



# Adcetris® (brentuximab vedotin) (Intravenous)

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# I. Length of Authorization 1,7,18

Coverage will be provided for six months and may be renewed.

- Treatment for Adult cHL post-auto HSCT, Pediatric cHL, Mycosis Fungoides (MF)/Sezary Syndrome (SS), and Primary Cutaneous CD30+ T-Cell Lymphoproliferative Disorders has a maximum of 16 cycles.
- Treatment of previously untreated Adult Stage III or IV Classical Hodgkin Lymphoma (cHL) has a maximum of 12 doses.
- Treatment of previously untreated Systemic Anaplastic Large Cell Lymphoma (sALCL) or other CD30-expressing Peripheral T-Cell Lymphomas (PTCL) has a maximum of 8 doses.

#### **II.** Dosing Limits

- A. Quantity Limit (max daily dose) [NDC Unit]:
  - 50 mg vial: 4 vials per 21 days
- B. Max Units (per dose and over time) [HCPCS Unit]:
  - 200 billable units per 21 days

#### III. Initial Approval Criteria <sup>1</sup>

Coverage is provided in the following conditions:

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

#### Universal Criteria <sup>1</sup>

- Patient has CD30-positive disease; AND
- Patient must not be receiving concomitant bleomycin; AND
- Patient does not have severe renal impairment (i.e., CrCl <30 mL/min); AND</li>
- Patient does not have moderate or severe hepatic impairment (Child-Pugh B or C); AND



# Adult Classic Hodgkin Lymphoma (cHL) † 1,2,4,12-14

- Used as single agent therapy; AND
  - Used as consolidation/maintenance therapy post-autologous hematopoietic stem cell transplant (auto-HSCT) in patients at high risk\* for relapse or progression † ‡; OR
  - Patient has relapsed disease after failure of auto-HSCT or after failure of at least 2 prior multi-agent chemotherapy regimens in patients who are not auto-HSCT candidates †; OR
  - Used as subsequent systemic therapy (if not previously used) for relapsed or refractory disease ‡; OR
  - Used as palliative therapy for relapsed or refractory disease in patients >60 years of age
     †; OR
- Used in combination with bendamustine; AND
  - Used as subsequent systemic therapy (if not previously used) for relapsed or refractory disease ‡; OR
- Used in combination with nivolumab; AND
  - Used as subsequent systemic therapy (if not previously used) for relapsed or refractory disease ‡; **OR**
- Used in combination with dacarbazine; AND
  - Used as primary treatment in patients >60 years of age with stage I-II unfavorable or stage III-IV disease ‡; OR
- Used in combination with doxorubicin, vinblastine, and dacarbazine (AVD); AND
  - Used as initial therapy for previously untreated stage III or IV disease †; OR
  - Used as initial therapy for previously untreated stage II unfavorable disease in patients
     >60 years of age ‡
- \*High risk for relapse or progression may be defined as:
  - Refractory disease, relapse within 12 months, or extranodal disease following frontline therapy OR 2 or more of the following: PET+ response at time of transplant, B symptoms, and/or >1 salvage/subsequent therapy regimen)

#### Pediatric Classic Hodgkin Lymphoma (cHL) ‡ Φ<sup>2</sup>

- Patient is ≤18 years of age; **AND**
- Patient has relapsed or refractory disease; AND
  - o Used as re-induction or subsequent therapy; AND
    - Used in combination with nivolumab or gemcitabine; AND
      - ➤ Used in heavily pretreated patients with platinum or anthracycline-based chemotherapy; **OR**
      - Used if a decrease in cardiac function is observed

#### T-Cell Lymphomas 1-3,15,16

- Peripheral T-Cell Lymphoma (PTCL)
  - Used as a single agent after failure of at least one prior chemotherapy regimen for one of the following:



- Systemic Anaplastic Large Cell Lymphoma (sALCL) † Φ
- Peripheral T-Cell Lymphoma (PTCL) ‡Φ
- Angioimmunoblastic T-cell Lymphoma (AITL) ‡ Φ; OR
- O Used in combination with cyclophosphamide, doxorubicin, and prednisone (CHP) in patients with CD30 expression ≥ 10% per immunohistochemistry (IHC) as initial therapy for previously untreated:
  - Systemic Anaplastic Large Cell Lymphoma (sALCL) † Φ
  - Peripheral T-Cell Lymphoma (PTCL) not otherwise specified  $\dagger \Phi$
  - Angioimmunoblastic T-cell Lymphoma (AITL) † Φ

