

MEDICATION COVERAGE POLICY

PHARMACY AND THERAPEUTICS ADVISORY COMMITTEE



POLICY	Acute and Chronic Bowel Disease	P&T DATE	6/18/2024
THERAPEUTIC CLASS	Gastrointestinal Disorders	REVIEW HISTORY	Previous Chronic Bowel Disease: 6/23, 9/21, 5/20, 5/19, 2/18, 2/17, 2/16, 2/15, 2/13 Previous Bowel Movements: 5/20, 9/19, 9/18, 12/16, 9/15, 9/12, 5/08, 11/22
LOB AFFECTED	Medi-Cal	(MONTH/YEAR)	

This policy has been developed through review of medical literature, consideration of medical necessity, generally accepted medical practice standards, and approved by the HPSJ/MVHP Pharmacy and Therapeutic Advisory Committee.

Effective 1/1/2022, the Pharmacy Benefit is regulated by Medi-Cal Rx. Please visit <https://med-calrx.dhcs.ca.gov/home/> for portal access, formulary details, pharmacy network information, and updates to the pharmacy benefit.

All medical claims require that an NDC is also submitted with the claim. If a physician administered medication has a specific assigned CPT code, that code must be billed with the correlating NDC. If there is not a specific CPT code available for a physician administered medication, the use of unclassified CPT codes is appropriate when billed with the correlating NDC.

❖ **PART 1: INFLAMMATORY BOWEL DISEASE OVERVIEW**

Inflammatory bowel disease (IBD) is the chronic inflammation of a part (Ulcerative Colitis) or of an entire (Crohn's Disease) digestive tract. Although the exact etiology of IBD is unknown, effective management of IBD and its symptoms help in improving a patient's quality of life. Health Plan of San Joaquin/Mountain Valley Health Plan has adopted the treatment goals and recommendations of the most recent practice guidelines from the American College of Gastroenterology (ACG) and National Institute for Health and Care Excellence (NICE) in the management of Ulcerative Colitis and Crohn's Disease.^{1,2} The below criteria, limits, and requirements for certain agents are in place to ensure appropriate use of those agents and to help members towards induction and maintenance of remission of symptoms.

Available IBD Non-Biologic Agents: (Current as of 01/2024)

CPT code	Generic Name (Brand Name)	Available Strengths	Pharmacy Benefit	Medical Benefit (Restrictions)
Oral Amino-salicylates				
--	Sulfasalazine (Azulfidine)	Tablets, IR: 500 mg Tablets, DR: 500 mg	Yes	No
--	Balsalazide (Colazol)	Capsules: 750 mg	Yes	No
--	Mesalamine (Apriso)	Tablets, ER: 0.375 mg	Yes	No
--	Mesalamine (Delzicol)	Capsules, DR: 400 mg	Yes	No
--	Mesalamine (Pentasa)	Capsules: CR: 250 mg, 500 mg	Yes	No
--	Mesalamine (Lialda)	Tablets, DR: 1.2 mg	Yes	No
--	Mesalamine (Asacol HD)	Tablets DR: 800 mg	Yes	No
	Olsalazine (Dipentum)	Capsules: 250 mg	Yes	No
Topical Amino-salicylates				
--	Mesalamine (Rowasa)	Enema Solution: 4 GM/60 ml	Yes	No
--	Mesalamine (Canasa)	Suppository: 1000 mg	Yes	No
Cortico-steroids				
--	Prednisone (Deltasone)	Tablets: 1 mg, 2.5 mg, 5 mg, 10 mg, 20 mg, 50 mg, Solution: 5mg/5ml	Yes	No

--	Budesonide (Entocort, Uceris)	Delayed release: 3 mg capsules Extended release 24-hour tablets: 9 mg Rectal Foam: 2 mg	Yes	No
Immuno-modulators				
--	6-Mercaptopurine	Tablets: 50 mg	Yes	No
--	Azathioprine (Azasan, Imuran)	Tablets: 50 mg, 75 mg 100 mg	Yes	No
PA = Prior Authorization; QL = Quantity Limit; IR = Immediate Release; DR = Delayed Release; CR = Controlled Release; SR = Sustained				

Anti-inflammatory Biologic Agents:

CPT code	Generic Name (Brand Name)	Available Strengths	Pharmacy Benefit	Medical Benefit (Restrictions)
Tumor Necrosis Factor-α Blockers				
J0135	Adalimumab (Humira) <i>SQ injection</i>		Yes	No
--	Adalimumab biosimilars Adalimumab-adbm (Cyltezo), Adalimumab-atto (Amjevita) Adalimumab-afzb (Abrilada) Adalimumab-bwvd (Hadlima)	Pen-injector Kit, Prefilled Syringe kit: 20mg/0.4ml, 40mg/0.8ml	Yes	No
J0717	Certolizumab (Cimzia) (For Crohn's Disease only)	Vials, auto-injector, prefilled syringes: 200mg/ml	Yes, for prefilled syringes and auto-injectors	Yes, for vials (PA)
J1602 for IV solution	Golimumab (Simponi) (For Ulcerative Colitis only)	Auto-injector, prefilled syringe: 50mg/0.5ml, 100mg/ml Solution: 50mg/4ml	Yes, for auto-injector and prefilled syringe	No (IV dosing is not indicated for UC)
J1745	Infliximab (Remicade)	Solution: 100mg	Yes	Yes (PA)
Q5103	Infliximab-dyyb (Inflectra)	Solution: 100mg	Yes	Yes (PA)
Q5104	Infliximab-abda (Renflexis)	Solution: 100mg	Yes	Yes (PA)
Q5121	Infliximab-axxq (Avsola)	Solution: 100mg	Yes	Yes (PA)
Q5109	Infliximab-qbtX (Ixifi)	Solution: 100mg	Yes	Yes (PA)
Janus Associated Kinase Inhibitor				
--	Tofacitinib (Xeljanz)	Tablets: 5mg, 11 mg Tablets, XR: 11 mg, 22 mg Oral solution: 1mg/mL	Yes	No
--	Upadacitinib (Rinvoq)	Tablets: 15 mg, 30 mg, 45 mg	Yes	No
Sphingosine 1-Phosphate (S1P) Receptor Modulator				
--	Ozanimod (Zeposia)	Capsule: 0.23 mg, 0.46 mg, 0.92 mg	Yes	No
--	Etrasimod (Velsipity)	Tablets: 2 mg	Yes	No
IL-12, IL-23 Inhibitor				
J3358 (for IV infusion)	Ustekinumab (Stelara) <i>IV infusion</i> <i>SQ Syringe</i>	Prefilled syringe: 45 mg/0.5 ml, 90 mg/ml Solution: 45/0.5mL, 130 mg/26mL	Yes	Yes (PA, for IV infusion only)
IL-23 Inhibitor				
J2327 (for IV infusion)	Risankizumab (Skyrizi) <i>IV infusion</i> <i>SQ injection</i>	Solution: 600 mg/10 mL Auto-injector: 150 mg/mL Cartridge: 180 mg/1.2mL, 360 mg/2.4mL Prefilled syringe: 150 mg/mL	Yes	Yes (PA, for IV infusion only)
J2267	Mirikizumab (Omvoh) <i>IV infusion</i> <i>SQ injection</i>	Solution: 300 mg/15 mL Solution Auto-injector: 100 mg/mL Solution Prefilled Syringe 100 mg/mL	Yes	Yes (PA, for IV infusion only)

