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Subject: Certolizumab Pegol (Cimzia®) Injection

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Dosage/ Administration	Position Statement	Billing/Coding	Reimbursement	Program Exceptions	Definitions
Related Guidelines	Other	References	Updates		

DESCRIPTION:

Certolizumab pegol (Cimzia) is one of five commercially available tumor necrosis factor (TNF) alpha inhibitors available, not counting biosimilars as separate products, in the United States. It was FDA approved for Crohn's disease in April 2008, for rheumatoid arthritis (RA) in May 2009, for psoriatic arthritis (PsA) in September 2013, for ankylosing spondylitis (AS) in October 2013, for plaque psoriasis in May 2018, and for non-radiographic axial spondyloarthritis (nr-AxSp) in March 2019. Tumor necrosis factor, a proinflammatory cytokine, initiates the body's defense response to local injury by stimulating the production of inflammatory mediators and signaling immune cells. TNF may augment host defense mechanisms when in low concentration, but large amounts of TNF can lead to excessive inflammation and tissue deterioration. In [rheumatoid arthritis](#), activated T-cells migrate into the synovial lining of the joint where TNF is released and joint destruction begins. The intestinal mucosa from patients with [Crohn's disease](#) or ulcerative colitis has been associated with high levels of TNF as compared to healthy individuals; a similar elevation in TNF has been demonstrated in patients with psoriasis.

RHEUMATOID DISORDERS

Ankylosing spondylitis (AS)

Ankylosing spondylitis (AS) is a form of chronic inflammatory arthritis characterized by sacroiliitis, enthesitis, and a marked propensity for sacroiliac joint and spinal fusion. AS is distinguished by universal involvement with sacroiliac joint inflammation or fusion and more prevalent spinal ankylosis. Goals of treatment for AS are to reduce symptoms, maintain spinal flexibility and normal posture, reduce functional limitations, maintain work ability, and decrease disease complications. The mainstay of treatment has been NSAIDs and exercise, with the additional use of DMARDs in patients with peripheral

arthritis. The American College of Rheumatology (ACR), Spondylitis Association of America (SAA), and Spondyloarthritis Research and Treatment Network (SPARTAN) recommend the following pharmacological treatment for AS:

- Stable AS: First line therapy with on demand NSAIDs; there is also a conditional recommendation for continuation of TNF inhibitor as monotherapy
- Active AS:
 - First line therapy with continuous NSAIDs and physical therapy
 - TNF inhibitor recommended for patients with active AS despite an adequate trial with NSAIDs
 - Lack of response (or intolerance) to at least 2 different NSAIDs over 1 month or incomplete response to at least 2 different NSAIDs over 2 months would be an adequate NSAID trial to judge response
 - Recommendations for nonresponse to TNF therapy (all conditional):
 - Primary nonresponse: switch to secukinumab or ixekizumab over another TNF
 - Secondary nonresponse: switch to another TNF over a non-TNF biologic
 - Recommend against addition of sulfasalazine or MTX
 - Recommend against switching to a biosimilar of the failed TNF
 - TNF-inhibitors are conditionally recommended over secukinumab or ixekizumab
 - Secukinumab or ixekizumab are conditionally recommended over DMARDs in patients that have failed NSAIDs and have contraindications to TNF-inhibitors
 - DMARDs (i.e., methotrexate [MTX], sulfasalazine, leflunomide, pamidronate, thalidomide, apremilast) are only conditionally recommended in patients that have failed NSAIDs and have contraindications to TNF-inhibitors
 - Methotrexate is not recommended as add on therapy to TNF inhibitors in stable and active AS
 - If patient has concomitant inflammatory bowel disease (IBD) or recurrent uveitis, TNF-inhibitors are recommended over other biologics
 - Glucocorticoids are not recommended

Nonradiographic Axial Spondyloarthritis (nr-axSpA)

Nonradiographic axial spondyloarthritis (nr-axSpA) falls under the same spondyloarthritis family as ankylosing spondylitis (AS). Nr-axSpA includes patients with chronic back pain and features suggestive of spondyloarthritis (SpA), but do not meet the classification of AS. The goals of treatment are to reduce symptoms, maintain spinal flexibility and normal posture, reduce functional limitations, maintain work ability, and decrease disease complications. The mainstay of treatment has been NSAIDs and exercise, with the additional use of DMARDs in patients with peripheral arthritis. The American College of Rheumatology (ACR), Spondylitis Association of America (SAA), and Spondyloarthritis Research and Treatment Network (SPARTAN) recommendation for nr-axSpA are the same as AS:

- Stable SpA: conditional recommendation for on-demand treatment with NSAIDs
- Active SpA:

- First line therapy with continuous NSAIDs and physical therapy
- TNF inhibitor conditionally recommended for patients with active SpA despite an adequate trial with NSAIDs
 - Lack of response (or intolerance) to at least 2 different NSAIDs over 1 month or incomplete response to at least 2 different NSAIDs over 2 months would be an adequate NSAID trial to judge response
- TNF-inhibitors are conditionally recommended over secukinumab or ixekizumab
- Secukinumab or ixekizumab are conditionally recommended over DMARDs in patients that have failed NSAIDs and have contraindications to TNF-inhibitors
- Recommendations for nonresponse to TNF therapy (all conditional):
 - Primary nonresponse: switch to secukinumab or ixekizumab over another TNF
 - Secondary nonresponse: switch to another TNF over a non-TNF biologic
 - Recommend against addition of sulfasalazine or MTX
 - Recommend against switching to a biosimilar of the failed TNF
- DMARDs (i.e., methotrexate, sulfasalazine, leflunomide, pamidronate, thalidomide, apremilast) are only conditionally recommended in patients that have failed NSAIDs and have contraindications to TNF-inhibitors
- Methotrexate is not recommended as add on therapy to TNF inhibitors in stable and active AS
- If patient has concomitant inflammatory bowel disease or recurrent uveitis, TNF-inhibitors are recommended over other biologics
- Glucocorticoids are not recommended

Rheumatoid arthritis (RA)

Rheumatoid arthritis (RA) is the most common inflammatory autoimmune arthritis in adults. The main goal of therapy is to achieve remission, but additional goals include decrease inflammation, relieve symptoms, prevent joint and organ damage, improve physical function/overall well-being, and reduce long term complications. The choice of therapy depends on several factors, including the severity of disease activity when therapy is initiated and the response of the patient to prior therapeutic interventions.

American College of Rheumatology (ACR) guidelines list the following guiding principles in the treatment of RA:

- RA requires early evaluation, diagnosis, and management
- Treatment decisions should follow a shared decision-making process
- Treatment decisions should be reevaluated within a minimum of 3 months based on efficacy and tolerability of the DMARD(s) chosen
- Recommendations are limited to DMARDs approved by the US FDA for treatment of RA:
 - csDMARDs: hydroxychloroquine, sulfasalazine, methotrexate (MTX), leflunomide

- bDMARDs: TNF inhibitors (etanercept, adalimumab, infliximab, golimumab, certolizumab pegol), T cell costimulatory inhibitor (abatacept), IL-6 receptor inhibitors (tocilizumab, sarilumab), anti-CD20 antibody (rituximab)
- tsDMARDs: JAK inhibitors (tofacitinib, baricitinib, upadacitinib)
- Triple therapy refers to hydroxychloroquine, sulfasalazine, and either methotrexate or leflunomide
- Biosimilars are considered equivalent to FDA-approved originator bDMARDs
- Recommendations referring to bDMARDs exclude rituximab unless patients have had an inadequate response to TNF inhibitors (in order to be consistent with FDA approval) or have a history of lymphoproliferative disorder for which rituximab is an approved therapy
- Treat-to-target refers to a systematic approach involving frequent monitoring of disease activity using validated instruments and modifications of treatment to minimize disease activity with the goal of reaching a predefined target (low disease activity or remission)

ACR guidelines are broken down by previous treatment and disease activity:

