09-J0000-06

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Subject: Immune Globulin Therapy

THIS MEDICAL COVERAGE GUIDELINE IS NOT AN AUTHORIZATION, CERTIFICATION, EXPLANATION OF BENEFITS, OR A GUARANTEE OF PAYMENT, NOR DOES IT SUBSTITUTE FOR OR CONSTITUTE MEDICAL ADVICE. ALL MEDICAL DECISIONS ARE SOLELY THE RESPONSIBILITY OF THE PATIENT AND PHYSICIAN. BENEFITS ARE DETERMINED BY THE GROUP CONTRACT, MEMBER BENEFIT BOOKLET, AND/OR INDIVIDUAL SUBSCRIBER CERTIFICATE IN EFFECT AT THE TIME SERVICES WERE RENDERED. THIS MEDICAL COVERAGE GUIDELINE APPLIES TO ALL LINES OF BUSINESS UNLESS OTHERWISE NOTED IN THE PROGRAM EXCEPTIONS SECTION.

| Position Statement | <u>Dosage/</u> <u>Administration</u> | Billing/Coding | Reimbursement | Program Exceptions | <u>Definitions</u> |
|-----------------------|---|----------------|----------------|-----------------------|--------------------|
| Related Guidelines | <u>Other</u> | References | <u>Updates</u> | | |

DESCRIPTION:

Intravenous immune globulin (IVIG) (Alyglo, Asceniv®, Flebogamma DIF, Gammagard® Liquid, Gammagard® S/D, Gammagard® S/D Less IgA, Gammaplex®, Gammaked™, Gamunex®-C, Octagam®, Panzyga®, Privigen®, and Bivigam®) is an antibody-containing solution obtained from the pooled plasma of healthy blood donors that contains antibodies to greater than 10 million antigens. IVIG has been used to correct immune deficiencies in patients with either inherited or acquired immunodeficiencies and has also been investigated as an immunomodulator in diseases thought to have an autoimmune component. The U.S. Food and Drug Administration (FDA) approved and off-label indications are listed below.

Subcutaneous immune globulin (SCIG) (Cutaquig®, Cuvitru™, Gammagard® Liquid, Gammaked™, Gamunex®-C, Hizentra®,HyQvia®, Xembify®) are FDA approved for the use in primary immunodeficiency. Hizentra is also FDA approved as maintenance therapy for chronic inflammatory demyelinating polyneuropathy (CIDP).

POSITION STATEMENT:

Site of Care: If intravenous immune globulin (IVIG) 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, or emergency facility is not considered medically necessary. This statement applies to Cutaquig®, Cuvitru™, Hizentra®, HyQvia®, Xembify®, and the following immune globulin products only when administered subcutaneously: Gammagard® Liquid, Gammaked™, Gamunex®-C.

- I. Initiation of intravenous immune globulin (IVIG) and subcutaneous immune globulin (SCIG) meets the definition of medical necessity when ALL of the following are met:
 - a. When used for the treatment of an indication in Table 1 and **ALL** of the indication-specific criteria are met
 - b. The initial dose will not exceed the FDA label or compendia supported maximum and will be titrated to the minimum effective dose and frequency to sustain clinical response
 - c. IVIG will not be used in combination with SCIG
 - d. **ONE** of the following:
 - i. The request is for Gammagard Liquid, Gammaked, Gamunex-C, Privigen, Flebogamma DIF, Hizentra, or Hyqvia
 - ii. The request is for Alyglo, Bivigam, Gammagard S/D, Gammaplex, Octagam, or Panzyga, and the member had an inadequate response, contraindication or intolerance to **TWO** of the following documentation must be submitted:
 - 1. Gammagard Liquid
 - 2. Gammaked
 - 3. Gamunex-C
 - 4. Privigen
 - 5. Flebogamma DIF
 - iii. The request is for Cuvitru, Cutaquig, or Xembify, and the member had an inadequate response, contraindication or intolerance to Hizentra documentation must be submitted
 - iv. The request is for Asceniv, and the member had an inadequate response, contraindication, or intolerance to all alternative commercially available IVIG products documentation must be submitted

Table 1

| Indications and Criteria | | |
|--------------------------|--|--|
| Primary Immunodeficiency | | |
| Agammaglobulinemia | When ONE of the following criteria is met - | |
| | documentation must be submitted: | |
| | 1. Serum IgG level <200 mg/dL | |
| | 2. Extremely low (<2%) or absent B cell count | |
| | (CD19+) | |
| | Approval duration: 6 months | |

| Ataxia telangiectasia | When BOTH of the following are met - |
|--|--|
| Treating coloring | documentation must be submitted: |
| | Lack of protective antibody titers* |
| | Recurrent difficult to treat bacterial |
| | infections |
| | Approval duration: 6 months |
| Common Variable Immune Deficiency (CVID) | When ALL of the following criteria are met - |
| common variable immane benefities (evib) | documentation must be submitted: |
| | Serum IgG less than 600 mg/dL |
| | 2. Lack of protective antibody titers* |
| | 3. Recurrent, difficult to treat bacterial |
| | infections |
| | Approval duration: 6 months |
| DiGeorge Syndrome | When the following is met: |
| | 1. Serum IgG less than 600 mg/dL OR |
| | documented T cells (CD3) are severely low |
| | or absent (<300/microL) - documentation |
| | must be submitted |
| | Approval duration: 6 months |
| Dedicator of cytokinesis 8 (DOCK-8) deficiency | When BOTH of the following are met - |
| | documentation must be submitted: |
| | Lack of protective antibody titers* |
| | Recurrent difficult to treat bacterial |
| | infections |
| | Approval duration: 6 months |
| Functional Immunodeficiency | When ALL of the following criteria are met - |
| | documentation must be submitted: |
| | Serum IgG less than 600 mg/dL |
| | Lack of protective antibody titers* |
| | 3. Recurrent, difficult to treat bacterial |
| | infections |
| | Approval duration: 6 months |
| Hyper-lgE syndrome | When BOTH of the following are met - |
| | documentation must be submitted: |
| | Lack of protective antibody titers* |
| | 2. Recurrent difficult to treat bacterial |
| | infections |
| | Approval duration: 6 months |
| Hyper-IgM syndrome or CD40 ligand (CD40L) | When ALL of the following criteria are met - |
| deficiency | documentation must be submitted: |
| | 1. Serum IgG less than 600 mg/dL |
| | 2. Lack of protective antibody titers* |
| | Recurrent, difficult to treat bacterial infactions |
| | infections |
| | Approval duration: 6 months |