Selective Adhesion Molecule Inhibitor				
J2323	Natalizumab (Tysabri) <i>IV infusion</i>	Solution: 300 mg/15mL	Yes	Yes (PA)
J3380	Vedolizumab (Entyvio) <i>IV infusion</i>	Solution: 300 mg	Yes	Yes (PA)

PA = Prior Authorization; QL = Quantity Limit; IR = Immediate Release; DR = Delayed Release; CR = Controlled Release; SR = Sustained

❖ EVALUATION CRITERIA FOR APPROVAL/EXCEPTION CONSIDERATION

Below are the coverage criteria and required information for each agent. These coverage criteria have been reviewed approved by the HPSJ/MVHP Pharmacy & Therapeutics (P&T) Advisory Committee. For conditions not covered under this Coverage Policy, HPSJ/MVHP will make the determination based on Medical Necessity as described in HPSJ/MVHP Medical Review Guidelines (UM06).

Tumor Necrosis Factor α Blockers

Infliximab-abda (Renflexis), Infliximab-dyyb (Inflectra), Adalimumab (Humira), Adalimumab (Cyltezo), Certolizumab Pegol (Cimzia), Golimumab (Simponi)

Infliximab (Remicade), Infliximab-abda (Renflexis), Infliximab-dyyb (Inflectra), Infliximab-axxq (Avsola), Certolizumab Pegol (Cimzia):

Coverage Criteria:

Remicade/Inflectra/Renflexis/Avsola:

- Reserved for treatment failure to adequate trial of oral immunosuppressive agents (Azathioprine, Mercaptopurine, Mesalamine, and Sulfasalazine) OR intolerance to corticosteroids.

Cimzia: Reserved for treatment of Crohn's disease and must meet one of the following:

- [1] Reserved for treatment failure to adequate trial of oral immunosuppressive agents (Azathioprine, Mercaptopurine, Mesalamine, and Sulfasalazine) OR intolerance to corticosteroids OR
- [2] women that are currently pregnant or breastfeeding.

Limits: Must be prescribed by a gastroenterologist.

Selective Adhesion Molecule Inhibitor

Natalizumab (Tysabri), Vedolizumab (Entyvio)

Natalizumab (Tysabri):

- Coverage Criteria:** *(for the treatment of Crohn's disease)* Reserved for patients with contraindication to ALL other agents.

- Limits:** NONE

- Required Information for Approval:** Documentation showing contraindication to ALL other agents and a negative anti-JCV antibody detection test result.

- o Must be initiated by a gastroenterologist.

Vedolizumab (Entyvio):

- Coverage Criteria:** Reserved for treatment of Ulcerative Colitis or Crohn's disease with treatment failure or intolerance to one TNF inhibitor for 2 months.

- Limits:** NONE

- Required Information for Approval:** Documentation showing fill history or documentation of treatment failure or intolerance to TNF inhibitors.

Must be initiated by a gastroenterologist.

IL-12, IL-23 Inhibitors

Ustekinumab (Stelara), Risankizumab (Skyrizi), Mirikizumab (Omvo)

Ustekinumab (Stelara):

For the treatment of Crohn's Disease

- Coverage Criteria:** Reserved for treatment failure to **tumor necrosis factor (TNF) inhibitors.**

- Limits:** NONE

- Required Information for Approval:** Fill history or documentation of treatment failure to tumor necrosis factor (TNF) inhibitors.
- Notes:** Must be prescribed by gastroenterologist.

For the treatment of Ulcerative Colitis:

- Coverage Criteria:** Reserved for treatment failure to **tumor necrosis factor (TNF) inhibitors**.
- Limits:** NONE
- Required Information for Approval:** Documented diagnosis of moderate to severe ulcerative colitis and fill history or documentation of treatment failure to tumor necrosis factor (TNF) inhibitors.
- Notes:** Must be prescribed by gastroenterologist.

Risankizumab (Skyrizi):

For the treatment of Crohn's Disease:

- Coverage Criteria:** Reserved for treatment failure to **tumor necrosis factor (TNF) inhibitors** AND have tried and failed **Stelara**.
- Limits:** NONE
- Required Information for Approval:** Fill history or documentation of treatment failure to tumor necrosis factor (TNF) inhibitors.
- Notes:** Must be prescribed by gastroenterologist.

