

**EMMC Family Medicine Center – Chart Review**

Centricity Outpatient EMR search criteria: Active patients + active PPI use on medication list + date of last office visit on or after 7/1/2014

As of 12/17/2014 – 527 patients met criteria

Random selection of every fifth patient in alphabetical order

Occurrence of regimen step down due to symptom improvement noted in **red text**

Occurrence of symptom improvement noted in **orange text**

<b>Initials [Removed]</b>	<b>Age</b>	<b>Gender</b>	<b>Current PPI/ant-acid regimen</b>	<b>Diagnosis on Problem List for which PPI is indicated + status</b>	<b># Clinic visits of last 3 visits GERD discussed</b>	<b>History of GERD Management</b>
1.	30	Male	Pantoprazole 20mg daily, Ranitidine 150mg BID	Dyspepsia – deteriorated 09/2014	3/3 visits	02/2010 Ranitidine 150mg BID initiated 09/2014 PPI step up with addition of pantoprazole 20mg daily H/o rash with omeprazole – discontinued Diet education completed to reduce GERD symptoms
2.	39	Male	Pantoprazole 40mg daily	GERD – <b>improved</b> 11/2014 Barrett’s esophagus	2/3 visits	09/2000 – 06/2001 lansoprazole 30mg daily 06/2001 – 09/2003 pantoprazole 40mg daily 09/2003 – 08/2014 omeprazole 20mg BID due to patient preference Diet education completed to reduce GERD symptoms
3.	86	Female	Pantoprazole 40mg daily, Antacid (alum & mag hydroxide) 30ml q4 hrs PRN	GERD – no comment on status	1/3 visits	No record of symptoms 09/2014 initiation of PPI No record of diet education
4.	47	Female	Omeprazole 40mg daily	GERD – no comment on status	1/3 visits	01/2013 – PPI initiated as step up from famotidine 20mg daily Diet education completed to reduce GERD symptoms
5.	28	Female	Lansoprazole 30mg BID, Famotidine 20mg BID	GERD – no comment on status	<b>0/3 visits</b>	10/2006-10/2011 omeprazole 07/2011 famotidine initiated No record of diet education
6.	39	Male	Pantoprazole 40mg daily	GERD – <b>improved</b>	<b>0/3 visits</b>	05/2008 onset omeprazole 20mg BID, ranitidine 150mg BID

				06/2008		<b>04/2010 ranitidine 150mg BID discontinued</b> , PPI switched to pantoprazole Diet education/lifestyle modification completed to reduce GERD symptoms – detailed education on weight loss, avoiding alcohol, chocolate, citrus, tomato products, avoiding lying supine within 3 hours of meal, elevating head of bed Symptoms noted to improve
7.	66	Female	Omeprazole 40mg daily	GERD – <b>improved</b> 04/2013	<b>0/3 visits</b>	11/1999 – hiatal hernia <b>07/2000 – omeprazole 20mg daily discontinued due to symptom improvement</b> 01/2004 – pantoprazole 40mg daily 02/2004 – omeprazole 20mg daily, discontinued 03/2008 due to cost <b>03/2008 – ranitidine 150mg daily, discontinued</b> <b>04/2008 b/c not effective</b> 04/2008 – omeprazole 20mg daily 05/2008 – omeprazole 20mg BID
8.	51	Male	Omeprazole 20mg daily	Peptic ulcer disease – deteriorated 01/2014	1/3 visits	Ranitidine 150mg BID step up to PPI on 01/2014 Diet education
9.	42	Female	Pantoprazole 20mg daily	GERD – no comment on status	1/3 visits	Onset 03/2013 likely 2/2 NSAIDs 05/2014 ranitidine 150mg BID discontinued 08/2014 PPI initiated for use with ibuprofen
10.	63	Male	Omeprazole 20mg BID	GERD – <b>improved</b> 07/2014	<b>0/3 visits</b>	PPI initiated 02/2014 Diet education completed to reduce GERD symptoms including detailed explanation of lifestyle modifications, weight loss, avoidance of caffeine, chocolate, spicy foods, high fat content, carbonated beverages, and peppermint
11.	44	Male	Omeprazole 20mg daily	GERD – unchanged 12/2014, h/o H. pylori	1/3 visits	10/2013 ranitidine 150mg BID PPI initiated 12/2014 due to lack of symptom control on H2 antagonist Diet education completed to reduce GERD symptoms
12.	76	Male	Omeprazole 20mg daily	<b>No associated diagnosis on</b>	<b>0/3 visits</b>	04/2005 step up from famotidine 20mg BID to PPI 04/2005 esomeprazole 20mg daily discontinued due to

