

Bortezomib* (Intravenous Only)

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I. Length of Authorization 1,2,6,9,15,26,27,36-42

Coverage will be provided for 6 months and may be renewed unless otherwise specified.

- <u>Initial treatment for Multiple Myeloma</u>: Coverage will be provided for a total of 9 cycles (42-days per cycle).
- Re-treatment of Multiple Myeloma, initial treatment of Mantle Cell Lymphoma, & Adult T-Cell Leukemia/Lymphoma: Coverage will be provided for a total of 8 cycles (21-days per cycle).
- Systemic Light Chain Amyloidosis as a single agent or in combination with cyclophosphamide and/or dexamethasone: Coverage will be provided for a total of 8 cycles (35-days per cycle as a single agent; 21- or 28-days per cycle in combination with cyclophosphamide and/or dexamethasone).
- Systemic Light Chain Amyloidosis in combination with melphalan and dexamethasone: Coverage will be provided for a total of 9 cycles (21-days per cycle).
- Systemic Light Chain Amyloidosis in combination with lenalidomide and dexamethasone: Coverage will be provided for a total of 8 cycles (28-days per cycle).
- Systemic Light Chain Amyloidosis in combination with daratumumab and hyaluronidasefihj, cyclophosphamide, and dexamethasone: Coverage will be provided for a total of 2 years.
- Waldenström's Macroglobulinemia in combination with rituximab and/or dexamethasone: Coverage will be provided for a total of 6 cycles (28-days per cycle) or 8 cycles (21-days per cycle).
- <u>Pediatric Hodgkin Lymphoma</u>: Coverage will be provided for a total of 4 cycles (21-days per cycle).



Dosing Limits II.

- A. Quantity Limit (max daily dose) [NDC Unit]:
 - Bortezomib 3.5 mg powder for injection single-dose vial: 8 vials per 28 day supply
- B. Max Units (per dose and over time) [HCPCS Unit]:
 - Multiple Myeloma & Systemic Light Chain Amyloidosis:
 - 280 billable units every 35 days
 - Kaposi Sarcoma & Waldenström's Macroglobulinemia:
 - 210 billable units every 28 days
 - **Pediatric Hodgkin Lymphoma:**
 - 105 billable units every 21 days
 - All Other Indications:
 - 140 billable units every 21 days

Initial Approval Criteria 1-3 III.

Coverage is provided in the following conditions:

Patient is at least 18 years of age (unless otherwise specified); **AND**

Universal Criteria 1,2

Will not be administered intrathecally; **AND**

Multiple Myeloma † ‡ 1-6,14,16-21,25-27

- Used in combination with a corticosteroid-containing regimen as primary therapy for symptomatic disease or for relapse (re-treatment) after 6 months following primary induction therapy with the same regimen; OR
- Used as maintenance therapy; AND
 - o Used as a single agent; **OR**
 - Used in combination with lenalidomide (without dexamethasone); **OR**
 - Used in combination with lenalidomide and dexamethasone for transplant candidates; OR
- Used for relapsed or progressive disease in combination with a dexamethasone-containing regimen; OR
- Used in combination with dexamethasone in patients with a confirmed diagnosis of POEMS (polyneuropathy, organomegaly, endocrinopathy, monoclonal protein, skin changes) syndrome

Mantle Cell Lymphoma - B-Cell Lymphoma † 1,2,3,13,22-24,28

- Used as induction or additional therapy; AND
 - Used as a component of VR-CAP (bortezomib, rituximab, cyclophosphamide, doxorubicin, and prednisone); OR
- Used as subsequent therapy; AND



- o Used as a single agent; OR
- Used in combination with rituximab

Systemic Light Chain Amyloidosis ‡ 3,11

- Patient has newly diagnosed disease OR used as repeat initial therapy if relapse-free for several years; AND
 - o Used in combination with cyclophosphamide and dexamethasone; **OR**
 - o Used as a single agent; OR
 - \circ Used in combination with dexamethas one with or without melphalan or lenalidomide; \mathbf{OR}
 - Used in combination with daratumumab and hyaluronidase-fihj, cyclophosphamide, and dexamethasone; OR
- Patient has relapsed or refractory disease; AND
 - O Used as a single agent; **OR**
 - Used in combination with dexamethasone with or without melphalan

Waldenström's Macroglobulinemia/Lymphoplasmacytic Lymphoma (WM/LPL) ‡ 3,6,12,15,30

- Used in combination with dexamethasone and rituximab; **OR**
- Used as a single agent; **OR**
- Used in combination with rituximab; OR
- Used in combination with dexamethasone

