

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

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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, Gammagard liquid & Gammaked	42 g	168 g
HyQvia	40 g	160 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	1840 (CIDP) 1680 (PID)
Gamunex-C, Gammaked, & Gammagard liquid	336
Cuvitru & Cutaquig	1600
Xembify	1680

Drug Name	Loading Dose	Maintenance Dose
	Billable units	Billable units/21 days



HyQvia (CIDP)	Week 1: 0	1600
	Week 2: 400	
	Week 3: 400	
	Week 4: 800	
	Week 6: 1200	
	Week 9: 1600	
HyQvia (PID)	Week 1: 300	1200
	Week 2: 600	

III. Initial Approval Criteria 1-8,12,15,18

Coverage is provided in the following conditions:

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

Primary Immunodeficiency (PID) † 1-8,11,12,18,35

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, ataxia-telangiectasia, x-linked lymphoproliferative syndrome) [list not all inclusive]

- Patient is at least 2 years of age; AND
 - o Patient has an IgG level <200 mg/dL; **OR**
 - o Patient meets both of the following:
 - Patient has a history of multiple hard to treat infections as indicated by at least <u>one</u> 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 the 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 and HyQvia ONLY] $\dagger \Phi$ 3,4,21,36



- 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
 - Used as initial maintenance therapy for prevention of disease relapses after treatment and stabilization with intravenous immunoglobulin (IVIG)§; **OR**
 - Used for re-initiation of maintenance therapy after experiencing a relapse and requiring reinduction therapy with IVIG (see Section IV for criteria)

Acquired Immune Deficiency Secondary to Chronic Lymphocytic Leukemia (CLL)/ Small Lymphocytic Lymphoma (SLL) ‡ 31,32,35

- Patient has an IgG level <200 mg/dL; OR
- Patient has an IgG level <500 mg/dL; AND
 - Patient has recurrent sinopulmonary infections requiring IV antibiotics or hospitalization;
 OR
- Patient meets both of the following:
 - Patient has a history of multiple hard to treat infections as indicated by at least <u>one</u> 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 the mouth or fungal infection on the skin
 - Need for intravenous antibiotics to clear infections
 - Two or more deep-seated infections including septicemia; 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

<u>Note</u>: other secondary immunodeficiencies resulting in hypogammaglobulinemia and/or B-cell aplasia will be evaluated on a case-by-case basis

§ Refer to the Immune Globulins medical necessity criteria (Document Number: IC-0071) for the relevant intravenous criteria requirements

† FDA Approved Indication(s); ‡ Compendia Recommended Indication(s); ♠ Orphan Drug

IV. Renewal Criteria 1-8,15,18,36

Coverage may be renewed based upon the following criteria:

SCIG: Hizentra, Gammagard Liquid, Gamunex-C, Gammaked, HyQvia, Cuvitru, Cutaquig, Xembify Prior Auth Criteria



- Patient continues to meet the indication-specific relevant 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:
 - Decrease in the frequency of infection
 - o Decrease in the severity of infection

Chronic Inflammatory Demyelinating Polyneuropathy (CIDP) [Hizentra and HyQvia 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 or HyQvia; AND
 - o Patient improved and stabilized on IVIG treatment: AND
 - o Patient was NOT receiving maximum dosing of Hizentra or HyQvia prior to relapse

Acquired Immune Deficiency secondary to Chronic Lymphocytic Leukemia (CLL)/ Small Lymphocytic Lymphoma (SLL) 31,32

- Disease response as evidenced by one or more of the following:
 - o Decrease in the frequency of infection
 - Decrease in the severity of infection; AND
- Continued treatment is necessary to decrease the risk of infection

V. Dosage/Administration^{1-8,13-15,31-34}

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

SCIG: Hizentra, Gammagard Liquid, Gamunex-C, Gammaked, HyQvia, Cuvitru, Cutaquig, Xembify

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

IBW (kg) for males = 50 + [2.3 (height in inches – 60)]

IBW (kg) for females = 45.5 + [2.3 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	Dose �				
Chronic Inflammatory Demyelinating Polyneuropathy (CIDP)	 The recommadminister If CIDP synthetic s	mended some ded in 1 or imptoms week, addingtons were detected by the control of	2 sessions over 1 or 2 consectors on consider increasing ministered in 2 sessions over the corsen on the 0.4 g/kg body ith an IVIG while disconting stable doses of IVIG prior the case of	g (1 mL/kg) body weight per ecutive days. the dose to 0.4 g/kg (2 mL/k er 1 or 2 consecutive days. weight per week dose, consi uing Hizentra.	g) body der re- e to plan for yeeks ht's previous ks. For interval can nt IgG dose. st IVIG equivalent
	tolerability	(see tabl			
		\\\\c*	HyQvia Dose Ramp-up		
	_	Week*	Infusion Number No infusion	Dose Interval Not applicable	
		2	1st infusion	1-week-dose	
	<u> </u>	3	2 nd infusion	1-week-dose	
	-	4	3 rd infusion	2-week-dose	
	<u> </u>	5	No infusion	Not applicable	
		6	4 th infusion	3-week-dose	



