

Improving Dyspepsia Management in A Primary Care Clinic DONALD AND BARBARA **ZUCKER SCHOOL** of **MEDICINE AT HOFSTRA/NORTHWELL®**

Background:

- \succ We encounter patients in the outpatient clinic who are chronically taking PPIs which are listed as the 7th most frequently prescribed medication in the US.
- > In 2019, together, omeprazole and pantoprazole were prescribed 81,426,858 times for 19,647,280 patients.
- \succ Dyspepsia is defined by one or more of the following: postprandial fullness, early satiety or epigastric pain, or burning.
- \succ Approximately 25% of patients with dyspepsia have an underlying organic disease on diagnostic evaluation (EGD vs H. pylori testing), while 75% have idiopathic (functional or non-ulcer) dyspepsia.
- > We proposed that many patients who are on PPIs have active dyspepsia symptoms and their management is not consistent with current evidenced-based guidelines.

Methods

- \succ We distributed a questionnaire to patients who were seen in a primary care clinic between December 2021 and March 2022 and who had a PPI listed as an active medication.
- \succ All participants were >/= 18 year-old. Participants were categorized as "dyspepsia positive" or "dyspepsia negative" based on symptoms at the time of questionnaire completion.
- > Dyspepsia positive patients were further categorized as "appropriately managed" vs "inappropriately managed" based on ACG guidelines.

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Time of the day

UESTIONNAIRE – APPROPRIATE MANAGEMENT OF DYSPEPSIA IN PRIMARY CAF Patient Name uestionnaire Date:

Introduction: Dyspepsia is defined as one or more of the following symptoms: fullness and discomfor after eating, feeling full easily, upper abdominal pain and burning. Approximately 25 percent o patients with dyspepsia are found to have an underlying organic disease on diagnostic evaluation However, approximately 75 percent of patients have no known cause (functional: idiopathic or nonulcer dyspepsia).

You are receiving this questionnaire as part of a quality improvement (QI) project aiming for the appropriate management of dyspepsia in primary care. Your information will be kept secured according to HIPPA regulations. If you choose to participate in this QI project, one of the resident physicians will contact you at a number and time convenient for you

SECTION A. TO BE COMPLETED BY PATIEN

- 1. Do you have any of the following problems? \Box Yes \Box No
- An unpleasant sensation such as prolonged persistence of food in the stomach You are unable to eat a full meal, or you feel full after eating only a small amount of food
- Pain or discomfort right below your ribs in the area of your upper abdomen Burning right below your ribs in the area of your upper abdomer
- 2. How long have you had these symptoms? □ Less than 1 month
- □ 1 6 months \Box 6 months – 1 year
- □ 1 2 years
- □ 2 5 years
- □ 5 10 years More than 10 years
- 3. Have you been evaluated by a gastroenterologist in the past?
 Yes No indicate the name of your Gastroenterologis

4. Are you currently using or have used in the past one or more of the following medications? 🗆 Yes 🗆 🛛 No

Omeprazole (Prilose nsoprazole (Prevacid

Pantoprazole (Protonix

Results

- ➢ We completed 65 received participants had dyspeptic symptoms, 15 (56%) of whom were appropriately managed and 12 (44%) were inappropriately managed.
- \succ We contacted patients with inappropriately managed dyspepsia and recommended they discuss guidelinebased management with their prescribing physician

Challenges & Limitations

 \succ Having patients fill the questionnaire, we were able to overcome this challenge by preparing a weekly list of the targeted patients (PPI on their outpatient medication list) This helped us receive more filled questionnaires.

If answered Yes to question 5, How long have you been on this medication? Less than 1 month 1 - 6 months 6 months – 1 yea 1 - 2 years 2 - 5 years 5 - 10 years More than 10 years If answered Yes to question 5, Who first started you on this medication Primary Care Physician Gastroenterologist Hospital emergency departmen During hospital admission I got it myself (over the counter) Unable to recal 5. Have you been investigated for H. pylori infection (a bacterial infection of the stomach or intestinal lining)? 🗆 Yes 🔲 No 🗆 Unsure If answered Yes to Question 6, please answer the following question A. When was the test administered? c. Did you receive treatment for H. pylori?
Yes No D. Did you receive another test after completing the treatment to confirm cure from H. pylori? \Box Yes 6. Have you had upper endoscopy (a procedure during which a tube with a camera is passed from the throat down to the stomach to visualize the esophagus and stomach)? \Box Yes \Box No If answered Yes to Question 7, please answer the following questions B. Were any of the following problems identified? Upper GI Bleeding (bleeding from your esophagus, stomach, or intestine) Barrett's Esophagus (chronic damage to the lining of the esophagus) hagitis (inflammation of the esophagus) ulcer in the stomach or intestine) pylori (a bacterial infection of the lining of the stomach or intestine Please indicate the time of the day and phone number you prefer to be contacted by the O

Phone number

questionnaires. 27

Discussion

- PPIs.



> Guideline-based evaluation and management of dyspepsia may reduce the risk for gastric cancer by early detection and eradication of H. pylori infection and may lead to earlier diagnosis of Barrett's esophagus.

 \succ We identified patients from a primary care clinic with persistent dyspepsia symptoms despite current PPI usage. In a number of these patients, therapy was deemed not appropriate based on ACG guidelines.

> As providers, we must carefully evaluate patients on chronic PPI therapy for active symptoms as well as for the overall appropriateness of their therapy relative to evidence-based guidelines for the evaluation and management of dyspepsia.

> We encourage that dyspepsia management should be added to the onboarding lectures for the coming residents. Also, we encourage that, if possible, evaluation for dyspepsia to be part of the Athena EMR for those patients who are taking