

SCIG (immune globulin SQ): Hizentra®, Gammagard Liquid®, Gamunex®-C, Gammaked®, Hyqvia®, Cuvitru®, Cutaquig®, Xembify®

(Subcutaneous)

Effective Date: 01/01/2020

Review Date: 10/02/2019, 1/3/2019, 1/15/2020, 6/22/2020, 6/24/2021, 5/5/2022, 3/2/2023, 6/29/2023,

12/21/2023

Scope: Medicaid*, Commercial*, Medicare-Medicaid Plan (MMP)

*(Medication only available on the Medical Benefit except HyQvia for Commercial which is also available on the pharmacy benefit.)

I. Length of Authorization

Initial coverage will be provided for 6 months and may be renewed annually thereafter.

II. Dosing Limits

A. Quantity Limit (max daily dose) [NDC Unit]:

Drug Name	Dose/ week	Dose/28 days
Hizentra	46 g	184 g
Gamunex-C & Gammaked	42 g	168 g
Gammagard liquid	42 g	168 g
HyQvia	30 g	120 g
Cuvitru & Cutaquig	40 g	160 g
Xembify	42 g	168 g

B. Max Units (per dose and over time) [HCPCS Unit]:

Drug Name	Billable units/28 days
Hizentra	1680 (PID)
	1840 (CIDP)
Gamunex-C & Gammaked	336
Gammagard liquid	336
HyQvia	1200
Cuvitru & Cutaquig	1600

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Drug Name	Billable units/28 days
Xembify	1680

III. Initial Approval Criteria

Baseline values for BUN and serum creatinine are obtained within 30 days of request; AND

If requesting non preferred subcutaneous immune globulin formulations, such as Cuvitru, Cutaquig, Xembify, Hizentra or Hyqvia, the patient must have failure or intolerance to the following preferred formulations: Gammaked/Gamunex-C or Gammagard liquid (for patients that are currently on treatment with Cuvitru, Cutaquig, Xembify, Hizentra or Hyqvia, they can remain on treatment)

Coverage is provided in the following conditions:

Primary Immunodeficiency (PID) †

Such as: Wiskott -Aldrich syndrome, x-linked agammaglobulinemia, common variable immunodeficiency, transient hypogammaglobulinemia of infancy, IgG subclass deficiency with or without IgA deficiency, antibody deficiency with near normal immunoglobulin levels and combined deficiencies (severe combined immunodeficiencies, ataxiatelangiectasia, x-linked lymphoproliferative syndrome) [list not all inclusive]

- Patient is at least 2 years of age; **AND**
- Patient's has an IgG level <200 mg/dL OR
- Patient meets **both** of the following
 - Patient has a history of multiple hard to treat infections as indicated by at least one of the following:
 - Four or more ear infections within 1 year
 - Two or more serious sinus infections within 1 year
 - Two or more months of antibiotics with little effect
 - Two or more pneumonias within 1 year
 - Recurrent, deep skin or organ abscesses
 - Persistent thrush in mouth or fungal infection on the skin
 - Need for intravenous antibiotics to clear infections
 - Two or more deep-seated infections including septicemia
 - Family history of PID; AND
 - The patient has a deficiency in producing antibodies in response to vaccination; AND
 - Titers were drawn before challenging with vaccination; AND
 - Titers were drawn between 4 and 8 weeks of vaccination

Chronic Inflammatory Demyelinating Polyneuropathy (CIDP) [Hizentra ONLY] †

- Patient is at least 18 years of age; AND
- Physician has assessed baseline disease severity utilizing an objective measure/tool (e.g., INCAT, Medical Research Council (MRC) muscle strength, 6-MWT, Rankin, Modified Rankin, etc.); AND
 - O Used as initial maintenance therapy for prevention of disease relapses after treatment and stabilization with intravenous immunoglobulin (IVIG)\(\mathbb{c}\); **OR**
 - Used for re-initiation of maintenance therapy after experiencing a relapse and requiring re-induction therapy with IVIG (see Section IV for criteria)

§ Initial IVIG criteria used for determination of coverage: (Reference Use Only)

- Patient's disease course is progressive or relapsing and remitting for 2 months or longer; AND
- Patient has abnormal or absent deep tendon reflexes in upper or lower limbs; AND
- Electrodiagnostic testing indicating demyelination:
 - Partial motor conduction block in at least two motor nerves or in 1 nerve plus one other demyelination criterion listed here in at least 1 other nerve; **OR**
 - O Distal CMAP duration increase in at least 1 nerve plus one other demyelination criterion listed here in at least 1 other nerve; **OR**
 - Abnormal temporal dispersion conduction must be present in at least 2 motor nerves; OR
 - o Reduced conduction velocity in at least 2 motor nerves; OR
 - Prolonged distal motor latency in at least 2 motor nerves; OR
 - O Absent F wave in at least two motor nerves plus one other demyelination criterion listed here in at least 1 other nerve; **OR**
 - o Prolonged F wave latency in at least 2 motor nerves; AND
- Patient is refractory or intolerant to corticosteroids (e.g., prednisolone, prednisone, etc.) given in therapeutic doses over at least three months; AND
- Baseline in strength/weakness has been documented using an objective clinical measuring tool (e.g., INCAT, Medical Research Council (MRC) muscle strength, 6-MWT, Rankin, Modified Rankin, etc.)