Indication	Dose �					
		7	No infusion	Not applicable		
		8	No infusion	Not applicable		
		9	$5^{ m th}$ infusion	4-week-dose		
	*Clock	starts one we	eek after the last IVIG dose	is administered. Week 1 is the week		
	that sta	arts one week	after the last IVIG dose.			
	<u>Hizentra:</u>					
	 Switchi 	ng from IVIC	j.			
	0	Initiate ther	apy 1 to 2 weeks after the la	ast IVIG dose		
Primary	0	•	: 1.37*(previous IVIG dose	(g)/number of weeks between IVIG		
Immune		doses)				
Deficiency (PID)	o May be administered from daily up to every two weeks (biweekly)					
AND	 Biweekly dose: twice the weekly dose (using calculation above) Frequent dosing (2-7 times per week): divide the calculated weekly dose by the 					
Acquired	0	=	ber of times per week	ivide the calculated weekly dose by the	пе	
Immune	Switching from SCIG					
Deficiency	o Initiate therapy 1 week after the last SCIG dose					
secondary to	Weekly dose (in grams) should be same as the weekly dose of prior SCIG					
Chronic	O	treatment (in	=	as the weekly dose of prior serio		
Lymphocytic Leukemia	0		se: multiply the prior weekl	y dose by 2		
(CLL)/Small	0			ivide the prior weekly dose by the		
Lymphocytic		desired num	ber of times per week			
Lymphoma	Gamunex-C/Gammaked/Gammagard Liquid:					
(SLL)		ng from IVIC				
		Ü	apy 1 week after the last IV	TG dose		
	0			g)/number of weeks between IVIG		
		doses)	4-1123. 4000 (<i>D</i>		





ndication	Dose ❖					
	 HyQvia: Naïve to immune globulin treatment or switching from SCIG: 300 to 600 mg/kg at 4 week intervals after initial ramp-up (see table below) Switching from IVIG: use the same dose and frequency as the previous IV treatment after initial ramp-up (see table below) NOTE: For patients previously on another IgG treatment, initiate therapy 1 week after the last infusion of IVIG or SCIG 					
	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					
	2 2nd infusion Dose in Grams X 0.67 Dose in Grams X 0.50 4 3rd infusion Total Dose in Grams Dose in Grams X 0.75					
	7 4 th infusion Total Dose in Grams Total Dose in Grams 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) 					
	Switching from SCIG					
	 Weekly dose (in grams) should be same as the weekly dose of prior SCIG treatment (in grams) 					
	Cuvitru: Switching from IVIG or HyQvia					
	 Initiate therapy 1 week after the last IVIG or Hyqvia dose 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) Biweekly dose: twice the weekly dose (using calculation above) Frequent dosing (2-7 times per week): divide the calculated weekly dose by 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) 					

o May be administered from daily up to every two weeks (biweekly)

Frequent dosing (2-7 times per week): divide the prior weekly dose by the

Biweekly dose: multiply the prior weekly dose by 2





desired number of times per week

Indication	Dose ❖						
	Cutaquig:						
	NOTE: 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) 						
	o Biweekly dose: multiply the prior weekly dose by 2						
	o Frequent dosing (2-7 times per week): divide the prior weekly dose by the						
	desired number of times per week						

[❖] 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.

VI. Billing Code/Availability Information

HCPCS Code(s) & NDC(s):

Drug Name*	Manufacturer	HCPCS Code	1 Billable unit	NDC	IgG (grams) per vial/syringe	Volume (mL)
				44206-0451-01	1	5
Hizentra 20%	CSL Behring	S	100 mg	44206-0452-02	2	10
(Vials)	AG			44206-0454-04	4	20
				44206-0455-10	10	50
				44206-0456-21	1	5
Hizentra 20% (Prefilled Syringes)	CSL Behring AG	J1559 – Injection, immune globulin (Hizentra), 100 mg	100 mg	44206-0457-22	2	10
			100 mg	44206-0458-24	4	20
				44206-0455-25	10	50



