

## **Utilization Review Policy 177**

**POLICY:** Oncology – Opdivo® (nivolumab injection for intravenous use – Bristol-Myers Squibb)

**EFFECTIVE DATE:** 1/1/2021

LAST REVISION DATE: 01/31/2024

**COVERAGE CRITERIA FOR:** All Aspirus Medicare Plans

#### **OVERVIEW**

Opdivo, a human programmed death receptor-1 (PD-1) blocking antibody, is indicated for the following uses:<sup>1</sup>

- 1) **Classical Hodgkin lymphoma**, for adults who have relapsed or progressed after autologous hematopoietic stem cell transplantation (auto-HSCT) and Adcetris® (brentuximab vedotin intravenous infusion) OR three or more lines of systemic therapy that includes auto-HSCT.\*
- 2) **Colorectal cancer**, with or without Yervoy® (ipilimumab intravenous infusion) for patients ≥ 12 years of age with microsatellite instability-high (MSI-H) or mismatch repair deficient (dMMR) metastatic disease that has progressed following treatment with a fluoropyrimidine, oxaliplatin, and irinotecan.\*
- 3) **Esophageal carcinoma**, in the following situations:
  - For patients with unresectable advanced, recurrent, or metastatic squamous cell disease after prior fluoropyrimidine- and platinum-based chemotherapy.
  - Adjuvant treatment of completely resected esophageal or gastroesophageal junction cancer with residual pathologic disease in patients who have received neoadjuvant chemoradiotherapy.
  - First-line treatment of adults with unresectable advanced or metastatic esophageal squamous cell carcinoma in combination with fluoropyrimidine- and platinum-containing chemotherapy.
  - First-line treatment of adults with unresectable advanced or metastatic esophageal squamous cell carcinoma in combination with Yervoy.
- 4) Gastric cancer, esophagogastric junction cancer, and esophageal adenocarcinoma, for patients with advanced or metastatic disease, in combination with fluoropyrimidine- and platinum-containing chemotherapy.
- 5) **Head and neck squamous cell carcinoma**, in patients with recurrent or metastatic disease with disease progression on or after platinum-based therapy.
- 6) **Hepatocellular carcinoma**, in patients who have been previously treated with Nexavar<sup>®</sup> (sorafenib tablets), in combination with Yervoy.\*
- 7) **Malignant pleural mesothelioma**, for first-line treatment, in combination with Yervoy in adults with unresectable disease.
- 8) **Melanoma**, in patients with:
  - o Unresectable or metastatic disease as a single agent.
  - o Unresectable or metastatic disease in combination with Yervov.
  - Adjuvant treatment for lymph node involvement or metastatic disease in patients who have undergone complete resection.

# 9) Non-small cell lung cancer:

i. As first-line treatment in combination with Yervoy, in adults with metastatic disease expressing programmed death-ligand  $1 \ge 1\%$ ) as determined by an FDA-approved test, without epidermal growth factor receptor (*EGFR*) or anaplastic lymphoma kinase (*ALK*) genomic tumor aberrations.

- ii. As first-line treatment in combination with Yervoy and two cycles of platinum-doublet chemotherapy, in adults with recurrent or metastatic disease without *EGFR* or *ALK* genomic tumor aberrations.
- iii. In patients with metastatic disease and progression on or after platinum-based chemotherapy. Patients with *EGFR* or *ALK* genomic tumor aberrations should have disease progression on FDA-approved therapy for these aberrations prior to receiving Opdivo.
- iv. In combination with platinum-doublet chemotherapy, as neoadjuvant treatment of adults with resectable (tumors  $\geq 4$  cm or node positive) disease.