#### Primary Cutaneous Lymphomas 1,2,17

- Mycosis Fungoides (MF) † Φ/Sezary Syndrome (SS) ‡ Φ
  - o Used as a single agent; AND
    - Used as subsequent therapy (excluding patients with relapsed or persistent stage IA-IIA MF with B1 blood involvement); AND
    - Patient has CD30 expression ≥ 5% per IHC
- Primary Cutaneous CD30+ T-Cell Lymphoproliferative Disorders ‡ Φ
  - Used as a single agent in patients previously treated with systemic therapy; AND
    - Patient has primary cutaneous anaplastic large cell lymphoma (pcALCL) †; OR
    - Patient has cutaneous ALCL with regional node (N1) (excludes systemic ALCL); **OR**
    - Patient has lymphomatoid papulosis (LyP) with extensive lesions that is relapsed or refractory to all treatment options (e.g., clinical trial, observation, retreatment with primary treatment, or treatment with alternative regimen)

#### B-Cell Lymphomas ‡ 2,11

- Diffuse Large B-Cell Lymphoma (DLBCL)
  - Used as subsequent therapy for partial response, no response, relapsed, progressive, or refractory DLBCL in non-candidates for transplant
- Histologic transformation of Follicular Lymphoma or Nodal Marginal Zone Lymphoma to Diffuse Large B-Cell Lymphoma (DLBCL)
  - o Patient has received multiple lines of chemoimmunotherapy (e.g., BR, RCHOP, etc.) for transformed or indolent disease

Preferred therapies and recommendations are determined by review of clinical evidence. NCCN category of recommendation is taken into account as a component of this review. Regimens deemed equally efficacious (i.e., those having the same NCCN categorization) are considered to be therapeutically equivalent.

† FDA Approved Indication(s), ‡ Compendia Recommended Indication(s); **Φ** Orphan Drug



#### IV. Renewal Criteria <sup>1</sup>

Coverage can be renewed based on 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
- Disease response with treatment defined by stabilization of disease or decrease in size of tumor or tumor spread; **AND**
- Absence of unacceptable toxicity from the drug. Examples of unacceptable toxicity include:
   progressive multifocal leukoencephalopathy, peripheral neuropathy, anaphylaxis and
   infusion reactions, hematologic toxicities (thrombocytopenia, neutropenia and anemia),
   serious infections, opportunistic infections, tumor lysis syndrome, hepatotoxicity, pulmonary
   toxicity, serious dermatologic reactions, gastrointestinal complications, uncontrolled
   hyperglycemia, etc.

## V. Dosage/Administration <sup>1,7</sup>

| Indication   | Dose   |
|--|--|
| Previously Untreated Stage III<br>or IV Adult Classical Hodgkin<br>Lymphoma                            | 1.2 mg/kg (up to 120 mg) by intravenous infusion every 2 weeks until a maximum of 12 doses, disease progression, or unacceptable toxicity  |
| Adult cHL post-auto HSCT,<br>MF/SS, Primary Cutaneous<br>CD30+ T-Cell<br>Lymphoproliferative Disorders | 1.8 mg/kg (up to 180 mg) by intravenous infusion every 3 weeks until a maximum of 16 cycles, disease progression, or unacceptable toxicity |
| Pediatric cHL  | 1.8 mg/kg (up to 180 mg) by intravenous infusion every 3 weeks until a maximum of 16 cycles, disease progression, or unacceptable toxicity |
| Previously Untreated sALCL<br>or Other CD30-expressing<br>PTCL   | 1.8 mg/kg (up to 180 mg) by intravenous infusion every 3 weeks with each cycle of chemotherapy for a maximum of 6 to 8 doses               |
| All other indications  | 1.8 mg/kg (up to 180 mg) by intravenous infusion every 3 weeks until disease progression or unacceptable toxicity                          |

# VI. Billing Code/Availability Information

#### **HCPCS Code**:

- J9042 Injection, brentuximab vedotin, 1 mg; 1 billable unit = 1 mg NDC:
- Adcetris single-use vial; 50 mg powder for injection: 51144-0050-xx



#### VII. **References (STANDARD)**

- 1. Adcetris [package insert]. Bothell, WA; Seattle Genetics, Inc; October 2019. Accessed February 2021.
- 2. Referenced with permission from the NCCN Drugs & Biologics Compendium (NCCN Compendium®) for brentuximab vedotin. National Comprehensive Cancer Network, 2021. 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 2021.
- 3. Referenced with permission from the NCCN Drugs & Biologics Compendium (NCCN Compendium®) T-Cell Lymphomas. Version 1.2021. National Comprehensive Cancer Network, 2021. 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 2021.
- 4. Referenced with permission from the NCCN Drugs & Biologics Compendium (NCCN Compendium®) Hodgkin Lymphoma, Version 2.2021. National Comprehensive Cancer Network, 2021. 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 2021.
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#### VIII. References (ENHANCED)

1e. Referenced with permission from the NCCN Drugs & Biologics Compendium (NCCN Compendium®) Primary Cutaneous Lymphomas, Version 1.2021. National Comprehensive Cancer Network, 2021. 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 2021.



