



Fireside Chat Pain Assessment

April 2, 2024

Acknowledgments

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Thank you for joining!



Session is being recorded and posted online along with slides



Utilize the Q&A feature to ask questions



Place your name in the chat for nursing credit



Discussion will follow presentation

Objectives

After participating in this session, attendees will be able to:

- Describe how these measures impact a site's pediatric readiness
- Be familiar with how to assess and reassess pain in pediatric patients
- Bookmark resources that are available to you as you embark on your QI Journey

Speakers

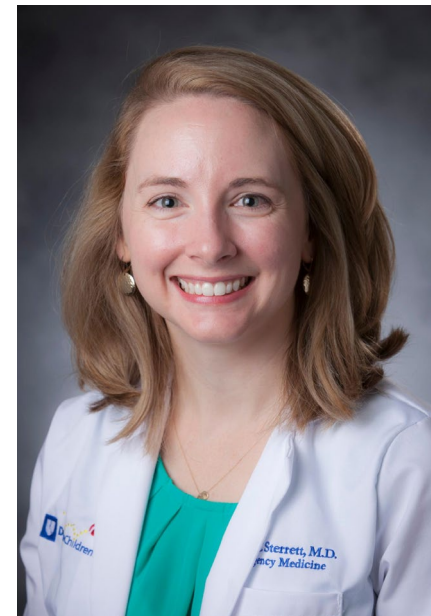
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Understanding Pediatric Pain

- Pediatric pain is underrecognized
- Children are less likely to report or describe pain
- Anxiety and situational distress can be difficult to separate from pain



Burden of Pediatric Pain

- Pain is the #1 reason children seek emergency care
- Nearly 80% of pediatric ED patient visits are related to pain
- Children receive less pain medication than adults



Opportunities for Improvement

Children seen in General EDs are:

- Less likely to have pain assessed
- Less likely to receive pain medication
- Less likely to receive timely pain medication



PRQC Participants

- 35 sites have indicated that they are focusing on pain
- Sites working on:
 - Implement protocol- ensuring timely and appropriate pain management
 - Increase documentation of pain assessment
 - Perform developmentally appropriate pain assessment
 - Improve reassessment of pain after intervention
 - Decrease time to pain medication administration by obtaining pain score in triage

