





Preventing Complications of High Dose Steroids for Patients at the Orlando VA Healthcare System

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Problem Statement

- High-dose steroids are the mainstay of therapy for a wide variety of conditions, but have several risks and side effects.
- Prophylaxis can be used to prevent severe complications including PCP pneumonia, GI bleeds, or fractures.

Background:

- Guidelines exist from a multitude of specialties regarding prophylaxis of steroidinduced adverse events for patients on prolonged high-dose steroid therapy
- However, there is a paucity of data regarding the practice patterns among providers who prescribe prolonged high-dose steroids.



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Current Condition

- Retrospective chart review among all patients prescribed high dose prednisone from January to December 2022 in the Orlando Veteran Affairs (VA) Healthcare System (prednisone > 20mg daily through a 30 day duration or dose equivalent)
- PCP prophylaxis criteria: Prednisone or dose equivalent of > 20mg with other immunosuppressives or > 30 mg a day for > 30 days
- PPI prophylaxis criteria: patients with previous peptic ulcer disease, heavy smoking, heavy alcohol use, patients > 65 years of age, and patients taking other medications that may increase the risk of PUD
- Bone prophylaxis criteria: Prednisone or dose equivalent of > 30mg for > 30 days

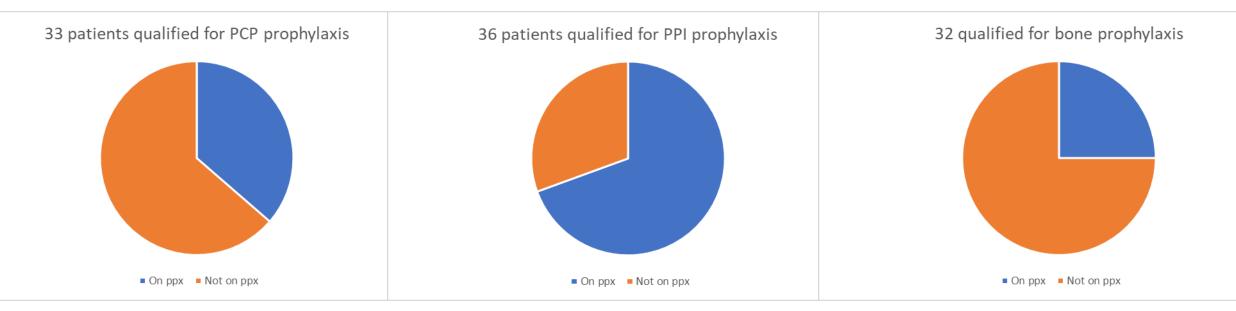






Current Condition

 50 patients met inclusion criteria (prescribed prednisone > 20mg daily through a 30 day duration or dose equivalent)



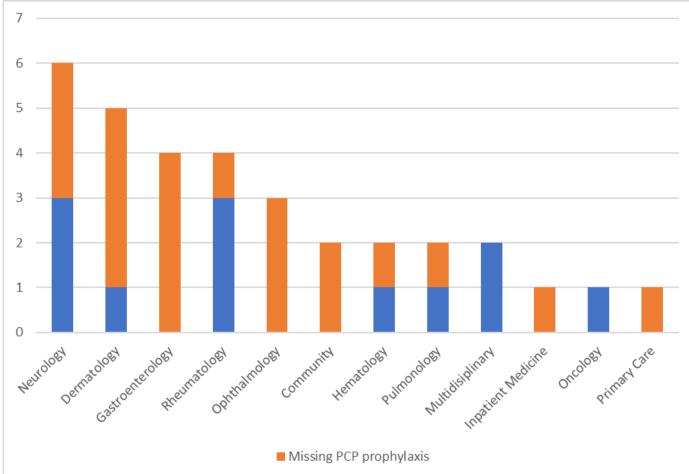


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Prescribing Provider Service: PCP Prophylaxis





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PCP Cases 2019-2022 at Orlando VAHCS

- 15 PCP cases identified between 2019 to 2022
- 5 cases were prescribed high dose steroids, however these were all by a provider outside the VA
- Among these cases, 2 required hospital admission for PCP and were discharged
- 3 expired: 1 multifactorial respiratory issues, 2 colonization and cancer



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Suppliers	Inputs	Process	Outputs	Customers
Provider	High-dose steroid prescription		Appropriate prophylaxis is given to eligible patients.	Veteran
Pharmacy				
hig st	eed for h dose eroid scription	Individualized plan is created based on patient's conditions	Prophylaxis is prescribed	of se Is tion



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Target Condition/AIM Statement

 Increase the % of patients on appropriate PCP prophylaxis* from 36% to 50% by 1/1/24.

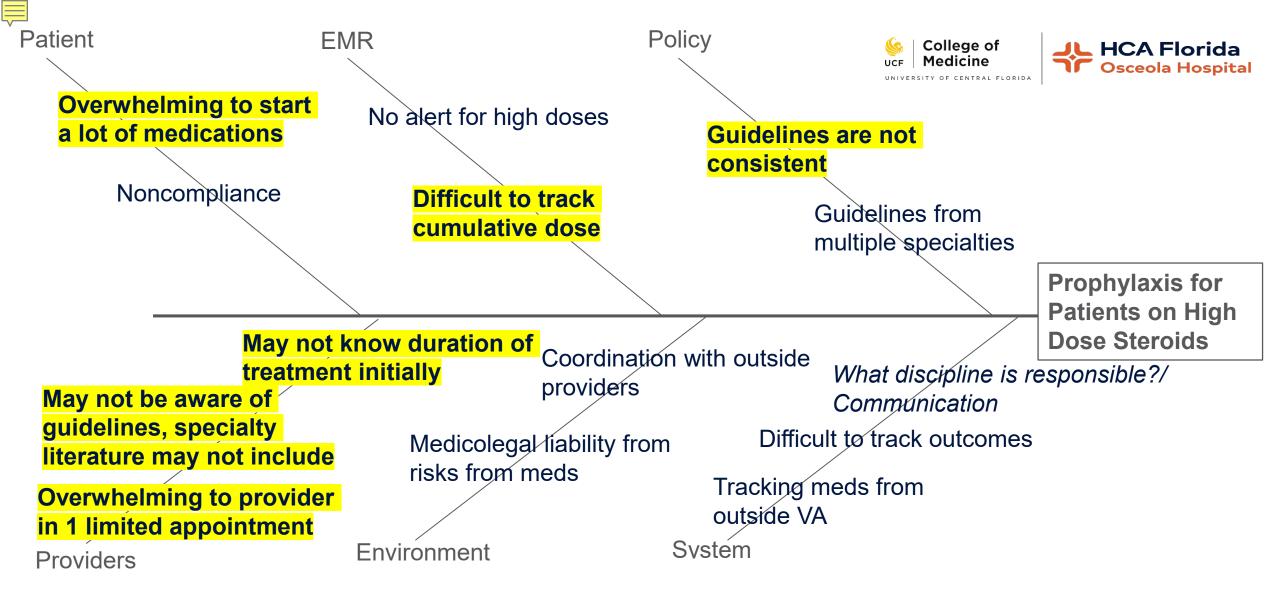
<u>*PCP prophylaxis criteria:</u>

Prednisone or dose equivalent of > 20mg with other immunosuppressives or > 30 mg a day for > 30 days



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Follow up / Next steps

- Interview Stakeholders: Spoke with Dermatology, Rheumatology, Pharmacy
- Need to Speak with: Neurology, Gastroenterology, Ophthalmology
- Once we speak with stakeholders, will strategize a process to close knowledge gaps, identify at risk patients, improve communication between services.



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Thank you



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