Multicentric Castleman's Disease – B-Cell Lymphoma ‡ 3,13

- Used as subsequent therapy; **AND**
- Patient has progressed following treatment for relapsed/refractory or progressive disease;
 AND
- Used as a single agent or in combination with rituximab

Adult T-Cell Leukemia/Lymphoma ‡ 3,8,10,38

- Used as a single agent; **AND**
- Used as subsequent therapy for non-responders to first-line therapy for acute disease or lymphoma subtypes

Acute Lymphoblastic Leukemia (ALL) – Adult* ‡ 3,9

- Used in combination with chemotherapy; **AND**
- Patient has relapsed/refractory Philadelphia (Ph) chromosome negative T-cell disease (T-ALL)

Pediatric Acute Lymphoblastic Leukemia (ALL) ‡ 3,9,29



^{*}NCCN recommendations for ALL may be applicable to adolescent and young adult (AYA) patients within the age range of 15-39 years.

- Patient is at least 1 year of age**; AND
 - o Patient has relapsed or refractory B-cell disease (B-ALL); **AND**
 - Used as a component of the COG AALL07P1 regimen (bortezomib, vincristine, doxorubicin, pegaspargase, prednisone); AND
 - ➤ Patient has Philadelphia (Ph) chromosome negative disease; **OR**
 - ➤ Used in combination with dasatinib or imatinib for Philadelphia (Ph) chromosome positive disease; **OR**
 - o Patient has relapsed or refractory T-cell disease (T-ALL); AND
 - Used in combination with a corticosteroid (e.g., prednisone or dexamethasone),
 vincristine, doxorubicin, and pegaspargase

Kaposi Sarcoma ‡ 3,42

- Used as subsequent therapy for relapsed or refractory disease; AND
- Patient has advanced cutaneous, oral, visceral, or nodal disease; AND
- Patient has progressed on or not responded to first-line therapy; **AND**
- Patient has progressed on alternate first-line therapy; AND
 - o Used as a single-agent in patients without human immunodeficiency virus (HIV); **OR**
 - o Used in combination with antiretroviral therapy (ART) for patients with HIV

Pediatric Hodgkin Lymphoma ‡ 3,45

- Patient age is 18 years and under***; AND
- Used for relapsed or refractory disease in combination with ifosfamide and vinorelbine

*Bortezomib was approved by the FDA as a 505(b) (2) NDA of the innovator product, Velcade (bortezomib) for Injection, for intravenous use only and thus should NOT be considered therapeutically interchangeable (i.e. not suitable for substitution) for other non-approved indications.

† FDA Approved Indication(s); ‡ Compendia recommended indication(s); **\Phi** Orphan Drug

IV. Renewal Criteria 1,2,7

Coverage can be renewed based upon the following criteria:

• Patient continues to meet universal and other indication-specific relevant criteria such as concomitant therapy requirements (not including prerequisite therapy), performance status, etc. identified in section III; **AND**



^{**}NCCN recommendations for Pediatric ALL may be applicable to certain adolescent and young adult (AYA) patients up to 31 years of age.

^{***}Pediatric Hodgkin Lymphoma patients may include certain adolescent and young adult (AYA) patients up to 39 years of age.

- Disease response with treatment as defined by stabilization of disease or decrease in size of tumor or tumor spread; AND
- Absence of unacceptable toxicity from the drug. Example of unacceptable toxicity include peripheral neuropathy, hypotension, cardiac toxicity, pulmonary toxicity, posterior reversible encephalopathy syndrome (PRES), gastrointestinal toxicity, thrombocytopenia, neutropenia, tumor lysis syndrome, hepatic toxicity, thrombotic microangiopathy, etc.

Dosage/Administration 1,2,6,7,9,15,26,27,31,36-46 ٧.

Indication	ose		
Multiple Myeloma – initial treatment	3 mg/m² intravenously (IV) in combination with oral melphalan and oral ednisone for nine 6-week treatment cycles. In cycles 1-4, bortezomib is yen twice weekly (days 1, 4, 8, 11, 22, 25, 29, and 32). In cycles 5-9, rtezomib is given once weekly (days 1, 8, 22, and 29).		
Multiple Myeloma – maintenance therapy	levery 35 days until disease progression or unacceptable toxicity		
Multiple Myeloma – re-treatment	1.3 mg/m² IV twice weekly (days 1, 4, 8, and 11) followed by a 10-day rest period (days 12-21) for up to 8 cycles		
Mantle Cell Lymphoma – previously untreated	1.3 mg/m² IV in combination with rituximab, cyclophosphamide, doxorubicin, and oral prednisone for six 3-week treatment cycles. Bortezomib is given twice weekly (days 1, 4, 8, and 11) followed by a 10-day rest period on days 12-21. For patients with a response first documented at cycle 6, two additional cycles are recommended.		
1.3 mg/m² IV twice weekly (days 1, 4, 8, and 11) followed by a 10 period (days 12-21) Mantle Cell Lymphoma – relapsed Telapsed 1.3 mg/m² IV twice weekly (days 1, 4, 8, and 11) followed by a 10 period (days 12-21) For extended therapy of more than 8 cycles, bortezomib may administered on the standard schedule or, for relapsed mult myeloma, on a maintenance schedule of once weekly for 4 weekly (days 1, 4, 8, and 11) followed by a 10 period (days 12-21)			
Systemic Light Chain Amyloidosis	In combination with cyclophosphamide and/or devamethasone:		