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## Appendix 1 – Covered Diagnosis Codes

| ICD-10 | ICD-10 Description  |
|--------|---|
| 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          |
| 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  |

| ICD-10 | ICD-10 Description  |
|--------|---|
| 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                                |
| 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                   |



| ICD-10 | ICD-10 Description   |
|--------|--|
| 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              |
| C83.30 | Diffuse large B-cell lymphoma unspecified site                               |
| C83.31 | Diffuse large B-cell lymphoma, lymph nodes of head, face, and neck           |
| C83.32 | Diffuse large B-cell lymphoma intrathoracic lymph nodes                      |
| C83.33 | Diffuse large B-cell lymphoma intra-abdominal lymph nodes                    |
| C83.34 | Diffuse large B-cell lymphoma lymph nodes of axilla and upper limb           |
| C83.35 | Diffuse large B-cell lymphoma, lymph nodes of inguinal region and lower limb |
| C83.36 | Diffuse large B-cell lymphoma intrapelvic lymph nodes                        |
| C83.37 | Diffuse large B-cell lymphoma, spleen  |
| C83.38 | Diffuse large B-cell lymphoma lymph nodes of multiple sites                  |
| C83.39 | Diffuse large B-cell lymphoma extranodal and solid organ sites               |
| C84.00 | Mycosis fungoides, unspecified site  |
| C84.01 | Mycosis fungoides, lymph nodes of head, face and neck                        |
| C84.02 | Mycosis fungoides, intrathoracic lymph nodes                                 |
| C84.03 | Mycosis fungoides, intra-abdominal lymph nodes                               |
| C84.04 | Mycosis fungoides, lymph nodes of axilla and upper limb                      |
| C84.05 | Mycosis fungoides, lymph nodes of inguinal region and lower limb             |
| C84.06 | Mycosis fungoides, intrapelvic lymph nodes                                   |
| C84.07 | Mycosis fungoides, spleen  |
| C84.08 | Mycosis fungoides, lymph nodes of multiple sites                             |
| C84.09 | Mycosis fungoides, extranodal and solid organ sites                          |
| C84.10 | Sézary disease, unspecified site   |
| C84.11 | Sézary disease, lymph nodes of head, face, and neck                          |
| C84.12 | Sézary disease, intrathoracic lymph nodes                                    |
| C84.13 | Sézary disease, intra-abdominal lymph nodes                                  |
| C84.14 | Sézary disease, lymph nodes of axilla and upper limb                         |
| C84.15 | Sézary disease, lymph nodes of inguinal region and lower limb                |



| ICD-10 | ICD-10 Description  |
|--------|---|
| C84.16 | Sézary disease, intrapelvic lymph nodes   |
| C84.17 | Sézary disease, spleen  |
| C84.18 | Sézary disease, lymph nodes of multiple sites   |
| C84.19 | Sézary disease, extranodal and solid organ sites  |
| C84.40 | Peripheral T-cell lymphoma, not classified, unspecified site                                |
| C84.41 | Peripheral T-cell lymphoma, not classified, lymph nodes of head, face and neck              |
| C84.42 | Peripheral T-cell lymphoma, not classified, intrathoracic lymph nodes                       |
| C84.43 | Peripheral T-cell lymphoma, not classified, intra-abdominal lymph nodes                     |
| C84.44 | Peripheral T-cell lymphoma, not classified, lymph nodes of axilla and upper limb            |
| C84.45 | Peripheral T-cell lymphoma, not classified, lymph n odes of inguinal region of lower limb   |
| C84.46 | Peripheral T-cell lymphoma, not classified, intrapelvic lymph nodes                         |
| C84.47 | Peripheral T-cell lymphoma, not classified, spleen  |
| C84.48 | Peripheral T-cell lymphoma, not classified, lymph nodes of multiple sites                   |
| C84.49 | Peripheral T-cell lymphoma, not classified, extranodal and solid organ sites                |
| C84.60 | Anaplastic large cell lymphoma, ALK-positive, unspecified site                              |
| C84.61 | Anaplastic large cell lymphoma, ALK-positive, lymph nodes of head, face and neck            |
| C84.62 | Anaplastic large cell lymphoma, ALK-positive, intrathoracic lymph nodes                     |
| C84.63 | Anaplastic large cell lymphoma, ALK-positive, intra-abdominal lymph nodes                   |
| C84.64 | Anaplastic large cell lymphoma, ALK-positive, lymph nodes of axilla and upper limb          |
| C84.65 | Anaplastic large cell lymphoma, ALK-positive, lymph nodes of inguinal region and lower limb |
| C84.66 | Anaplastic large cell lymphoma, ALK-positive, intrapelvic lymph nodes                       |
| C84.67 | Anaplastic large cell lymphoma, ALK-positive, spleen  |
| C84.68 | Anaplastic large cell lymphoma, ALK-positive, lymph nodes of multiple sites                 |
| C84.69 | Anaplastic large cell lymphoma, ALK-positive, extranodal and solid organ sites              |
| C84.70 | Anaplastic large cell lymphoma, ALK-negative, unspecified site                              |
| C84.71 | Anaplastic large cell lymphoma, ALK-negative, lymph nodes of head, face and neck            |
| C84.72 | Anaplastic large cell lymphoma, ALK-negative, intrathoracic lymph nodes                     |
| C84.73 | Anaplastic large cell lymphoma, ALK-negative, intra-abdominal lymph nodes                   |
| C84.73 | Anaplastic large cell lymphoma, ALK-negative, lymph nodes of axilla and upper limb          |
| C84.75 | Anaplastic large cell lymphoma, ALK-negative, lymph nodes of inguinal region and lower limb |
| C84.76 | Anaplastic large cell lymphoma, ALK-negative, intrapelvic lymph nodes                       |
| C84.77 | Anaplastic large cell lymphoma, ALK-negative, spleen  |
| C84.78 | Anaplastic large cell lymphoma, ALK-negative, lymph nodes of multiple sites                 |
| C84.79 | Anaplastic large cell lymphoma, ALK-negative, extranodal and solid organ sites              |



