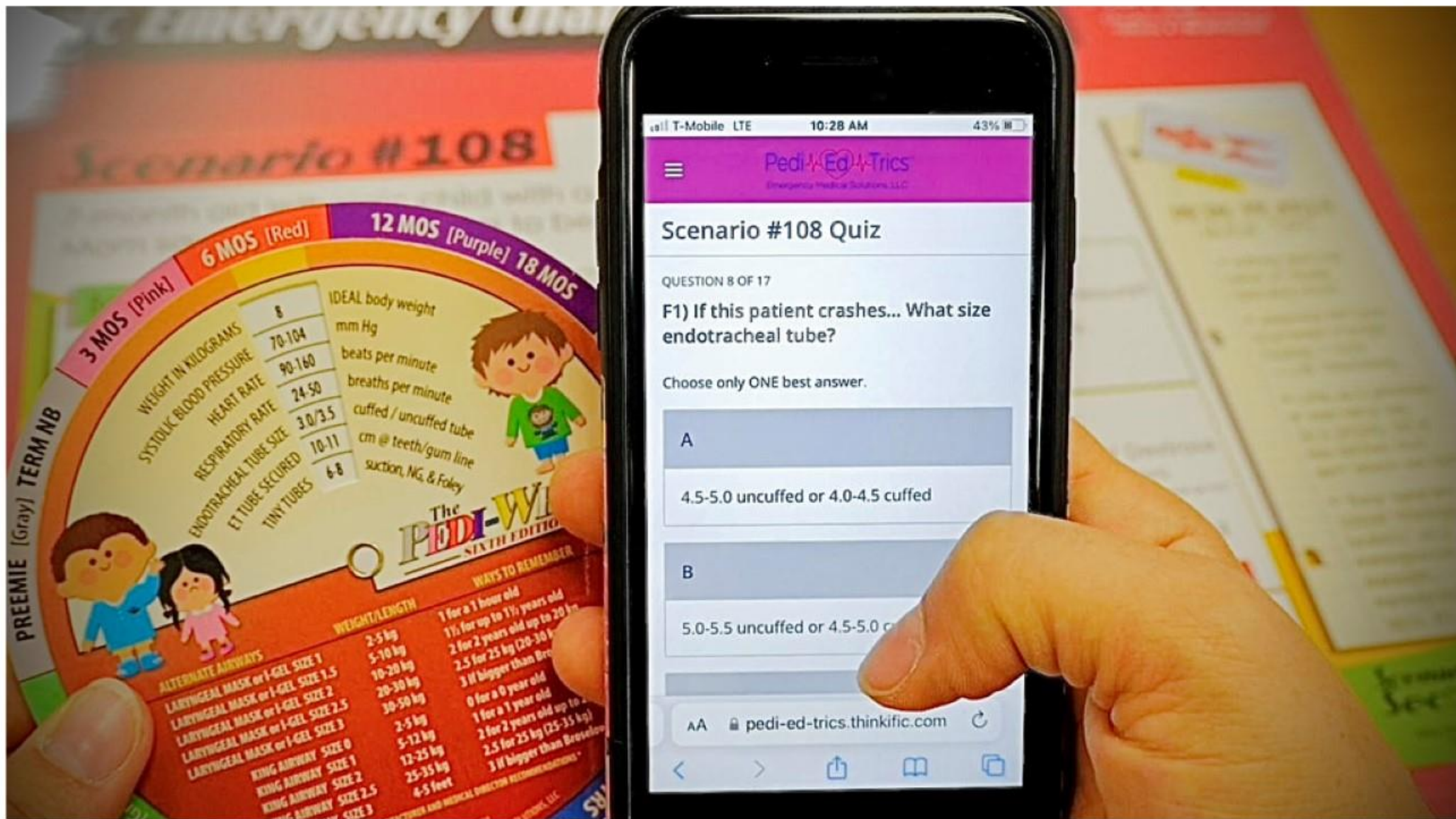
Your Completion Time: _____

Answer Sheets may be duplicated or printed at www.PediEd.com/scenariosanswerkeys

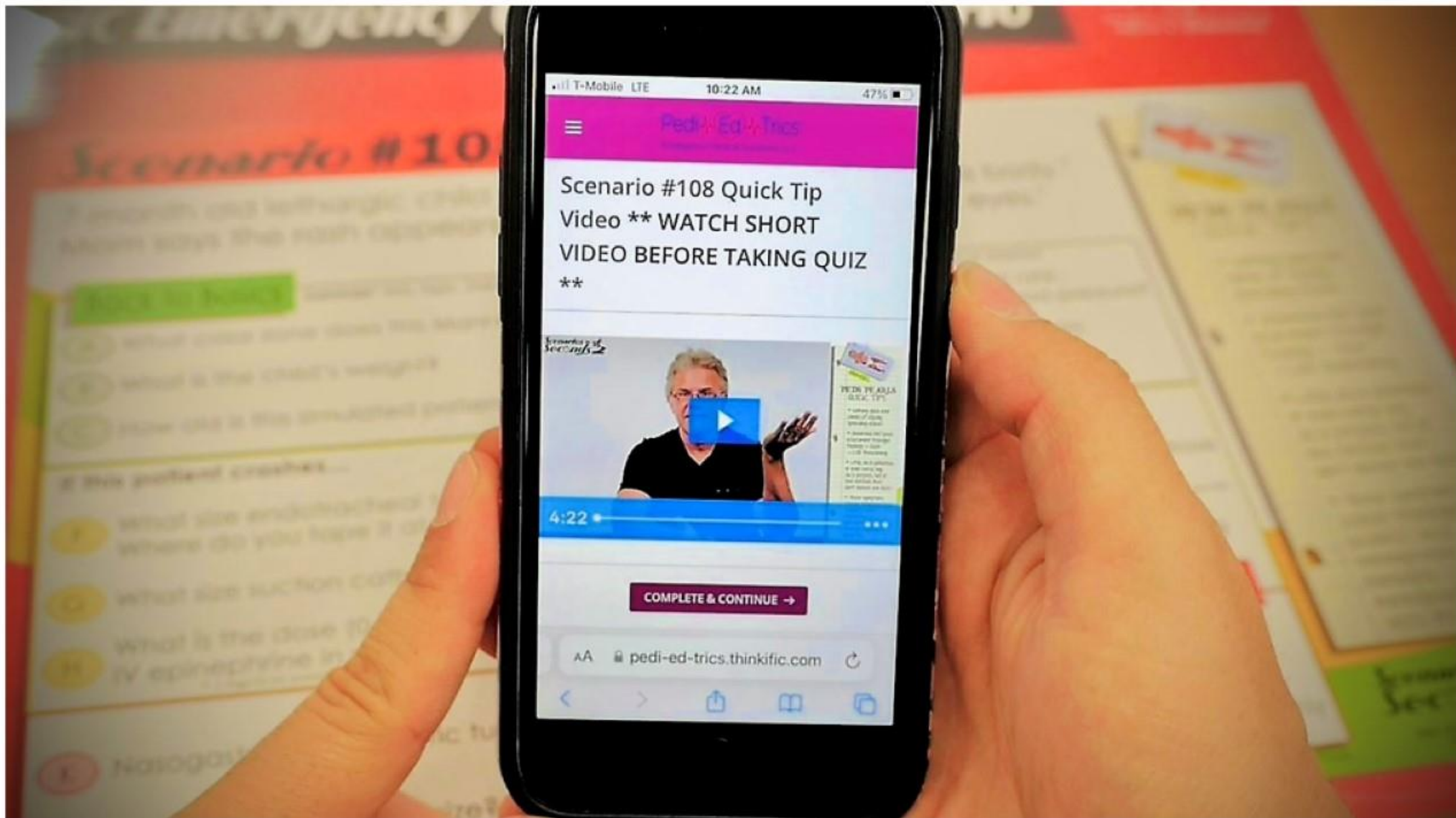
Single and triple scenario answer sheets if you prefer paper to the online component for your students.



Scan scenario QR code to gain access to the online component, where students can read the scenario, watch the short quick tip video, and take the quiz. Once they have completed all the scenario quizzes they will receive 27 credit hours that are approved for nurses, medics and RTs!



The 108 scenario specific quizzes are graded in real time and answers are saved and recorded. Students must receive a 80% or greater to pass and obtain credit hours.



Each of the 108 2-5 minute quick tip videos are taught by pediatric nurse expert Scott DeBoer. He shares his over 30 years of peds experience with students so they can be as prepared as possible for their future peds patients.



How everything fits back in the bag!

The background of the slide is a blurred image of a hospital room. In the upper portion, a hospital bed with white linens and medical equipment is visible. In the lower portion, a wooden table holds various medical supplies, including a red and white 'Pediatric Ed & Tricks' book, a digital scale displaying '0.430', and other medical charts and papers.

Scenarios In Seconds

How To Set Up One Scenario



All you need is an empty table or bed



Put out one Mani-Kid/patient for the scenario



Add additional moulage if called for by the scenario



Scenario #43

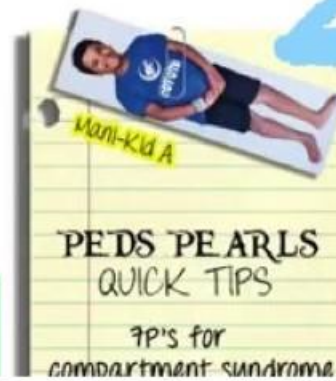
9-year old with a crush injury to his left lower leg. He is no longer entrapped, but is complaining of severe pain with weak pedal pulses.