				<b>problem list</b>		cost, switch to omeprazole
13.	47	Female	Omeprazole 20mg BID	H. pylori gastritis – unchanged 09/2014, Abdominal bloating – unchanged 04/2014	2/3 visits	03/2000 – 08/2004 famotidine 05/2014 PPI initiated Elimination diet
14.	57	Male	Omeprazole 40mg daily	Hiatal hernia with reflux – no comment on status	<b>0/3 visits</b>	05/2010 PPI initiated
15.	35	Female	Omeprazole 40mg daily Ranitidine 150mg daily	Heartburn – deteriorated 05/2014	<b>0/3 visits</b>	11/2013 – 05/2014 pantoprazole 20mg daily Step up to omeprazole 40mg daily on 05/2014 Addition of ranitidine 150mg daily on 06/2014
16.	36	Male	Omeprazole 20mg daily	GERD – no comment on status	<b>0/3 visits</b>	02/2006 – 02/2007 lansoprazole 30mg daily 02/2007 switch to omeprazole 20mg daily
17.	61	Male	Omeprazole 10mg daily	GERD – improved 04/2007	<b>0/3 visits</b>	01/2003 – 11/2003 esomeprazole 11/2003 switch to omeprazole 10mg daily
18.	59	Male	Omeprazole 20mg daily, Ranitidine 150mg BID	GERD – unchanged 09/2014	<b>0/3 visits</b>	07/1998 – 05/1999 famotidine 20mg BID 05/1999 initiated omeprazole 20mg daily 08/2007 addition of ranitidine 150mg BID 09/2014 noted plan to discontinue ranitidine
19.	53	Female	Omeprazole 20mg BID	<b>No associated diagnosis on problem list</b>	<b>0/3 visits</b>	PPI initiated 03/2014
20.	68	Female	Pantoprazole 40mg daily	GERD – unchanged 04/2010	<b>0/3 visits</b>	08/2002 – 12/2006 esomeprazole 40mg daily <b>Step down to ranitidine 150mg BID on 03/2007 – discontinued within same month due to cost</b> <b>Step down to esomeprazole 20mg daily on 03/2007</b> 06/2007 switch to pantoprazole 40mg daily
21.	64	Female	Omeprazole 20mg	GERD –	<b>0/3 visits</b>	03/2006 – 11/2007 lansoprazole 30mg daily

			BID	deteriorated 02/2004		05/2011 omeprazole 20mg BID initiated
22.	70	Male	Omeprazole 20mg BID, Ranitidine 150mg BID	GERD – <b>improved</b> 06/2014	1/3 visits	01/2011 omeprazole 20mg BID initiated 02/2013 ranitidine 150mg BID added due to uncontrolled symptoms on PPI
23.	60	Female	Omeprazole 20mg daily	Acid reflux - <b>improved</b> 03/2013	<b>0/3 visits</b>	03/2003 – 05/2005 pantoprazole 40mg daily 05/2005 – 02/2006 esomeprazole 40mg daily 06/2006 – 10/2011 omeprazole 20mg BID <b>11/2011 – 08/2013 step down to ranitidine 150mg BID</b> <b>02/2013 initiation of omeprazole 20mg daily</b>
24.	56	Female	Omeprazole 20mg daily, Ranitidine 150mg BID	GERD – no comment on status	<b>0/3 visits</b>	01/2007 – 02/2007 pantoprazole 20mg daily 02/2007 – 07/2007 step up to pantoprazole 40mg daily <b>07/2007 – 01/2009 step down to omeprazole 20mg daily</b> 11/2007 – addition of ranitidine 150mg BID 01/2009 – 05/2009 step up to omeprazole 20mg BID <b>05/2009 step down to omeprazole 20mg daily</b>
25.	71	Female	Omeprazole 20mg daily	<b>No associated diagnosis on problem list</b>	<b>0/3 visits</b>	03/2012 – initiation of PPI
26.	50	Female	Omeprazole 20mg daily, Ranitidine 150mg BID	GERD – <b>improved</b> 05/2014, H. pylori s/p 14 day triple therapy 09/2010	<b>0/3 visits</b>	03/2011 – initiate ranitidine 150mg BID Epigastric pain and heartburn resistant to treatment with omeprazole 20mg daily initiated on 09/2012 Plan for EGD
27.	95	Female	Pantoprazole 40mg BID	GERD – unchanged, 12/2014	2/3 home visits	06/1998 – 04/2000 omeprazole 20mg daily 06/1998 – 01/2000 ranitidine 150mg BID, discontinued due to nausea 07/2011 – 02/2014 pantoprazole 40mg daily <b>02/2014 step down to ranitidine 150mg BID</b> 12/2014 step up to pantoprazole 40mg BID Diet education and lifestyle modification with weight loss completed to reduce GERD symptoms
28.	56	Male	Omeprazole 40mg BID	Distal esophageal w/ positive H.	<b>0/3 visits</b>	05/2012 – 06/2013 ranitidine 150mg BID 01/2013 – 08/2013 omeprazole 40mg daily