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	1.3 mg/m ² IV twice weekly (days 1, 4, 8, and 11) every 28 days for up to 9 cycles	
	In combination with lenalidomide and dexamethasone:	
	1.3 mg/m² IV twice weekly (days 1, 8, and 15) every 28 days for up to 8	
	cycles	
	In combination with daratumumab and hyaluronidase-fihj,	
	cyclophosphamide, and dexamethasone:	
	$1.3 \text{ mg/m}^2 \text{ IV}$ weekly (days $1, 8, 15, \text{ and } 22$) every 28 days for up to 2 years	
	Single agent:	
	 1.3 mg/m² IV twice weekly (days 1, 4, 8, and 11) every 21 days, until disease progression or unacceptable toxicity 	
Waldenström's	In combination with rituximab and/or dexamethasone:	
Macroglobulinemia	• 1.3 mg/m² IV twice weekly (days 1, 4, 8, and 11) every 21 days for 4 continuous cycles, followed by a 12-week rest period, then up to 4 additional cycles given every 12 weeks	
	• 1.6 mg/m ² IV weekly (days 1, 8, and 15) every 28 days for up to 6 cycles	
Adult T-Cell Leukemia/ Lymphoma	1.3 mg/m² IV twice weekly (days 1, 4, 8, and 11) every 21 days for up to 8 cycles	
Kaposi Sarcoma	1.6 mg/m² IV weekly (days 1, 8, and 15) every 28 days	
Pediatric Hodgkin Lymphoma		
All Other Indications	1.3 mg/m² IV twice weekly (days 1, 4, 8, and 11) every 21 days	

VI. Billing Code/Availability Information

HCPCS Code:

- J9044 Injection, bortezomib, not otherwise specified, 0.1 mg; 1 billable unit = 0.1 mg NDC(s):
- Bortezomib 3.5 mg single-dose vial powder for injection: 63323-0721-xx (Fresenius Kabi)
- Bortezomib 3.5 mg single-dose vial powder for injection: 43598-0865-xx (Dr. Reddy's Laboratories)

VII. References

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- 11. Referenced with permission from the NCCN Drugs & Biologics Compendium (NCCN Compendium®) Systemic Light Chain Amyloidosis. Version 1.2022. National Comprehensive Cancer Network, 2022. The NCCN Compendium® is a derivative work of the NCCN Guidelines®. NATIONAL COMPREHENSIVE CANCER NETWORK®, NCCN®, and NCCN GUIDELINES® are trademarks owned by the National Comprehensive Cancer Network, Inc. To view the most recent and complete version of the Compendium, go online to NCCN.org. Accessed February 2022.
- 12. Referenced with permission from the NCCN Drugs & Biologics Compendium (NCCN Compendium®) Waldenström's Macroglobulinemia/Lymphoplasmacytic Lymphoma. Version 2.2022. National Comprehensive Cancer Network, 2022. The NCCN Compendium® is a

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Appendix 1 – Covered Diagnosis Codes