Mirikizumab (Omvoh):

For the treatment of Ulcerative Colitis:

- Coverage Criteria:** Reserved for treatment failure to **tumor necrosis factor (TNF) inhibitors** AND have tried and failed **Stelara**.
- Limits:** NONE
- Required Information for Approval:** Documented diagnosis of moderate to severe ulcerative colitis and fill history or documentation of treatment failure to TNF inhibitor.
- Notes:** Must be prescribed by gastroenterologist.

❖ **CLINICAL JUSTIFICATION**

American College of Gastroenterology (ACG) and NICE guidelines states 5-ASA effectiveness in irritable bowel disease. Both oral and rectal 5-ASA have are used in mild to moderately active disease states, with combination of oral and rectal therapy resulting in better outcome than with monotherapy. Oral corticosteroids should be used in short term induction therapy due to systemic effects associated with long term use. Although Budesonide is formulated to target ileal area of the colon, given its low bioavailability and efficacy, budesonide is reserved for patients with disease involving ilea area who are intolerant to conventional oral corticosteroid therapy. Immunomodulators and biologics are reserved for moderate to severe disease states due to systemic effects on immune system.

The 2019 ACG Clinical Guideline for Ulcerative Colitis in Adults recommends vedolizumab for induction of remission with moderate to severely active UC in patients who have previously failed anti-TNF therapy. The 2018 ACG Clinical Guideline for Management of Crohn's Disease in Adults indicates that for patients with moderately to severely active CD and objective evidence of active disease, anti-integrin therapy (with vedolizumab) with or without an immunomodulator is more effective than placebo and should be considered to be used for induction of symptomatic remission in patients with Crohn's disease.

The American Gastroenterological Association released a report for Inflammatory Bowel Disease in Pregnancy in 2019 that indicates aminosalicylates, biologics, or immunomodulator therapies may be continued during pregnancy and through delivery.³⁸ The guidelines indicate while most biologics, aside from certolizumab, actively cross the placenta, safety data from prospective trials and large nationwide cohorts of women who continued taking biologics in pregnancy have not shown an increase in adverse fetal outcomes.³⁸ Per the package insert, certolizumab pegol concentrations were minimal/undetectable in multiple samples of infant plasma and in breast milk. Providers who place greater importance for known safety profiles for pregnant and breastfeeding patients

may preference biologic therapy. Hence, patients that are pregnant or currently breastfeeding and have a clinical indication for Cimzia treatment can bypass usual step therapy requirements for Cimzia treatment.²⁸⁻³⁷

PART 2: IRRITABLE BOWEL SYNDROME, CONSTIPATION & DIARRHEA OVERVIEW

Inflammatory bowel syndrome (IBS) is a common disorder of bowel function that causes change in bowel habits resulting in either constipation (IBS-C) or diarrhea (IBS-D), along with symptoms such as abdominal pain, bloating, and other non-intestinal symptoms. Although the exact etiology of IBS is unknown, effective management of IBS and its symptoms help in improving a patient's quality of life. Health Plan of San Joaquin/Mountain Valley Health Plan has adopted the treatment goals and recommendations of the most recent practice guidelines from the American Gastroenterological Association (AGA) and The National Institute for Health Care and Excellence Guidelines (NICE) in the management of IBS-C and IBS-D.^{1,2,12} The below criteria, limits, and requirements for certain agents are in place to ensure appropriate use of those agents.

Constipation affects approximately about -12 million Americans.²⁵ Many of the people with chronic constipation are on pain medication worsening constipation. Basic effects of opioid induced constipation is mechanically different from other forms of constipation.

Acute diarrhea can be defined as the passage of a greater number of stools of decreased form from the normal lasting less than 14 days, while persistent diarrhea is defined as diarrhea lasting between 14 and 30 days and chronic diarrhea lasts for greater than 30 days. Diarrhea can be caused by a number of factors, including infection. Acute diarrheal infection (also called gastroenteritis) is a leading cause of outpatient visits, hospitalizations, and lost quality of life occurring in both domestic settings and among travelers. According to the American College of Gastroenterology, use of antibiotics for community-acquired diarrhea should be discouraged as most cases are viral in origin & not shortened with antibiotics.¹⁵

Prescription & OTC constipation and diarrhea medications are used to relieve symptoms and/or regulate bowel movements. While there are many available agents to relieve constipation and diarrhea, non-pharmacologic recommendations should be incorporated into every patient care plan. The purpose of this coverage policy is to review HPSJ/MVHP's coverage criteria of constipation and diarrhea agents.

Available IRRITABLE BOWEL SYNDROME, CONSTIPATION & DIARRHEA Agents (Current as of 6/2022):

CPT code	Generic Name (Brand Name)	Available Strengths	Pharmacy Benefit	Medical Benefit (Restrictions)
<i>Bulk Forming</i>				
--	Psyllium Husk with Sugar (Metamucil, Natural Fiber, Konsyl)	3.4 gram/7 gram powder, 3.4 gram oral powder packet	Yes	No
--	Psyllium Husk with Aspartame (Metamucil Fiber)	3.4 gram/5.8 gram powder, 3.4 gram oral powder packet	Yes	No
--	Psyllium Seed (Reguloid, Hydrocil Instant)	Reguloid Laxative Powder, Hydrocil Instant Packet	Yes	No
--	Psyllium Seed with Dextrose (Natural Fiber Lax, Fiber Smooth, Konsyl-D, Natural Vegetable Laxative Powder)	Fiber oral powder, Metamucil Fiber Wafer 2.5 gram oral Wafer	Yes	No
<i>Osmotic</i>				
--	Polyethylene Glycol 3350 (Miralax, Clearlax, Purelax, Gavilax, Smoothlax)	17gram/dose oral powder jar, 17g/dose oral powder packet	Yes	No
--	Peg 3350/Na Sulf/ Bicarb/Cl/KCl (Gavilyte, Golytely, Colyte)	Gavilyte-C 240 gram-22.72 gram-6.72 gram-5.84 gram oral solution, Gavilyte-G 236 gram-22.74 gram-6.74 gram-5.86 gram oral solution, PEG 3350 and ELS, Golytely 236 gram- 22.74 gram-6.74 gram-5.86 gram oral solution, Golytely 227.1 gram-21.5 gram-6.36 gram oral packet,	Yes	No
--	Sodium chloride/ NaHCO3/KCl/Peg (Trilyte, Gavilyte-N, Nulytely)	Trilyte With Flavor Packets 420 gram oral solution, PEG 3350 and ELS, Gavilyte-N 420 gram solution, Nulytely With Flavor Packets	Yes	No