- DMARD-naïve patients with moderate-to-high disease activity initial treatment:
 - MTX monotherapy is strongly recommended over hydroxychloroquine, sulfasalazine, bDMARDs monotherapy, tsDMARD monotherapy, or combination of MTX plus a non-TNF bDMARD or tsDMARD
 - MTX monotherapy is conditionally recommended over leflunomide, dual or triple csDMARD therapy, or combination MTX plus a TNF inhibitor
- DMARD-naïve patients with low disease activity initial treatment
 - Hydroxychloroquine is conditionally recommended over other csDMARDs
 - Sulfasalazine is conditionally recommended over MTX
 - MTX is conditionally recommended over leflunomide
- Initial therapy in csDMARD-treated patients, but MTX naïve, with moderate-to high disease activity:
 - MTX monotherapy is conditionally recommended over combination MTX and a bDMARD or tsDMARD
- Treatment Modifications in patients treated with DMARDs who are not at target:
 - Addition of a bDMARD or tsDMARD is conditionally recommended over triple therapy for patients taking maximally tolerated doses of MTX who are not at target
 - Switching to a bDMARD or tsDMARD of a different class is conditionally recommended over switching to a bDMARD or tsDMARD belonging to the same class for patients taking a bDMARD or tsDMARD who are not at target

Early use of DMARD, particularly MTX, is recommended as soon as possible following diagnosis of RA. Dosing of MTX for RA is once weekly dosing with starting doses at 7.5 mg or 15 mg once weekly. MTX dose is increased as tolerated and as needed to control symptoms and signs of RA disease. The usual target dose is at least 15 mg weekly and the usual maximum dose is 25 mg weekly. ACR defines optimal dosing for RA treatments as 1) dosing to achieve a therapeutic target derived from mutual patient-clinician consideration of patient priorities and 2) given for at least 3 months before therapy escalation

or switching. For patients who are unable to take MTX, hydroxychloroquine, sulfasalazine, or leflunomide are other DMARD options. In patients resistant to initial MTX treatment, combination DMARD (e.g., MTX plus sulfasalazine or hydroxychloroquine or a TNF-inhibitor) is recommended.

For patients who are resistant to MTX after 3 months of treatment at optimal doses (usually 25 mg per week), it is recommended to either use DMARD triple therapy with MTX plus sulfasalazine and hydroxychloroquine or combination of MTX with TNF inhibitor. Triple therapy regimen has been found to be of similar clinical efficacy to MTX with biologics in several randomized trials, including in patients with high level of disease activity or with adverse prognostic features. The use of triple therapy has been shown to be highly cost-effective compared with combining a biologic with MTX, providing comparable or near comparable clinical benefit. The use of biologic with MTX combination is preferred when patients have high disease activity and clinical benefit from a more rapid response is needed and when patients who do not achieve satisfactory response within 3 months with non-biologic triple therapy following an inadequate response to MTX therapy.

Psoriatic Arthritis (PsA)

Psoriatic arthritis (PsA) is a chronic inflammatory musculoskeletal disease associated with psoriasis, most commonly presenting with peripheral arthritis, dactylitis, enthesitis, and spondylitis. Treatment involves the use of a variety of interventions, including many agents used for the treatment of other inflammatory arthritis, particularly spondyloarthritis and RA, and other management strategies of the cutaneous manifestations of psoriasis.

The American Academy of Dermatology (AAD) recommends initiating MTX in most patients with moderate to severe PsA. After 12 to 16 weeks of MTX therapy with appropriate dose escalation, the AAD recommends adding or switching to a TNF inhibitor if there is minimal improvement on MTX monotherapy.

The American College of Rheumatology (ACR) and the National Psoriasis Foundation (NPF) guidelines for PsA recommend a treat-to-target approach in therapy, regardless of disease activity, and the following:

- Active PsA is defined as symptoms at an unacceptably bothersome level as reported by the patient and health care provider to be due to PsA based on the presence of one of the following:
 - Actively inflamed joints
 - Dactylitis
 - Enthesitis
 - Axial disease
 - Active skin and/or nail involvement
 - Extraarticular manifestations such as uveitis or inflammatory bowel disease
- Disease severity includes level of disease activity at a given time point and the presence/absence of poor prognostic factors and long-term damage
- Severe PsA disease includes the presence of 1 or more of the following:
 - Erosive disease

- Elevated markers of inflammation (ESR, CRP) attributable to PsA
- Long-term damage that interferes with function (i.e., joint deformities)
- Highly active disease that causes a major impairment in quality of life
- Active PsA at many sites including dactylitis, enthesitis
- Function limiting PsA at a few sites
- Rapidly progressive disease
- Symptomatic treatments include nonsteroidal anti-inflammatory drugs (NSAIDs), glucocorticoids, local glucocorticoid injections
- Treatment recommendations for active disease:
 - Treatment naïve patients first line options include oral small molecules (OSM), TNF biologics, IL-17 inhibitor, and IL-12/23 inhibitor
 - OSM (i.e., methotrexate [MTX], sulfasalazine, cyclosporine, leflunomide, apremilast) should be considered if the patient does not have severe PsA, does not have severe psoriasis, prefers oral therapy, has concern over starting a biologic, or has contraindications to TNF inhibitor
 - Biologics (i.e., TNF biologic, IL-17 inhibitor, IL-12/23 inhibitor) are recommended as a first line option in patients with severe PsA and/or severe psoriasis
 - Previous treatment with OSM and continued active disease:
 - Switch to a different OSM (except apremilast) in patients without severe PsA or severe PS, contraindications to TNF biologics, prefers oral therapy **OR** add on apremilast to current OSM therapy
 - May add another OSM (except apremilast) to current OSM therapy for patients that have exhibited partial response to current OSM in patients without severe PsA or severe PS, contraindications to TNF biologics, or prefers oral therapy
 - Biologic (i.e., TNF biologic, IL-17 inhibitor, IL-12/23 inhibitor) monotherapy
 - Previous treatment with a biologic (i.e., TNF biologic, IL-17 inhibitor, IL-12/23 inhibitor) and continued active disease:
 - Switch to another biologic (i.e., TNF biologic, IL-17 inhibitor, IL-12/23 inhibitor, abatacept, or tofacitinib) monotherapy or add MTX to the current TNF biologic

DERMATOLOGICAL DISORDERS

Psoriasis (PS)

Psoriasis (PS) is a chronic inflammatory skin condition that is often associated with systemic manifestations, especially arthritis. Diagnosis is usually clinical, based on the presence of typical erythematous scaly patches, papules, and plaques that are often pruritic and sometimes painful.

Treatment goals for psoriasis include improvement of skin, nail, and joint lesions plus enhanced quality of life.

The American Academy of Family Physicians (AAFP) categorizes psoriasis severity into mild to moderate (less than 5% of body surface area [BSA]) and moderate to severe (5% or more of BSA). The AAFP psoriasis treatment guidelines recommend basing treatment on disease severity:

- Mild to moderate (less than 5% of BSA and sparing the genitals, hands, feet, and face):
 - Candidate for intermittent therapy: topical corticosteroids, vitamin D analogs (calcipotriene and calcitriol), or tazarotene (Tazorac)
 - Candidate for continuous therapy: calcineurin inhibitors (tacrolimus and pimecrolimus)
- Severe (5% or more of BSA or involving the genitals, hands, feet, and face):
 - Less than 20% of BSA affected: vitamin D analogs (calcipotriene and calcitriol) with or without phototherapy. These agents have a slower onset of action but a longer disease-free interval than topical corticosteroids
 - 20% or more of BSA affected: systemic therapy with MTX, cyclosporine, acitretin, or biologics. Biologics are recommended for those with concomitant PsA
- Less commonly used topical therapies include non-medicated moisturizers, salicylic acid, coal tar, and anthralin

The American Academy of Dermatology (AAD) and National Psoriasis Foundation (NPF) categorize psoriasis severity as limited or mild (less than 3% of BSA), moderate (3% to 10% of BSA), or severe (greater than 10% of BSA). The AAD/NPF guidelines also note that psoriasis can be considered severe irrespective of BSA when it occurs in select locations (e.g., hands, feet, scalp, face, or genital area) or when it causes intractable pruritus. The AAD psoriasis treatment guidelines recommend the following:

- Limited disease (less than 5% of BSA):
 - Topical corticosteroids are first line as either monotherapy or in conjunction with non-steroidal topical agents
 - Vitamin D analogs, calcipotriene, calcipotriol, and calcitriol, are other first line agents and are often used in combination with topical corticosteroids
 - Tazarotene is a corticosteroid sparing agent and can be used in combination with topical corticosteroids to produce a synergistic effect and longer durations of treatment benefit and remission
 - Phototherapy is another first line option for limited disease, and allows for selective targeting of localized lesions and resistant areas such as the scalp and skin folds, leaving surrounding, non-lesional skin unaffected
 - Calcineurin inhibitors (tacrolimus and pimecrolimus) may also be considered first line for intertriginous, inverse, face, and genital psoriasis
 - Systemic agents are considered second line and only for short term use
- Moderate to severe disease without PsA (more than 5% of BSA or psoriasis in vulnerable areas [e.g., face, genitals, hands, and feet] that adversely affects quality of life):
 - UV-therapy is considered first line as monotherapy or in combination with acitretin or MTX
 - If UV-therapy is unavailable, first line therapies include MTX, cyclosporine, acitretin, and biologics