| ICD-10 | ICD-10 Description  |
|--------|---|
| C85.20 | Mediastinal (thymic) large B-cell lymphoma, unspecified site                              |
| C85.21 | Mediastinal (thymic) large B-cell lymphoma, lymph nodes of head, face and neck            |
| C85.22 | Mediastinal (thymic) large B-cell lymphoma, intrathoracic lymph nodes                     |
| C85.23 | Mediastinal (thymic) large B-cell lymphoma, intra-abdominal lymph nodes                   |
| C85.24 | Mediastinal (thymic) large B-cell lymphoma, lymph nodes of axilla and upper limb          |
| C85.25 | Mediastinal (thymic) large B-cell lymphoma, lymph nodes of inguinal region and lower limb |
| C85.26 | Mediastinal (thymic) large B-cell lymphoma, intrapelvic lymph nodes                       |
| C85.27 | Mediastinal (thymic) large B-cell lymphoma, spleen  |
| C85.28 | Mediastinal (thymic) large B-cell lymphoma, lymph nodes of multiple sites                 |
| C85.29 | Mediastinal (thymic) large B-cell lymphoma, extranodal and solid organ sites              |
| C86.5  | Angioimmunoblastic T-cell lymphoma  |
| C86.6  | Primary cutaneous CD30-positive T-cell proliferations                                     |
| Z85.71 | Personal history of Hodgkin lymphoma  |
| Z85.72 | Personal history of non-Hodgkin lymphomas   |

# 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: <a href="http://www.cms.gov/medicare-coverage-database/search/advanced-search.aspx">http://www.cms.gov/medicare-coverage-database/search/advanced-search.aspx</a>. Additional indications may be covered at the discretion of the health plan.

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

|              | 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                                 |  |  |  |  |  |  |  |



| Medicare Part B Administrative Contractor (MAC) Jurisdictions |   |  |  |  |  |  |  |  |  |
|---|---|--|--|--|--|--|--|--|--|
| Jurisdiction  | Applicable State/US Territory Contractor  |  |  |  |  |  |  |  |  |
|   | 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                  |  |  |  |  |  |  |  |







# Appendix 3 – CLINICAL LITERATURE REVIEW

OS = overall survival; PFS = progression-free survival; ORR = objective response rate; CR = complete response; PR = partial response; DoR = duration of response; TTP = time to progression; FFS = failure-free survival; EFS = event-free survival; PFR = progression free rate; pCR = pathological complete response; CMR = complete metabolic response

## Adult Classic Hodgkin Lymphoma (cHL)

| Consolidation/n  | naintenance therapy  |              |  |   |                      |  |  |
|--|--|--------------|--|---|----------------------|--|--|
| Regimen  | NCCN Category  | FDA Approved | Trial Design   | Comparator  | Primary<br>End-Point | Line of Therapy  | Conclusion   |
| Brentuximab<br>vedotin                                 | 2A   | Yes          | Phase 3 (AETHERA). randomized, double-blind, placebo- controlled | Placebo   | PFS                  | Relapsed or<br>refractory<br>disease at high<br>risk of<br>progression<br>after ASCT | Early consolidation with brentuximab vedotin after ASCT improved PFS in patients with Hodgkin's lymphoma with risk factors for relapse or progression after transplantation. There was no statistically significant difference in OS between the two groups. |
| Initial therapy  |  |              |  |   |                      |  |  |
| Regimen  | NCCN Category  | FDA Approved | Trial Design   | Comparator  | Primary<br>End-Point | Line of Therapy  | Conclusion   |
| Brentuximab<br>vedotin (BV) +<br>dacarbazine<br>(DTIC) | 2A (≥60y stage I-II<br>unfavorable or<br>stage III-IV disease) | No           | Phase 2,<br>randomized,<br>open-label                            | Brentuximab<br>vedotin +<br>bendamustine<br>vs. brentuximab | ORR                  | Initial therapy  | BV alone and BV+DTIC appear to induce long-term remissions for a subset of elderly HL pts. The addition of DTIC appears to increase durability of response and   |