--	Sodium/Potassium/Mag Sulfates (Suprep Bowel Prep)	Suprep Bowel Prep Kit 17.5-3.13 gram oral solution	Yes	No
--	Magnesium Hydroxide (Milk of Magnesia)	400mg/5mL suspension	Yes	No
--	Magnesium Citrate (Citroma)	1.745g/30mL solution (296mL Bottle)	Yes	No
--	Glycerin (Fleet Pedia-Lax, Sani-Supp)	Adult rectal suppository, Child rectal suppository, Fleet Glycerin 5.4 gram/5.4 mL liquid rectal suppository, Pedia-Lax 2.8 gram/2.7 mL rectal solution	Yes	No
<i>Stool Softener</i>				
--	Sennosides/Docusate Sodium (Senna S, Senna Plus)	8.6mg/50mg tablet	Yes	No
<i>Cathartic</i>				
--	Sodium Phosphates (Fleet Enema Extra, OsmoPrep Tablet)	7.2 gram-2.7 gram/15 mL oral liquid, 19 gram-7 gram/197 mL enema, OsmoPrep tablet	Yes	No
<i>Antidiarrheals</i>				
--	Bismuth subsalicylate (Pepto-Bismol, Bismatrol, Kao-Tin)	262 mg chewable tablet, 262 mg tablet, 262 mg/15 ml oral suspension, 525 mg/15 ml oral suspension	Yes	No
--	Diphenoxylate HCl/Atropine (Lomotil)	2.5 mg-0.025 mg liquid, 2.5 mg-0.025 mg tablet	Yes	No
--	Loperamide (Imodium)	2 mg capsule, 2 mg tablet, 1 mg/5 ml oral solution, 1 mg/7.5 ml oral solution	Yes	No
--	Opium Tincture	10 mg/ml tincture	Yes	No
<i>Antispasmodics</i>				
--	Dicyclomine (Bentyl)	10 mg capsule, 10 mg /5 mL solution, 20 mg tablet	Yes	No
--	Hyoscyamine (Anaspaz, Cystospaz, Levsin)	0.125 mg ODT, 0.125 mg tablet SL, 0.375 mg ER tablet, 0.125 mg tablet, 125 mcg/5 mL elixir, 0.125 mg/mL drop	Yes	No
<i>Tricyclic Antidepressants</i>				
--	Amitriptyline (Elavil)	10 mg tablet, 25 mg tablet, 50 mg tablet, 75 mg tablet, 100 mg tablet, 150 mg tablet	Yes	No
--	Clomipramine (Anafranil)	25 mg capsule, 50 mg capsule, 75 mg capsule	Yes	No
--	Desipramine (Norpramin)	10 mg tablet, 25 mg tablet, 50 mg tablet, 75 mg tablet, 100 mg tablet, 150 mg tablet	Yes	No
--	Doxepin (Siquan)	Silenor 3 mg tablet, Silenor 6 mg tablet, 10 mg/5 ml solution, 10 mg capsule, 25 mg capsule, 50 mg capsule, 75 mg capsule, 100 mg capsule, 150 mg capsule	Yes	No
--	Imipramine (Tofranil)	10 mg tablet, 25 mg tablet, 50 mg tablet	Yes	No
--	Nortriptyline (Pamelor)	10 mg/5 ml oral concentrate, 10 mg capsule, 25 mg capsule, 50 mg capsule, 75 mg capsule	Yes	No
--	Trimipramine	25 mg capsule, 50 mg capsule, 100 mg capsule	Yes	No
<i>Chloride Channel Activator</i>				
--	Lubiprostone (Amitiza)	8 mcg capsule, 24 mcg capsule	Yes	No
<i>Guanylate Cyclase-C Agonist</i>				

--	Linaclotide (Linzess)	72 mcg capsule, 145mcg capsule, 290 mcg capsule	Yes	No
--	Plecanatide (Trulance)	3 mg tablets	Yes	No
5-HT3 Antagonist				
--	Alosetron (Lotronex)	0.5 mg tablet, 1 mg tablet	Yes	No
5-HT4 Receptor Agonist				
--	Prucalopride (Motegrity)	1 mg tablet, 2 mg tablet,	Yes	No
--	Tegaserod (Zelnorm)	2 mg tablet, 6 mg tablet	Yes	No
Mixed Mu-Opioid Receptor Agonist, Delta Opioid Receptor Antagonist, And Kappa Opioid Receptor Agonist				
--	Eluxadoline (Viberzi)	75 mg tablets, 100 mg tablets	Yes	No
Peripherally acting Opioid Antagonist				
--	Methylnaltrexone (Relistor)	8 mg/0.4 mL subcutaneous solution, 12 mg/0.6 mL subcutaneous solution, 150 mg tablet	Yes	No
--	Naldemedine (Symproic)	0.2 mg tablet	Yes	No
--	Naloxegol (Movantik)	12.5 mg tablet, 25 mg tablet	Yes	No
Prokinetic				
--	Metoclopramide (Reglan)	5 mg/5 mL solution, 5 mg tablet, 10 mg tablet	Yes	No
Antibiotics				
--	Rifaximin (Xifaxan)	550 mg tablet	Yes	No
Sodium/Hydrogen Exchanger 3 (NHE3) Inhibitor				
--	Tenapanor (Ibsrela)	50 mg tablet	Yes	No