Drug Name*	Manufacturer	HCPCS Code	1 Billable unit	NDC	IgG (grams) per vial/syringe	Volume (mL)
				76125-0900-01	1	10
		J1561 - Injection, immune globulin, (Gamunex-C/		76125-0900-25	2.5	25
Gammaked	Grifols	Gammaked), non-	500 mg	76125-0900-50	5	50
10%	Therapeutics	lyophilized (e.g., liquid), 500		76125-0900-10	10	100
		mg		76125-0900-20	20	200
				13533-0800-12	1	10
		J1561 — Injection, immune		13533-0800-15	2.5	25
Gamunex-C	Grifols	globulin, (Gamunex-	500 mg	13533-0800-20	5	50
10%	Therapeutics	C/Gammaked), non- lyophilized (e.g., liquid), 500	500 mg	13533-0800-71	10	100
		mg		13533-0800-24	20	200
				13533-0800-40	40	400
				00944-2700-02	1	10
		J1569 – Injection, immune		00944-2700-03	2.5	25
Gammagard	Baxalta US	globulin, (Gammagard liquid), non-lyophilized,	500 mg	00944-2700-04	5	50
Liquid 10%	Inc.	(e.g., liquid), 500 mg		00944-2700-05	10	100
				00944-2700-06	20	200
				00944-2700-07	30	300
HyQvia 10%		J1575 — Injection, immune	100 mg	00944-2510-02	2.5	25
(with				00944-2511-02	5	50
Recombinant Human Hyaluronidase 160 U/mL) Baxalta US Inc.		globulin/ hyaluronidase,		00944-2512-02	10	100
	(Hyqvia), 100 mg immune globulin	-	00944-2513-02	20	200	
			00944-2514-02	30	300	
				00944-2850-01	1	5
	D 1 HG			00944-2850-03	2	10
Cuvitru 20%	Baxalta US Inc.	J1555 – Injection, immune globulin (Cuvitru), 100 mg	100 mg	00944-2850-05	4	20
	inc.	giodaini (cavitra), 100 mg		00944-2850-07	8	40
			-	00944-2850-09	10	50
				00069-1061-01	1	6
		IIEE1 Injection immune		00069-1802-01	1.65	10
Cutaquig	Octapharma	J1551 – Injection, immune globulin (cutaquig), 100 mg	100 mg	00069-1476-01	2	12
16.5%	Cetapharma		100 mg	00069-1960-01	3.3	20
				00069-1509-01	4	24
				00069-1965-01	8	48
			10-	13533-0810-05	1	5
Xembify 20%	Grifols	J1558 — Injection, immune globulin (Xembify), 100 mg	100 mg	13533-0810-10	2	10
11011151119 2070	GIIIOIS			13533-0810-20	4	20
				13533-0810-50	10	50

SCIG: Hizentra, Gammagard Liquid, Gamunex-C, Gammaked, HyQvia, Cuvitru, Cutaquig, Xembify Prior Auth Criteria



Drug Name*	Manufacturer	HCPCS Code	1 Billable unit	NDC	IgG (grams) per vial/syringe	Volume (mL)
Immune Globulin, Human, Subcutaneous	N/A	J3590 – unclassified biologics C9399 – unclassified drugs or biologicals	N/A	N/A	N/A	N/A

^{*90284 -} immune globulin (SCIg), human, for use in subcutaneous infusions

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Appendix 1 – Covered Diagnosis Codes (All Products)

ICD-10	ICD-10 Description
C83.00	Small cell B-cell lymphoma, unspecified site
C83.01	Small cell B-cell lymphoma, lymph nodes of head, face, and neck
C83.02	Small cell B-cell lymphoma, intrathoracic lymph nodes
C83.03	Small cell B-cell lymphoma, intra-abdominal lymph nodes
C83.04	Small cell B-cell lymphoma, lymph nodes of axilla and upper limb
C83.05	Small cell B-cell lymphoma, lymph nodes of inguinal region and lower limb
C83.06	Small cell B-cell lymphoma, intrapelvic lymph nodes
C83.07	Small cell B-cell lymphoma, spleen
C83.08	Small cell B-cell lymphoma, lymph nodes of multiple sites
C83.09	Small cell B-cell lymphoma, extranodal and solid organ sites
C91.10	Chronic lymphocytic leukemia of B-cell type not having achieved remission
C91.12	Chronic lymphocytic leukemia of B-cell type in relapse
D80.0	Hereditary hypogammaglobulinemia
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

ICD-10	ICD-10 Description	
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	

Additional covered diagnosis codes applicable to Hizentra and Hyqvia ONLY:

ICD-10	ICD-10 Description	
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)

The preceding information is intended for non-Medicare coverage determinations. 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 Determinations (NCDs) and/or Local Coverage Determinations (LCDs) may exist and compliance with these policies is required where applicable. Local Coverage Articles (LCAs) may also exist for claims payment purposes or to clarify benefit eligibility under Part B for drugs which may be self-administered. The following link may be used to search for NCD, LCD, or LCA documents: https://www.cms.gov/medicare-coveragedatabase/search.aspx. Additional indications, including any preceding information, may be applied at the discretion of the health plan.

Medicare Part B Covered Diagnosis Codes					
Jurisdiction	NCD/LCA/LCD Document (s)	Contractor			
H, L	A56786	Novitas Solutions, Inc.			
N	A57778	First Coast Service Options, Inc.			
5, 8	A57554	Wisconsin Physicians Service Insurance Corporation			

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.			



Medicare Part B Administrative Contractor (MAC) Jurisdictions					
Jurisdiction	Applicable State/US Territory	Contractor			
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	KY, OH	CGS Administrators, LLC			