#### 10) Renal cell carcinoma:

- i. In patients with advanced disease who have received prior anti-angiogenic therapy.
- ii. In combination with Yervoy, for patients with intermediate or poor risk and previously untreated advanced disease.
- iii. In combination with Cabometyx® (cabozantinib tablets), for the first-line treatment of patients with advanced disease.
- 11) **Urothelial carcinoma**, in the following situations:
  - In patients with advanced or metastatic disease who have disease progression during or following platinum-containing chemotherapy.
  - o In patients with advanced or metastatic disease who have disease progression within 12 months of neoadjuvant or adjuvant treatment with platinum-containing chemotherapy.
  - Adjuvant treatment of patients at high risk of recurrence after undergoing radical resection of urothelial carcinoma.

#### **POLICY STATEMENT**

Prior Authorization is recommended for medical benefit coverage of Opdivo. Approval is recommended for those who meet the **Criteria** and **Dosing** for the listed indications. Extended approvals are allowed if the patient continues to meet the Criteria and Dosing. Requests for doses outside of the established dosing documented in this policy will be considered on a case-by-case basis by a clinician (i.e., Medical Director or Pharmacist). All approvals are provided for the duration noted below. Because of the specialized skills required for evaluation and diagnosis of patients treated with Opdivo as well as the monitoring required for adverse events and long-term efficacy, approval requires Opdivo to be prescribed by or in consultation with a physician who specializes in the condition being treated.

**Automation:** None.

## RECOMMENDED AUTHORIZATION CRITERIA

Coverage of Opdivo is recommended in those who meet one of the following criteria:

## **FDA-Approved Indications**

**1.** Classic Hodgkin Lymphoma. Approve for 1 year if the patient meets ALL of the following (A, B, and C):

Note: For pediatric patients, see Pediatric Hodgkin Lymphoma criteria.

- A) Patient is  $\geq 18$  years of age; AND
- **B**) Patient meets ONE of the following conditions (i, ii, iii, or iv):

<sup>\*</sup> This indication is approved under accelerated approval based on overall response rate and duration of response. Continued approval for this indication may be contingent upon verification and description of clinical benefit in the confirmatory trials.

- i. Patient has had a hematopoietic stem cell transplantation (HSCT); OR
- **ii.** Patient has tried three or more systemic regimens AND this includes an auto-HSCT as one line of therapy; OR

<u>Note</u>: Examples are ABVD (doxorubicin, bleomycin, vinblastine, and dacarbazine), Sanford V (doxorubicin, vinblastine, mechlorethamine, etoposide, vincristine, bleomycin, and prednisone), escalated BEACOPP (bleomycin, etoposide, doxorubicin, cyclophosphamide, vincristine, procarbazine, and prednisone).

- **iii.** Patient has relapsed or refractory disease and the medication is used in combination with Adcetris (brentuximab intravenous infusion) or ICE (ifosfamide, carboplatin, and etoposide); OR
- iv. Patient is <u>not</u> eligible for transplant according to the prescriber; AND
- C) The medication is prescribed by or in consultation with an oncologist.

**Dosing.** Approve one of the following dosing regimens (A or B):

- A) 240 mg as an intravenous infusion administered not more frequently than once every 2 weeks; OR
- **B)** 480 mg as an intravenous infusion administered not more frequently than once every 4 weeks.
- **2. Colon, Rectal, or Appendiceal Cancer.** Approve for 1 year if the patient meets ALL of the following (A, B, C, and D):
  - A) Patient is  $\geq 12$  years of age; AND
  - B) The tumor is microsatellite instability-high (MSI-H) or mismatch repair deficient (dMMR); AND
  - C) Patient meets ONE of the following (i, ii, or iii):
    - A) Patient has tried chemotherapy; OR

<u>Note</u>: Examples of chemotherapy are fluoropyrimidine such as 5-fluorouracil (5-FU), capecitabine, oxaliplatin, irinotecan, or an adjunctive chemotherapy regimen such as FOLFOX (5-FU, leucovorin, and oxaliplatin) or CapeOX (capecitabine and oxaliplatin).