* PA = Prior Authorization; QL = Quantity Limit; IR = Immediate Release; DR = Delayed Release; CR = Controlled Release; SR = Sustained

❖ **CLINICAL JUSTIFICATION**

HPSJ/MVHP policy is based on current and updated clinical and practice guidelines. According to ACG 2018 IBS treatment monograph recommends exercise, diet and dietary manipulation to improve overall symptoms of IBS. Updated systemic review and meta-analysis on fiber showed statistically significant improvement in fiber compare to placebo. Polyethylene glycol, Tricyclic antidepressants and loperamide improve diarrhea symptoms as well. SSRIs are now recommended to improve constipation in IBS-D. Tegaserod (Zelnorm) has been reintroduced for emergency treatment of IBS-C and chronic idiopathic constipation (CIC) in women (<55 years of age) in which no alternative therapy exists. Tegaserod (Zelnorm) is only available through emergency- investigational new drug (IND) process.

Bowel regimens can be divided into two categories of drugs: agents with active mechanism, such as bisacodyl, magnesium oxide, and lubiprostone; and those with passive mechanisms, such as psyllium husk and docusate. The HPSJ/MVHP formulary is structured to favor fiber and laxatives due to recommendations from the American Gastroenterological Association (AGA).¹⁴ Medications from multiple categories can be combined for patients with inadequate relief from one agent. The whole therapeutic picture should be addressed when treating constipation; calcium channel blockers, opiates, and inadequate management of diabetes (due to dehydration) can exacerbate the condition. Patients should maintain adequate hydration, eat fibrous foods, and exercise regularly to ensure the highest level of effectiveness.

Diarrhea can be treated with symptomatic therapy, such as loperamide, diphenoxylate, or bismuth subsalicylate. If the diarrhea has an infectious cause, antibiotics such as azithromycin, fluoroquinolones, and rifaximin can be used depending on presentation of symptoms or location of where the patient traveled. According to the American College of Gastroenterology (ACG)¹⁵ and Infectious Diseases Society of America (IDSA),¹⁶ the most useful antimotility agent is loperamide. Due to extrapyramidal effects, agents such as Metoclopramide should be limited.

The 2021 ACG Clinical Guideline for the Management of Irritable Bowel Syndrome²⁷ indicate that loperamide is not recommended as first-line therapy for treating IBS-D symptoms because it may improve diarrhea but not improve global IBS symptoms. The guidelines further indicate that eluxadoline (Viberzi) improves global IBS-D symptoms in men and women, and analyses have also shown that eluxadoline improves symptoms in patients with IBS-D who have failed previous trials of loperamide. Finally, the 2021 guidelines recommend against the use of antispasmodics currently available in the United States to treat global IBS symptoms due to limited data supporting their use, with existing data being decades-old, of poor quality, or methodologically limited.

❖ **REFERENCES PART 1**

1. Kornbluth A, Sachar D, et al. Ulcerative Colitis Practice Guidelines in Adults: American College of Gastroenterology, Practice Parameters Committee *Am J Gastroenterol* 2010;105:500.
2. Lichtenstein GR, Hanauer SB, Sandborn WJ, et al. Management of Crohn ' s Disease in Adults *Am J Gastroenterol* advance online publication, 6 January 2009.
3. Keunzig M, Rezaie A, Seow CH, et al. Budesonide for maintenance of remission in Crohn's disease. *Cochrane Library*. Accessed on January 4, 2016. Last published August 21, 2014. Available at: http://www.cochrane.org/CD002913/IBD_budesonide-for-maintenance-of-remission-in-crohns-disease.
4. Munch A, Bohr J, Miehike S, et al. Low-dose budesonide for maintenance of clinical remission in collagenous colitis: a randomised, placebo-controlled, 12-month trial. *Colon*. November 2014; doi: 10.1136/gutjnl-2014-308363.
5. Yoo DH, Racewicz A, Brzezicki J, et al. A phase III randomized study to evaluate the efficacy and safety of CT-P13 compared with reference infliximab in patients with active rheumatoid arthritis: 54-week results from the PLANETRA study. *Arthritis Res Ther* 2016;18:82.
6. ClinicalTrials.Gov. Efficacy and Safety Study of ABP 501 Compared to Adalimumab in Subjects With Moderate to Severe Rheumatoid Arthritis. October 23, 2016. <https://clinicaltrials.gov/ct2/show/NCT01970475>. Accessed January 22, 2017.
7. Griffiths CE, et al. The EGALITY study: A confirmatory, randomised, double-blind study comparing the efficacy, safety and immunogenicity of GP2015, a proposed etanercept biosimilar, versus the originator product in patients with moderate to severe chronic plaque-type psoriasis. *Br J Dermatol*. 2016 Oct 27. doi: 10.1111/bjd.15152.
8. Dapavo P, et al. The infliximab biosimilar in the treatment of moderate to severe plaque psoriasis. *Journal of American Academy of Dermatology*. 2016 Oct;75(4):736-9.
9. FIMEA. Interchangeability of Biosimilars—Position of Finnish Medicines Agency Fimea. May 22, 2015. http://www.fimea.fi/instancedata/prime_product_julkaisu/fimea/embeds/fimeawwwstructure/29197_Biosimilaarien_va_ihtokelpoisuus_EN.pdf. Accessed January 22, 2017.
10. FDA. Summary Minutes of the Arthritis Advisory Committee Meeting. July 12, 2016. <http://www.fda.gov/downloads/AdvisoryCommittees/CommitteesMeetingMaterials/Drugs/ArthritisAdvisoryCommittee/UCM520027.pdf>. Accessed January 21, 2017.