NPRQI Assessment- Pain Quality Measure

**% of pediatric patients with
pain assessed**

National Average 78.4%

Low: <1,800 pediatric patients

82.5%

Medium: 1,800 - 4,999 pediatric patients

77.7%

**Medium to High: 5,000 - 9,999 pediatric
patients**

67.9%

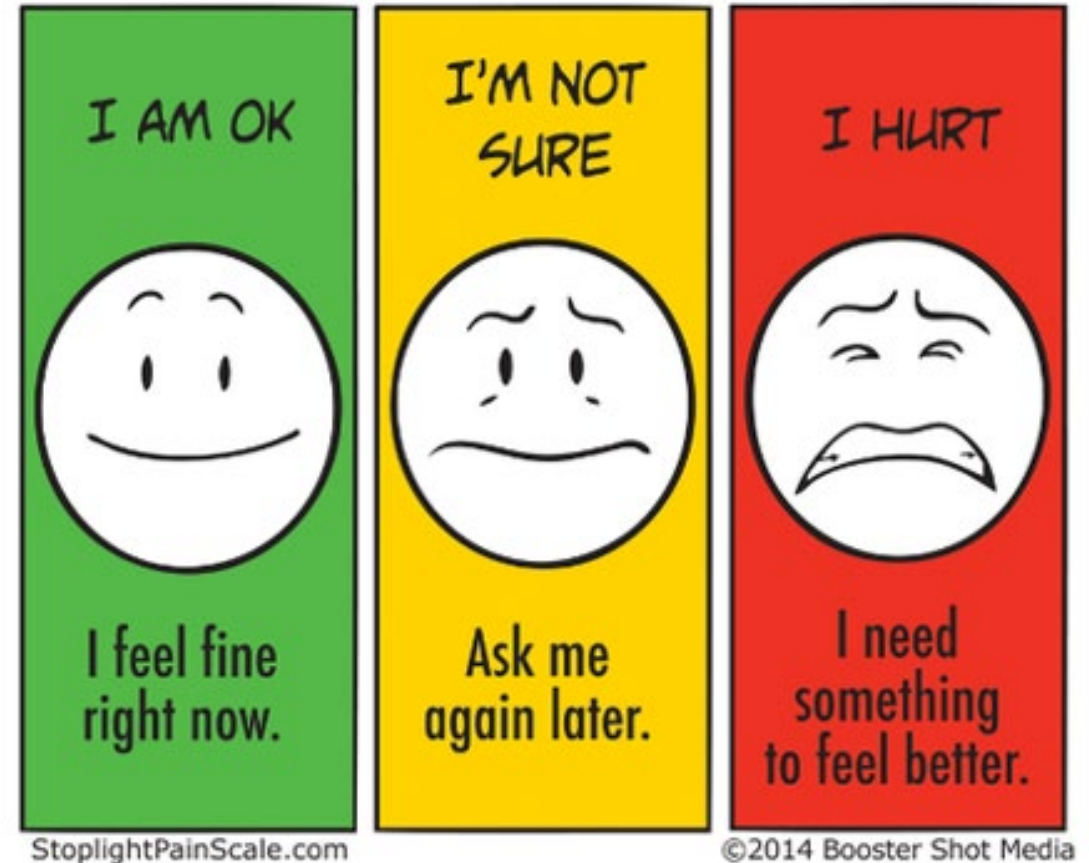
High: >= 10,000 pediatric patients

83.8%



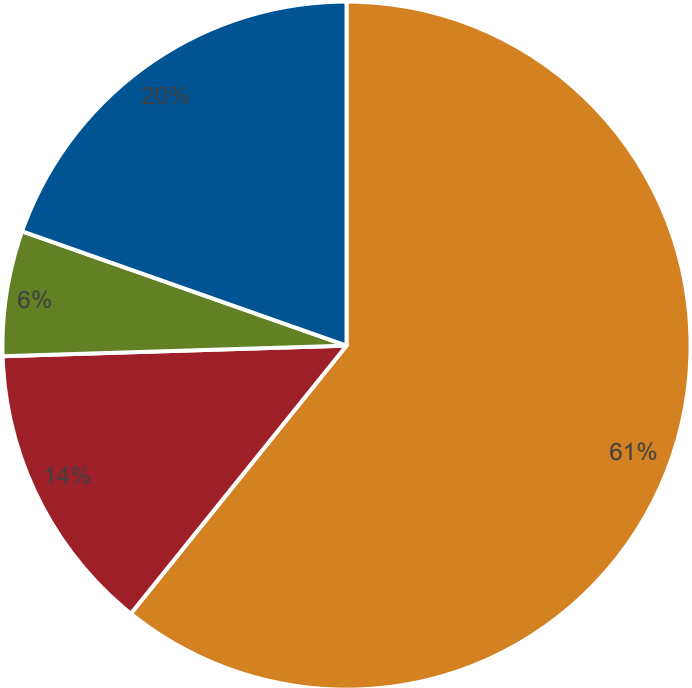
Assessing Pain

- Diagnostic indicator
 - Guide the patient evaluation
 - Optimize diagnostic accuracy
- Symptom assessment
 - Awareness
 - Treatment decisions
 - Re-assessment after interventions