| Hypogammaglobulinemia When ALL of the following criteria are met - documentation must be submitted: 1. Serum IgG less than 600 mg/dL 2. Lack of protective antibody titers* 3. Recurrent, difficult to treat bacterial infections Approval duration: 6 months When ALL of the following are met - documentation must be submitted: 1. Deficiency of one or more IgG subclasses§ greater than 2 standard deviations below the age-specific mean (confirmed by 2 measurements at least 1 month apart) 2. Lack of protective antibody titers* 3. Recurrent difficult to treat bacterial infections Approval duration: 6 months Nuclear factor kappa-B essential modulator (NEMO) syndrome When ALL of the following criteria are met - documentation must be submitted: 1. Serum IgG less than 600 mg/dL 2. Lack of protective antibody titers* 3. Recurrent, difficult to treat bacterial infections Approval duration: 6 months |
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| 3. Recurrent, difficult to treat bacterial infections Approval duration: 6 months |
| infections Approval duration: 6 months |
| |
| |
| Severe Combined Immunodeficiency When the following is met: |
| Syndrome (SCID) 1. Serum IgG less than 600 mg/dL OR |
| documented T cells (CD3) are severely low |
| or absent (<300/microL) - documentation |
| must be submitted |
| Approval duration: 6 months |
| Specific antibody deficiency (SAD) When BOTH of the following are met - |
| documentation must be submitted: |
| 1. Lack of protective antibody titers* or |
| response to pneumococcal polysaccharide |
| vaccine diminishes within 6 months |
| 2. Recurrent difficult to treat bacterial |
| infections |
| Approval duration: 6 months |
| Transient hypogammaglobulinemia of infancy When BOTH of the following are met - |
| documentation must be submitted: |
| 1. Serum IgG less than 600 mg/dL |
| 2. Recurrent difficult to treat bacterial |
| infections |
| Approval duration: 6 months |

| Warts, hypogammaglobulinemia, | When BOTH of the following criteria are met - |
|---|---|
| immunodeficiency, and myelokathexis (WHIM) | documentation must be submitted: |
| syndrome | Serum IgG less than 600 mg/dL |
| | 2. Recurrent, difficult to treat bacterial |
| | infections |
| | Approval duration: 6 months |
| Wiskott-Aldrich Syndrome | When ONE of the following is met - documentation |
| | must be submitted: |
| | Lack of protective antibody titers* |
| | 2. Recurrent, difficult to treat bacterial |
| | infections |
| | Approval duration: 6 months |
| Secondary Immunodeficiency | |
| Acquired hypogammaglobulinemia conditions | Serum IgG level less than 500 mg/dL on 2 or more |
| including: | occasions and when one of the following is met - |
| Chronic Lymphocytic Leukemia | documentation must be submitted: |
| (CLL)/Small lymphocytic lymphoma | Lack of protective antibody titers* |
| (SLL) | Recurrent difficult to treat bacterial |
| Acute Lymphocytic (lymphoblastic) | infections |
| Leukemia (ALL) | Approval duration: 6 months |
| Acute Myelogenous Leukemia (AML) | |
| Chronic Myelogenous Leukemia (CML) | |
| Multiple Myeloma (MM) | |
| Non-Hodgkin's Lymphoma | |
| Allogeneic hematopoietic stem cell transplant | HSCT or BMT when ONE of the following criteria are |
| (HSCT) or bone marrow transplantation (BMT) | met: |
| | 1. First 100 days post-transplant |
| | 2. Serum IgG level is less than 400 mg/dL |
| | Treatment of viral infection (e.g.,CMV, EBV, RSV) |
| | Approval duration: 6 months |
| Chimeric antigen receptor (CAR) T-cell therapy | ONE of the following: |
| induced hypogammaglobulinemia | When used for hypogammaglobulinemia |
| maacea nypogammagiobumiemia | that developed following the use of CAR T- |
| | cell therapy (e.g.,tisagenlecleucel, |
| | axicabtagene ciloleucel) |
| | 2. When used for the management of grade 4 |
| | (G4) cytokine release syndrome that is |
| | refractory to high-dose corticosteroids and |
| | anti-IL-6 therapy [e.g., tocilizumab |
| | (Actemra)] |
| | Approval duration: 6 months |
| High-risk, preterm, low-birth-weight neonates | Prevention or adjunct treatment for infection |
| | Approval duration: 3 months |
| HIV-infected children | When used for prevention of bacterial infection and |
| | ALL of the following are met: |
| | <u> </u> |

| | 4 14 1 140 6 1 |
|--|---|
| | 1. Member is 13 years of age or less |
| | 2. CD4+ count is greater than 200/μL |
| | IVIG will be used in conjunction with |
| | antiretroviral treatment |
| | Member's IgG level is less than 400 mg/dL |
| | Approval duration: 6 months |
| Immune Checkpoint Inhibitor-related toxicity | When used for ONE of the following toxicities that |
| | developed after use of a checkpoint inhibitor (e.g., |
| | atezolizumab, avelumab, durvalumab, ipilimumab, |
| | nivolumab, pembrolizumab): |
| | Moderate to severe pneumonitis if member |
| | has an inadequate response to |
| | corticosteroids (grade 3 or 4 – see Table 2) |
| | 2. Myasthenia gravis (grade 3 or 4) |
| | · · · · · · · · · · · · · · · · · · · |
| | 3. Guillain-Barré syndrome (grade 2, 3 or 4) |
| | 4. Severe peripheral neuropathy (grade 3 or 4) |
| | 5. Encephalitis with severe or progressing |
| | symptoms or if oligoclonal bands are |
| | present |
| | 6. Transverse myelitis |
| | 7. Severe inflammatory arthritis if member has |
| | an inadequate response to corticosteroids |
| | 8. Severe bullous dermatitis (grade 3 or 4), |
| | Stevens-Johnson syndrome, or toxic |
| | epidermal necrolysis |
| | Myalgia or myositis if member has an |
| | inadequate response to corticosteroids |
| | 10. Severe myocarditis if member has an |
| | inadequate response to corticosteroids |
| | Approval duration: 3 months |
| Solid organ transplant | When used for ONE following: |
| | 1. Allosensitized† members awaiting solid |
| | organ transplant |
| | 2. Treatment of antibody mediated rejection |
| | 3. Serum IgG is less than 400 mg/dL |
| | 4. Treatment of viral infection (e.g.,CMV, EBV, |
| | RSV) |
| | Approval duration: 6 months |
| Hematology | - Telegration design of months |
| | When EITHER of the following criteria are moti |
| Acute idiopathic thrombocytopenic purpura | When EITHER of the following criteria are met: |
| (ITP) | 1. Member's PLT count is less than 30,000 |
| | 2. Member's PLT count is less than 100,000 |
| ļ | and the member is scheduled to undergo a |
| | |
| | major surgical procedure (e.g., |
| | major surgical procedure (e.g., splenectomy) Approval duration: 6 months |

