# Physician Education Express

Physician/Nurse Education - Inpatient Order Entry for All IV and PO Fluoroquinolones



**Audience:** Physicians, Residents, Nurse Practitioners, Physician Assistants, and Nurses Education Level-Yellow

August 18th, 2020

#### **Backgroud/Rationale:**

- Published literature supports the requirement of clinical indication at time of order entry to increase appropriate antimicrobial use.
- Indication at time of order entry is also recommended by the National Quality Partners (NPQ) and CDC.
- The FDA recommends reserving the use of fluoroquinolones for specific indications "...when patients have no alternative treatment options because of the risk of disabling and potentially serious adverse reactions (Eg, tendinitis and tendon rupture, peripheral neuropathy, CNS effects)".
- ID Clinical Council endorses required indications for fluoroquinolone antibiotics to prompt provider and clinician assessment of antibiotic appropriateness.

# Which Antibiotics Are Indications Required for?

- CIPRofloxacin (IV/PO)
- LEVofloxacin (IV/PO)
- MOXifloxacin (IV/PO)

# What If the Indication I am looking for Isn't Listed?

- If your indication is not listed, that means that indication is not endorsed for fluoroquinolone use at IU Health. Consult your ID resources for antimicrobial alternatives.
- 2. If no alternatives exist select "Other" from the dropdown, and write indication in the comments field
  - Example: MOXifloxacin "Other" -Stenotrophomonas maltophilia

### Will an Indication be Defaulted in Current PowerPlans?

 Yes, when possible the indication corresponding to the order in current PowerPlans will be pre-populated.

# Which Indication Options are Available to Choose from?

Antibiotics	Indication
CIPRofloxacin	Prophylaxis
	CF exacerbation
	Bone/joint
	Pseudomonas requiring Oral
	Treatment
	Severe PCN/cephalosporin
	allergy
	Febrile neutropenia (LOW-
	RISK)
	Infectious diarrhea
	Other (Please specify in
	comments)
LEVofloxacin	Pneumonia in Child < 40 kg
	Other (Please specify in
	comments)
MOXifloxacin	Pneumonia
	Severe PCN/cephalosporin allergy
	Other (Please specify in
	comments)

### **Highlights**

IU Health
System Go-Live:
August 18<sup>th</sup>,
2020

# Indications required for:

- CIPRofloxacin (IV/PO)
- LEVofloxacin (IV/PO)
- MOXifloxacin (IV/PO

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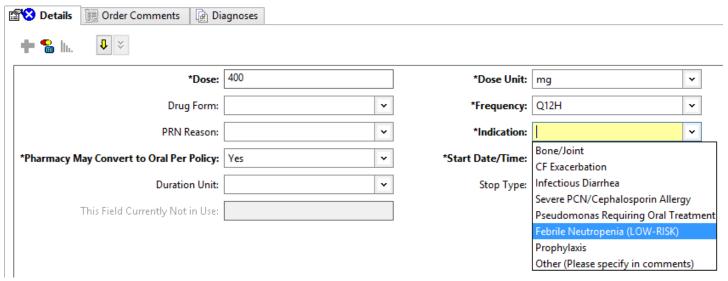
# For further information:

Contact the National Quality Partners (NPQ) and CDC.

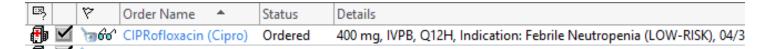
### Example:

#### PowerChart Order Entry

### ▼ Details for CIPRofloxacin (Cipro)



#### PowerChart Active Orders



#### **MAR Summary**



#### **Future Direction:**

This feature will be expanded to other antimicrobial agents over time pending the clinical success of this initiative