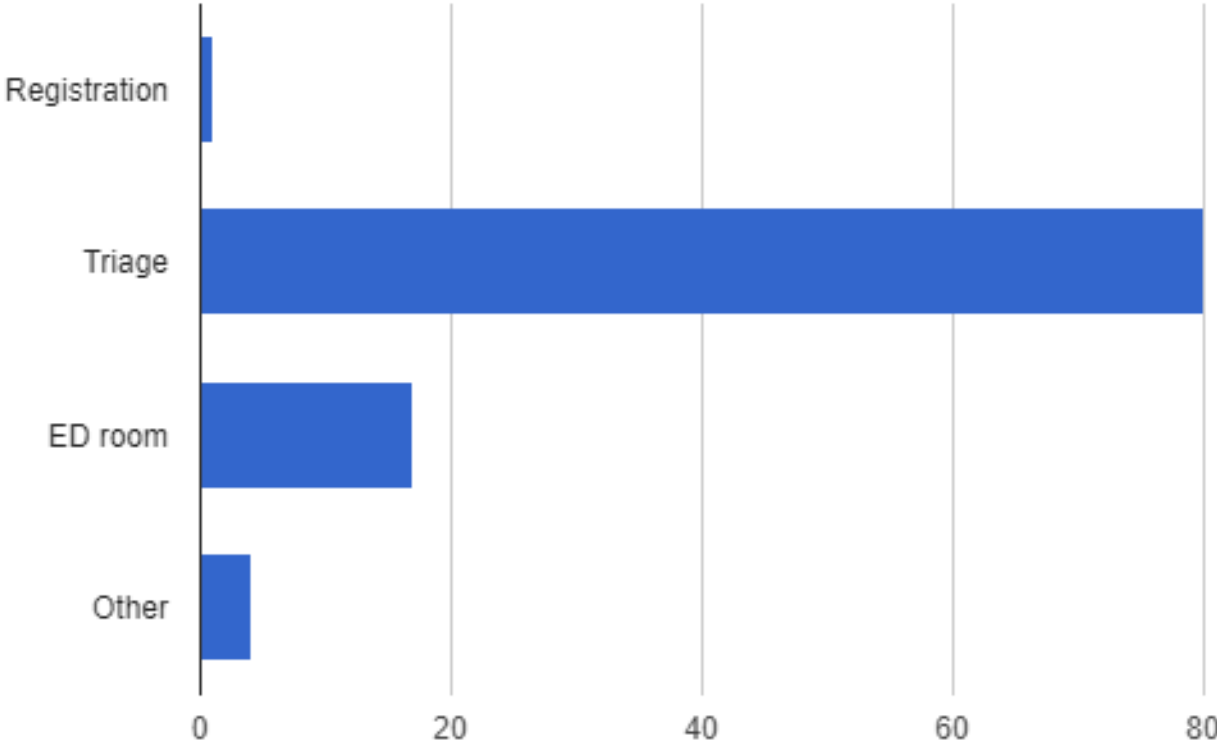
Environmental Scan Results

Is pain assessed on all pediatric patients prior to discharge?



Yes No Unsure Only in Certain Situations

Where was pain assessed?



Pain Assessment Tools

FLACC-R Score

Assessing Children's Pain

r-FLACC (revised FLACC) Pain Rating Scale for children with developmental disability.

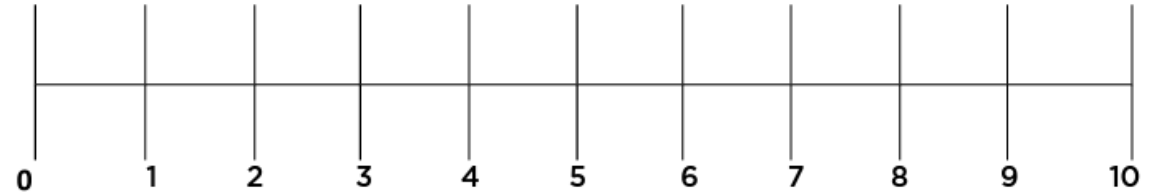


	0	1	2
Face	No expression or smile	Occasional grimace or frown, withdrawn, disinterested; appears sad or worried	Frequent to constant frown, clenched jaw, quivering chin; <i>distressed looking face</i> ; <i>expression of fright or panic</i> <i>Individualised behaviour described by family:</i>
Legs	Normal position or relaxed; usual muscle tone and motion to arms and legs	Uneasy, restless, tense; occasional tremors	Kicking, or legs drawn up; <i>marked increase in spasticity</i> ; <i>constant tremors or jerking</i> <i>Individualised behaviour described by family:</i>
Activity	Lying quietly, normal position, moves easily; regular rhythmic breaths (respiration)	Squirming, shifting back and forth, tense or guarded movements; mildly agitated (head back and forth, aggression); shallow, splinting breaths (respirations); occasional sighs	Arches, rigid, or jerking; <i>severe agitation</i> ; <i>head banging</i> ; <i>shivering (not rigors)</i> ; <i>breath holding</i> , <i>gasping</i> , or <i>sharp intake of breaths</i> ; <i>severe splinting</i> <i>Individualised behaviour described by family:</i>
Cry	No cry (awake or asleep)	Moans or whimpers, occasional complaint; occasional verbal outburst or grunt	Crying steadily, screams or sobs, frequent complaints; <i>repeated outbursts</i> ; <i>constant grunting</i> <i>Individualised behaviour described by family:</i>
Consolability	Content, relaxed	Reassured by occasional touching, hugging, or "talking to"; Can be distracted	Difficult to console or comfort; <i>pushing away caregiver</i> ; <i>resisting care or comfort measures</i> <i>Individualised behaviour described by family:</i>