| Chronic ITP | Treatment when ALL of the following criteria are |
|---------------------------------|---|
| Chrome III | met: |
| | |
| | Duration greater than 6 months Member has an inadequate response or |
| | 2. Member has an inadequate response or |
| | contraindication to corticosteroid |
| | treatment |
| | 3. Member's platelet count is less than 30,000 |
| | 4. Other causes of thrombocytopenia (e.g., |
| | concurrent illness/disease) have been ruled |
| | out |
| | Approval duration: 1 year |
| HCV-associated thrombocytopenia | Treatment when ALL of the following criteria met: |
| | 1. Member's platelet count is less than 30,000 |
| | 2. Member has an inadequate response to |
| | antiviral therapy or member has |
| | contraindication to antivirals |
| | Approval duration: 6 months |
| HIV-associated thrombocytopenia | Treatment when ALL of the following criteria are |
| | met: |
| | 1. Member's platelet count is less than 30,000 |
| | 2. Member has an inadequate response or |
| | contraindication to antiretroviral therapy |
| | (e.g., high dose zidovudine monotherapy or |
| | highly active antiretroviral therapy [HAART]) |
| | 3. Member has an inadequate response or |
| | contraindication to corticosteroid |
| | treatment |
| | Approval duration: 6 months |
| Fetal or neonatal Alloimmune | Treatment of ante-natal FAIT/NAIT when both of |
| Thrombocytopenia (FAIT, NAIT) | the following criteria are met: |
| , , , , , | 1. Prior FAIT birth |
| | 2. Detectable maternal antibodies to paternal |
| | platelet antigen [†] are present |
| | Approval duration 1 year |
| | Treatment of post-natal FAIT/NAIT when ALL of the |
| | following criteria are met: |
| | Other causes of thrombocytopenia have |
| | been ruled out (e.g., infection, disseminated |
| | intravascular coagulation) |
| | 2. Member's platelet count is less than 50,000 |
| | 3. Detectable maternal antibodies to paternal |
| | platelet antigen [†] are present |
| | , , |
| | 4. Thrombocytopenia persists after |
| | transfusion of anti-negative compatible platelets |
| | Approval duration: 6 months |
| | Approvar uuration. o montins |

| ITP in pregnancy | Treatment of ITP when ONE of the following criteria |
|--|--|
| The second of th | are met: |
| | To treat symptomatic bleeding |
| | 2. To increase platelet count to minimize |
| | bleeding risk associated with a procedure |
| | (e.g., epidural, C-section) |
| | 3. Member's PLT count is less than 50,000 |
| | 4. History of splenectomy |
| | Approval duration: 1 year |
| Post-transfusion purpura** | Acute treatment only (i.e., IVIG is administered |
| | within 2-14 days post-transfusion) |
| | Approval duration: 30 days |
| Neonatal isoimmune hemolytic disease** | When used for acute treatment in conjunction with |
| | phototherapy |
| | Approval duration: 30 days |
| Warm antibody autoimmune hemolytic | Treatment when ALL of the following criteria are |
| anemia (wAIHA) | met: |
| , , , , , , , , , , , , , , , , , , , | wAlHA is confirmed by a positive direct |
| | Coombs test for immunoglobulin G(IgG), |
| | complement (C3d), or both [‡] |
| | Approval duration: 30 days |
| Evan's Syndrome | Member has an inadequate response, |
| • | contraindication, intolerance to conventional |
| | therapy (e.g., azathioprine, cyclophosphamide, |
| | cyclosporine, prednisone) |
| | Approval duration: 1 year |
| Neurology | |
| Autoimmune Encephalitis | Treatment when ALL of the following criteria are |
| | met: |
| | Subacute onset (rapid progression of less |
| | than 3 months) of working memory deficits |
| | (short-term memory loss), altered mental |
| | status, or psychiatric symptoms |
| | 2. ONE of the following: |
| | New focal CNS findings |
| | Seizures not explained by a |
| | previously known seizure disorder |
| | CSF pleocytosis (WBC of more than |
| | 5 cells per mm3) |
| | MRI features suggestive of |
| | encephalitis |
| | 3. Exclusion of alternative causes (Table 3) |
| | Approval duration: 6 months |
| Acute Disseminated Encephalomyelitis | Treatment when ALL of the following criteria are |
| | met: |
| | · · |

| | T . |
|--|---|
| | 1. A first multifocal, clinical CNS event of |
| | presumed inflammatory demyelinating |
| | cause |
| | Encephalopathy cannot be explained by fever |
| | 3. ONE of the following abnormal brain MRI |
| | findings: |
| | a. Diffuse, poorly demarcated, large |
| | (>1-2 cm) lesions predominately |
| | involving the cerebral white matter |
| | b. T1-hypointense lesions in the white |
| | matter |
| | c. Deep grey matter abnormalities |
| | (e.g. thalamus or basal ganglia) |
| | present |
| | 4. No new clinical or MRI findings after 3 |
| | months of symptom onset |
| | 5. Exclusion of alternative causes (Table 3) Approval duration: 6 months |
| A | <u> </u> |
| Acute treatment of Myasthenia gravis** | Treatment when ANY of the following criteria are |
| | met: |
| | 1. Acute crisis (<5 days treatment) with |
| | decompensation (e.g., respiratory failure, |
| | inability to perform physical activity) |
| | During or prior to initiation of immunosuppressive therapy to prevent |
| | disease exacerbation |
| | 3. Prior to thymectomy for a member with |
| | significant bulbar dysfunction |
| | Approval duration: 5 days |
| Refractory Myasthenia gravis | When the member has progressive disease with an |
| The fraction y triyustricinu gravis | inadequate response, contraindication, or |
| | intolerance to at least TWO of the following: |
| | 1. azathioprine |
| | 2. cyclosporine |
| | 3. mycophenolate mofetil |
| | 4. tacrolimus |
| | 5. methotrexate |
| | Approval duration: 6 months |
| Chronic inflammatory demyelinating | Treatment when ALL of the following criteria are |
| polyneuropathy (CIDP) | met: |
| | 1. Member's clinical course is relapsing and |
| | remitting or progressive for more than 2 |
| | months |
| | 2. Member's disease has been confirmed by |
| | electrophysiologic findings that |

| | demonstrate any 3 of the following – |
|---|---|
| | documentation must be submitted: |
| | a. Partial conduction block of 1 or more |
| | motor nerves |
| | b. Reduced conduction velocity of 2 or |
| | more motor nerves |
| | c. Prolonged distal latency of 2 or more |
| | motor nerves |
| | d. Prolonged F-wave latencies of 2 or |
| | more nerves or the absence of F- |
| | Waves |
| | 3. Member's disease has been confirmed by |
| | BOTH of the following physiologic findings |
| | a. Hypo- or areflexiab. Motor or sensory impairment of |
| | more than one limb |
| Δr | oproval duration: 1 year |
| | eatment when the following criteria are met: |
| Waterocar wotor Neuropatry (wilding) | Member's disease has been confirmed by |
| | electrophysiologic findings including BOTH |
| | of the following – documentation must be |
| | submitted: |
| | a. Presence of either |
| | Probable conduction block in at |
| | least two motor nerve segments |
| | Definite conduction block in at |
| | least one motor nerve segment |
| | and probable conduction block |
| | in a different motor nerve |
| | segment |
| | b. Normal results for sensory nerve |
| | conduction on all tested nerves |
| | 2. Progressive symptoms are present for one |
| | or more months |
| Ap | pproval duration: 1 year |
| Guillain-Barré Syndrome (GBS)- Acute Ac | cute treatment when ALL of the following criteria |
| inflammatory demyelinating neuropathy are | e met: |
| (AIDP) | 1. Member has severe disease (e.g., is unable |
| | to walk) |
| | 2. Onset of symptoms occurred within the |
| | last 4 weeks |
| | 3. No concomitant plasma exchange therapy |
| | pproval duration: 1 year |
| | ember has an inadequate response, |
| со | ntraindication, or intolerance to available |
| sta | andard therapy (e.g., acetyl cholinesterase |
| 1 | hibitors, prednisone, and azathioprine). |

