Pain Management Related to IM Injections of Ceftriaxone in the Pediatric Patient

***IDENTIFICATION***:

Ceftriaxone is an antibiotic frequently administered to pediatric patients, ages 0-17 years old. Intramuscular administration of Ceftriaxone can be very painful. While Ceftriaxone mixed with lidocaine can greatly decrease the pain associated with injection, there are risks involved.

**Does the benefit of administering Ceftriaxone with lidocaine in an IM injection outweigh the risks for the pediatric population?**

Our practice issue was identified using the PICO question development format.

***PROCESS***:

We used the Johns Hopkins Nursing Evidence-Based Practice Model and Guidelines. We completed a summative review on current journal articles related to our PICO question. We also completed a survey of pediatric ED in the surrounding area.

***SOLUTION***:

In solution, we developed a standard order set for the administration of IM Ceftriaxone and lidocaine. We worked with Pharmacy to create a separate draw in the accudose machine to contain the needed medications for this order. We are in the process of implementing the order set on the Pediatric ED unit now. Our order set form has just been approved by the forms committee. We are working with employee education to sign off all nurses on the skill of mixing Ceftriaxone/Buffered lidocaine. We are teamed with pharmacy to create the specialized kit in the accudose. We plan to have implementation completed by the end on February.

***OUTCOMES***:

We plan to obtain follow up data by chart audits and phone calls to parents after discharge.