Faces Pain Scale-Revised



Verbal Numerical Rating Score



No pain

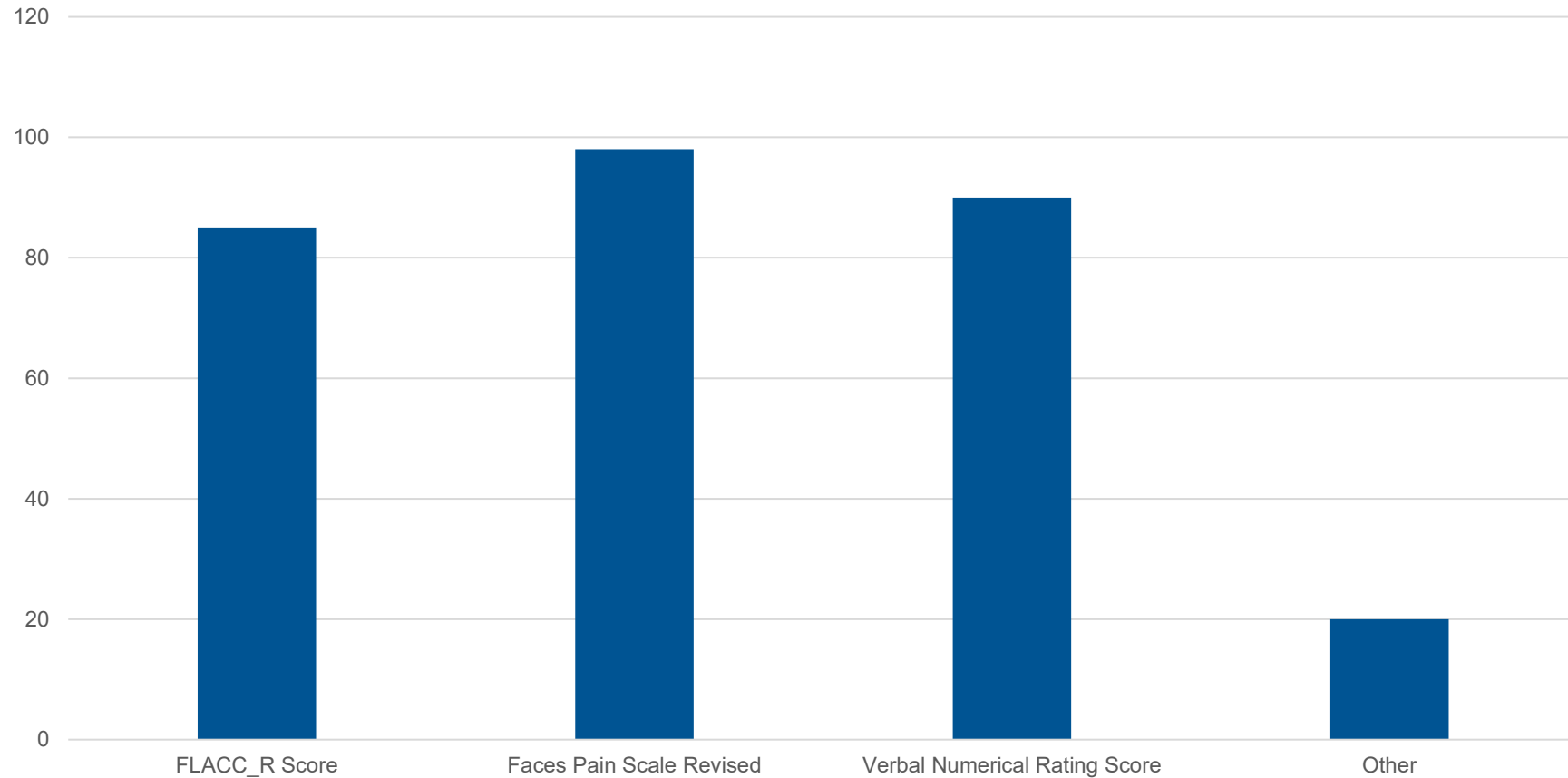
Worst pain

Voepel-Lewis Analg 2002
Hicks Pain 2001
Tsze Ann Emerg 2018



Environmental Scan Results

What is the validated tool being used in your ED to assess pain?