| | Approval duration: 1 year |
|---|---|
| Rasmussen's encephalitis | Member has an inadequate response, |
| | contraindication, or intolerance to conventional |
| | therapy (e.g., immunosuppressants, surgery) |
| | Approval duration: 6 months |
| Stiff Person Syndrome (Moersch-Woltmann | Member has an inadequate response, |
| Syndrome) | contraindication, or intolerance to available |
| Syndionicy | standard medication therapy (e.g., diazepam, |
| | baclofen, phenytoin, clonidine, or tizanidine). |
| | Approval duration: 1 year |
| Rheumatic Disorders | Approvar duration: 1 year |
| Dermatomyositis or Polymyositis | Treatment when BOTH of the following criteria are |
| Defination yestels of Forymyostels | met – documentation must be submitted: |
| | Member has an inadequate response or |
| | contraindication to corticosteroids (e.g., |
| | prednisone) |
| | 2. Member has an inadequate response or |
| | contraindication to immunosuppressants |
| | (e.g., azathioprine, methotrexate, |
| | cyclophosphamide) |
| | Approval duration: 1 year |
| Kawasaki Disease** | Diagnosis |
| | Approval duration: 3 months |
| Multisystem Inflammatory Syndrome in | Diagnosis |
| Children (MIS-C) following severe acute | Approval duration: 30 days |
| respiratory syndrome coronavirus 2 (SARS- | |
| CoV-2) infection** | |
| Infectious Disease | |
| Staphylococcal or streptococcal Toxic Shock | Acute treatment when one of the following is met: |
| Syndrome** | Infection refractory to aggressive |
| | treatment |
| | 2. Presence of an undrainable focus |
| | 3. Persistent oliguria with pulmonary edema |
| Nacalas past superius prophulavis** | Approval duration: 30 days |
| Measles post-exposure prophylaxis** | When one of the following is met: |
| | Member is immunocompromised (HIV, transplant, etc). |
| | 2. Member is pregnant without evidence of |
| | measles immunity |
| | Approval duration: 3 months |
| Maternal-fetal transmission of HIV in women | When used in conjunction with antiretroviral |
| who are in their third trimester of pregnancy** | treatment |
| and and an area area area area area area area a | Approval duration: 4 months |
| CMV pneumonia** | When all of the following are met: |
| - | Member is immunocompromised |

| | 2. Member has an inadequate response to |
|---|--|
| | standard treatment |
| | 3. Therapy is in combination with ganciclovir |
| | or foscarnet |
| | Appproval duration: 10 days |
| RSV** | When all of the following are met: |
| | Member is immunocompromised |
| | 2. Member has an inadequate response to |
| | standard treatment |
| | Appproval duration: 10 days |
| Parvovirus B19** | When ALL of the of following are met: |
| | Member is immunocompromised |
| | 2. Severe anemia associated with bone |
| | marrow suppression |
| | Appproval duration: 5 days |
| Varicella-zoster post-exposure prophylaxis** | When Varicella-zoster immune globulin is |
| | unavailable or contraindicated and ONE of the |
| | following is met: |
| | Member is immunocompromised |
| | 2. Member is pregnant without evidence of |
| | varicella immunity |
| | 3. Member is a neonate exposed at time of |
| | delivery |
| | 4. Member was exposed during hospitalization |
| | and is born premature (>28 weeks |
| | gestation) and mother does not have |
| | evidence of immunity |
| | 5. Member was exposed during hospitalization |
| | and is born premature at a low birth weight |
| | (<28 weeks gestation and weighs < 1 kg at |
| | birth) |
| | Appproval duration: 1 dose |
| Dermatology | T |
| Autoimmune mucocutaneous blistering | Treatment when EITHER of the following criteria are |
| diseases such as: | met: |
| Pemphigus vulgaris | 1. Member has an inadequate response or |
| Pemphigus folacious | contraindication to conventional therapy |
| Bullous pemphigoid | (corticosteroids, azathioprine, |
| Mucous membrane pemphigoid Trick and the R. Harris American | cyclophosphamide, or mycophenolate) |
| Epidermolysis Bullosa Acquisita | 2. Member has rapidly progressive disease in |
| | which conventional therapy would not |
| | achieve a response quickly enough AND |
| | IVIG will be initiated along with concurrent |
| | conventional therapy. |
| | Approval duration: 6 consecutive months |

- * Lack of protective antibody titers requires laboratory confirmation of failure to produce antibodies 3 to 4 weeks following tetanus (<0.1 IU/mL) OR failure to produce antibodies 4 to 8 weeks after administration of pneumococcal polysaccharide vaccine based on the following measures:
 - Age < 6 years, Concentration greater than 1.3 mcg/mL for <50% of serotypes
 - Age ≥ 6 years, Concentration greater than 1.3 mcg/mL for <70% of serotypes
- ** Diagnosis excluded from continuation criteria (i.e., initiation criteria must be met)
- [†] Quest diagnostics can perform the enzyme immunoassay that detects serum or plasma antibodies directed towards HLA class I antigens and platelet specific antigens (HPA-1 through HPA-8).
- [‡] Quest diagnostics can perform the Direct Coombs test.
- § IgG4 levels excluded
- II. Continuation of intravenous (IV), or subcutaneous (SC)immune globulin (including transitioning between products) meets the definition of medical necessity for the indications in Table 1 (exceptions noted) when ALL of the following criteria are met:
 - The member has been previously approved by Florida Blue or another health plan in the past 2 years for an indication in Table 1, OR the member has previously met all indication-specific criteria
 - 2. The member has a beneficial response to therapy documentation must be provided (e.g., medical record, chart note, lab report)
 - 3. In clinically appropriate indications, dose is titrated to the minimum effective dose and frequency to sustain clinical response
 - 4. IVIG will not be used in combination with SCIG
 - 5. **ONE** of the following:
 - i. The request is for Gammagard Liquid, Gammaked, Gamunex-C, Privigen, Flebogamma DIF, Hizentra, or Hyqvia
 - ii. The request is for Alyglo, Bivigam, Gammagard S/D, Gammaplex, Octagam, or Panzyga, and **ONE** of the following:
 - The member had an inadequate response, contraindication or intolerance to **TWO** of the following – documentation must be submitted:
 - a. Gammagard Liquid
 - b. Gammaked
 - c. Gamunex-C
 - d. Privigen
 - e. Flebogamma DIF
 - 2. The provider must submit a clinical reason as to why the member is unable to switch to Gammagard Liquid, Gammaked, Gamunex-C, Privigen, or Flebogamma DIF documentation must be submitted