|  |  |   | Long-term follow-<br>up                                    | vedotin<br>monotherapy   |                      |   | survival although not statistically assessed.  |
|--|--|---|--|--|----------------------|---|--|
| Brentuximab + doxorubicin + vinblastine + dacarbazine (A+AVD)                          | 2A (stage III-IV with no known neuropathy, IPS ≥4, or bleomycin contraindicated)                   | Yes (stage III-IV)  | Phase 3 (ECHELON-1), randomized, open-label, multi- center | Doxorubicin +<br>bleomycin +<br>vinblastine +<br>dacarbazine<br>(ABVD) | PFS                  | Initial therapy   | • A+AVD had superior efficacy to ABVD in the treatment of patients with advanced-stage Hodgkin's lymphoma, with a 4.9 percentage-point lower combined risk of progression, death, or noncomplete response and use of subsequent anticancer therapy at 2 years.     |
| Brentuximab + doxorubicin + vinblastine + dacarbazine (A+AVD), followed by brentuximab | 2A (stage III-IV<br>disease or stage I-II<br>unfavorable disease<br>in patients > 60<br>years old) | Yes (stage III-IV)  | Phase 2, multicenter                                       | N/A  | ORR                  | Initial therapy in patients > 60 years or older                       | Sequential Brentuximab-<br>AVD was well tolerated and<br>was associated with an ORR<br>of 95% in patients who<br>received brentuximab<br>initially followed by 6 cycles<br>of AVD, followed by<br>consolidative doses of<br>brentuximab in responding<br>patients. |
| Relapsed or refra  | actory CD30-positive o   | lisease   |  |  |                      |   |  |
| Regimen  | NCCN Category  | FDA Approved  | Trial Design   | Comparator   | Primary<br>End-Point | Line of Therapy   | Conclusion   |
| Brentuximab<br>vedotin   | 2A (second-line and later therapy)   | Yes (after failure of HDT/ASCR or at least 2 prior chemo regimens in patients not | Phase 2  3-year follow-up                                  | N/A  | ORR                  | Relapsed or<br>refractory CD30-<br>positive disease<br>after HDT/ASCR | Brentuximab vedotin<br>induced an ORR of 75% in<br>patients with relapsed or<br>refractory HL after auto-<br>SCT.  |



|  |  | candidates for<br>HDT/ASCR)  |                             |     |     |   |  |
|--|--|--|-----------------------------|-----|-----|---|--|
| Brentuximab<br>vedotin (BV)                      | 2A (second-line and<br>later therapy)        | Yes (after failure of HDT/ASCR or at least 2 prior chemo regimens in patients not candidates for HDT/ASCR) | Phase 2                     | N/A | ORR | First line salvage<br>therapy in<br>relapsed/refract<br>ory HL prior to<br>ASCT | BV as first line salvage therapy is efficacious, well tolerated, and does not hinder stem cell collection or engraftment. 90% of patients were effectively bridged to ASCT and 52% did not require multi-agent chemotherapy. |
| Bendamustine +<br>brentuximab<br>vedotin         | 2A (second-line or<br>subsequent<br>therapy) | No   | Phase 1-2, multi-<br>center | N/A | ORR | Relapsed or<br>refractory<br>disease after one<br>previous line of<br>chemo     | This study shows that brentuximab vedotin plus bendamustine, with a favorable safety profile, is an active salvage regimen for heavily pretreated patients with relapsed or refractory Hodgkin's lymphoma                    |
| Bendamustine +<br>brentuximab<br>vedotin         | 2A (second-line or<br>subsequent<br>therapy) | No   | <u>Phase 1-2</u>            | N/A | CR  | Initial salvage<br>therapy  | Brentuximab vedotin plus<br>bendamustine as first<br>salvage therapy in relapsed<br>or refractory Hodgkin<br>lymphoma demonstrated an<br>ORR of 92.5% and CR rate of<br>73.6%.   |
| Brentuximab vedotin + nivolumab (up to 4 cycles) | 2A   | No   | Phase 1/2                   | N/A | CR  | Initial salvage<br>therapy  | The combination of<br>brentuximab vedotin and<br>nivolumab demonstrated an<br>ORR of 82% as initial<br>salvage therapy.  |