- Second line systemic agents include leflunomide, sulfasalazine, and tacrolimus
- Biologics are routinely used when one or more traditional systemic agents fail to produce adequate response, but are considered first line in patients with moderate to severe psoriasis with concomitant severe PsA

The National Psoriasis Foundation (NPF) medical board recommend a treat-to-target approach to therapy for psoriasis that include the following:

- The preferred assessment instrument for determining disease severity is BSA
- Target response after treatment initiation should be BSA $\leq 1\%$ after 3 months
- Acceptable response is either a BSA $\leq 3\%$ or a BSA improvement $\geq 75\%$ from baseline at 3 months after treatment initiation

INFLAMMATORY BOWEL DISEASE

Crohn's Disease (CD)

Crohn's Disease (CD) is an inflammatory condition that can affect any portion of the gastrointestinal tract from the mouth to the perianal area. Choice of therapy is dependent on the anatomic location of disease, the severity of disease, and whether the treatment goal is to induce remission or maintain remission. The American Gastroenterological Association (AGA) 2021 guideline recommends the following:

- Biologic therapy:
 - The AGA suggest early introduction with a biologic, with or without an immunomodulator, rather than delaying their use until after failure of 5-aminosalicylates and/or corticosteroids
 - Anti-TNF (i.e., infliximab or adalimumab) and ustekinumab are recommended over no treatment for the induction and maintenance of remission
 - Vedolizumab is suggested over no treatment for the induction and maintenance of remission
 - AGA suggests against the use of natalizumab over no treatment for the induction and maintenance of remission
 - Patients naïve to biologic therapy, the AGA recommends infliximab, adalimumab, or ustekinumab over certolizumab pegol and suggests the use of vedolizumab over certolizumab pegol for the induction of remission
 - Patients with primary non-response to anti-TNF, the AGA recommends ustekinumab and suggests vedolizumab for induction of remission
 - Patients with secondary non-response to infliximab, the AGA recommends use of adalimumab or ustekinumab and suggests the use of vedolizumab for the induction of remission (if adalimumab was the first line drug, there is indirect evidence to suggest using infliximab as a second-line agent)
- DMARD therapy:
 - Corticosteroids are suggested over no treatment for the induction of remission, and are recommended against for maintenance of remission

- Patients in corticosteroid induced remission or with quiescent moderate to severe CD, the AGA suggests thiopurines for maintenance of remission
- Subcutaneous or intramuscular methotrexate are suggested over no treatment for the induction and maintenance of remission
- The AGA recommends against the use of 5-aminosalicylates or sulfasalazine over no treatment for the induction or maintenance of remission
- The AGA suggests against the use of thiopurines over no treatment for achieving remission and recommends biologic drug monotherapy over thiopurine monotherapy for induction of remission
- The AGA suggests against the use of oral methotrexate monotherapy over no treatment for the induction and maintenance of remission
- Combination therapy:
 - Patients that are naïve to biologics and immunomodulators, the AGA suggest use of infliximab in combination with thiopurines over infliximab monotherapy for the induction and maintenance of remission (combination infliximab with methotrexate may be more effective over infliximab monotherapy)
 - Patients that are naïve to biologics and immunomodulators, the AGA suggest use of adalimumab in combination with thiopurines over adalimumab monotherapy for the induction and maintenance of remission (combination adalimumab with methotrexate may be more effective over adalimumab monotherapy)
 - No recommendations are being made regarding the use of ustekinumab or vedolizumab in combination with thiopurines or methotrexate over biologic monotherapy for induction or maintenance or remission

The 2018 American College of Gastroenterology (ACG) guidelines recommend the following:

- Mild to moderately severe disease/low risk disease:
 - Sulfasalazine (in doses of 3-6 grams daily) is effective in colonic and/or ileocolonic CD, but not those with isolated small bowel disease
 - 5-aminosalicylic (ASA) suppositories and enema preparations are effective for induction and maintenance of remission in rectal and sigmoid disease
 - Conventional corticosteroids are primarily used for the treatment of flares, and are often used as a bridge until immunomodulators and/or biologic agents become effective
 - Controlled ileal release budesonide is effective for induction of remission in ileocecal disease
- Moderate to severe disease/moderate to high risk disease
 - Corticosteroids are effective for short-term use in alleviating signs and symptoms of moderate to severely active CD, but do not induce mucosal healing and should be used sparingly
 - Azathioprine, 6-mercaptopurine, or MTX (15 mg once weekly) may be used in treatment of active disease and as adjunctive therapy for reducing immunogenicity against biologic therapy

- TNF inhibitors should be used to treat CD that is resistant to treatment with corticosteroids and that is refractory to thiopurines or MTX
- Vedolizumab with or without an immunomodulator should be considered for induction of symptomatic remission for patients with moderate to severely active CD and objective evidence of active disease
- Ustekinumab should be used in patients that have failed previous treatment with corticosteroids, thiopurines, MTX, or TNF inhibitors, or in patients with no prior TNF inhibitor exposure
- Severe/fulminant disease:
 - IV corticosteroids should be used
 - TNF inhibitors can be considered
- Maintenance therapy:
 - Thiopurines or methotrexate should be considered once remission is induced with corticosteroids
 - TNF inhibitors, specifically infliximab, adalimumab, and certolizumab pegol, should be used in combination with azathioprine, MTX, or 6-mercaptopurine to maintain remission of TNF induced remission
 - Vedolizumab should be used for maintenance of remission of vedolizumab induced remission
 - Ustekinumab should be used for maintenance of remission of ustekinumab induced remission

POSITION STATEMENT:

Site of Care: If certolizumab pegol (Cimzia) is administered in a hospital-affiliated outpatient setting, additional requirements may apply depending on the member’s benefit. Refer to [09-J3000-46: Site of Care Policy for Select Specialty Medications](#).

Comparative Effectiveness

The Food and Drug Administration has deemed the drug(s) or biological product(s) in this coverage policy to be appropriate for self-administration or administration by a caregiver (i.e., not a healthcare professional). Therefore, coverage (i.e., administration) in a provider-administered setting such as an outpatient hospital, ambulatory surgical suite, physician office, or emergency facility is not considered medically necessary.

NOTE: The self-administered products with prerequisites for certain indications are as follows:

Table 1

Disease State	Step 1		Step 2 (Directed to ONE step 1 agent)	Step 3a (Directed to TWO step 1 agents)	Step 3b (Directed to TWO agents from step 1 and/or step 2)	Step 3c (Directed to THREE step 1 agents)
	Step 1a	Step 1b (Directed to ONE TNF inhibitor) NOTE: Please see Step 1a for				

		preferred TNF inhibitors				
Rheumatoid Disorders						
Ankylosing Spondylitis (AS)	SQ: Cosentyx, Enbrel, Humira	Oral: Rinvoq, Xeljanz, Xeljanz XR	N/A	SQ: Cimzia , Simponi, Taltz	N/A	N/A
Nonradiographic Axial Spondyloarthritis (nr-axSpA)	SQ: Cimzia, Cosentyx	Oral: Rinvoq	N/A	SQ: Taltz	N/A	N/A
Polyarticular Juvenile Idiopathic Arthritis (PJIA)	SQ: Enbrel, Humira	Oral: Xeljanz	SQ: Actemra (Humira is required Step 1 agent)	N/A	SQ: Orencia	N/A
Psoriatic Arthritis (PsA)	SQ: Cosentyx, Enbrel, Humira, Skyrizi, Stelara, Tremfya Oral: Otezla	Oral: Rinvoq, Xeljanz, Xeljanz XR	N/A	SQ: Cimzia , Orencia, Simponi, Taltz	N/A	N/A
Rheumatoid Arthritis	SQ: Enbrel, Humira	Oral: Rinvoq, Xeljanz, Xeljanz XR	SQ: Actemra (Humira is required Step 1 agent)	Oral: Olumiant SQ: Cimzia , Kevzara, Kineret, Orencia, Simponi	N/A	N/A
Dermatological Disorders						
Hidradenitis Suppurativa (HS)	SQ: Humira	N/A	N/A	N/A	N/A	N/A
Psoriasis (PS)	SQ: Cosentyx, Enbrel, Humira, Skyrizi, Stelara, Tremfya Oral: Otezla	N/A	N/A	SQ: Cimzia , Ilumya	N/A	SQ: Siliq, Taltz Oral: Sotyktu
Inflammatory Bowel Disease						
Crohn's Disease	SQ: Humira, Skyrizi, Stelara	N/A	N/A	SQ: Cimzia (Humira is a required Step 1 agent)	N/A	N/A
Ulcerative Colitis	SQ: Humira, Stelara	Oral: Rinvoq (Humira is required Step 1 agent), Xeljanz, Xeljanz XR (Humira is required Step 1 agent)	SQ: Simponi (Humira is required Step 1 agent)	N/A	Zeposia (Humira, Rinvoq, Stelara, OR Xeljanz/Xeljanz XR are required Step agents)	N/A
Other						
Uveitis	SQ: Humira	N/A	N/A	N/A	N/A	N/A
Indications Without Prerequisite Biologic Immunomodulators						
Alopecia Areata (AA)	N/A	N/A	N/A	N/A	N/A	N/A
Atopic Dermatitis	N/A	N/A	N/A	N/A	N/A	N/A