- **B**) Patient has unresectable, advanced, or metastatic disease; OR
- C) The medication is used for neoadjuvant therapy; AND
- **D)** The medication is prescribed by or in consultation with an oncologist.

- A) 240 mg administered as an intravenous infusion not more frequently than once every 2 weeks; OR
- B) 480 mg administered as an intravenous infusion not more frequently than once every 4 weeks; OR
- C) 3 mg/kg administered as an intravenous infusion not more frequently than once every 2 weeks.
- **3. Esophageal and Esophagogastric Junction Carcinoma.** Approve for 1 year if the patient meets ALL of the following (A, B, and C):
  - A) Patient is  $\geq 18$  years of age; AND
  - **B)** Patient meets ONE of the following (i, ii, iii, or iv):
    - i. Patient meets BOTH of the following (a and b):
      - a) Patient has received preoperative chemotherapy; AND
         Note: Examples of chemotherapy include 5-fluorouracil plus either cisplatin or oxaliplatin; and paclitaxel plus carboplatin.
      - b) According to the prescriber, the patient has residual disease; OR
    - ii. Patient meets ALL of the following (a, b, and c):
      - a) Patient has squamous cell carcinoma; AND
      - **b)** Patient meets ONE of the following criteria [(1) or (2)]:
        - (1) According to the prescriber, the patient is not a surgical candidate; OR

- (2) Patient has unresectable locally advanced, recurrent, or metastatic disease; AND
- c) Patient has tried chemotherapy; OR

<u>Note</u>: Examples of chemotherapy include fluoropyrimidines (5-fluorouracil [5-FU] and capecitabine) plus either cisplatin or oxaliplatin, paclitaxel plus carboplatin, or cisplatin plus either docetaxel or paclitaxel.

- iii. Patient meets ALL of the following (a, b, c, d, and e):
  - a) Patient has adenocarcinoma; AND
  - **b)** Patient meets ONE of the following criteria [(1) or (2)]:
    - (1) According to the prescriber, the patient is not a surgical candidate; OR
    - (2) Patient has unresectable locally advanced, recurrent, or metastatic disease; AND
  - c) The disease is <u>negative</u> for human epidermal growth factor receptor 2 (HER2) overexpression; AND
  - **d**) The tumor expression for programmed death ligand-1 (PD-L1) has a combined positive score (CPS) ≥ 5; AND
  - e) The medication is used in combination with fluoropyrimidine (fluorouracil or capecitabine) and oxaliplatin; OR
- iv. Patient meets ALL of the following (a, b, c, d, and e):
  - a) Patient has squamous cell carcinoma; AND
  - **b)** Patient meets ONE of the following criteria [(1) or (2)]:
    - (1) According to the prescriber, the patient is <u>not</u> a surgical candidate; OR
    - (2) Patient has unresectable locally advanced, recurrent, or metastatic disease; AND
  - c) The disease is <u>negative</u> for human epidermal growth factor receptor 2 (HER2) overexpression; AND
  - d) The medication will be used for first-line therapy; AND
  - e) The medication will be used in combination with ONE of the following [(1) or (2)]:
    - (1) Fluoropyrimidine and platinum containing chemotherapy; OR Note: Examples of fluoropyrimidines include 5-fluorouracil and capecitabine and examples of platinum agents include cisplatin and carboplatin.
    - (2) Yervoy (ipilimumab intravenous infusion); AND
- C) The medication is prescribed by or in consultation with an oncologist.