## Pediatric Classic Hodgkin Lymphoma

# Relapsed or refractory disease

| Regimen                                  | NCCN<br>Category | FDA<br>Approved | Trial<br>Design                | Comparator | Primary<br>End-Point | Line of Therapy  | Conclusion   |
|--|------------------|-----------------|--------------------------------|------------|----------------------|--|--|
| Brentuximab<br>vedotin +<br>bendamustine | 2A               | No              | Phase 1-2,<br>multi-<br>center | N/A        | ORR                  | Relapsed or<br>refractory disease<br>after at least one<br>previous line of<br>chemo | This study shows that brentuximab vedotin plus<br>bendamustine, with a favorable safety profile, is an<br>active salvage regimen for heavily pretreated adult<br>patients with relapsed or refractory Hodgkin's<br>lymphoma. |
| Brentuximab<br>vedotin +<br>gemcitabine  | 2A               | No              | Phase 2                        | N/A        | CR                   | Refractory disease or relapse <1 year from initial treatment                         | Brentuximab vedotin with gemcitabine<br>demonstrated a CR rate of 67% in pediatric and<br>young adult patients with primary refractory or<br>early relapsed Hodgkin lymphoma.  |
| Brentuximab<br>vedotin +<br>nivolumab    | 2A               | No              | Phase 2                        | N/A        | CMR rate             | Relapsed or refractory disease   | Primary analysis demonstrated a CMR rate of 88% and an ORR of 98% in children, adolescents, and young adults with relapsed or refractory classical Hodgkin lymphoma.   |

## **T-Cell Lymphomas**

#### Systemic Anaplastic Large Cell Lymphoma (sALCL) - Initial therapy

| Systemic Anapiasti  | Systemic Anapiastic Large Cen Lymphoma (SALCL) - mitiai therapy |                 |   |  |                      |                    |  |  |  |  |
|---|---|-----------------|---|--|----------------------|--------------------|--|--|--|--|
| Regimen   | NCCN<br>Category  | FDA<br>Approved | Trial Design                                  | Comparator   | Primary<br>End-Point | Line of<br>Therapy | Conclusion   |  |  |  |
| Brentuximab<br>vedotin +<br>cyclophosphamide<br>+ doxorubicin + | 1 preferred   | Yes             | Phase 3 (ECHELON-2), double-blind, randomized | Cyclophosphamide + doxorubicin + vincristine + prednisone (CHOP) | PFS                  | Initial therapy    | Front-line treatment with A+CHP is superior to CHOP for patients with CD30-positive peripheral T-cell lymphomas as shown by a significant improvement in |  |  |  |



| prednisone<br>(A+CHP)   |   |                    |   |  |                      |  | progression-free survival with a manageable safety profile.  |
|---|---|--------------------|---|--|----------------------|--|--|
| Peripheral T-Cell L   | ymphoma (PTCL                           | a) - Initial thera | ру  |  |                      |  |  |
| Regimen   | NCCN<br>Category                        | FDA<br>Approved    | Trial Design  | Comparator   | Primary<br>End-Point | Line of<br>Therapy                     | Conclusion   |
| Brentuximab vedotin + cyclophosphamide + doxorubicin + prednisone (A+CHP) | 2A preferred                            | Yes                | Phase 3 (ECHELON-2), double-blind, randomized               | Cyclophosphamide + doxorubicin + vincristine + prednisone (CHOP) | PFS                  | Initial therapy                        | • Front-line treatment with A+CHP is superior to CHOP for patients with CD30-positive peripheral T-cell lymphomas as shown by a significant improvement in progression-free survival with a manageable safety profile. |
| Systemic Anaplasti  | ic Large Cell Lym                       | phoma (sALCL)      | - Relapsed or re  | fractory disease   |                      |  |  |
| Regimen   | NCCN<br>Category                        | FDA<br>Approved    | Trial Design  | Comparator   | Primary<br>End-Point | Line of<br>Therapy                     | Conclusion   |
| Brentuximab<br>vedotin  | 1 (ALCL)  2A preferred  for CD30+  PTCL | Yes (ALCL<br>only) | Phase 2 (NCT0086604 7). multicenter, open-label, single-arm | N/A  | ORR                  | After at least<br>one prior<br>therapy | Brentuximab vedotin induced an<br>ORR of 86% and CRs in more than<br>half of patients with recurrent<br>systemic ALCL  |
|   |   |                    | follow-up   |  |                      |  |  |
| Peripheral T-Cell L   | ymphoma (PTCL                           | .) - Relapsed or   | refractory disea  | se   |                      |  |  |
| Regimen   | NCCN<br>Category                        | FDA<br>Approved    | Trial Design  | Comparator   | Primary<br>End-Point | Line of<br>Therapy                     | Conclusion   |