11. Dörner T, Strand V, Cornes P, et al. The changing landscape of biosimilars in rheumatology. *Ann Rheum Dis* 2016; 75:974–82. doi:10.1136/annrheumdis-2016-209166
12. FDA. Biosimilars: Questions and Answers Regarding implementation of Biologics Price Competition and Innovation Act of 2009. April 2015. <http://www.fda.gov/downloads/Drugs/GuidanceComplianceRegulatoryInformation/Guidances/UCM444661.pdf>. Accessed January 21, 2017
13. Dapavo P, et al. The infliximab biosimilar in the treatment of moderate to severe plaque psoriasis. *Journal of American Academy of Dermatology*. 2016 Oct;75(4):736-9
14. Results from the NOR-SWITCH study support switch from Remicade to Remsima (biosimilar infliximab). Mundipharma. 19 October 2016. <http://www.mundipharma.com/docs/default-source/default-document-library/161019-ueg-press-release-final.pdf?sfvrsn=0>. Accessed 2 Feb 2017.
15. Behm BW, Bickston SJ. Tumor necrosis factor-alpha antibody for maintenance of remission in Crohn's disease. *Cochrane Database Syst Rev*. 2008; (1): CD006893.
16. Vedolizumab (ENTYVIO) for intravenous injection: National drug monograph (2014). VA Pharmacy Benefits Management Services, Medical Advisory Panel, and VISN Pharmacist Executives.
17. Sandborn WJ, Colombel JF, Enns R et al. Natalizumab induction and maintenance therapy for Crohn's disease. *N Engl J Med* 2005; 353:1912-1925.
18. Sandborn WJ, Feagan BG, Rutgeerts, et al. Vedolizumab as induction and maintenance therapy for Crohn's disease. *N Engl J Med*. 2013; 369: 711-721.
19. Sands BE, Feagan BG, Rutgeerts P, et al. Effects of vedolizumab induction therapy for patients with Crohn's disease in whom tumor necrosis factor antagonist treatment failed. *Gastroenterol*. 2014; 147(3): 618-27. 21(7): 1695-708.
20. G Lichtenstein, E Loftus, K Isaac, et al. ACG Clinical Guideline: Management of Crohn's Disease in Adults. *Am J Gastroenterol* 2018; 113:481–517; doi: 10.1038/ajg.2018.27.
21. J Terdiman, C Gruss, J Heidelbaugh, et al. American Gastroenterological Association Institute Guideline on the Use of Thiopurines, Methotrexate, and Anti-TNF- α Biological Drugs for the Induction and Maintenance of Remission in Inflammatory Crohn's Disease. *Gastroenterology* 2013;145:1459-1463.
22. D Rubin, A Ananthakrishnan, C Siegel et al. ACG Clinical Guideline: Ulcerative Colitis in Adults. *Am J Gastroenterol* 2019;114:384–413.
23. FDA News Release. FDA approves new treatment for moderately to severely active ulcerative colitis. May 30, 2018.
24. C Ko, S Singh, J Feuerstein, et al. AGA Clinical Practice Guidelines on the Management of Mild-to-Moderate Ulcerative Colitis. *Gastroenterology* 2019;156:748–764
25. Singh S, Murad MH, Fumery M, Dulai PS, Sandborn WJ. First- and second-line pharmacotherapies for patients with moderate to severely active ulcerative colitis: an updated network meta-analysis. *Clin Gastroenterol Hepatol*. 2020 doi: 10.1016/j.cgh.2020.01.008.
26. Sands BE, Peyrin-Biroulet L, Loftus EV, et al. Vedolizumab versus adalimumab for moderate-to-severe ulcerative colitis. *N Engl J Med*. 2019;381:1215–26.
27. Torres J, Bonovas S, Doherty G, Kucharzik T, Gisbert JP, Raine T, et al. ECCO Guidelines on Therapeutics in Crohn's Disease: medical Treatment. *J Crohn's Colitis*. 2020 Jan;14(1):4–22.
28. Götestam Skorpen C, Hoeltzenbein M, Tincani A, et al. The EULAR points to consider for use of antirheumatic drugs before pregnancy, and during pregnancy and lactation. *Ann Rheum Dis*. 2016;75(5):795-810. doi:10.1136/annrheumdis-2015-208840
29. Sammaritano LR, Bermas BL, Chakravarty EE, et al. 2020 American College of Rheumatology Guideline for the Management of Reproductive Health in Rheumatic and Musculoskeletal Diseases. *Arthritis Rheumatol*. 2020;72(4):529-556. doi:10.1002/art.41191
30. Porter ML, Lockwood SJ, Kimball AB. Update on biologic safety for patients with psoriasis during pregnancy. *Int J Womens Dermatol*. 2017;3(1):21-25. Published 2017 Feb 4. doi:10.1016/j.ijwd.2016.12.003
31. Ferreira C, Azevedo A, Nogueira M, Torres T. Management of psoriasis in pregnancy - a review of the evidence to date. *Drugs Context*. 2020;9:2019-11-6. Published 2020 Mar 9. doi:10.7573/dic.2019-11-6
32. Romanowska-Próchnicka K, Felis-Giemza A, Olesińska M, Wojdasiewicz P, Paradowska-Gorycka A, Szukiewicz D. The Role of TNF- α and Anti-TNF- α Agents during Preconception, Pregnancy, and Breastfeeding. *Int J Mol Sci*. 2021;22(6):2922. Published 2021 Mar 13. doi:10.3390/ijms22062922
33. Krause ML, Amin S, Makol A. Use of DMARDs and biologics during pregnancy and lactation in rheumatoid arthritis: what the rheumatologist needs to know. *Ther Adv Musculoskelet Dis*. 2014;6(5):169-184. doi:10.1177/1759720X14551568
34. ACOG Committee Opinion No. 776: Immune Modulating Therapies in Pregnancy and Lactation. *Obstet Gynecol*. 2019;133(4):e287-e295. doi:10.1097/AOG.0000000000003176
35. Humira (adalimumab) [package insert]. North Chicago, IL: Abbott Laboratories; 2021.
36. Cimzia (certolizumab pegol) [package insert]. Smyrna, GA: UCB, Inc; 2019.
37. Menter A, Gelfand JM, Connor C, et al. Joint American Academy of Dermatology-National Psoriasis Foundation guidelines of care for the management of psoriasis with systemic nonbiologic therapies. *J Am Acad Dermatol*. 2020;82(6):1445-1486. doi:10.1016/j.jaad.2020.02.044
38. Mahadevan U, Robinson C, Bernasko N, et al. Inflammatory bowel disease in pregnancy clinical care pathway: a report from the American Gastroenterological Association IBD parenthood project working group. *Am J Obstet Gynecol*. 2019;220(4):308-323. doi:10.1016/j.ajog.2019.02.027
39. Skyrizi (risankizumab-rzaa) [package insert]. North Chicago, IL: Abbvie Inc; 2022.