- iii. The request is for Cuvitru, Cutaquig, or Xembify, and the member has inadequate response, contraindication or intolerance to Hizentra documentation must be submitted
- iv. The request is for Asceniv, and the member had an inadequate response, contraindication, or intolerance to all alternative commercially available IVIG products – documentation must be submitted

Approval duration: 1 year (6-month duration for encephalitis and encephalomyelitis indications in Table 1)

- III. Intravenous immune globulin (IVIG) or subcutaneous (SC)immune globulin (J1459, J1555, J1556, J1557, J1559, J1561, J1566, J1568, J1569, J1572, J1575, J1599, 90283, 90284): is considered experimental or investigational for the following conditions (not all-inclusive) due to the lack of clinical data to support the effects of better health outcomes:
 - Aplastic anemia
 - Adult AIDS
 - Asthma
 - Autism
 - Chronic fatigue syndrome
 - Chronic progressive multiple sclerosis
 - Chronic sinusitis
 - Cystic fibrosis
 - Diabetes mellitus
 - Diamond blackfan anemia
 - Epilepsy (adult or pediatric)
 - Hemolytic uremic syndrome
 - Inclusion body myositis
 - Nonimmune thrombocytopenia
 - Other vasculitides, besides Kawasaki disease
 - Paraneoplastic syndrome
 - Red cell aplasia
 - Refractory rheumatoid arthritis and other connective tissue diseases
 - Recurrent spontaneous abortion
 - Thrombotic thrombocytopenic purpura
 - Upper respiratory infection, recurrent
 - Prophylaxis of preterm or low birth weight infants without signs or symptoms of infection.

- IV. Intravenous immune globulin (IVIG) or subcutaneous (SC) immune globulin does not meet the definition of medical necessity for the following conditions:
 - Relapsing remitting multiple sclerosis
 - Steven-Johnson syndrome
 - Toxic epidermal necrolysis

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.

Dosage is highly variable depending on individual response, indication or product selected. Refer to prescribing literature (e.g., package insert, etc.).

Dosing should be calculated using adjusted body weight if one or more of the following criteria are met:

- Patient's body mass index (BMI) is 30kg/m² or more; **OR**
- Patient's actual body weight is 20% higher than his or her ideal body weight (IBW)

Use the following dosing formulas to calculate the adjusted body weight (round dose to nearest 5 gram increment in adult patients):

Dosing formulas:

BMI = 703 x (weight in pounds/height in inches²)

IBW(kg) for males = $50 + [2.3 \times (height in inches - 60)]$

IBW(kg) for females = $45.5 + [2.3 \times (height in inches - 60)]$

Adjusted body weight = IBW + 0.5 (actual body weight - IBW)

This information is not meant to replace clinical decision making when initiating or modifying medication therapy and should only be used as a guide. Patient-specific variables should be taken into account.

CONTRAINDICATIONS/PRECAUTIONS

Immune Globulin (IV, SC)

Black Box Warning

• IVIG products have been associated with renal dysfunction, acute renal failure, osmotic nephrosis, and death. Use caution in patients predisposed to acute renal failure (age> 65 yrs, use of nephrotoxic drugs, preexisting renal insufficiency, diabetes mellitus, volume depletion, sepsis, paraproteinemia) and administer at the minimum concentration available and the minimum rate of infusion practicable. Renal effects are more common with high sucrose content and high osmolality. Members should be appropriately hydrated prior to administration.

Thrombosis may occur regardless of the route of administration and in the absence of known
risk factors. Risk is increased with advanced age, prolonged immobilization, hypercoagulable
conditions, history of venous or arterial thrombosis, estrogen use, indwelling central vascular
catheters, hyperviscosity, and cardiovascular risk factors. Administer in patients at risk of
thrombosis at the minimum dose and infusion rate practical and ensure adequate hydration
prior to therapy. Monitor for signs and symptoms of thrombosis and assess blood viscosity in
persons at risk for hyperviscosity.

Contraindications

- Hereditary intolerance to fructose, including infants and neonates in whom tolerance to sucrose
 or fructose has not been established.
- Hyperprolinemia (Type I or II): L-proline contained in Hizentra and Privigen.
- Hypersensitivity to immune globulin or any component of the formulation (including polysorbate 80, hyaluronidase). Anaphylaxis, inflammatory reactions, characterized by a rise in temperature, chills, nausea, and vomiting, and hypersensitivity reactions may occur.
- Persons with selective IgA deficiency with antibodies against IgA, and a history of hypersensitivity.

Precautions

- Antibodies to PH20 (recombinant human hyaluronidase) can develop and cross react with endogenouse PH20 which is known to be expressed in adult male testes, epididymis and sperm.
 It is unknown if these antibodies interfere with fertilization in humans.
- Cardiovascular: elevations of systolic and diastolic blood pressure have been observed and blood pressure should be monitored during and following infusion.
- Endocrine: Falsely elevated glucose measurements may occur.
- Hematologic: Hemolysis and delayed hemolytic anemia may occur. Severe hemolysis-related renal dysfunction, renal failure and disseminated intravascular coagulation have been reported.
- Infection: infusion into or around an infected area can spread a localized infection.
- Infusion reactions: Severe hypersensitivity reactions have been reported and fever, chills,
 nausea vomiting may occur. Monitoring is recommended and discontinue for severe reactions.
- Immunologic: IVIG products are of human plasma origin and may contain infectious agents (including the Cruetzfeldt-Jakob disease agent).
- Metabolic: Hyperproteinemia, increased serum viscosity and hyponatremia or hypernatremia may occur.
- Neurologic: Aseptic meningitis syndrome may occur with high doses (≥1 gram/kg or rapid infusion).
- Pregnancy: IVIG is classified as Pregnancy risk category C. No complications to the fetus have been reported, but it has not been well studied in pregnant women.
- Renal: Acute renal dysfunction can rarely occur, usually within seven days of use. Avoid use in members with CrCl < 10 ml/min. Use caution in elderly and those with renal disease, diabetes,

sepsis, volume depletion, concomitant nephrotoxic agents, etc., due to the risk of renal dysfunction. Consider infusion at a rate less than maximum. Baseline renal function should be assessed prior to starting IVIG and periodically during administrations. Ensure that members are well-hydrated prior to therapy. If renal function worsens, consider discontinuing therapy or using products that do not contain sucrose (e.g. Gamunex).

- Respiratory: Transfusion-related acute lung injury may occur.
- Subcutaneous administration: Not recommended for ITP due to increased risk of hematoma. Do not inadvertently infuse subcutaneous form due to increased risk of thrombosis.
- Thrombosis: Use caution in members with a history of thrombotic events or cardiovascular disease. There is clinical evidence of a possible association between thrombotic events (i.e., deep vein thrombosis, myocardial infarction, cerebral vascular accident, etc.) and the administration of IVIG.
- Volume: Expanded fluid volume may cause overload with high-dose regimens for chronic ITP.