| Brentuximab<br>vedotin | 1 (ALCL)  2A preferred for CD30+ PTCL | Yes (ALCL<br>only) | Phase 2, open-<br>label, multi-<br>center     | N/A  | ORR                  | Relapsed or<br>refractory<br>disease   | Brentuximab vedotin showed antitumor activity in patients with relapsed PTCL particularly AITL with an overall ORR of 41% and ORR of 54% for AITL.   |
|------------------------|---------------------------------------|--------------------|---|--|----------------------|--|--|
| Breast-Implant As      | ssociated Anaplas                     | tic Large Cell Ly  | mphoma  |  |                      |  |  |
| Regimen                | NCCN<br>Category                      | FDA<br>Approved    | Trial Design                                  | Comparator   | Primary<br>End-Point | Line of<br>Therapy                     | Conclusion   |
| Brentuximab<br>vedotin | 2A                                    | No                 | Case report                                   | N/A  |                      | Second line                            | Adjuvant chemotherapy may be<br>required for more invasive disease<br>and our experience has shown the<br>efficacy of Brentuximab as a second<br>line treatment.   |
| Brentuximab<br>vedotin | 2A                                    | No                 | Case report                                   | N/A  |                      | Initial therapy                        | This is the first report on the use of<br>brentuximab vedotin in a frontline<br>setting for treatment of BIA-ALCL.   |
| Adult T-Cell Leuk      | emia/Lymphoma                         |                    |   |  |                      |  |  |
| Regimen                | NCCN<br>Category                      | FDA<br>Approved    | Trial Design                                  | Comparator   | Primary<br>End-Point | Line of<br>Therapy                     | Conclusion   |
| Brentuximab<br>vedotin | 2A                                    | No                 | Phase 3 (ECHELON-2). double-blind, randomized | Cyclophosphamide + doxorubicin + vincristine + prednisone (CHOP) | PFS                  | Initial therapy                        | • Front-line treatment with A+CHP is superior to CHOP for patients with CD30-positive peripheral T-cell lymphomas as shown by a significant improvement in progression-free survival with a manageable safety profile. |
| Mogamulizumab          | 2A preferred (second-line             | No                 | Phase 2.<br>multicenter                       | N/A  | ORR                  | After at least<br>one prior<br>therapy | Mogamulizumab monotherapy may<br>improve PFS and OS in some<br>patients with relapsed aggressive<br>ATL, especially those who develop a  |



|                        | or subsequent<br>therapy)                                  |   | Follow-up<br>analysis                         |   |                      |   | skin rash as a moderate immune-<br>related adverse event  |
|------------------------|--|---|---|---|----------------------|---|---|
| Extranodal NK/T-       | Cell Lymphoma  |   |   |   |                      |   |   |
| Regimen                | NCCN<br>Category   | FDA<br>Approved   | Trial Design                                  | Comparator  | Primary<br>End-Point | Line of<br>Therapy  | Conclusion  |
| Brentuximab vedotin    | 2A preferred   | No  | No clinical evide                             | ence to support indica                                | tion.                |   |   |
| Pembrolizumab          | 2A   | No  | Study group<br>analysis                       | N/A   |                      | Relapsed or<br>refractory<br>disease after<br>asparaginase<br>regimen | PD1 blockade with pembrolizumab<br>was effective with an ORR of 100%<br>for NK/T-cell lymphomas failing l-<br>asparaginase regimens.  |
| Hepatosplenic Ga       | mma-Delta T-Cell   | Lymphoma  | ,   |   |                      | ,   |   |
| Regimen                | NCCN<br>Category   | FDA<br>Approved   | Trial Design                                  | Comparator  | Primary<br>End-Point | Line of<br>Therapy  | Conclusion  |
| Brentuximab vedotin    | 2A   | No  | No clinical evide                             | ence to support indica                                | tion.                | ,   |   |
| Mycosis Fungoide       | s (MF) / Sezary Sy   | ndrome (SS)   | ,   |   |                      |   |   |
| Regimen                | NCCN<br>Category   | FDA<br>Approved   | Trial Design                                  | Comparator  | Primary<br>End-Point | Line of<br>Therapy  | Conclusion  |
| Brentuximab<br>vedotin | 2A preferred<br>(primary<br>therapy and<br>for relapsed or | Yes (CD30+<br>MF relapsed<br>or refractory<br>disease only) | Phase 3 (ALCANZA). international, open-label, | Physician's Choice<br>(methotrexate or<br>bexarotene) | ORR ≥ 4<br>months    | After at least<br>one prior<br>systemic<br>therapy                    | Significant improvement in objective<br>response lasting at least 4 months<br>was seen with brentuximab vedotin<br>versus physician's choice of<br>methotrexate or bexarotene |