40. Omvosh (Mirikizumab-mrkz) [package insert]. Indianapolis, IN: Eli Lilly and Company; 2024.
41. Zymfentra (Infliximab-dyyb) [package insert]. Jersey City, NJ: Celltrion; 2023.

❖ REFERENCES PART 2

1. Chang, Lin et al. American Gastroenterological Association Institute Technical Review on the Pharmacological Management of Irritable Bowel Syndrome. *Gastroenterology*.2014;147(5):1149 - 1172.e2 [http://www.gastrojournal.org/article/S0016-5085\(14\)01090-7/fulltext#sec4](http://www.gastrojournal.org/article/S0016-5085(14)01090-7/fulltext#sec4)
2. The National Institute for Health Care and Excellence Guidelines for Irritable bowel syndrome in adults: diagnosis and management Clinical guideline [CG61] Published date: February 2008 Last updated: April 2017 <https://www.nice.org.uk/guidance/cg61/chapter/1-Recommendations>
3. Drossman, DA., Chey, WD., Johanson, JF., Fass, R., Scott, C., Oanas, R. and Ueno, R. (2009), Clinical trial: lubiprostone in patients with constipation-associated irritable bowel syndrome – results of two randomized, placebo-controlled studies. *Alimentary Pharmacology & Therapeutics*, 29: 329–341. doi:10.1111/j.1365-2036.2008.03881.x <http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2036.2008.03881.x/full>
4. Chey WD. SYMPOSIUM REPORT: An Evidence-Based Approach to IBS and CIC: Applying New Advances to Daily Practice: A Review of an Adjunct Clinical Symposium of the American College of Gastroenterology Meeting October 16, 2016 • Las Vegas, Nevada. *Gastroenterology & Hepatology*. 2017;13(2 Suppl 1):1-16. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5495029/#B36>
5. Bijkerk CJ, de Wit NJ, Muris JWM, Whorwell PJ, Knottnerus JA, Hoes AW. Soluble or insoluble fibre in irritable bowel syndrome in primary care? Randomised placebo controlled trial. *The BMJ*. 2009;339:b3154. doi:10.1136/bmj.b3154. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3272664/>
6. Chapman RW. Randomized clinical trial: macrogol/PEG 3350 plus electrolytes for treatment of patients with constipation associated with irritable bowel syndrome. *Am J Gastroenterol*. 2013 Sep;108(9):1508-15. doi: 10.1038/ajg.2013.197. Epub 2013 Jul 9. <https://www.ncbi.nlm.nih.gov/pubmed/23835436>
7. Videlock, Elizabeth J. et al. Effects of Linaclotide in Patients With Irritable Bowel Syndrome With Constipation or Chronic Constipation: A Meta-analysis. *Clinical Gastroenterology and Hepatology*.2013; 11(9):1084 - 1092.e3. [http://www.cghjournal.org/article/S1542-3565\(13\)00601-0/fulltext](http://www.cghjournal.org/article/S1542-3565(13)00601-0/fulltext)
8. Anthony J. Lembo, et al. Eluxadolone for Irritable Bowel Syndrome with Diarrhea. *N Engl J Med* 2016; 374:242-253 DOI: 10.1056/NEJMoa1505180 <http://www.nejm.org/doi/full/10.1056/NEJMoa1505180>
9. Pimentel, Mark et al. Rifaximin Therapy for Patients with Irritable Bowel Syndrome without Constipation. *N Engl J Med*. 2011; 364:22-32 do: 10.1056/NEJMoa1004409 <http://www.nejm.org/doi/full/10.1056/NEJMoa1004409>
10. Lembo, Anthony et al. Repeat Treatment With Rifaximin Is Safe and Effective in Patients With Diarrhea-Predominant Irritable Bowel Syndrome. *Gastroenterology*. 2016;151(6):1113 - 1121 [http://www.gastrojournal.org/article/S0016-5085\(16\)34926-5/fulltext](http://www.gastrojournal.org/article/S0016-5085(16)34926-5/fulltext)
11. Salix Pharmaceuticals, Inc. Xifaxan® tablets prescribing information. Raleigh, NC; 2015 Nov.
12. A Ford, P Moayyedi, W Chey, et al. American College of Gastroenterology Monograph on Management of Irritable Bowel Syndrome. *Am J Gastroenterol* (2018) 113:1-18. <https://doi.org/10.1038/s41395-018-0084-x>
13. FDA approved labeling for Zelnorm.
14. American Gastroenterological Association. Medical Position Statement on Constipation. *Gastroenterology*. 2013;144:211–217.
15. American College of Gastroenterology. ACG Clinical Guideline: Diagnosis, Treatment, and Prevention of Acute Diarrheal Infections in Adults. *American Journal of Gastroenterology*. 2015;111:602-622.
16. Infectious Diseases Society of America. 2017 Infectious Diseases Society of America Clinical Practice Guidelines for the Diagnosis and Management of Infectious Diarrhea. *Clinical Infectious Diseases*. 2017;65(12):e45-e80.
17. Food and Drug Administration. Information for Healthcare Professionals: Oral Sodium Phosphate (OSP) Products for Bowel Cleansing (marketed as Visicol and OsmoPrep, and oral sodium phosphate products available without a prescription). <http://www.fda.gov/Drugs/DrugSafety/PostmarketDrugSafetyInformationforPatientsandProviders/ucm126084.htm>. Updated August 15, 2013. Accessed December 5, 2016.
18. American College of Gastroenterology. Monograph on the Management of Irritable Bowel Syndrome and Chronic Idiopathic Constipation. *The American Journal of GASTROENTEROLOGY*. 2014;109(1):S2-S26.
19. American College of Gastroenterology. An Evidence-Based Review of Novel and Emerging Therapies for Constipation in Patients Taking Opioid Analgesics. *The American Journal of GASTROENTEROLOGY Supplements*. 2014;2(1):38-46.
20. American College of Gastroenterology. Opioid-Induced Bowel Dysfunction: Epidemiology, Pathophysiology, Diagnosis, and Initial Therapeutic Approach. *The American Journal of GASTROENTEROLOGY Supplements*. 2014;2(1):31-37.
21. American Academy of Family Physicians. Evaluation and Treatment of Constipation in Infants and Children. *American Family Physician*. 2006;73(3):469-477.
22. American Academy of Family Physicians. Evaluation and Treatment of Constipation in Children and Adolescents. *American Family Physician*. 2014;90(2):82-90.