- A) 240 mg as an intravenous infusion administered not more frequently than once every 2 weeks; OR
- B) 360 mg as an intravenous infusion administered not more frequently than once every 3 weeks; OR
- C) 480 mg as an intravenous infusion administered not more frequently than once every 4 weeks; OR
- **D)** 3 mg/kg as an intravenous infusion administered not more frequently than once every 2 weeks.
- **4. Gastric Cancer.** Approve for 1 year if the patient meets ALL of the following (A, B, C, D, E, and F):
  - A) Patient is  $\geq 18$  years of age; AND
  - **B)** Patient meets ONE of the following (i or ii):
    - i. Patient has unresectable locally advanced, recurrent, or metastatic disease; OR
    - ii. According to the prescriber, the patient is <u>not</u> a surgical candidate; AND
  - C) The disease is <u>negative</u> for human epidermal growth factor receptor 2 (HER2) overexpression; AND
  - **D)** The tumor expression for programmed death ligand-1 (PD-L1) has a combined positive score (CPS) ≥ 5; AND
  - E) The medication is used in combination with fluoropyrimidine (fluorouracil or capecitabine) and oxaliplatin; AND
  - F) The medication is prescribed by or in consultation with an oncologist.

- A) 240 mg as an intravenous infusion administered not more frequently than once every 2 weeks; OR
- **B**) 360 mg as an intravenous infusion administered not more frequently than once every 3 weeks.
- **5. Head and Neck Squamous Cell Carcinoma.** Approve for 1 year if the patient meets ALL of the following (A, B, and C):
  - A) Patient is  $\geq 18$  years of age; AND
  - **B**) Patient meets ONE of the following (i or ii):
    - a. Patient has non-nasopharyngeal disease; OR
    - b. Patient meets ALL of the following conditions (a, b, and c):
      - i. Patient has nasopharyngeal disease; AND
      - ii. Patient has recurrent, unresectable, oligometastatic, or metastatic disease; AND
    - iii. Opdivo is used in combination with cisplatin and gemcitabine; AND
  - C) The medication is prescribed by or in consultation with an oncologist.

**Dosing.** Approve one of the following dosing regimens (A or B):

- A) 240 mg as an intravenous infusion administered not more frequently than once every 2 weeks; OR
- **B)** 480 mg as an intravenous infusion administered not more frequently than once every 4 weeks.
- **6. Hepatocellular Carcinoma, Including Hepatobiliary Cancers**. Approve for 1 year if the patient meets ALL of the following (A, B, <u>and</u> C):
  - A) Patient is  $\geq 18$  years of age; AND
  - **B**) Patient has tried at least one tyrosine kinase inhibitor; AND Note: Examples are Nexavar (sorafenib tablets), Lenvima (lenvatinib capsules).
  - C) The medication is prescribed by or in consultation with an oncologist.

- A) 240 mg as an intravenous infusion administered not more frequently than once every 2 weeks; OR
- **B)** 480 mg as an intravenous infusion administered not more frequently than once every 4 weeks; OR
- C) 1 mg/kg as an intravenous infusion administered not more frequently than once every 3 weeks.
- **7. Melanoma.** Approve for the duration noted if the patient meets ALL of the following (A, B, and C): Note: This includes cutaneous melanoma, brain metastases due to melanoma, and uveal melanoma.
  - A) Patient is  $\geq 18$  years of age; AND
  - **B**) Patient meets ONE of the following (i or ii):
    - i. Approve for 1 year if the patient has unresectable, advanced, or metastatic melanoma; OR
    - **ii.** Approve for up to 1 year of treatment (total) if Opdivo will be used as adjuvant treatment; AND <u>Note</u>: Examples are in a patient with no evidence of disease following resection of nodepositive disease, locoregional recurrence, or in-transit recurrence.
  - C) The medication is prescribed by or in consultation with an oncologist.

- A) 240 mg as an intravenous infusion administered not more frequently than once every 2 weeks; OR
- B) 480 mg as an intravenous infusion administered not more frequently than once every 4 weeks; OR
- C) 3 mg/kg as an intravenous infusion administered not more frequently than once every 2 weeks.
- **8. Mesothelioma**. Approve for 1 year if the patient meets ALL of the following (A, B, C, and D):
  - A) Patient is  $\geq 18$  years of age; AND
  - **B**) Patient has ONE of the following (i, ii, iii, or iv):
  - A) Malignant pleural mesothelioma; OR
  - **B**) Malignant peritoneal mesothelioma; OR
  - C) Pericardial mesothelioma; OR
  - **D**) Tunica vaginalis testis mesothelioma; AND
  - C) If used as first-line therapy, the patient meets the following (i and ii):
  - A) The patient has unresectable disease; AND
  - **B**) The medication is used in combination with Yervoy (ipilimumab intravenous infusion); AND
  - **D**) The medication is prescribed by or in consultation with an oncologist.