† FDA Approved Indication(s)

IV. Renewal Criteria

Coverage can be renewed for 1 year based upon the following criteria:

- Patient continues to meet criteria identified in section III; AND
- Absence of unacceptable toxicity from the drug. Examples of unacceptable toxicity include: severe
 hypersensitivity/anaphylaxis, thrombosis, aseptic meningitis syndrome, hemolytic anemia, hyperproteinemia,
 acute lung injury, etc.; AND

• BUN and serum creatinine obtained within the last 6 months and the concentration and rate of infusion have been adjusted accordingly; **AND**

Primary Immunodeficiency (PID)

- Disease response as evidenced by one or more of the following:
 - o Decrease in the frequency of infection
 - o Decrease in the severity of infection

Chronic Inflammatory Demyelinating Polyneuropathy (CIDP) [Hizentra ONLY]

- Renewals will be authorized for patients that have demonstrated a beneficial clinical response to maintenance therapy, without relapses, based on an objective clinical measuring tool [e.g., INCAT, Medical Research Council (MRC) muscle strength, 6-MWT, Rankin, Modified Rankin, etc.]; OR
- Patient is re-initiating maintenance therapy after experiencing a relapse while on Hizentra; AND
 - o Patient improved and stabilized on IVIG treatment: **AND**
 - o Patient was NOT receiving maximum dosing of Hizentra prior to relapse

V. Dosage/Administration

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 30 kg/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
$BMI = 703 \text{ x (weight in pounds/height in inches}^2)$
IBW(kg) for males = $50 + [2.3 (height in inches -60)]$
IBW(kg) for females = $45.5 + [2.3 \text{ x (height in inches} - 60)]$
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.

Indication	ose	
Chronic	zentra ONLY:	
Inflammatory	Initiate therapy 1 week after the last IVIG dose	
Demyelinating	The recommended subcutaneous dose is 0.2 g/kg (1 mL/kg) body weight per week, administered in	1
Polyneuropathy	or 2 sessions over 1 or 2 consecutive days.	
(CIPD)	If CIDP symptoms worsen, consider increasing the .	

Dose
 the dose of 0.4 g/kg (2mL/kg) body weight per week, administered in 2 sessions per week over 1 or 2 consecutive days. If CIDP symptoms worsen on the 0.4 g/kg body weight per week dose, consider re-initiating therapy with an IVIG while discontinuing Hizentra.
Hizentra:
 Switching from IVIG Initiate therapy 1 to 2 weeks after the last IVIG dose Weekly dose: 1.37*(previous IVIG dose (g)/number of weeks between IVIG doses) May be administered from daily up to every two weeks (biweekly) Biweekly dose: twice the weekly dose (using calculation above) Frequent dosing (2-7 times per week): divide the calculated weekly dose by the desired number of times per week Switching from SCIG Initiate therapy 1 week after the last SCIG dose Weekly dose (in grams) should be same as the weekly dose of prior SCIG treatment (in grams) Biweekly dose: multiply the prior weekly dose by 2 Frequent dosing (2-7 times per week): divide the prior weekly dose by the desired number of times per weekly
week
Gamunex-C/Gammaked/Gammagard Liquid: Switching from IVIG Initiate therapy 1 week after the last IVIG doseWeekly dose: 1.37*(previous IVIG dose(g)/number of weeks between IVIG doses)
HyQvia:
 Naïve to IgG or switching from SCIG: 300 to 600 mg/kg at 3 to 4 week intervals after initial ramp-up* Switching from IVIG: use the same dose and frequency as the previous IV treatment after initial ramp-up*
Xembify:
 Switching from IVIG: Start treatment one week after the last IVIG infusion. Weekly dose: 1.37*(previous monthly (or every 3- week) IVIG dose in grams)/number of weeks between IVIG doses) To convert the dose in grams to mL, multiply the calculated initial SQ dose (in grams) by 5 Provided the total weekly dose is maintained, any dosing interval from daily up to weekly will achieve similar systemic IgG exposure when administered regularly at