PEAK Pain Management

Pediatric Education and Advocacy Kit (PEAK): Pain



The majority of emergency department visits are related to pain. Untreated pain has short-term (pain and distress for the child, caregivers, and healthcare providers; prolonged procedure time; slower healing) and long-term consequences (increased sensitivity to pain; avoidance of healthcare settings; needle phobia, higher levels of anxiety before a procedure). Timely and effective multi-modal pain care improves procedure success rates, prevents the need for repeated attempts, improves patient flow, and improves patient and caregiver satisfaction. Repeated pain measures and consideration of each family's unique situation, level of distress, and life experience can help guide appropriate therapy. PEAK: Pain was developed to provide resources for prehospital practitioners, hospital-based care providers, patients, and families to assess and manage pain in the pediatric patient.

Last updated: July 2022

2 Resources

PAMI®: Virtual Reality for Pain Management

[Details](#)



Video

SKIP: Mom Hack: What You Can Do When Kids Are Afraid of Needles

2 minutes

[Details](#)



Infographic

SKIP: Psychological Therapies & Headache Pain

2 minutes

[Details](#)



Video

SKIP: Needle Pain & Phobia. How to Avoid Fear of Needles & Vaccines by Andrea Furlan, MD, PhD

9 minutes

[Details](#)



Pain Treatment

Mild Pain (e.g., 1-3 out of 10)		
Drug	Dose	Comments/Cautions
ibuprofen PO	10 mg/kg/dose q6h PRN (MAX 600 mg/dose)	For children ≥6 months, first-line option for musculoskeletal injuries and most other painful inflammatory conditions.
acetaminophen PO	15 mg/kg/dose q4h PRN (MAX 1000 mg/dose)	Do not exceed 75 mg/kg/day or 4 g/day (whichever is less).
Moderate Pain (e.g., 4-6 out of 10) Always start with non-opioid medications above, layer on opioid medications below as needed.		
morphine PO	0.2-0.5 mg/kg/dose q3-4h PRN (MAX 15 mg/dose)	Most common pediatric opioid. Lack of demonstrated efficacy for musculoskeletal pain. For initial pain management, second dose may be given sooner than 3 hrs.
HYDROMORPHONE PO	0.03-0.06 mg/kg/dose q3-4h PRN (MAX 1-2 mg/dose)	Higher risk of dosing errors. Do not use if <6 months or <10 kg.
oxyCODONE PO	0.1-0.2 mg/kg/dose q4-6h PRN (MAX 5-10 mg/dose)	Risk of QT interval prolongation. Tablets must be swallowed whole.
If not responding to PO opioid, consider lower dose IV/Intranasal opioid (see Severe Pain below).		
Severe Pain (e.g., 7-10 out of 10)		
fentaNYL Intranasal	1.5 mcg/kg/dose (MAX 100 mcg/dose). May repeat 0.5-1 mcg/kg/dose (MAX 50 mcg/dose) 10 min after 1st dose if needed. Divide dose between nostrils (MAX 1 mL/nostril)	Provides rapid pain reduction. Provides early pain relief if IV access is not yet established. Give via mucosal atomization device for enhanced absorption. Monitor level of consciousness, vital signs, and pain score prior to therapy and at 10 min post administration.
fentaNYL IV	1 mcg/kg/dose q1-2h PRN (MAX 50 mcg/dose)	DO NOT push medication to avoid rigid chest. For initial pain management, second dose may be given sooner than 1 hr. Monitor level of consciousness, vital signs, and pain score prior to therapy and q10 min post administration (for MIN 30 min). Some institutions recommend continuous O ₂ sat monitoring for 30 min post administration.
morphine IV	0.05-0.1 mg/kg/dose q2-4h PRN (MAX 4-8 mg/dose)	For initial pain management, second dose may be given sooner than 2 hrs. Monitoring as per fentaNYL IV above.
ALWAYS ADD PO OR IV NSAID FOR OPIOID-SPARING EFFECT if the pain is expected to require multiple opioid doses.		
ibuprofen PO	Dosing as for Mild Pain section above	
ketorolac IV	0.5 mg/kg/dose q6h PRN (MAX 30 mg/dose, 15 mg/dose for subsequent)	Avoid IV ketorolac if ibuprofen or NSAIDs were given less than 6 hours before.

