**Antibiotics are not Harmless… Here is Why!**

Did you know?

* 1 in 5 emergency room visits for adverse drug events (ADEs) are from antibiotics.
* Antibiotics are the most common cause of ADEs in children
* Antibiotics account for 7 out of 15 of the most common drugs leading to ER visits for ADEs

ADEs can include:

* GI: Antibiotic associated diarrhea (including C. diff)
* Cardiac: QT interactions (clarithromycin & fluoroquinolones)
* CNS: Dizziness, headache, sleep disturbance, seizure, encephalopathy
* Renal: Hyperkalemia (cotrimoxazole)
* Skin: minor/major (e.g. cotrimoxazole), increased risk of secondary fungal infection
* MSK: Tendon rupture (fluoroquinolones)

Other harms include:

* Drug interactions (warfarin, statins/macrolides)
* Increased risk of an untreatable infection in the patient due to increased bacterial resistance