**Dosing.** Approve one of the following dosing regimens (A or B):

- A) 360 mg as an intravenous infusion administered not more frequently than once every 3 weeks; OR
- **B**) 3 mg/kg as an intravenous infusion administered not more frequently than once every 2 weeks.
- **9. Non-Small Cell Lung Cancer**. Approve for 1 year if the patient meets ALL of the following (A, B, and C):
  - A) Patient is  $\geq 18$  years of age; AND
  - **B**) Patient meets one of the following (i, ii, iii, iv, v, or vi):
    - **i.** Opdivo is used as first-line or continuation maintenance therapy and the patient meets ALL of the following (a, b, <u>and</u> c):

Note: This is regardless of programmed death-ligand-1 (PD-L1) status.

- a) Patient has recurrent, advanced, or metastatic disease; AND
- b) Opdivo will be used in combination with Yervoy (ipilimumab intravenous infusion); AND
- c) The tumor is <u>negative</u> for actionable mutations; OR <u>Note</u>: Examples of actionable mutations include sensitizing epidermal growth factor receptor (*EGFR*) mutation, anaplastic lymphoma kinase (*ALK*) fusions, *NTRK* gene fusion-positive, *ROS1*, *BRAF V600E*, *MET 14* skipping mutation, *RET* rearrangement.
- ii. Opdivo is used as first-line therapy and the patient meets ALL of the following (a, b, <u>and</u> c): Note: This is regardless of PD-L1 status.
  - i. Patient has recurrent, advanced, or metastatic disease; AND
  - ii. The tumor is positive for one of the following mutations [(1), (2), (3), or (4)]:
    - 1. BRAF V600E mutation; OR
    - 2. NTRK1/2/3 gene fusion; OR
    - 3. MET exon 14 skipping mutation; OR
    - 4. *RET* rearrangement; AND
  - iii. The medication will be used in combination with Yervoy (ipilimumab intravenous infusion): OR
- iii. Opdivo is used as first-line or subsequent therapy and the patient meets ALL of the following (a, b, and c):

Note: This is regardless of PD-L1 status.

