

## Do you see patients with any of these symptoms?

- Dyspepsia
- Heartburn
- Nausea
- Bloating

It may be *H. pylori*,  
which affects 1 in 3 people<sup>1</sup>

## Consider the Possible Risks of *H. pylori*

It could be gastritis, GERD, or peptic ulcer disease, but it could be one of the world's most common bacterial infections: *H. pylori*.

Patients with *H. pylori* are at risk for long-term consequences such as ulcers and gastric cancer when left untreated. **Stomach cancer accounts for about 1.5% of all new cancers diagnosed in the United States each year.**<sup>1,2</sup>



Approximately  
**50%**  
of the world is  
infected<sup>3</sup>



The US has a  
**30-40%**  
prevalence<sup>2</sup>



African Americans,  
Hispanic, and  
immigrants from  
Asia, Eastern  
Europe, and  
Africa have higher  
prevalence rates  
**(~70%)**<sup>3</sup>





## Helicobacter pylori (H. pylori)

*H. pylori* is a bacterium that is found in the lining of the stomach. *H. pylori* infections are linked to several important upper gastrointestinal (GI) conditions, including **chronic gastritis, peptic ulcer disease, and gastric cancer**.<sup>3</sup>



**1 out of 3**  
people in the United States is infected with *H. pylori*



**9 out of 10**  
ulcers are caused by *H. pylori* bacteria



**Gastric Cancer**  
risk is **6 times higher** in *H. pylori* infected individuals



## Dyspepsia

Dyspepsia is the medical term that is used to describe what many people refer to as stomach pain or abdominal pain centered in the upper abdomen. A common cause of dyspepsia is an infection with *H. pylori*. **Patients with dyspepsia and no alarm symptoms should undergo initial testing and treatment for *H. pylori*.**<sup>6</sup>

### Dyspepsia Alarm Symptoms<sup>6</sup>

- Age older than 60 years with new onset dyspepsia
- Family history of upper gastrointestinal cancer
- Unintended weight loss
- Gastrointestinal bleeding
- Progressive dysphagia
- Odynophagia
- Unexplained iron-deficiency anemia
- Persistent vomiting
- Palpable mass or lymphadenopathy
- Jaundice



## Proton pump inhibitors may be masking an *H. pylori* infection

Proton pump inhibitors (PPIs) are commonly used to alleviate symptoms and discomfort in patients but may mask and prolong an *H. pylori* infection. Performing an *H. pylori* test before writing a PPI prescription can help identify *H. pylori*-positive individuals, allow treatment, and prevent chronic PPI use. **Prolonged PPI (prescription and/or OTC) usage show dramatically higher incidents of kidney disease, and even kidney failure.**<sup>6,7</sup>

**Test for *H. pylori* infection before starting PPI therapy.** AGA and ACG recommend testing for *H. pylori* before prescribing a proton pump inhibitor for patients under 60, with no alarm symptoms.<sup>3,6</sup>

### Commonly used PPIs include:

- | Nexium® (esomeprazole magnesium) | Prevacid® (lansoprazole)
- | Prilosec® (omeprazole) | Protonix® (pantoprazole sodium)
- | AcipHex® (rabeprazole sodium) | Dexilant® (dexlansoprazole)
- | Zegerid® (omeprazole/sodium bicarbonate)

## Reasons to test for *H. pylori* First:

- Ongoing unexplained stomach symptoms, uninvestigated dyspepsia
- Active ulcer(s) or a history of ulcers
- Gastric cancer or a history of gastric cancer
- Confirmation a previous *H. pylori* infection has been treated successfully
- Reduce the risks associated with untreated, long-term *H. pylori* infections
- Prevent chronic use of proton pump inhibitors (PPIs)



## *H. pylori* testing guidelines

AGA and ACG recommend a test, treat, and retest approach to confirm the eradication of *H. pylori*. Active infection tests such as 13C-urea breath tests or stool antigens are recommended rather than serology (antibody).<sup>3,6</sup>

**Serology cannot determine active infection and is not recommended**

### Recommended Approach:



**TEST** to detect the underlying cause of the symptoms



**TREAT** the patient if the infection is detected with guideline-recommended therapy



**RE-TEST** to confirm eradication at least 4 weeks after completing treatment

**Confirmatory testing is good medicine to ensure the infection has been eradicated.**<sup>6</sup> Many patients fail to adhere to antibiotic regimens and antibiotic resistance is on the rise.



Clarithromycin resistance is **30%** in the US.<sup>8</sup>



*H. pylori* eradication therapy fails in **1 out of 4** patients

For more information on *H. pylori* or to download patient education resources, visit [meridianbioscience.com/hpylori-resource-center](https://meridianbioscience.com/hpylori-resource-center)