|                        | refractory<br>disease)  |   | randomized,<br>multicenter  |   |                      |   |   |  |  |
|------------------------|---|---|---|---|----------------------|---|---|--|--|
| Brentuximab<br>vedotin | 2A preferred<br>(primary<br>therapy and<br>for relapsed or<br>refractory<br>disease)                        | Yes (CD30+<br>MF relapsed<br>or refractory<br>disease only) | Phase 2   | N/A   | ORR                  | After at least<br>one prior<br>systemic<br>therapy with<br>negligible to<br>100% CD30<br>expression | Brentuximab vedotin demonstrated significant clinical activity with an ORR of 70% in treatment-refractory or advanced MF or SS with a wide range of CD30 expression levels.   |  |  |
| Primary cutaneou       | us CD30+ T-Cell Ly  | mphoprolifera   | tive Disorders  |   |                      |   |   |  |  |
| Regimen                | NCCN<br>Category  | FDA<br>Approved   | Trial Design  | Comparator  | Primary<br>End-Point | Line of<br>Therapy  | Conclusion  |  |  |
| Brentuximab<br>vedotin | 2A preferred (primary therapy and for relapsed or refractory disease)                                       | Yes (CD30+<br>MF relapsed<br>or refractory<br>disease only) | Phase 3 (ALCANZA). international, open-label, randomized, multicenter | Physician's Choice<br>(methotrexate or<br>bexarotene) | ORR ≥ 4<br>months    | After at least<br>one prior<br>systemic<br>therapy  | Significant improvement in objective<br>response lasting at least 4 months<br>was seen with brentuximab vedotin<br>versus physician's choice of<br>methotrexate or bexarotene |  |  |
| Brentuximab<br>vedotin | 2A preferred (primary therapy and for relapsed or refractory disease)                                       | Yes (CD30+<br>MF relapsed<br>or refractory<br>disease only) | Phase 2, open-<br>label   | N/A   |                      | After at least<br>one prior<br>systemic<br>therapy (MF,<br>pcALCL)                                  | Brentuximab vedotin is both active<br>and well tolerated in cutaneous T-<br>cell lymphoma with an ORR of 73%<br>and CR of 35%.  |  |  |
| Histologic transfe     | Histologic transformation of follicular lymphoma or marginal zone lymphoma to Diffuse Large B-Cell Lymphoma |   |   |   |                      |   |   |  |  |
| Regimen                | NCCN<br>Category  | FDA<br>Approved   | Trial Design  | Comparator  | Primary<br>End-Point | Line of<br>Therapy  | Conclusion  |  |  |



| Brentuximab<br>vedotin | 2A                | No              | Phase 2, open-<br>label | None                 | ORR                  | Relapsed or<br>refractory NHL | Overall, activity with brentuximab vedotin was demonstrated with an ORR of 44% in relapsed/refractory DLBCL, and responses occurred across a range of CD30 expression. |
|------------------------|-------------------|-----------------|-------------------------|----------------------|----------------------|-------------------------------|--|
| Diffuse Large B-co     | ell Lymphoma      |                 |                         |                      |                      |                               |  |
| Regimen                | NCCN<br>Category  | FDA<br>Approved | Trial Design            | Comparator           | Primary<br>End-Point | Line of<br>Therapy            | Conclusion   |
| Brentuximab<br>vedotin | 2A                | No              | Phase 2, open-<br>label | None                 | ORR                  | Relapsed or<br>refractory NHL | Overall, activity with brentuximab vedotin was demonstrated with an ORR of 44% in relapsed/refractory DLBCL, and responses occurred across a range of CD30 expression. |
| Primary Cutaneo        | us DLBCL          |                 |                         |                      |                      |                               |  |
| Regimen                | NCCN<br>Category  | FDA<br>Approved | Trial Design            | Comparator           | Primary<br>End-Point | Line of<br>Therapy            | Conclusion   |
| Brentuximab vedotin    | 2A                | No              | No clinical evide       | ence to support use. |                      |                               | ,  |
| High grade B-cell      | lymphoma          | 1               | 1                       |                      |                      |                               |  |
| Regimen                | NCCN<br>Category  | FDA<br>Approved | Trial Design            | Comparator           | Primary<br>End-Point | Line of<br>Therapy            | Conclusion   |
| Brentuximab vedotin    | 2A                | No              | No clinical evide       | ence to support use. |                      | 1                             | ,  |
| AIDS-related DLB       | CL, primary effus | ion lymphoma,   | and HHV8-positi         | ve DLBCL             |                      |                               |  |



| Regimen                | NCCN<br>Category  | FDA<br>Approved | Trial Design                                       | Comparator           | Primary<br>End-Point | Line of<br>Therapy        | Conclusion   |
|------------------------|-------------------|-----------------|--|----------------------|----------------------|---------------------------|--|
| Brentuximab<br>vedotin | 2A                | No              | Case report<br>for primary<br>effusion<br>lymphoma | N/A                  |                      | Refractory to<br>da-EPOCH | One patient with AIDS-related primary effusion lymphoma achieved a complete response for over 39 months with brentuximab vedotin.  |
| Brentuximab<br>vedotin | 2A                | No              | Case report HIV- associated lymphoma               | N/A                  |                      | Relapsed<br>disease       | This case report presents 2 patients with relapsed HIV-associated lymphoma who experienced a second complete remission after treatment with the immunotherapy agent brentuximab vedotin. |
| CD30+ monomorp         | ohic PTLD (B-cell | type)           |  |                      |                      |                           |  |
| Regimen                | NCCN<br>Category  | FDA<br>Approved | Trial Design                                       | Comparator           | Primary<br>End-Point | Line of<br>Therapy        | Conclusion   |
| Brentuximab vedotin    | 2A                | No              | No clinical evide                                  | ence to support use. |                      |                           |  |