Deficiency of IL-1 Receptor Antagonist (DIRA)						
Enthesitis-Related Arthritis (ERA)						
Giant Cell Arteritis (GCA)						
Neonatal-Onset Multisystem Inflammatory Disease (NOMID)						
Systemic Juvenile Idiopathic Arthritis (SJIA)						
Systemic Sclerosis-associated Interstitial Lung Disease (SSc-ILD)						

*Note: A trial of either or both Xeljanz products (Xeljanz and Xeljanz XR) collectively counts as **ONE** product

Initiation of certolizumab pegol (Cimzia) meets the definition of medical necessity when **ALL** of the following are met (“1” to “6”):

1. **ONE** of the following (“a”, “b”, or “c”):
 - a. Information has been provided that indicates the member has been treated with certolizumab pegol (starting on samples is not approvable) within the past 90 days
 - b. The prescriber states the member has been treated with certolizumab pegol (starting on samples is not approvable) within the past 90 days **AND** is at risk if therapy is changed
 - c. **BOTH** of the following (“i” and “ii”):
 - i. Certolizumab pegol will be used for the treatment of an indication listed in Table 2, and **ALL** of the indication-specific criteria are met
 - ii. **EITHER** of the following (“I” or “II”)
 - I. The member’s age is within FDA labeling for the requested indication for certolizumab pegol
 - II. The prescriber has provided information in support of using certolizumab pegol for the member’s age
2. The prescriber is a specialist in the area of the member’s diagnosis (e.g., rheumatologist for PsA, RA; gastroenterologist for CD; dermatologist for PS) or the prescriber has consulted with a specialist in the area of the member’s diagnosis
3. Member does **NOT** have any FDA labeled contraindications to certolizumab pegol
4. Member has been tested for latent tuberculosis (TB) **AND**, if positive, the member has begun therapy for latent TB
5. Member will **NOT** be using certolizumab pegol in combination with another biologic immunomodulator agent (full list in “Other” section); Janus kinase (JAK) inhibitor [Cibinqo

(abrocitinib), Olumiant (baricitinib), Opzelura (ruxolitinib), Rinvoq (upadacitinib), Xeljanz (tofacitinib), and Xeljanz XR (tofacitinib extended release)]; Otezla (apremilast); Sotyktu (deucravacitinib); or Zeposia (ozanimod)

6. **ANY** of the following (“a”, “b”, or “c”):

a. The dosage does not exceed:

- Loading dose:

- AS, nr-axSpA: Initial dose of 400 mg on day 1 and at week 2 and week 4, followed by maintenance doses starting 2 or 4 weeks later
 - QL: 6 X 200 mg/mL syringe, starter kit - 1 starter kit (3 doses)/180 days
- CD: Initial dosing of 400 mg on day 1 and at week 2 and week 4, followed by maintenance doses starting 4 weeks later
 - QL: 6 X 200 mg/mL syringe, starter kit - 1 starter kit (3 doses)/180 days
- PsA and RA: Initial dosing of 400 mg on day 1 and at week 2 and week 4, followed by maintenance doses starting 2 or 4 weeks later
 - QL: 6 X 200 mg/mL syringe, starter kit - 1 starter kit (3 doses)/180 days
- PS: member’s body weight ≤90 kg – initial dose of 400 mg on day 1 and at week 2 and week 4, followed by maintenance doses starting 2 weeks later
 - QL: 6 X 200 mg/mL syringe, starter kit - 1 starter kit (3 doses)/180 days

- Maintenance dose - 400 mg every 2 weeks (14 days)

- QL: 2 x 200 mg/mL syringe, kit - 2 kits/28 days

b. The requested quantity (dose) is greater than program’s quantity limit but does **NOT** exceed the maximum FDA labeled dose **OR** the maximum compendia-supported dose (i.e., DrugDex with 1 or 2a level of evidence, AHFS, or NCCN compendium recommended use 1 or 2a) for the requested indication, **AND** the requested quantity (dose) cannot be achieved with a lower quantity of a higher strength and/or package size that does not exceed the program quantity limit

c. The requested quantity (dose) is greater than the program’s quantity limit and greater than the maximum FDA labeled dose **AND** the maximum compendia-supported dose (i.e., DrugDex with 1 or 2a level of evidence, AHFS, or NCCN compendium recommended use 1 or 2a) for the requested indication, **AND** the prescriber has provided information in support of therapy with a higher dose for the requested indication (submitted copy required, e.g., clinical trials, phase III studies, guidelines required)

Approval duration: Loading dose (doses on day 1, 15, and 29) for 1 month, then maintenance dose for 11 additional months [12 months for total duration of approval]

Table 2

Diagnosis	Criteria
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Moderately to severely active rheumatoid arthritis (RA)

BOTH of the following:

1. **ONE** of the following:

a. The member has tried and had an inadequate response to maximally tolerated methotrexate (e.g., titrated to 25 mg weekly) for at least 3 months

OR

b. The member has tried and had an inadequate response to another conventional agent (i.e., hydroxychloroquine, leflunomide, sulfasalazine) used in the treatment of RA for at least 3-months

OR

c. The member has an intolerance or hypersensitivity to **ONE** of the following conventional agents (i.e., maximally tolerated methotrexate, hydroxychloroquine, leflunomide, sulfasalazine) used in the treatment of RA

OR

d. The member has an FDA labeled contraindication to **ALL** of the following conventional agents (i.e., methotrexate, hydroxychloroquine, leflunomide, sulfasalazine) used in the treatment of RA

OR

e. The member's medication history indicates use of another biologic immunomodulator agent that is FDA labeled or supported in DrugDex with 1 or 2a level of evidence or AHFS for the treatment of RA

AND

2. **ANY** of the following*:

a. The member has tried and had an inadequate response to at least **TWO** of the following for at least 3 months:

- Enbrel (etanercept)
- Humira (adalimumab)
- Rinvoq (upadacitinib)
- Xeljanz/Xeljanz XR (tofacitinib)

OR

b. The member has an intolerance (defined as an intolerance to the drug or its excipients, not to the route of administration) or hypersensitivity to at least **TWO** of the following:

	<ul style="list-style-type: none"> • Enbrel (etanercept) • Humira (adalimumab) • Rinvoq (upadacitinib) • Xeljanz/Xeljanz XR (tofacitinib) <p>c. The member has an FDA labeled contraindication to ALL of the following:</p> <ul style="list-style-type: none"> • Enbrel (etanercept) • Humira (adalimumab) • Rinvoq (upadacitinib) • Xeljanz/Xeljanz XR (tofacitinib) <p>OR</p> <p>d. The prescriber has provided information indicating why ALL of the following are not clinically appropriate for the member, AND the prescriber has provided a complete list of previously tried agents for the requested indication:</p> <ul style="list-style-type: none"> • Enbrel (etanercept) • Humira (adalimumab) • Rinvoq (upadacitinib) • Xeljanz/Xeljanz XR (tofacitinib)
Active psoriatic arthritis (PsA)	<p>BOTH of the following:</p> <p>1. ONE of the following:</p> <p>a. The member has tried and had an inadequate response to ONE conventional agent (i.e., cyclosporine, leflunomide, methotrexate, sulfasalazine) used in the treatment of PsA for at least 3 months</p> <p>OR</p> <p>b. The member has an intolerance or hypersensitivity to ONE of the conventional agents used in the treatment of PsA</p> <p>OR</p> <p>c. The member has an FDA labeled contraindication to ALL of the conventional agents used in the treatment of PsA</p> <p>OR</p> <p>d. The member has severe active PsA (e.g., erosive disease, elevated markers of inflammation [e.g., ESR, CRP] attributable to PsA, long-</p>

term damage that interferes with function [i.e., joint deformities], rapidly progressive)