Indication	Dose
	o Weekly dose (in grams) should be same as the weekly dose of prior SCIG treatment (in grams)
	Cuvitru:
	Switching from IVIG or HyQvia:
	o Initiate therapy 1 week after the last IVIG dose
	0
	 Weekly dose: 1.30*(previous IVIG or HyQvia dose (g)/number of weeks between IVIG or HyQvia doses)
	 May be administered from daily up to every two weeks (biweekly)
	o Biweekly dose: twice the weekly dose (using calculation above)
	 Frequent dosing (2-7 times per week): divide the calculated weekly dose by the desired number of times per week
	Switching from SCIG
	o Weekly dose (in grams) should be same as the weekly dose of prior SCIG treatment (in grams)
	 May be administered from daily up to every two weeks (biweekly)
	o Biweekly dose: multiply the prior weekly dose by 2
	 Frequent dosing (2-7 times per week): divide the calculated weekly dose by the desired number of times per week
	Cutaquig:
	(Start treatment one week after the last IVIG or SCIG infusion. Ensure that patients have received IVIG or SCIG treatment at regular intervals for at least 3 months)
	Switching from IVIG
	Weekly dose: 1.30*(previous IVIG dose (g)/number of weeks between IVIG doses)
	May be administered from daily up to every two weeks (biweekly)
	o Biweekly dose: multiply the calculated weekly dose by 2
	 Frequent dosing (2-7 times per week): divide the calculated weekly dose by the desired number of times per week
	Switching from SCIG
	 Weekly dose (in grams) should be same as the weekly dose of prior SCIG treatment (in grams)
	 May be administered from daily up to every two weeks (biweekly) Biweekly dose: multiply the prior weekly dose by 2
	• Frequent dosing (2-7 times per week): divide the prior weekly dose by the desired number of times per

Dosing for immunoglobulin products is highly variable depending on numerous patient specific factors, indication(s), and the specific product selected. For specific dosing regimens refer to current prescribing literature.

*HyQvia initial treatment interval/dosage ramp-up schedule

Week	Infusion Number	3-week treatment interval	4-week treatment interval
1	1st infusion	Dose in Grams X 0.33	Dose in Grams X 0.25



Week	Infusion Number	3-week treatment interval	4-week treatment interval
2	2 nd infusion	Dose in Grams X 0.67	Dose in Grams X 0.50
4	3 rd infusion	Total Dose in Grams	Dose in Grams X 0.75
7	4 th infusion	N/A	Total Dose in Grams

VI. Billing Code/Availability Information

HCPCS code & NDC:

Drug Name	Manufacturer	HCPCS Code or CPT Code	1 Billable unit	NDC	IgG (grams) per SDV	Volume (mL)
		71.70		44206-0451-01	1	5
Hizentra 20%	CSL Behring	J1559 — Injection, immune globulin (Hizentra), 100 mg	100 mg	44206-0452-02	2	10
riizeiitia 2070	AG	giodulii (Frizeritia), 100 mg	100 mg	44206-0454-04	4	20
				44206-0455-10	10	50
		14574		76125-0900-01	1	10
	17 1 '	J1561 Injection, immune globulin, (Gamunex-		76125-0900-25	2.5	25
Gammaked 10%	Kedrion Biopharma, Inc.	C/Gammaked), non-	500 mg	76125-0900-50	5	50
	Бюрнанна, не.	lyophilized (e.g. liquid), 500 mg		76125-0900-10	10	100
		mg		76125-0900-20	20	200
	Grifols Therapeutics			13533-0800-12	1	10
		J1561 — Injection, immune	500 mg	13533-0800-15	2.5	25
Gamunex-C 10%		globulin, (Gamunex- C/Gammaked), non- lyophilized (e.g. liquid), 500 mg		13533-0800-20	5	50
Gamunex-C 10%				13533-0800-71	10	100
				13533-0800-24	20	200
				13533-0800-40	40	400
		J1569 — Injection, immune	500 mg	00944-2700-02	1	10
	Baxter Healthcare			00944-2700-03	2.5	25
Gammagard Liquid		globulin, (Gammagard liquid), non-lyophilized, (e.g. liquid),		00944-2700-04	5	50
10%	Corporation	500 mg		00944-2700-05	10	100
	Gorporadon			00944-2700-06	20	200
				00944-2700-07	30	300
HyQvia 10% (with	D	J1575 — Injection, immune globulin/hyaluronidase, (Hyqvia), 100 mg immune globulin		00944-2510-02	2.5	25
Recombinant Human	Baxter Healthcare Corporation		100 mg	00944-2511-02	5	50
Hyaluronidase 160				00944-2512-02	10	100
U/mL)	1			00944-2513-02	20	200