ICD-10	ICD-10 Description	
C46.0	Kaposi's sarcoma of skin	
C46.1	Kaposi's sarcoma of soft tissue	
C46.2	Kaposi's sarcoma of palate	
C46.3	Kaposi's sarcoma of lymph nodes	
C46.4	Kaposi's sarcoma of gastrointestinal sites	
C46.50	Kaposi's sarcoma of unspecified lung	
C46.51	Kaposi's sarcoma of right lung	
C46.52	Kaposi's sarcoma of left lung	
C46.7	Kaposi's sarcoma of other sites	
C46.9	Kaposi's sarcoma, unspecified	
C81.10	Nodular sclerosis Hodgkin lymphoma, unspecified site	
C81.11	Nodular sclerosis Hodgkin lymphoma, lymph nodes of head, face, and neck	
C81.12	Nodular sclerosis Hodgkin lymphoma, intrathoracic lymph nodes	
C81.13	Nodular sclerosis Hodgkin lymphoma, intra-abdominal lymph nodes	
C81.14	Nodular sclerosis Hodgkin lymphoma, lymph nodes of axilla and upper limb	
C81.15	Nodular sclerosis Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	
C81.16	Nodular sclerosis Hodgkin lymphoma, intrapelvic lymph nodes	
C81.17	Nodular sclerosis Hodgkin lymphoma, spleen	
C81.18	Nodular sclerosis Hodgkin lymphoma, lymph nodes of multiple sites	
C81.19	Nodular sclerosis Hodgkin lymphoma, extranodal and solid organ sites	
C81.20	Mixed cellularity Hodgkin lymphoma, unspecified site	
C81.21	Mixed cellularity Hodgkin lymphoma, lymph nodes of head, face, and neck	
C81.22	Mixed cellularity Hodgkin lymphoma, intrathoracic lymph nodes	
C81.23	Mixed cellularity Hodgkin lymphoma, intra-abdominal lymph nodes	
C81.24	Mixed cellularity Hodgkin lymphoma, lymph nodes of axilla and upper limb	

ICD-10	ICD-10 Description	
C81.25	Mixed cellularity Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	
C81.26	Mixed cellularity Hodgkin lymphoma, intrapelvic lymph nodes	
C81.27	Mixed cellularity Hodgkin lymphoma, spleen	
C81.28	Mixed cellularity Hodgkin lymphoma, lymph nodes of multiple sites	
C81.29	Mixed cellularity Hodgkin lymphoma, extranodal and solid organ sites	
C81.30	Lymphocyte depleted Hodgkin lymphoma, unspecified site	
C81.31	Lymphocyte depleted Hodgkin lymphoma, lymph nodes of head, face, and neck	
C81.32	Lymphocyte depleted Hodgkin lymphoma, intrathoracic lymph nodes	
C81.33	Lymphocyte depleted Hodgkin lymphoma, intra-abdominal lymph nodes	
C81.34	Lymphocyte depleted Hodgkin lymphoma, lymph nodes of axilla and upper limb	
C81.35	Lymphocyte depleted Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	
C81.36	Lymphocyte depleted Hodgkin lymphoma, intrapelvic lymph nodes	
C81.37	Lymphocyte depleted Hodgkin lymphoma, spleen	
C81.38	Lymphocyte depleted Hodgkin lymphoma, lymph nodes of multiple sites	
C81.39	Lymphocyte depleted Hodgkin lymphoma, extranodal and solid organ sites	
C81.40	Lymphocyte-rich Hodgkin lymphoma, unspecified site	
C81.41	Lymphocyte-rich Hodgkin lymphoma, lymph nodes of head, face, and neck	
C81.42	Lymphocyte-rich Hodgkin lymphoma, intrathoracic lymph nodes	
C81.43	Lymphocyte-rich Hodgkin lymphoma, intra-abdominal lymph nodes	
C81.44	Lymphocyte-rich Hodgkin lymphoma, lymph nodes of axilla and upper limb	
C81.45	Lymphocyte-rich Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	
C81.46	Lymphocyte-rich Hodgkin lymphoma, intrapelvic lymph nodes	
C81.47	Lymphocyte-rich Hodgkin lymphoma, spleen	
C81.48	Lymphocyte-rich Hodgkin lymphoma, lymph nodes of multiple sites	
C81.49	Lymphocyte-rich Hodgkin lymphoma, extranodal and solid organ sites	
C81.70	Other Hodgkin lymphoma unspecified site	
C81.71	Other Hodgkin lymphoma lymph nodes of head, face, and neck	
C81.72	Other Hodgkin lymphoma intrathoracic lymph nodes	
C81.73	Other Hodgkin lymphoma intra-abdominal lymph nodes	
C81.74	Other Hodgkin lymphoma lymph nodes of axilla and upper limb	
C81.75	Other Hodgkin lymphoma lymph nodes of inguinal region and lower limb	
C81.76	Other Hodgkin lymphoma intrapelvic lymph nodes	
C81.77	Other Hodgkin lymphoma spleen	
C81.78	Other Hodgkin lymphoma lymph nodes of multiple sites	