OR

- e. The member has concomitant severe psoriasis (PS) (e.g., greater than 10% body surface area involvement, occurring on select locations [i.e., hands, feet, scalp, face, or genitals], intractable pruritus, serious emotional consequences)

OR

- f. The member's medication history indicates use of another biologic immunomodulator agent OR Otezla that is FDA labeled or supported in DrugDex with 1 or 2a level of evidence or AHFS for the treatment of PsA

AND

2. **ANY** of the following*:

- a. The member has tried and had an inadequate response to at least **TWO** of the following for at least 3 months:

- Cosentyx (secukinumab)
- Enbrel (etanercept)
- Humira (adalimumab)
- Otezla (apremilast)
- Rinvoq (upadacitinib)
- Skyrizi (risankizumab-rzaa)
- Stelara (ustekinumab)
- Tremfya (guselkumab)
- Xeljanz/Xeljanz XR (tofacitinib)

OR

- b. The member has an intolerance (defined as an intolerance to the drug or its excipients, not to the route of administration) or hypersensitivity to **TWO** of the following:

- Cosentyx (secukinumab)
- Enbrel (etanercept)
- Humira (adalimumab)
- Otezla (apremilast)
- Rinvoq (upadacitinib)
- Skyrizi (risankizumab-rzaa)

	<ul style="list-style-type: none"> • Stelara (ustekinumab) • Tremfya (guselkumab) • Xeljanz/Xeljanz XR (tofacitinib) <p>OR</p> <p>c. The member has an FDA labeled contraindication to ALL of the following:</p> <ul style="list-style-type: none"> • Cosentyx (secukinumab) • Enbrel (etanercept) • Humira (adalimumab) • Otezla (apremilast) • Rinvoq (upadacitinib) • Skyrizi (risankizumab-rzaa) • Stelara (ustekinumab) • Tremfya (guselkumab) • Xeljanz/Xeljanz XR (tofacitinib) <p>OR</p> <p>d. The prescriber has provided information indicating why ALL of the following are not clinically appropriate for the member, AND the prescriber has provided a complete list of previously tried agents for the requested indication:</p> <ul style="list-style-type: none"> • Cosentyx (secukinumab) • Enbrel (etanercept) • Humira (adalimumab) • Otezla (apremilast) • Rinvoq (upadacitinib) • Skyrizi (risankizumab-rzaa) • Stelara (ustekinumab) • Tremfya (guselkumab) • Xeljanz/Xeljanz XR (tofacitinib)
<p>Moderate to severe plaque psoriasis (PS)</p>	<p>BOTH of the following:</p> <p>1. ONE of the following:</p> <p>a. The member has tried and had an inadequate response to ONE conventional agent (i.e., acitretin, anthralin, calcipotriene, calcitriol,</p>

coal tar products, cyclosporine, methotrexate, pimecrolimus, PUVA [phototherapy], tacrolimus, tazarotene, topical corticosteroids) used in the treatment of PS for at least 3 months

OR

- b. The member has an intolerance or hypersensitivity to **ONE** conventional agent used in the treatment of PS

OR

- c. The member has an FDA labeled contraindication to **ALL** conventional agents used in the treatment of PS

OR

- d. The member has severe active PS (e.g., greater than 10% body surface area involvement, occurring on select locations [i.e., hands, feet, scalp, face, or genitals], intractable pruritus, serious emotional consequences)

OR

- e. The member has concomitant severe psoriatic arthritis (PsA) (e.g., erosive disease, elevated markers of inflammation [e.g., ESR, CRP] attributable to PsA, long-term damage that interferes with function [i.e., joint deformities], rapidly progressive)

OR

- f. The member's medication history indicates use of another biologic immunomodulator agent **OR** Otezla that is FDA labeled or supported in DrugDex with 1 or 2a level of evidence or AHFS for the treatment of PS

AND

2. **ANY** of the following*:

- a. The member has tried and had an inadequate response to at least **TWO** of the following for at least 3 months:

- Cosentyx (secukinumab)
- Enbrel (etanercept)
- Humira (adalimumab)
- Otezla (apremilast)
- Skyrizi (risankizumab)
- Stelara (ustekinumab)
- Tremfya (guselkumab)

OR

b. The member has an intolerance (defined as an intolerance to the drug or its excipients, not to the route of administration) or hypersensitivity to **TWO** of the following:

- Cosentyx (secukinumab)
- Enbrel (etanercept)
- Humira (adalimumab)
- Otezla (apremilast)
- Skyrizi (risankizumab)
- Stelara (ustekinumab)
- Tremfya (guselkumab)

OR

c. The member has an FDA labeled contraindication to **ALL** of the following:

- Cosentyx (secukinumab)
- Enbrel (etanercept)
- Humira (adalimumab)
- Otezla (apremilast)
- Skyrizi (risankizumab)
- Stelara (ustekinumab)
- Tremfya (guselkumab)

OR

d. The prescriber has provided information indicating why **ALL** of the following are not clinically appropriate for the member, **AND** the prescriber has provided a complete list of previously tried agents for the requested indication:

- Cosentyx (secukinumab)
- Enbrel (etanercept)
- Humira (adalimumab)
- Otezla (apremilast)
- Skyrizi (risankizumab)
- Stelara (ustekinumab)
- Tremfya (guselkumab)

Moderately to severely active Crohn's disease (CD)

BOTH of the following:

1. **ONE** of the following:

a. The member has tried and had an inadequate response to **ONE** conventional agent (i.e., 6-mercaptopurine, azathioprine, corticosteroids [e.g., prednisone, budesonide EC capsule], methotrexate) used in the treatment of CD for at least 3 months

OR

b. The member has an intolerance or hypersensitivity to **ONE** of the conventional agents used in the treatment of CD

OR

c. The member has an FDA labeled contraindication **ALL** of the conventional agents used in the treatment of CD

OR

d. The member's medication history indicates use of another biologic immunomodulator agent that is FDA labeled or supported in DrugDex with 1 or 2a level of evidence or AHFS for the treatment of CD

AND

2. **ANY** of the following*:

a. The member has tried and had an inadequate response to **BOTH** of the following for at least 3 months:

- Humira (adalimumab)

AND

- **EITHER** Skyrizi (risankizumab) **OR** Stelara (ustekinumab)

OR

b. The member has an intolerance (defined as an intolerance to the drug or its excipients, not to the route of administration), FDA labeled contraindication, or hypersensitivity to **BOTH** of the following:

- Humira (adalimumab)

AND

- **EITHER** Skyrizi (risankizumab) **OR** Stelara (ustekinumab)

OR

c. The member has an FDA labeled contraindication to **ALL** of the following:

	<ul style="list-style-type: none"> • Humira (adalimumab) • Skyrizi (risankizumab) • Stelara (ustekinumab) <p>OR</p> <p>d. The prescriber has provided information indicating why ALL of the following of the following are not clinically appropriate for the member, AND the prescriber has provided a complete list of previously tried agents for the requested indication</p> <ul style="list-style-type: none"> • Humira (adalimumab) • Skyrizi (risankizumab) • Stelara (ustekinumab)
Active ankylosing spondylitis (AS)	<p>BOTH of the following:</p> <p>1. ONE of the following:</p> <p>a. The member has tried and had an inadequate response to TWO different NSAIDs used in the treatment of AS for at least a 4-week total trial</p> <p>OR</p> <p>b. The member has an intolerance or hypersensitivity to TWO different NSAIDs used in the treatment of AS</p> <p>OR</p> <p>c. The member has an FDA labeled contraindication to ALL NSAIDs used in the treatment of AS</p> <p>OR</p> <p>d. The member’s medication history indicates use of another biologic immunomodulator agent that is FDA labeled or supported in DrugDex with 1 or 2a level of evidence or AHFS for the treatment of AS</p> <p>AND</p> <p>2. ANY of the following: *</p> <p>a. The member has tried and had an inadequate response to at least TWO of the following for at least 3 months:</p> <ul style="list-style-type: none"> • Cosentyx (secukinumab) • Enbrel (etanercept) • Humira (adalimumab)