Drug Name	Manufacturer	HCPCS Code or CPT Code	1 Billable unit	NDC	IgG (grams) per SDV	Volume (mL)
				00944-2514-02	30	300
				00944-2850-01	1	5
Cuvitru 20%	Baxalta US Inc.	J1555 – Injection, immune	100 mg	00944-2850-03	2	10
Cuvitiu 2070	Daxaita OS IIIC.	globulin (Cuvitru), 100 mg	100 mg	00944-2850-05	4	20
				00944-2850-07	8	40
				68892-0810-01	1	6
				68892-0810-02	1.65	10
Costs and 17 E0/	Octapharma	J1551	N/A	68892-0810-03	2	12
Cutaquig 16.5%				68892-0810-04	3.3	20
				68892-0810-05	4	24
				68892-0810-06	8	48
				13533-0810-05	1	5
Xembify 20%	Grifols	90284; J1558	N/A	13533-0810-10	2	10
Aemony 20%				13533-0810-20	4	20
				13533-0810-50	10	50
Immune Globulin, Human,	N/A	J3590 – unclassified biologic; C9399 – unclassified drug or biological	N/A	N/A	N/A	N/A
Subcutaneous		90284 – immune globulin (SCIg), human, for use in subcutaneous infusions				

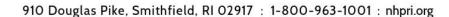
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Appendix 1 – Covered Diagnosis Codes

ICD-10	ICD-10 Description	
B20	Human immunodeficiency virus [HIV] disease	
D80.0	Hereditary hypogammaglobulinemia	





ICD-10	ICD-10 Description		
D80.1	Nonfamilial hypogammaglobulinemia		
D80.2	Selective deficiency of immunoglobulin A [IgA]		
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]		
D80.7	Transient hypogammaglobulinemia of infancy		
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		
D81.6	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		
D83.0	Common variable immunodeficiency with predominant abnormalities of B-cell numbers and function		
D83.2	Common variable immunodeficiency with autoantibodies to B- or T-cells		
D83.8	Other common variable immunodeficiencies		
D83.9	Common variable immunodeficiency, unspecified		
G61.81	Chronic inflammatory demyelinating polyneuritis		
G61.89	Other inflammatory polyneuropathies		
G62.89	Other specified polyneuropathies		

Appendix 2 - Centers for Medicare and Medicaid Services (CMS)

Medicare coverage for outpatient (Part B) drugs is outlined in the Medicare Benefit Policy Manual (Pub. 100-2), Chapter 15, §50 Drugs and Biologicals. In addition, National Coverage Determination (NCD) and Local Coverage Determinations (LCDs) may exist and compliance with these policies is required where applicable. They can be found at: http://www.cms.gov/medicare-coverage-database/search/advanced-search.aspx. Additional indications may be covered at the discretion of the health plan.



Medicare Part B Covered Diagnosis Codes (applicable to existing NCD/LCD):

Jurisdiction(s): N NCD/LCD/Article Document (s): L34007

https://www.cms.gov/medicare-coverage-database/search/lcd-date-search.aspx?DocID=L34007&bc=gAAAAAAAAAAAA==

Jurisdiction(s): 5,8 NCD/LCD/Article Document (s): L34771

https://www.cms.gov/medicare-coverage-database/search/lcd-date-search.aspx?DocID=L34771&bc=gAAAAAAAAAAAAA==

Medicare Part B Administrative Contractor (MAC) Jurisdictions			
Jurisdiction	Applicable State/US Territory	Contractor	
E (1)	CA, HI, NV, AS, GU, CNMI	Noridian Healthcare Solutions, LLC	
F (2 & 3)	AK, WA, OR, ID, ND, SD, MT, WY, UT, AZ	Noridian Healthcare Solutions, LLC	
5	KS, NE, IA, MO	Wisconsin Physicians Service Insurance Corp (WPS)	
6	MN, WI, IL	National Government Services, Inc. (NGS)	
H (4 & 7)	LA, AR, MS, TX, OK, CO, NM	Novitas Solutions, Inc.	
8	MI, IN	Wisconsin Physicians Service Insurance Corp (WPS)	
N (9)	FL, PR, VI	First Coast Service Options, Inc.	
J (10)	TN, GA, AL	Palmetto GBA, LLC	
M (11)	NC, SC, WV, VA (excluding below)	Palmetto GBA, LLC	
L (12)	DE, MD, PA, NJ, DC (includes Arlington & Fairfax counties and the city of Alexandria in VA)	Novitas Solutions, Inc.	
K (13 & 14)	NY, CT, MA, RI, VT, ME, NH	National Government Services, Inc. (NGS)	
15	КҮ, ОН	CGS Administrators, LLC	