ICD-10	ICD-10 Description	
C81.79	Other Hodgkin lymphoma extranodal and solid organ sites	
C81.90	Hodgkin lymphoma, unspecified, unspecified site	
C81.91	Hodgkin lymphoma, unspecified, lymph nodes of head, face, and neck	
C81.92	Hodgkin lymphoma, unspecified, intrathoracic lymph nodes	
C81.93	Hodgkin lymphoma, unspecified, intra-abdominal lymph nodes	
C81.94	Hodgkin lymphoma, unspecified, lymph nodes of axilla and upper limb	
C81.95	Hodgkin lymphoma, unspecified, lymph nodes of inguinal region and lower limb	
C81.96	Hodgkin lymphoma, unspecified, intrapelvic lymph nodes	
C81.97	Hodgkin lymphoma, unspecified, spleen	
C81.98	Hodgkin lymphoma, unspecified, lymph nodes of multiple sites	
C81.99	Hodgkin lymphoma, unspecified, extranodal and solid organ sites	
C83.10	Mantle cell lymphoma, unspecified site	
C83.11	Mantle cell lymphoma, lymph nodes of head, face and neck	
C83.12	Mantle cell lymphoma, intrathoracic lymph nodes	
C83.13	Mantle cell lymphoma, intra-abdominal lymph nodes	
C83.14	Mantle cell lymphoma, lymph nodes of axilla and upper limb	
C83.15	Mantle cell lymphoma, lymph nodes of inguinal region and lower limb	
C83.16	Mantle cell lymphoma, intrapelvic lymph nodes	
C83.17	Mantle cell lymphoma, spleen	
C83.18	Mantle cell lymphoma, lymph nodes of multiple sites	
C83.19	Mantle cell lymphoma, extranodal and solid organ sites	
C83.50	Lymphoblastic (diffuse) lymphoma, unspecified site	
C83.51	Lymphoblastic (diffuse) lymphoma, lymph nodes of head, face, and neck	
C83.52	Lymphoblastic (diffuse) lymphoma, intrathoracic lymph nodes	
C83.53	Lymphoblastic (diffuse) lymphoma, intra-abdominal lymph nodes	
C83.54	Lymphoblastic (diffuse) lymphoma, lymph nodes of axilla and upper limb	
C83.55	Lymphoblastic (diffuse) lymphoma, lymph nodes of inguinal region and lower limb	
C83.56	Lymphoblastic (diffuse) lymphoma, intrapelvic lymph nodes	
C83.57	Lymphoblastic (diffuse) lymphoma, spleen	
C83.58	Lymphoblastic (diffuse) lymphoma, lymph nodes of multiple sites	
C83.59	Lymphoblastic (diffuse) lymphoma, extranodal and solid organ sites	
C88.0	Waldenstrom macroglobulinemia	
C90.00	Multiple myeloma not having achieved remission	
C90.01	Multiple myeloma in remission	



ICD-10	ICD-10 Description	
C90.02	Multiple myeloma, in relapse	
C90.10	Plasma cell leukemia not having achieved remission	
C90.12	Plasma cell leukemia in relapse	
C90.20	Extramedullary plasmacytoma not having achieved remission	
C90.22	Extramedullary plasmacytoma in relapse	
C90.30	Solitary plasmacytoma not having achieved remission	
C90.32	Solitary plasmacytoma in relapse	
C91.00	Acute lymphoblastic leukemia not having achieved remission	
C91.01	Acute lymphoblastic leukemia, in remission	
C91.02	Acute lymphoblastic leukemia, in relapse	
C91.50	Adult T-cell lymphoma/leukemia (HTLV-1-associated) not having achieved remission	
C91.52	Adult T-cell lymphoma/leukemia (HTLV-1-associated), in relapse	
D47.9	Neoplasm of uncertain behavior of lymphoid, hematopoietic and related tissue, unspecified	
D47.Z2	Castleman disease	
E31.9	Polyglandular dysfunction, unspecified	
E85.81	Light chain (AL) amyloidosis	
E85.89	Other amyloidosis	
E85.9	Amyloidosis, unspecified	
G62.9	Polyneuropathy, unspecified	
G90.0	Idiopathic peripheral autonomic neuropathy	
L89.9	Pressure ulcer of unspecified site	
Z85.71	Personal history of Hodgkin Lymphoma	
Z85.79	Personal history of other malignant neoplasms of lymphoid, hematopoietic and related tissues	

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), Local Coverage Determinations (LCDs), and Local Coverage Articles (LCAs) may exist and compliance with these policies is required where applicable. They can be found at: https://www.cms.gov/medicare-coverage-database/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/LCA):

https://www.cms.gov/medicare-coverage-database/new-search/search-

results.aspx?keyword=a52371&areaId=all&docType=NCA%2CCAL%2CNCD%2CMEDCAC%2CTA%2C MCD%2C6%2C3%2C5%2C1%2CF%2CP

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,	Noridian Healthcare Solutions, LLC			
5	KS, NE, IA, MO	Wisconsin Physicians Service Insurance Corp			
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			
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			