				pylori – <b>improved</b> 01/2014		08/2013 step up to omeprazole 40mg BID
29.	41	Male	Omeprazole 20mg daily	<b>No associated diagnosis on problem list</b>	<b>0/3 visits</b>	05/2014 PPI initiated Heartburn and indigestion positive on ROS, no mention of reflux in assessment/problem of any office visits
30.	48	Female	Pantoprazole 40mg daily	Gastritis – improved 12/2014, GERD – unchanged 08/2014	1/3 visits	Instructed to caution use of NSAIDs 08/2001 famotidine 20mg BID 08/2001 – 08/2003 switch to ranitidine 150mg daily 08/2003 – 04/2010 lansoprazole 30mg daily discontinue b/c not effective 01/2010 – 03/2010 ranitidine 150mg daily discontinued b/c not effective 03/2010 step up to pantoprazole 40mg daily
31.	54	Female	Omeprazole 20mg BID	GERD, nutcracker esophagus - <b>improved</b> 07/2014	1/3 visits	07/1998 – 05/2000 famotidine 20mg BID 07/1998 omeprazole 20mg daily added 03/2002 – 07/2002 esomeprazole 40mg daily trial, discontinued b/c not effective 01/2014 step up omeprazole 20mg BID
32.	65	Female	Lansoprazole 15mg daily	<b>No associated diagnosis on problem list</b>	1/3 visits	02/2009 pantoprazole 40mg daily <b>11/2014 step down to lansoprazole 15mg daily due to improved symptoms</b>
33.	77	Female	Omeprazole 20mg daily	Hiatal hernia – unchanged, 06/1999, esophageal reflux – unchanged, 02/2008, h/o gastric ulcer, hemorrhage	<b>0/3 visits</b>	08/2002 – 12/2003 pantoprazole 40mg BID <b>12/2003 step down to esomeprazole 40mg daily</b> <b>05/2004 step down to omeprazole 20mg daily</b> 09/2004 – 02/2006 step up to esomeprazole 40mg daily <b>02/2006 – 07/2014 step down to ranitidine 150mg daily</b> 02/2008 – step up with addition of omeprazole 20mg daily
34.	67	Female	Omeprazole 20mg BID, Famotidine 20mg BID	Hiatal hernia with reflux, esophageal – deteriorated, 07/2014	3/3 visits	11/1998 – omeprazole 20mg BID initiated 07/2014 – step up with addition of famotidine 20mg BID Refractory to rolaids, tums, zantac, prilosec