23. American Academy of Family Physicians. Treatment of Constipation in Older Adults. *American Family Physician*. 2005;(72)11:2277-2284.
24. European Society for Pediatric Gastroenterology, Hepatology, and Nutrition (ESPGAHN) and North American Society for Pediatric Gastroenterology, Hepatology, and Nutrition (NASPGAHN). Evaluation and Treatment of Functional Constipation in Children. *JPGN*. 2014(2);58: 258–274.
25. Crockett S, Greer K, Heidelbaugh J, et al., American Gastroenterological Association Institute Guideline on the Medical Management of Opioid-Induced Constipation. *American Gastroenterological Association Institute Clinical Guidelines*. *Gastroenterology* 2019;156:218–226.
26. IBSRELA® Package Insert. https://www.accessdata.fda.gov/drugsatfda_docs/label/2019/211801s000lbl.pdf
27. Lacy, Brian E. PhD, MD, FACC; Pimentel, Mark MD, FACC; Brenner, Darren M. MD, FACC; Chey, William D. MD, FACC4; Keefer, Laurie A. PhD5; Long, Millie D. MDMPH, FACC (GRADE Methodologist)6; Moshiree, Baha MD, MSc, FACC7 ACC Clinical Guideline: Management of Irritable Bowel Syndrome, *The American Journal of Gastroenterology*: January 2021 - Volume 116 - Issue 1 - p 17-44 doi: 10.14309/ajg.0000000000001036

❖ **REVIEW & EDIT HISTORY**

Document Changes	Reference	Date	P&T Chairman
Creation of Policy	Amitiza and Laxatives 5-08.doc	5/2008	Allen Shek, PharmD BCPS
Updated Policy	Formulary Realignment 9-18-12.xlsx	9/2012	Allen Shek, PharmD BCPS
Creation of Policy	Biologics Class Review for Crohns 2013-2-19.docx	2/2013	Allen Shek, PharmD
Update to Policy	IBD Class Review 2-17-15.docx	2/2015	Jonathan Szkotak, PharmD
Updated Policy	HPSJ Coverage Policy - Gastrointestinal - Constipation 2015-05.docx	9/2015	Jonathan Szkotak, PharmD BCACP
Update to Policy	Class Review- Biologics, Apremilast, and Tofacitinib in Inflammatory Joint, Skin, and Bowel Diseases.docx	2/2016	Johnathan Yeh, PharmD
Updated Policy	HPSJ Coverage Policy - Gastrointestinal - Constipation 2016-12.docx	12/2016	Johnathan Yeh, PharmD
Update to Policy	HPSJ Coverage Policy – Gastrointestinal – Chronic Bowel Disease 2017-02.docx	2/2017	Johnathan Yeh, PharmD
Update to Policy	HPSJ Coverage Policy – Gastrointestinal – Chronic Bowel Disease 2018-02.docx	2/2018	Johnathan Yeh, PharmD
Updated Policy	HPSJ Coverage Policy - Gastrointestinal - Constipation 2018-09b.docx	09/2018	Johnathan Yeh, PharmD
Update to Policy	HPSJ Coverage Policy – Gastrointestinal – Chronic Bowel Disease 2019-05.docx	5/2019	Matthew Garrett, PharmD
Combined Policy	HPSJ Coverage Policy – Gastrointestinal – Acute and Chronic Bowel Disease 2020-05.docx	5/2020	Matthew Garrett, PharmD
Update to Policy	Acute and Chronic Bowel Disease	9/2021	Matthew Garrett, PharmD
Update to Policy	Acute and Chronic Bowel Disease	11/2022	Matthew Garrett, PharmD
Update to Policy	Acute and Chronic Bowel Disease	09/2023	Matthew Garrett, PharmD
Update to Policy	Acute and Chronic Bowel Disease	06/2024	Matthew Garrett, PharmD

Note: All changes are approved by the HPSJ/MVHP P&T Committee before incorporation into the utilization policy