Back to Basics

Reminder: Peds tapes, cheat sheets, and apps have most, but may not have all of the answers, so be prepared!

A What color zone does this Mani-Kid fall into?

D What is the normal heart rate, respirations, & systolic blood pressure?



Match Mani-Kid with scenario card

If this patient crashes

Advanced

• pallor



Put out the selected scenario, and slip into protective frame



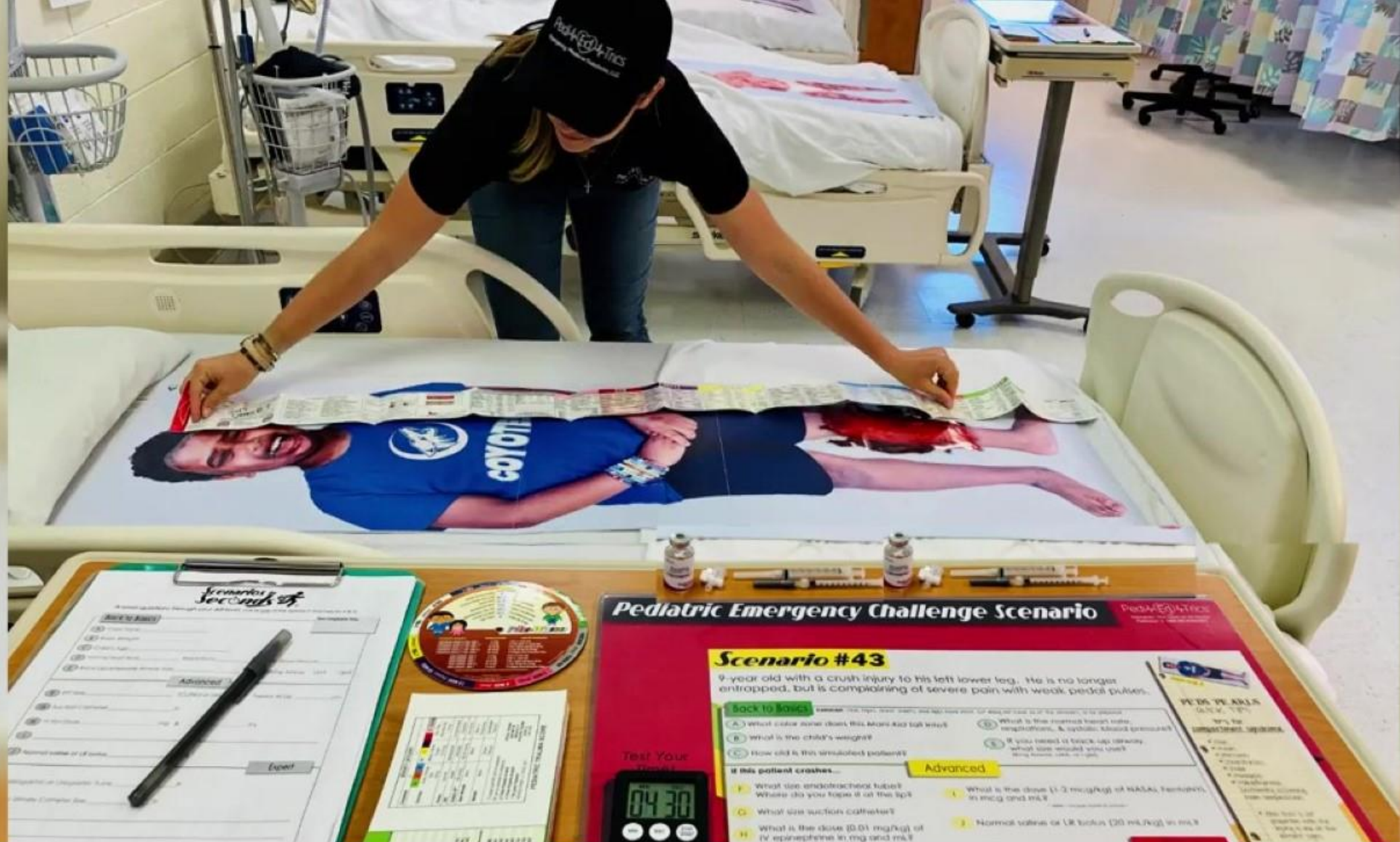
Put out a Pedi-Wheel and a Broselow tape (also works with Handtevy)



Put out an answer sheet, or let your students log in and run the scenario on their phone.



Put out the practice medication vials for the expert section of the scenario so students can actually pull up the meds.



And that's it! Students are now ready to begin building their emergency pediatric skills.



Critical Calculations & Color Coding Kids

The All In One, Hands-On
Pediatric Emergency
Training System!

Learn More