COUNSELING CAREGIVERS WHO ARE HESITANT ABOUT ANALGESIC USE

1. Our goal today is to keep your child comfortable while we figure out what is going on; they do not need to remain in pain while we diagnose and treat them.
2. Treating pain does not make a child weak. Untreated pain, however, can have long-term consequences for the way your child experiences future pain or medical encounters.
3. We will first use maximum doses of non-opioid medications, NSAIDs are equivalent to morphine with fewer side effects.
4. Provide education that the worst pain after a musculoskeletal injury occurs in the first 3 days, use adjuncts (e.g., immobilization and ice).
5. There is no clinical evidence that using NSAIDs affects bone healing in children.

For a full list of references and development team members, please see the following page.

The purpose of this document is to provide healthcare professionals with key facts and recommendations for treating pain in children. Healthcare professionals should continue to use their own judgment and take into consideration context, resources and other relevant factors. The TREKK Network and EIMC are not liable for any damages, claims, liabilities, costs or obligations arising from the use of this document including loss or damages arising from any claims made by a third party. The TREKK Network and EIMC also assumes no responsibility or liability for changes made to this document without its consent.



EMSC
Quality Improvement
Collaboratives



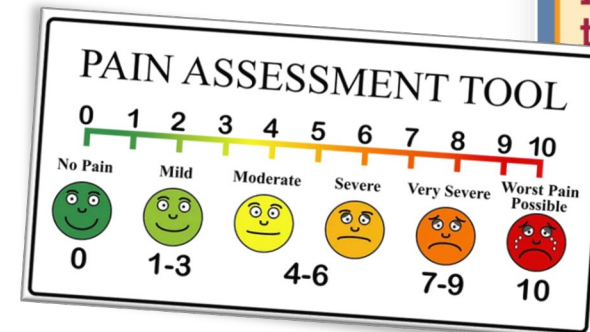
Change Strategies From PRQC Participants

- **Staff training sessions**
- **1:1 follow ups & feedback**
- Break room flyers
- Posters in triage with pain scales
- Education during shift huddles
- Updated EMR to have a "hard stop" for pain assessment & vitals re-assessment
- Stoplight pain scale in the EMR



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Let's work together to relieve your pain.

There are many different types of pain. Pain can be caused by injury, illness, sickness, disease or surgery. Managing your pain is our responsibility, but you can help by speaking up, asking questions, and finding out more about how to relieve your pain.

Let us know when you are in pain and what it feels like. Tell us how bad your pain is by using numbers — 0 means "no pain" and 10 means "the worst pain".

Let us know what makes your pain change or get worse.

After your pain is evaluated, we can discuss treatments, such as pain medication or alternative treatments such as physical therapy, heat, ice, relaxation and other therapies. These methods may help you manage your pain without pain medications.

5. Are you afraid that you'll become addicted to pain medicine? Studies show that addiction is unlikely. Let's talk about your fears.
6. If you have a side effect or reaction to your pain medication, let us know immediately. We can discuss options to treat the side effect, or maybe there is another pain medicine that will work better for you.

It's OK to Ask About Your Pain



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Q&A Session



Addressing Barriers



April 16, 2023

Join us for Future Sessions

Nursing - CE contact hours

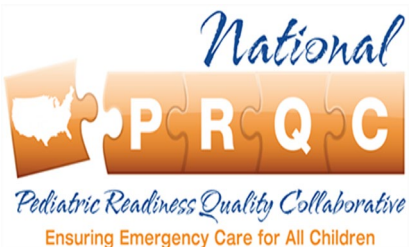
Fireside Chat #10 April 2, 2024

1. Enter your first and last name in the **chat** if you have not done so already
2. Scan the QR code/use link to access session evaluation
3. Submit completed evaluation by 1700 (Pacific) on 4/4/2024 to be eligible for CE hours



<https://bit.ly/PRQCFireside10>

If you have any questions, please contact Robin Goodman at
robin.goodmann@gmail.com



BRN CE Provider: Pediatric Liaison Nurses Los Angeles County. Provider approved by the California Board of Registered Nursing, Provider # 15456, for 1 Contact Hours

Please Complete Session Evaluation

Thank you!