	<ul style="list-style-type: none"> • Rinvoq (upadacitinib) • Xeljanz/Xeljanz XR (tofacitinib) <p>OR</p> <p>b. The member has an intolerance (defined as an intolerance to the drug or its excipients, not to the route of administration) or hypersensitivity to TWO of the following:</p> <ul style="list-style-type: none"> • Cosentyx (secukinumab) • Enbrel (etanercept) • Humira (adalimumab) • Rinvoq (upadacitinib) • Xeljanz/Xeljanz XR (tofacitinib) <p>OR</p> <p>c. The member has an FDA labeled contraindication to ALL of the following:</p> <ul style="list-style-type: none"> • Cosentyx (secukinumab) • Enbrel (etanercept) • Humira (adalimumab) • Rinvoq (upadacitinib) • Xeljanz/Xeljanz XR (tofacitinib) <p>OR</p> <p>d. The prescriber has provided information indicating why ALL of the following are not clinically appropriate for the member, AND the prescriber has provided a complete list of previously tried agents for the requested indication:</p> <ul style="list-style-type: none"> • Cosentyx (secukinumab) • Enbrel (etanercept) • Humira (adalimumab) • Rinvoq (upadacitinib) • Xeljanz/Xeljanz XR (tofacitinib)
Active non-radiographic axial spondyloarthritis (nr-axSpA)	<p>ONE of the following:</p> <ol style="list-style-type: none"> 1. The member has tried and had an inadequate response to TWO different NSAIDs used in the treatment of nr-axSpA for at least a 4-week total trial

	<p>OR</p> <p>2. The member has an intolerance or hypersensitivity to TWO different NSAIDs used in the treatment of nr-axSpA</p> <p>OR</p> <p>3. The member has an FDA labeled contraindication to ALL NSAIDs used in the treatment of nr-axSpA</p> <p>OR</p> <p>4. The member’s medication history indicates use of another biologic immunomodulator agent that is FDA labeled or supported in DrugDex with 1 or 2a level of evidence or AHFS for the treatment of nr-axSpA</p>
Other indications	The member has another FDA labeled indication or an indication supported in DrugDex with 1 or 2a level of evidence, AHFS, or NCCN compendium recommended use 1 or 2a
<p>*Members initiating provider-administered (i.e., submitted as a medical claim with J0717) certolizumab therapy are NOT required to have had an inadequate response to the preferred self-administered (i.e., subcutaneous) products. However, members transitioning to self-administered treatment after a single provider-administered first dose must still meet the preferred self-administered biologic product requirement.</p>	

Continuation of certolizumab pegol (Cimzia) **meets the definition of medical necessity** when **ALL** of the following are met (“1” to “6”):

1. An authorization or reauthorization for certolizumab pegol has been previously approved by Florida Blue
2. Member has had clinical benefit with certolizumab pegol therapy
3. The prescriber is a specialist in the area of the member’s diagnosis (e.g., rheumatologist for PsA, RA; gastroenterologist for CD; dermatologist for PS) or the prescriber has consulted with a specialist in the area of the member’s diagnosis
4. Member does **NOT** have any FDA labeled contraindications to certolizumab pegol
5. Member will **NOT** be using certolizumab pegol in combination with another biologic immunomodulator agent (full list in “Other” section); Janus kinase (JAK) inhibitor [Cibinqo (abrocitinib), Olumiant (baricitinib), Opzelura (ruxolitinib), Rinvoq (upadacitinib), Xeljanz (tofacitinib), and Xeljanz XR (tofacitinib extended release)]; Otezla (apremilast); Sotyktu (deucravacitinib); or Zeposia (ozanimod)
6. **ANY** of the following (“a”, “b”, or “c”):
 - a. The dosage does not exceed 400 mg every 2 weeks (14 days)
 - QL: 2 x 200 mg/mL syringe, kit - 2 kits/28 days
 - QL: 6 X 200 mg/mL syringe, starter kit - 1 starter kit (3 doses)/180 days

- b. The requested quantity (dose) is greater than program's quantity limit but does **NOT** exceed the maximum FDA labeled dose **OR** the maximum compendia-supported dose (i.e., DrugDex with 1 or 2a level of evidence, AHFS, or NCCN compendium recommended use 1 or 2a) for the requested indication, **AND** the requested quantity (dose) cannot be achieved with a lower quantity of a higher strength and/or package size that does not exceed the program quantity limit
- c. The requested quantity (dose) is greater than the program's quantity limit and greater than the maximum FDA labeled dose **AND** the maximum compendia-supported dose (i.e., DrugDex with 1 or 2a level of evidence, AHFS, or NCCN compendium recommended use 1 or 2a) for the requested indication, **AND** the prescriber has provided information in support of therapy with a higher dose for the requested indication (submitted copy required; e.g., clinical trials, phase III studies, guidelines required)

Approval duration: 12 months

DOSAGE/ADMINISTRATION:

THIS INFORMATION IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY AND SHOULD NOT BE USED AS A SOURCE FOR MAKING PRESCRIBING OR OTHER MEDICAL DETERMINATIONS. PROVIDERS SHOULD REFER TO THE MANUFACTURER'S FULL PRESCRIBING INFORMATION FOR DOSAGE GUIDELINES AND OTHER INFORMATION RELATED TO THIS MEDICATION BEFORE MAKING ANY CLINICAL DECISIONS REGARDING ITS USAGE.

FDA-approved indications:

Certolizumab pegol is indication for:

- Reducing signs and symptoms of Crohn's disease and maintaining clinical response in adult patients with moderately to severely active disease who have had an inadequate response to conventional therapy
- Treatment of adults with moderately to severely active rheumatoid arthritis
- Treatment of adult patients with active psoriatic arthritis
- Treatment of adults with active ankylosing spondylitis
- Treatment of adults with active non-radiographic axial spondyloarthritis with objective signs of inflammation
- Treatment of adults with moderate-to-severe plaque psoriasis who are candidates for systemic therapy or phototherapy

Crohn's Disease:

- Initial Dose: 400 mg (given as 2 subcutaneous injections of 200 mg) initially, and at weeks 2 and 4.
- Maintenance Dose: In members who obtain a clinical response, the recommended maintenance regimen is 400 mg every 4 weeks (starting at week 8).

Plaque Psoriasis:

- 400 mg (given as 2 subcutaneous injections of 200 mg) every other week

- For some patients (with body weight ≤ 90 kg), 400 mg (given as 2 subcutaneous injections of 200 mg each) initially and at Weeks 2 and 4, followed by 200 mg every other week can be considered.

Rheumatoid Arthritis, Active Psoriatic Arthritis, Ankylosing Spondylitis, and Non-radiographic Axial Spondyloarthritis:

- Initial Dose: 400 mg (given as 2 subcutaneous injections of 200 mg) initially, and at weeks 2 and 4.
- Maintenance Dose: 200 mg every other week (starting at week 6). 400 mg every 4 weeks can be considered (starting at week 8).

Administration: Certolizumab is administered by subcutaneous injection. Rotate injection sites and do not give injections into areas where the skin is tender, bruised, red, or hard. When a 400 mg dose is needed (given as 2 subcutaneous injections of 200 mg), injections should occur at separate sites in the thigh or abdomen

Powder for solution: Prepare the lyophilized powder and administer by a health care provider.

Prefilled syringe: A member may self-inject certolizumab if a health care provider determines that it is appropriate, with medical follow-up, as necessary, after proper training in subcutaneous injection technique. Instruct members using certolizumab to inject the full amount in the syringe (1 mL).

Drug Availability: certolizumab is available as:

- Lyophilized powder for reconstitution – contains 200 mg vials of lyophilized powder for reconstitution and supplies needed for reconstitution
- Prefilled syringe for injection – contains two 200 mg/mL syringes
- Starter kit – contains six 200 mg/mL prefilled syringes to provide for the three 400 mg initial induction doses on week 0, 2, and 4

Refrigerate intact carton between 2 to 8 °C (36 to 46 °F). Do not freeze. Do not separate contents of carton prior to use. Protect solution from light.

PRECAUTIONS:

Boxed Warning

- **Infections:** Increased risk of serious infections leading to hospitalization or death including tuberculosis (TB), invasive fungal, and other opportunistic infections, some fatal, have occurred. Perform test for latent TB; if positive, start treatment for TB prior to starting therapy. Monitor all patients for active TB, even if initial tuberculin skin test is negative. Discontinue treatment if a patient develops a serious infection or sepsis.
- **Malignancy:** lymphoma and other malignancies, some fatal have been reported in children and adolescent individuals treated with TNF blockers including certolizumab. Post-marketing cases of hepatosplenic T-cell lymphoma (HSTCL), a rare type of T-cell lymphoma, have occurred in adolescents and young adults with inflammatory bowel disease. Certolizumab pegol is not indicated for use in pediatric patients.