BILLING/CODING INFORMATION:

Note: This list of codes may not be all-inclusive.

HCPCS Coding:

| J1459 | Injection, immune globulin (Privigen), intravenous, non-lyophilized (e.g. liquid), 500 |
|-------|--|
| | mg |
| J1551 | Injection, immune globulin (Cutaquig), 100 mg |
| J1554 | Injection, immune globulin (Asceniv), 500 mg |
| J1555 | Injection, immune globulin (Cuvitru), 100 mg |
| J1556 | Injection, immune globulin (BIVIGAM), 500 mg |
| J1557 | Injection, immune globulin, (Gammaplex), intravenous, non-lyophilized (e.g. liquid), |
| | 500 mg |
| J1558 | Injection, immune globulin (Xembify), 100 mg |
| J1559 | Injection, immune globulin (Hizentra), 100 mg |
| J1561 | Injection, immune globulin, (Gamunex-C, Gammaked), intravenous, non-lyophilized |
| | (e.g., liquid), 500mg |
| J1566 | Injection, immune globulin, intravenous, lyophilized (e.g. powder) not otherwise |
| | specified, 500 mg (use for Carimune NF, Panglobulin NF, and Gammagard S/D) |
| J1568 | Injection, immune globulin, (Octagam), intravenous, non-lyophilized (e.g., liquid), |
| | 500mg |
| J1569 | Injection, immune globulin, (Gammagard liquid), intravenous, non-lyophilized (e.g., |
| | liquid), 500mg |
| J1572 | Injection, immune globulin, (Flebogamma/Flebogamma DIF), intravenous, non- |
| | lyophilized (e.g., liquid), 500mg |
| J1575 | Injection, immune globulin/hyaluronidase, (Hyqvia), 100 mg immune globulin |
| J1576 | Injection, immune globulin (Panzyga), intravenous, non-lyophilized (e.g., liquid), 500 |
| | mg |
| | |

| J1599 | Injection, immune globulin, intravenous, non-lyophilized (e.g., liquid), not otherwise |
|-------|--|
| | specified, 500 mg |
| J3590 | Unclassified biologics |

CPT Coding:

| 90283 | Immune Globulin (IgIV), human, for intravenous use |
|-------|--|
| 90284 | Immune Globulin (SCIg), human, for use in subcutaneous infusions |

ICD-10 Diagnoses Codes That Support Medical Necessity (IVIG, SCIG – J1459, J1551, J1554, J1555, J1556, J1557, J1558, J1559, J1561, J1566, J1568, J1569, J1572, J1575, J1599, 90283, 90284):

| A48.3 | Toxic shock syndrome |
|-----------------|---|
| B01.0 - B01.89 | Varicella |
| B05.0 - B05.89 | Measles |
| B06.0 - B06.89 | Rubella |
| B18.2 | Chronic viral hepatitis C |
| B20 | Human immunodeficiency virus [HIV] disease |
| B25.0 – B25.9 | Cytomegalovirus disease |
| B27.00 - B27.99 | Infectious mononeucleosis (Epstein Barr virus) |
| B34.3 | Parvovirus infection |
| B97.4 | Respiratory syncytial virus |
| C82 – C85.9 | Lymphomas (nonhodgkins) |
| C90.00 | Multiple myeloma not having achieved remission |
| C90.01 | Multiple myeloma in remission |
| C90.02 | Multiple myeloma in relapse |
| C91.0 - C91.02 | Acute lymphoblastic leukemia |
| C91.10 | Chronic lymphocytic leukemia of B-cell type not having achieved remission |
| C91.11 | Chronic lymphocytic leukemia of B-cell type in remission |
| C91.12 | Chronic lymphocytic leukemia of B-cell type in relapse |
| C92.00 - C92.02 | Acute myeloblastic leukemia |
| C92.40 - C92.42 | |
| C92.50 - C92.52 | |
| C92.60 - C92.62 | |
| C92.A0 – C92.A2 | |
| C92.1 – C92.12 | Chronic myeloblastic leukemia |
| D59.0 | Drug-induced autoimmune hemolytic anemia |
| D59.1 | Other autoimmune hemolytic anemias |
| D59.11 | Warm autoimmune hemolytic anemia |
| D69.3 | Immune thrombocytopenic purpura |
| D69.41 | Evans syndrome |
| D69.42 | Congenital and hereditary thrombocytopenia purpura |
| D69.49 | Other primary thrombocytopenia |

| D69.51 | Posttransfusion purpura |
|-------------------|---|
| D69.59 | Other secondary thrombocytopenia |
| D69.6 | Thrombocytopenia, unspecified |
| D80.0 | Hereditary hypogammaglobulinemia |
| D80.1 | Nonfamilial hypogammaglobulinemia |
| D80.3 | Selective deficiency of immunoglobulin G [IgG] subclasses |
| D80.4 | Selective deficiency of immunoglobulin M [IgM] |
| D80.5 | Immunodeficiency with increased immunoglobulin M [IgM] |
| D80.6 | Antibody deficiency with near-normal immunoglobulins or with |
| | hyperimmunoglobulinemia (Specific antibody deficiency) |
| D80.7 | Transient hypogammaglobulinemia of infancy |
| D80.8 | Other immunodeficiencies with predominant antibody defects |
| D80.9 | Immunodeficiency with predominantly antibody defects, unspecified |
| D81.0 | Severe combined immunodeficiency [SCID] with reticular dysgenesis |
| D81.1 | Severe combined immunodeficiency [SCID] with low T- and B-cell numbers |
| D81.2 | Severe combined immunodeficiency [SCID] with low or normal B-cell numbers |
| D81.3 | Adenosine deaminase deficiency |
| D81.6 | Major histocompatibility complex class I deficiency |
| D81.7 | Major histocompatibility complex class II deficiency |
| D81.89 | Other combined immunodeficiencies |
| D81.9 | Combined immunodeficiency, unspecified |
| D82.0 | Wiskott-Aldrich syndrome |
| D82.1 | DiGeorge Syndrome |
| D82.3 | Immunodeficiency following hereditary defective response to Epstein-Barr |
| | virus |
| D82.4 | Hyperimmunoglobulin E (IgE) syndrome |
| D82.8 | Immunodeficiency associated with other specified major defects |
| D82.9 | Immunodeficiency associated with major defect, unspecified |
| D83.0 | Common variable immunodeficiency with predominant abnormalities of B-cell |
| | numbers and function |
| D83.1 | Common variable immunodeficiency with prominent immunoregulatory T-cell |
| | disorder |
| D83.2 | Common variable immunodeficiency with autoantibodies to B- or T-cells |
| D83.8 | Other common variable immunodeficiencies |
| D83.9 | Common variable immunodeficiency, unspecified |
| D84.81 | Immunodeficiency due to conditions classified elsewhere |
| D84.821 | Immunodeficiency due to drugs |
| D84.89 | Other immunodeficiencies |
| D84.9 | Immunodeficiency unspecified |
| D89.810 | Acute graft-versus-host disease |
| D89.834 – D89.839 | Cytokine release syndrome |
| G04.00 – G04.02 | Acute disseminated encephalitis and encephalomyelitis |
| G04.81 | Other encephalitis and encephalomyelitis |

