

# Medication Review of Proton Pump Inhibitors (PPI) HealthSource in a FQHC: A Pilot Study Jessica Beebe, DO; Michael Dietz, DO; Isaac Navarro, DMD, MPH The Wright Center National Family Medicine Residency Program; HealthSource of Ohio

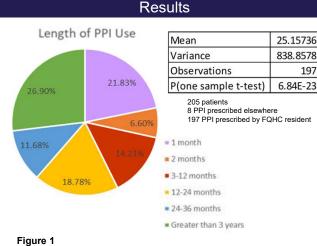


Proton pump inhibitors (PPIs) are typically prescribed to treat the physical conditions caused by a diet of greasy, fatty foods. Clinical guidelines per the American College of Gastroenterology (ACG) for introduction of PPIs for treatment of GERD is a two-month trial.

The hypothesis is that compared to a standard of practice of a course of two months of PPI treatment, patients at the FQHC have a longer course of treatment.

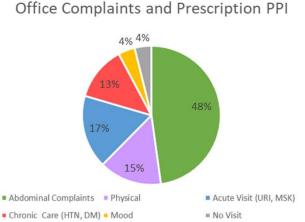
### Methods

- ≻ Retrospective chart review from 7/01/2020-12/31/2021, using the medication module in the electronic health record (EMR)
- ⊳ Setting was an FQHC in a non-urban setting
- Patients were prescribed a PPI from a resident physician ⊳
- Comparison of the number of months of PPI use in the ⊳ sample population to the recommended two-month trial
- Statistical analysis completed with a one sample t-test.



#### Amount of time that patients were prescribed a PPI

- ACG recommends a 2- month trial
- Average length of time was 25 months
- Patients are on PPIs significantly longer than recommended

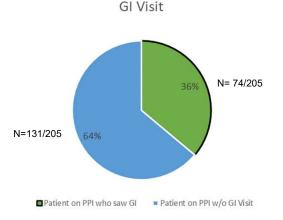


#### Figure 2

#### Initial Office Visit Chief Complaint when PPI was prescribed

- Patients often have only an initial consult visit regarding abdominal complaints

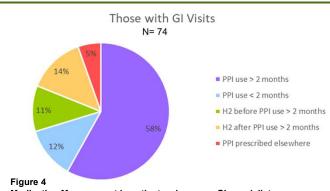
- 50% of the time patients are seeing a physician for another complaint, but are still prescribed a PPI



#### Figure 3

#### Percent of patients who followed up with the GI specialist

- After a failed 2-month trial of a PPI, per recommendations, patients should have further imaging
- Only 36% of the patients followed up with GI



of Ohio

#### Medication Management in patients who saw a GI specialist

- These patients were more likely to engage in PPI tapers/ trial additional medicines (H2 blockers)

## **Discussion/ Conclusions**

- · There is no standard operating procedure (SOP) in the FQHC studied regarding PPI use: lengths are variable [Figure 1]; many patients combine their abdominal complaints alongside another chief complaint [Figure 2]; and there is low specialist follow up [Figure 3]
- · Social determinants of health have a major impact on people's health, wellbeing, and quality of life, and can contribute these findings
- · This data shows that there is an opportunity for quality improvement to enhance patient care regarding PPI use
- For the 64% of patients who have not seen a specialist [Figure 3], some may simply have reflux hypersensitivity and could benefit from behavioral changes.
- · Goals moving forward include discussing positive lifestyle changes at more frequent intervals to encourage less need of continued chronic acid suppression.
- · Developing a SOP for patients with GERD, may help clinicians establish a consistent monitoring and treatment plan, including improving GI follow up rates (if specialist care is required)
- 1. 24-hour pH monitoring is recommended in patients refractory to PPI therapy OR when the diagnosis is in question (SOR: C)
- 2. Obtain upper endoscopy in patients with alarm symptoms or those at high risk for complications (SOR: B)
- 3. Reviewing and keeping chart records up to date prior to refilling medications

### References

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