Contraindications

- Serious hypersensitivity reaction to certolizumab pegol or to any of the excipients

Precautions/Warnings

- **Serious Infections:** certolizumab should not be initiated in members during an active infection. If an infection develops, monitor carefully, and discontinue certolizumab if infection becomes serious.
- **Invasive fungal infections:** If a member develops a systemic infection while on certolizumab therapy, consider empiric antifungal therapy for those who reside or travel to regions where mycoses are endemic
- **Anaphylaxis:** anaphylaxis or serious allergic reactions may occur.
- **Hepatitis B virus reactivation:** members who are HBV carriers should be monitored during and several months after therapy. If reactivation occurs during therapy, discontinue certolizumab and initiate anti-viral therapy.
- **Demyelinating disease:** exacerbation of new onset may occur
- **Cytopenia, pancytopenia:** advise members to seek immediate medical attention if symptoms develop and consider discontinuing certolizumab.
- **Heart failure:** worsening or new onset heart failure may occur.
- **Lupus-like syndrome:** discontinue certolizumab if syndrome develops.
- **Drug Interactions:** avoid concomitant use with abatacept (Orencia®) and anakinra (Kineret®), due to increased risk of serious infection.
- **Laboratory tests:** may interfere with certain aPTT tests
- **Live vaccines:** Avoid administration of live vaccines (e.g., varicella and MMR) in members taking certolizumab.
- **Pregnancy and Lactation**
 - Certolizumab is classified as pregnancy category B. Developmental toxicity studies performed in animals have revealed no evidence of harm to the fetus.
 - Because many immunoglobulins are secreted in milk and the potential for serious adverse reactions exists, a decision should be made whether to discontinue nursing or discontinue the drug, taking into account the importance of the drug to the mother.

BILLING/CODING INFORMATION:

The following codes may be used to describe:

HCPCS Coding:

J0717	Injection, certolizumab pegol, 1 mg (code may be used for Medicare when drug administered under the direct supervision of a physician, not for use when self-administered)
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ICD-10 Diagnosis Codes That Support Medical Necessity:

K50.00 – K50.919	Crohn's disease [regional enteritis]
L40.0	Psoriasis vulgaris
L40.50 – L40.59	Arthropathic psoriasis

M05.00 – M05.09	Felty's syndrome
M05.10 – M05.19	Rheumatoid lung disease with rheumatoid arthritis
M05.20 – M05.29	Rheumatoid vasculitis with rheumatoid arthritis
M05.30 – M05.39	Rheumatoid heart disease with rheumatoid arthritis
M05.40 – M05.49	Rheumatoid myopathy with rheumatoid arthritis
M05.50 – M05.59	Rheumatoid polyneuropathy with rheumatoid arthritis
M05.60 – M05.69	Rheumatoid arthritis with involvement of other organs and systems
M05.70 – M05.79	Rheumatoid arthritis with rheumatoid factor without organ or systems involvement
M05.80 – M05.89	Other rheumatoid arthritis with rheumatoid factor
M05.9	Rheumatoid arthritis with rheumatoid factor, unspecified
M06.00 – M06.09	Rheumatoid arthritis without rheumatoid factor
M06.20 – M06.29	Rheumatoid bursitis
M06.30 – M06.39	Rheumatoid nodule
M06.80 – M06.89	Other specified rheumatoid arthritis
M06.9	Rheumatoid arthritis, unspecified
M45.0 – M45.9	Ankylosing spondylitis
M45.A0 – M45.AB	Non-radiographic axial spondyloarthritis
M46.81 – M46.89	Other specified inflammatory spondylopathies

REIMBURSEMENT INFORMATION:

Refer to section entitled [POSITION STATEMENT](#).

PROGRAM EXCEPTIONS:

Federal Employee Program (FEP): Follow FEP guidelines.

State Account Organization (SAO): Follow SAO guidelines.

Medicare Advantage Products: No National Coverage Determination (NCD) and/or Local Coverage Determination (LCD) were found at the time of the last guideline review date. The Site of Care Policy for Select Specialty Medications does not apply to Medicare Advantage members.

Medicare Part D: Florida Blue has delegated to Prime Therapeutics authority to make coverage determinations for the Medicare Part D services referenced in this guideline.

DEFINITIONS:

Crohn's disease: a chronic granulomatous inflammatory disease of unknown etiology, involving any part of the gastrointestinal tract from mouth to anus, but commonly involving the terminal ileum with scarring and thickening of the bowel wall. It frequently leads to intestinal obstruction and fistula and abscess formation and has a high rate of recurrence after treatment.

DMARDs: An acronym for disease-modifying antirheumatic drugs. These are drugs that modify the rheumatic disease processes, and slow or inhibit structural damage to cartilage and bone. These drugs are unlike symptomatic treatments such as NSAIDs that do not alter disease progression. DMARDs can

be further subcategorized. With the release of biologic agents (e.g., anti-TNF drugs), DMARDs were divided into either: (1) conventional, traditional, synthetic, or non-biological DMARDs; or as (2) biological DMARDs. However, with the release of newer targeted non-biologic drugs and biosimilars, DMARDs are now best categorized as: (1) conventional synthetic DMARDs (csDMARD) (e.g., MTX, sulfasalazine), (2) targeted synthetic DMARDs (tsDMARD) (e.g., baricitinib, tofacitinib, apremilast), and (3) biological DMARDs (bDMARD), which can be either a biosimilar DMARD (bsDMARD) or biological originator DMARD (boDMARD).

Mild-Moderate Crohn's Disease: Mild-moderate Crohn's disease applies to ambulatory members able to tolerate oral alimentation without manifestations of dehydration, toxicity (high fevers, rigors, prostration), abdominal tenderness, painful mass, obstruction, or >10% weight loss.

Moderate to Severe Crohn's Disease: Moderate to severe disease applies to patients who have failed to respond to treatment for mild to moderate disease or those with more prominent symptoms of fevers, significant weight loss, abdominal pain or tenderness, intermittent nausea or vomiting (without obstructive findings), or significant anemia.

Monoclonal antibody: derived from a single cell; pertaining to a single clone. Widely used to measure proteins and drugs in the serum, type tissue and blood, identify infectious agents, identify classification and follow-up therapy of leukemias and lymphomas, and identify tumor antibodies.

Plaque psoriasis: It is the most common form of psoriasis. It affects 80 to 90% of people with psoriasis. Plaque psoriasis typically appears as raised areas of inflamed skin covered with silvery white scaly skin. These areas are called plaques

Psoriatic arthritis (PsA): joint inflammation that occurs in about 5% to 10% of people with psoriasis (a common skin disorder). It is a severe form of arthritis accompanied by inflammation, psoriasis of the skin or nails, and a negative test for rheumatoid factor. Enthesitis refers to inflammation of entheses, the site where ligaments or tendons insert into the bones. It is a distinctive feature of PsA and does not occur with other forms of arthritis. Common locations for enthesitis include the bottoms of the feet, the Achilles' tendons, and the places where ligaments attach to the ribs, spine, and pelvis.

Rheumatoid arthritis: An inflammatory disease of the synovium or lining of the joint that results in pain stiffness and swelling of multiple joints. The inflammation may extend to other joints and cause bone and cartilage erosion, joint deformities, movement problems, and activity limitations.