| G25.82 | Stiff-man syndrome |
|-------------------|--|
| G60.3 | Idiopathic progressive neuropathy |
| G60.8 | Other hereditary and idiopathic neuropathies |
| G60.9 | Hereditary and idiopathic neuropathies, unspecified |
| G61.0 | Guillian-Barre syndrome |
| G61.81 | Chronic inflammatory demyelinating polyneuritis |
| G61.82 | Multifocal motor neuropathy |
| G61.9 | Inflammatory polyneuropathy, unspecified |
| G62.89 | Other specified polyneuropathies |
| G70.00 | Myasthenia gravis without (acute) exacerbation |
| G70.01 | Myasthenia gravis with (acute) exacerbation |
| G70.80 | Lambert-Eaton syndrome, unspecified |
| G70.81 | Lambert-Eaton syndrome in disease classified elsewhere |
| J20.5 | Acute bronchitis due to RSV |
| L10.0 | Pemphigus vulgaris |
| L10.2 | Pemphigus foliaceous |
| L12.0 | Bullous pemphigoid |
| L12.1 | Cicatricial pemphigoid |
| L12.30 | Acquired epidermolysis bullosa, unspecified |
| L12.31 | Epidermolysis bullosa due to drug |
| L12.35 | Other acquired epidermolysis bullosa |
| L13.8 – L13.9 | Other specified bullous disorders |
| M30.3 | Mucocutaneous lymph node syndrome (Kawasaki) |
| M33.00 – M33.09 | Juvenile dermatopolymyositis, organ involvement |
| M33.20 – M33.29 | Polymyositis, organ involvement |
| M33.90 – M33.99 | Dermatopolymyositis, organ involvement unspecified |
| 098.511 – 098.519 | Other viral diseases complicating pregnancy |
| 098.713 | HIV disease complicating pregnancy |
| P07.00 - P07.30 | Disorders relating to short gestation and low birthweight code |
| P35.0 | Congenital rubella syndrome |
| P35.8 | Other congenital viral diseases |
| P35.9 | Congenital viral disease, unspecified |
| P55.0 – P55.1 | Hemolytic disease or fetus or newborn due to isoimmunization |
| P55.8 – P55.9 | |
| P61.0 | Transient neonatal thrombocytopenia |
| T45.1X5A | Adverse effect of antineoplastic and immunosuppressive drugs |
| T45.1X5D | |
| T45.1X5S | |
| T86.00 – T86.99 | Complications of transplanted organs |
| Z20.4 | Contact with or exposure to rubella |
| Z20.820 | Contact or exposure to varicella |
| Z20.828 | Contact or exposure to other viral diseases |
| Z29.9 | Encounter for other prophylactic measures |

REIMBURSEMENT INFORMATION:

Refer to section entitled **POSITION STATEMENT**.

PROGRAM EXCEPTIONS:

Federal Employee Program (FEP): Follow FEP guidelines.

State Account Organization (SAO): Follow SAO guidelines.

PPO Blue Script: Prior authorization is required. Authorization forms may be obtained from the Medication Review Unit of the Healthcare Program Management division.

Medicare Advantage Products: The following National Coverage Determination (NCD) was reviewed on the last guideline revised date: Intravenous Immune Globulin for the Treatment of Autoimmune Mucotaneous Blistering Disease, (250.3) located at cms.gov. The following Local Coverage Determinations (LCDs) were reviewed on the last guideline revised date: Intravenous Immune Globulin (L33610, L34007, L34771) located at fcso.com. 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:

Agammaglobulinemia: lack of antibodies.

Antibody: a protein substance developed in response to and interacting specifically with an antigen. This antigen-antibody reaction forms the basis of immunity.

Antigen: a substance that induces the formation of antibodies that interact specifically with it.

Dysgammaglobulinemia: deficiencies in one or more classes of immunoglobulins in the blood.

Hypogammaglobulinemia: not enough antibodies relapsing/remitting: coming and going, worsening then improving.

Immunodeficiency: a deficiency of immune response or a disorder characterized by deficient immune response.

Immunoglobulin: one of a family of closely related proteins capable of acting as antibodies; five classes are IgG, IgA, IgM, IgD, and IgE.

Immunomodulator: an agent that specifically or nonspecifically augments or diminishes immune response, i.e., an adjuvant, immunostimulant or immunosuppressant.

Isohemagglutinin: a hemagglutinin that agglutinates the erythrocytes of other individuals of the same species.

Isoimmunization: the development of specific antibodies as a result of antigenic stimulation using material derived from the red blood cells of another individual.

Kawasaki Disease: a syndrome of unknown etiology, usually affecting infants and young children, associated with vasculitis of the large common vessels and numerous other systemic signs.

NEMO Syndrome: Nuclear factor kappa-B essential modulator (NEMO) deficiency results from mutations in the inhibitor of kappa-B kinase gamma chain gene. Disease characteristics may include immunodeficiency, ectodermal dysplasia and abnormal thermal regulation.

Specific Antibody Disorder: an immune disease in which children and adults fail to develop the immune response to the polysaccharide coating on bacteria but who otherwise have normal antibody levels.

WHIM Syndrome: Warts, hypogammaglobulinemia, immunodeficiency, and myelokathexis (WHIM) syndrome is a rare congenital immunodeficiency characterized by susceptibility to papilloma viruses, lymphocytopenia with decreased memory B-cell counts, hypogammaglobulinemia, and peripheral neutropenia with retention of mature neutrophils in the bone marrow.

RELATED GUIDELINES:

None applicable.

OTHER:

Documentation of medical necessity should include the following:

- 1. Care Provider Notes
- 2. All Laboratories Studies.

Table 2: Common Terminology Criteria for Adverse Events v4.0 (CTCAE)

| Grade | Description |
|-------|---|
| 1 | Mild; asymptomatic or mild symptoms; clinical diagnostic observations only; intervention |
| | not indicated |
| 2 | Moderate; minimal, local or noninvasive intervention indicated; limited age-appropriate |
| | instrumental activities of daily living |
| 3 | Severe or medically significant but not immediately life-threatening; hospitalization or |
| | prolongation of hospitalization indicated; disabling; limiting self-care activities of daily living |
| 4 | Life-threatening consequences; urgent intervention indicated |
| 5 | Death related to adverse event |

Table 3: Excluded differential diagnosis in autoimmune encephalitis

| Disorder | |
|--------------------------|--|
| CNS infection | |
| Septic encephalopathy | |
| Metabolic encephalopathy | |

Drug toxicity (including use of illicit drugs, neurotoxic effect of prescribed medications, posterior reversable encephalopathy, idiosyncratic reaction (neuroleptic malignant syndrome), drug interaction (serotonergic syndrome), or drug withdrawal)

Cerebrovascular disease

Neoplastic disorders

Creutzfeldt-Jakob disease

Epileptic disorders

Rheumatologic disorders (e.g., lupus, sarcoidosis, other)

Kleine-Levin

Reye syndrome (children)

Mitochondrial diseases

Inborn errors of metabolism (children)

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COMMITTEE APPROVAL:

This Medical Coverage Guideline (MCG) was approved by the Florida Blue Pharmacy Policy Committee on 01/10/24.