35.	40	Female	Pantoprazole 40mg BID	Epigastric abdominal pain, question of PUD – <b>improved</b> 01/2013	<b>0/3 visits</b>	03/2002 – 12/2009 pantoprazole 40mg daily 04/2010 – step up to pantoprazole 40mg
36.	25	Female	Omeprazole 20mg BID	GERD - <b>improved</b> 01/2014	<b>0/3 visits</b>	12/2013 – 02/2014 ranitidine 150mg BID – not effective 11/2013 – 02/2014 esomeprazole 20mg daily 02/2014 step up to omeprazole 20mg BID
37.	53	Male	Pantoprazole 40mg daily	Esophageal reflux – <b>improved</b> 06/2013	<b>0/3 visits</b>	01/2012 – 03/2013 ranitidine 150mg BID 03/2013 step up to pantoprazole 40mg daily with plan to continue for 6 months on PPI and attempt to discontinue if symptoms are well, <b>plan for step down not implemented</b>
38.	55	Male	Omeprazole 20mg daily	GERD – no comment on status	<b>0/3 visits</b>	08/2006 – 08/2007 lansoprazole 15mg daily 08/2007 – 11/2010 step up to lansoprazole 30mg daily 11/2010 addition of ranitidine 150mg BID, discontinued same month 11/2010 switch to omeprazole 20mg daily
39.	85	Male	Omeprazole 20mg daily	GERD – <b>improved</b> 02/2013	<b>0/3 visits</b>	08/2010 PPI initiated Well controlled symptoms, patient would not like step down/discontinuation of PPI as documented on 02/2013
40.	71	Male	Omeprazole 20mg daily	Atypical chest discomfort, suspect GERD - 04/2012	<b>0/3 visits</b>	12/1998 – 02/2001 famotidine 20mg BID 02/2001 – 02/2006 step up to pantoprazole 40mg daily 02/2006 – 03/2007 switch to omeprazole 40mg daily <b>03/2007 – step down to omeprazole 20mg daily</b>
41.	59	Male	Pantoprazole 40mg daily	Hiatal hernia, GERD – unchanged 08/2009	<b>0/3 visits</b>	Weight control 02/2002 – 03/2002 omeprazole 20mg daily 02//2003 – 10/2004 esomeprazole 40mg daily <b>10/2004 – 10/2005 step down to omeprazole 20mg daily</b> 09/2005 – step up to pantoprazole 40mg daily
42.	50	Male	Omeprazole 20mg BID	GERD – deteriorated 10/2014, plan to check H. pylori Ab	1/3 visits	09/2002 – 02/2004 pantoprazole 40 mg daily <b>02/2004 step down to omeprazole 20mg daily</b> 03/2013 step up to omeprazole 20mg BID 02/2013 – 10/2014 addition of ranitidine 150mg BID

43.	69	Male	Pantoprazole 40mg daily	No associated diagnosis on problem list	0/3 visits	06/2014 PPI initiated
44.	51	Female	Pantoprazole 40mg daily	GERD – deteriorated 01/2010	0/3 visits	10/2009 – 01/2010 Failed ranitidine 150mg BID 01/2010 step up, PPI initiated
45.	88	Male	Pantoprazole 40mg BID	GERD, esophageal stricture, Barrett esophagus – no comment on status	0/3 visits	07/2008 omeprazole 20mg daily discontinued b/c not effective Step up to pantoprazole 40mg BID
46.	69	Male	Pantoprazole 40mg daily	Hiatal hernia s/p Nissen repair 03/2009, esophageal stricture, GERD – improved 08/2012	0/3 visits	09/1996 – 12/1998 omeprazole 20mg daily <b>12/1998 – 03/2001 step down to famotidine 20mg BID</b> 03/2001 – 10/2008 step up to ranitidine 150mg daily due to refractory symptoms 10/2008 – 11/2008 step up to omeprazole 20mg daily 11/2008 – 08/2011 step up to omeprazole 20mg BID 11/2014 switch to pantoprazole 40mg daily
47.	57	Female	Omeprazole 20mg BID	Reflux – unchanged 03/2011	0/3 visits	12/2003 PPI initiation
48.	41	Female	Omeprazole 40mg daily	GERD – unchanged 1/2015	0/3 visits	05/2011 – 01/2012 famotidine 40mg daily 08/2013 PPI initiated Lifestyle modifications Plan to switch to dexlansoprazole 30mg daily if symptoms worsen
49.	67	Female	Omeprazole 10mg daily, Ranitidine 150mg	GERD – 12/2009, endoscopy needed	0/3 visits	01/2000 PPI initiated 12/2014 step up with addition of ranitidine
50.	45	Female	Omeprazole 20mg daily	No associated diagnosis on problem list	0/3 visits	02/2003 – 01/2008 omeprazole 20mg BID <b>05/2014 step down to omeprazole 20mg daily</b>