RELATED GUIDELINES:

[Abatacept \(Orencia\), 09-J0000-67](#)

[Adalimumab \(Humira\), 09-J0000-46](#)

[Anakinra \(Kineret\), 09-J0000-45](#)

[Apremilast \(Otezla\) Tablet, 09-J2000-19](#)

[Baricitinib \(Olumiant\), 09-J3000-10](#)

[Brodalumab \(Siliq\) Injection, 09-J2000-74](#)

[Etanercept \(Enbrel\), 09-J0000-38](#)

[Golimumab \(Simponi, Simponi Aria\), 09-J1000-11](#)

[Guselkumab \(Tremfya\), 09-J2000-87](#)

[Infliximab Products \[infliximab \(Remicade\), infliximab-dyyb \(Inflectra\), and infliximab-abda \(Renflexis\)\], 09-J0000-39](#)
[Ixekizumab \(Taltz\), 09-J2000-62](#)
[Natalizumab \(Tysabri\) IV, 09-J0000-73](#)
[Psoralens with Ultraviolet A \(PUVA\), 02-10000-16](#)
[Risankizumab \(Skyrizi\), 09-J3000-45](#)
[Rituximab \(Rituxan\), 09-J0000-59](#)
[Sarilumab \(Kevzara\), 09-J2000-87](#)
[Secukinumab \(Cosentyx\), 09-J2000-30](#)
[Tildrakizumab-asmn \(Ilumya\), 09-J3000-04](#)
[Tocilizumab \(Actemra\) IV, 09-J1000-21](#)
[Tofacitinib \(Xeljanz, Xeljanz XR\) Oral Solution, Tablet and Extended-Release Tablet, 09-J1000-86](#)
[Upadacitinib \(Rinvoq\), 09-J3000-51](#)
[Ustekinumab \(Stelara\), 09-J1000-16](#)
[Vedolizumab \(Entyvio\), 09-J2000-18](#)

OTHER:

Biologic Immunomodulator Agents Not Permitted as Concomitant Therapy

Actemra (tocilizumab)
Adbry (tralokinumab-ldrm)
Arcalyst (rilonacept)
Avsola (infliximab-axxq)
Benlysta (belimumab)
Cimzia (certolizumab)
Cinqair (reslizumab)
Cosentyx (secukinumab)
Dupixent (dupilumab)
Enbrel (etanercept)
Entyvio (vedolizumab)
Fasenra (benralizumab)
Humira (adalimumab)
Ilaris (canakinumab)
Ilumya (tildrakizumab-asmn)
Inflectra (infliximab-dyyb)
Infliximab
Kevzara (sarilumab)
Kineret (anakinra)
Nucala (mepolizumab)
Orencia (abatacept)

Remicade (infliximab)
 Renflexis (infliximab-abda)
 Riabni (rituximab-arrx)
 Rituxan (rituximab)
 Rituxan Hycela (rituximab/hyaluronidase human)
 Ruxience (rituximab-pvvr)
 Siliq (brodalumab)
 Simponi (golimumab)
 Simponi Aria (golimumab)
 Skyrizi (risankizumab-rzaa)
 Stelara (ustekinumab)
 Taltz (ixekizumab)
 Tezspire (tezepelumab-ekko)
 Tremfya (guselkumab)
 Truxima (rituximab-abbs)
 Tysabri (natalizumab)

Xolair (omalizumab) Table 3: Conventional Synthetic DMARDs

Generic Name	Brand Name
Auranofin (oral gold)	Ridaura
Azathioprine	Imuran
Cyclosporine	Neoral, Sandimmune
Hydroxychloroquine	Plaquenil
Leflunomide	Arava
Methotrexate	Rheumatrex, Trexall

Table 4: Grading of Severity of Rheumatoid Arthritis

Severity	Criteria
Mild	Joint pain Inflammation of at least 3 joints No inflammation in tissues other than the joints Usually, a negative result on a rheumatoid factor test An elevated erythrocyte sedimentation rate (ESR) or C reactive protein (CRP) level No evidence of bone or cartilage damage on x-rays
Moderate	Between 6 and 20 inflamed joints Usually no inflammation in tissues other than the joints An elevated ESR or CRP levels A positive rheumatoid factor test or anti-cyclic citrullinated peptide (anti-CCP) antibodies Evidence of inflammation but no evidence of bone damage on x-rays
Severe	More than 20 persistently inflamed joints or a rapid loss of functional abilities Elevated ESR or CRP levels

	<p>Anemia related to chronic illness</p> <p>Low blood albumin level</p> <p>A positive rheumatoid factor test, often with a high level</p> <p>Evidence of bone and cartilage damage on x-ray</p> <p>Inflammation in tissues other than joints</p>
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COMMITTEE APPROVAL:

This Medical Coverage Guideline (MCG) was approved by the Florida Blue Pharmacy Committee on 11/09/22.

GUIDELINE UPDATE INFORMATION:

09/15/08	New Medical Coverage Guideline.
01/01/09	Annual HCPCS coding update: deleted code 90772; added codes 96372.
04/01/09	Annual HCPCS coding update: added HCPCS code C9249 & deleted J3490.
04/15/09	Revision; consisting of adding ICD-9 codes.
06/15/09	Revision; consisting of adding rheumatoid arthritis indication and updating boxed warning.
10/15/09	Review and revision; consisting of updating administration and dosage section and references.
01/01/10	Annual HCPCS coding update: added HCPCS code J0718 and deleted code C9249.
04/15/10	Revision; consisting of adding specific continuation criteria.
08/15/10	Review and revision; consisting of updating precautions and references.
01/15/11	Revision; consisting of adding ICD-10 codes.
08/15/11	Review and revision to guideline; consisting of updating precautions, coding and references.
08/15/12	Review and revision to guideline; consisting of reformatting position statement, updating precautions and references.
10/15/12	Revision to guideline; consisting of modifying continuation criteria.
01/15/13	Revision to guideline; consisting of reformatting position statement; revising and reformatting description, dosage/administration, and precautions sections.
03/07/13	Revision to guideline; additions to position statement.

04/15/13	Revision to guideline; consisting of revising position statement to include duration of approval.
09/15/13	Review and revision to guideline; consisting of reformatting position statement; updating related guidelines, references, program exceptions, and coding.
01/01/14	Revision to guideline; consisting of updating position statement, coding, and references.
04/15/14	Revision to guideline; consisting of updating position statement.
09/15/14	Review and revision to guideline; consisting of updating position statement, references, and coding.
09/15/15	Review and revision to guideline; consisting of updating description section, position statement, dosage/administration, warnings/precautions, billing/coding, related guidelines, and references.
12/15/15	Revision to guideline consisting of updating the position statement.
09/15/16	Review and revision to guideline consisting of updating description section, position statement, billing/coding, and references.
11/15/16	Revision to guideline consisting of updating position statement with ustekinumab prerequisite therapy requirement for Crohn's disease indication.
10/15/17	Review and revision to guideline consisting of updating description, position statement, definitions, related guidelines, and references.
01/01/18	Revision to guideline consisting of updating the preferred self-administered biologic products according to indication for use. Secukinumab is now a preferred product for psoriatic arthritis and axial spondyloarthritis and use of three preferred products is required. Tofacitinib (Xeljanz, Xeljanz XR) added as prerequisite therapy for rheumatoid arthritis when certolizumab pegol is used as self-administered therapy.
07/01/18	Revision to guideline consisting of updating the position statement.
07/15/18	Revision to guideline consisting of updating the description section, position statement, dosage/administration, warnings/precautions, billing/coding, related guidelines, definitions, and references based on a new FDA-approved indication of plaque psoriasis.
10/15/18	Review and revision to guideline consisting of updating the position statement, related guidelines, and references.
05/15/18	Revision to guideline consisting of updating the description section and dosage/administration section based on the new FDA-approved indication of non-radiographic axial spondyloarthritis.
07/15/19	Revision to guideline consisting of updating the position statement.
09/01/19	Revision to guideline consisting of updating the position statement.
10/15/19	Review and revision to guideline consisting of updating the statement and references.
11/11/19	Revision to guideline consisting of adding a reference to the Site of Care Policy for Select Specialty Medications and updating the Program Exceptions.
01/01/20	Revision to guideline consisting of updating the position statement due to changes in preferred and non-preferred products.
07/01/20	Revision to guideline consisting of updating the description, position statement, and definitions.
01/01/21	Review and revision to guideline consisting of updating the position statement and references.

03/15/21	Revision to guideline consisting of updating Table 1 in the position statement.
10/01/21	Revision: Addition of new ICD-10 code range M45.A0 – M45.AB.
11/15/21	Revision to guideline consisting of updating the position statement.
01/01/22	Review and revision to guideline consisting of updating the description, position statement, related guidelines, other section, and references.
2/15/22	Update to Table 1 in Position Statement.
03/15/22	Revision to guideline consisting of updating the position statement and other section.
05/15/22	Update to Table 1 in Position Statement.
07/15/22	Revision to guideline consisting of updating the position statement.
09/15/22	Update to Table 1 in Position Statement.
10/15/22	Revision to guideline consisting of updating the position statement to include either Skyrizi or Stelara as a second preferred agent (in addition to Humira) prior to the use of self-administered Cimzia for the treatment of Crohn's disease.
01/01/23	Review and revision to guideline consisting of updating the position statement, other section, and references. New drugs were added to the list of drugs that are not permitted for use in combination.