GUIDELINE UPDATE INFORMATION:

| 12/15/99 | Medical Coverage Guideline Reformatted. |
|----------|--|
| 01/01/01 | Annual HCPCS coding update. |
| 07/15/01 | 3rd quarter HCPCS coding update. |
| 12/15/02 | Revision; consisting of updating coding. |
| 01/01/06 | HCPCS update, deleted expired codes J1563 and J1564, added new codes J1566 and |
| | J1567. |
| 05/15/06 | Review; added subcutaneous immune globulin. |
| 01/01/07 | HCPCS update, added J1562. MCG revised to include Medicare Part D as a program |
| | exception. |
| 04/15/07 | Review and revision; consisting of changing lab values for CVID for what is considered |
| | deficient, added note for CVID regarding normal IVIg but failure to produce antibodies |
| | with 2 consecutive pneumococcal or tetanus vaccines, added tables of IVIg laboratory |
| | values under OTHER, reformatted and updated references. |
| 06/15/07 | Revision; consisting of reformatting guideline; added HCPCS codes, modified criteria for |
| | agammaglobulinemia and updated references. |
| 01/01/08 | Annual coding update. Added CPT-4 code 90284, HCPCS codes J1561, J1568, J1569, |
| | J1571, J1572, J1573 and J2791. Deleted HCPCS codes J1567, Q4087, Q4088, Q4090, |
| | Q4091 and Q4092. |
| 04/01/08 | 2nd Quarter HCPCS coding update (added Q4097). |
| 04/15/08 | Review and revision; consisting of renaming MCG, added 2 new indications, reformatted |
| | and updated references and links. |
| 01/01/09 | Annual HCPCS coding update: revised descriptor for code J1572; deleted codes Q4097, |
| | 90765 and 90766; added 96365, 96366, and J1459. |
| 07/15/09 | Review and revision; consisting of updating references. |
| 06/15/10 | Revision; consisting of adding new agent. |
| 09/15/10 | Review and revision; consisting of updating references and review of current literature. |
| 10/01/10 | Revision; consisting of removing criteria for MMN and updating references. |
| 01/01/11 | Revision; consisting of updating coding. |
| 05/15/11 | Revision; consisting of further defining indications and reformatting the position |
| | statement. |
| 09/15/11 | Review and revision to guideline; consisting of no changes to the position statement. |
| 11/15/11 | Revision to guideline; consisting of refining coverage criteria for functional |
| | immunodeficiency and updating coding. |
| 01/01/12 | Revision to guideline; consisting of updating coding. |
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| 09/15/12 | Review and revision to guideline; consisting of updating position statement, precautions, |
|----------|--|
| 03/13/12 | coding and references. |
| 12/15/12 | Revision to guideline; consisting of updating coding. |
| 03/15/13 | Revision to guideline; consisting of updating position statement to include continuation |
| , , | criteria and adding new intravenous product. |
| 05/15/13 | Revision; Program Exceptions section updated. |
| 08/15/13 | Review and revision to guideline; consisting of revising position statement and updating |
| | references. |
| 8/15/14 | Review and revision to guideline; consisting of revising position statement and updating |
| | references. |
| 01/01/15 | Revision to guideline; consisting of update to Position Statement, Billing/Coding |
| | Information, |
| 03/15/15 | Revision to guideline; consisting of updating description and position statement. |
| 08/15/15 | Review and revision to guideline; consisting of revising position statement, |
| | warnings/precautions, coding and references. |
| 09/15/15 | Revision to guideline; consisting of updating coding. |
| 10/01/15 | Revision consisting of update to Program Exceptions section. |
| 11/01/15 | Revision: ICD-9 Codes deleted. |
| 01/01/16 | Annual HCPCS coding update: added code J1575. |
| 08/15/16 | Review and revision to guideline; consisting of revising description, position statement, |
| | dosing, warnings/precautions, coding and references. |
| 09/15/16 | Revision to site of service statement. |
| 10/01/16 | Update to ICD-10 codes. |
| 10/15/16 | Revision to site of service statement. |
| 11/15/16 | Revision to guideline; consisting of updating description and site of service statement |
| | with a new formulation. |
| 08/15/17 | Review and revision to guideline; consisting of revising position statement, coding and |
| | references. |
| 10/15/17 | Review and revision to guideline; consisting of updating position statement, coding and |
| 2.12.1.2 | references. |
| 01/01/18 | Annual HCPCS coding update: added HCPCS code J1555. |
| 03/15/18 | Revision to guideline; consisting of updating position statement, coding and references. |
| 04/15/18 | Revision to guideline; consisting of updating position statement, coding and references. |
| 07/15/18 | Review and revision to guideline; consisting of revising position statement and updating |
| | references. |
| 12/15/18 | Revision to guideline; consisting of revising description and references. |
| 09/15/19 | Review and revision to guideline; consisting of revising position statement, description, |
| | coding and references. |
| 11/11/19 | Revision to guideline consisting of adding a reference to the Site of Care Policy for Select |
| 05/45/20 | Specialty Medications and updating the Program Exceptions. |
| 05/15/20 | Revision to guideline consisting of updating the position statement. |
| 07/01/20 | Revision: Added HCPCS code J1558. |
| 10/01/20 | Revision to ICD-10 coding. |

| 12/15/20 | Review and revision to guideline; consisting of updating the position statement, coding |
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| | and references. |
| 01/01/21 | Revision: Added HCPCS code C9072 and deleted code C9399. |
| 03/15/20 | Revision to guideline; consisting of updating the position statement and coding. |
| 04/01/21 | Revision: Added HCPCS code J1554 and deleted code C9072. |
| 11/15/21 | Review and revision to guideline; consisting of updating the position statement, program |
| | exceptions, and references. |
| 07/01/22 | Revision: Added HCPCS code J1551. |
| 10/01/22 | Review and revision to guideline; consisting of updating the position statement to |
| | include step through preferred IVIG agents and inclusion of CAR T-cell associated |
| | cytokine release syndrome. Update to coding and references. |
| 05/15/23 | Review and revision to guideline; consisting of updating the position statement to |
| | include autoimmune encephalitis, acute disseminated encephalitis, and Rasmussen's |
| | encephalitis. |
| 07/01/23 | Revision: Added HCPCS code J1576. |
| 02/15/24 | Review and revision to guideline; consisting of updating the position statement to |
| | include Alyglo and updating references. |