i. Patient has recurrent, advanced, or metastatic disease; AND

- ii. The tumor is positive for one of the following mutations  $[(1), (2), \underline{\text{or}}(3)]$ :
  - 1. Epidermal growth factor receptor (EGFR) exon 20 mutation; OR
  - 2. KRAS G12C mutation; OR
  - 3. ERBB2 (HER2); AND
- iii. The medication will be used in combination with Yervoy (ipilimumab intravenous infusion): OR
- iv. Opdivo is used as subsequent therapy and the patient meets ALL of the following (a, b, c, <u>and</u> d):
  - a) Patient has recurrent, advanced, or metastatic disease; AND
  - **b**) The tumor is positive for one of the following mutations  $[(1), (2), (3), \underline{\text{or}}(4)]$ :
    - 1. Epidermal growth factor receptor (*EGFR*) *S768I*, *L861Q*, and/or *G719X* mutation positive; OR
    - 2. EGFR exon 19 deletion or exon 21 L858R; OR
    - 3. Anaplastic lymphoma kinase (ALK) rearrangement positive; OR
    - 4. ROS1 rearrangement positive; AND
  - c) The patient has received targeted drug therapy for the specific mutation; AND Note: Examples of targeted drug therapy include Gilotrif (afatinib tablet), Tagrisso (osimertinib tablet), erlotinib, Iressa (gefitinib tablet), Vizimpro (dacomitinib tablet), Xalkori (crizotinib capsule), Rozlytrek (entrectinib capsule), or Zykadia (ceritinib tablet).
  - d) Opdivo is used in combination with Yervoy (ipilimumab intravenous infusion); OR
  - v. Patient meets ALL of the following (a, b, c, and d):
    - a) Patient has recurrent, advanced, or metastatic disease; AND
    - b) Patient has tried systemic chemotherapy; AND
      - <u>Note</u>: Examples of systemic chemotherapy include cisplatin, carboplatin, Alimta (pemetrexed injection), Abraxane (paclitaxel albumin-bound injection), gemcitabine, paclitaxel.
    - c) Patient has <u>not</u> progressed on prior therapy with a programmed death-1 (PD-1)/PD-L1 inhibitor; AND
      - <u>Note</u>: This includes previous therapy with either one of Opdivo, Keytruda (pembrolizumab intravenous infusion), or Tecentriq (atezolizumab intravenous infusion).
    - **d**) If tumor is positive for an actionable mutation, the patient has received targeted drug therapy for the specific mutation; AND
      - <u>Note</u>: Examples of actionable mutations include sensitizing epidermal growth factor receptor (*EGFR*) mutation, anaplastic lymphoma kinase (*ALK*) fusions, *NTRK* gene fusion-positive, *ROS1*, *BRAF V600E*, *MET 14* skipping mutation, *RET* rearrangement; OR
  - vi. Patient meets ALL of the following (a, b, and c):
    - a) Patient has resectable disease; AND
      - <u>Note</u>: Resectable disease is defined as tumors  $\geq 4$  cm or node positive.
    - **b)** Opdivo is used as neoadjuvant therapy; AND
    - c) Opdivo is used in combination with platinum-doublet chemotherapy; AND <u>Note</u>: Examples of platinum-doublet chemotherapy include carboplatin plus paclitaxel, cisplatin plus pemetrexed, and cisplatin plus gemcitabine.
- C) The medication is prescribed by or in consultation with an oncologist.

- A) 240 mg as an intravenous infusion administered not more frequently than once every 2 weeks; OR
- B) 360 mg as an intravenous infusion administered not more frequently than once every 3 weeks; OR
- C) 480 mg as an intravenous infusion administered not more frequently than once every 4 weeks; OR
- **D)** 3 mg/kg as an intravenous infusion administered not more frequently than once every 2 weeks.
- **10. Renal Cell Carcinoma.** Approve for 1 year if the patient meets ALL of the following (A, B, and C):
- 10. Kenai Cen Carcinoma. Approve for 1 year if the patient meets ALL of the following (A, B, and C):
  - A) Patient is  $\geq$  18 years of age; AND

- B) Patient has advanced, relapsed, or metastatic disease; AND
- C) The medication is prescribed by or in consultation with an oncologist.

- A) 240 mg as an intravenous infusion administered not more frequently than once every 2 weeks; OR
- B) 480 mg as an intravenous infusion administered not more frequently than once every 4 weeks; OR
- C) 3 mg/kg as an intravenous infusion administered not more frequently than once every 3 weeks.
- 11. Urothelial Carcinoma. Approve for 1 year if the patient meets ALL of the following (A, B, and C):
  - A) Patient is  $\geq 18$  years of age; AND
  - **B**) Patient meets ONE of the following (i or ii):
    - i. Patient has tried at least one other chemotherapy regimen; OR

      Note: Examples of chemotherapy regimens are cisplatin, carboplatin, gemcitabine.
    - ii. Patient is at high risk of recurrence after radical resection of the tumor; AND
  - C) The medication is prescribed by or in consultation with an oncologist.

**Dosing.** Approve one of the following dosing regimens (A or B):

- A) 240 mg as an intravenous infusion administered not more frequently than once every 2 weeks; OR
- **B)** 480 mg as an intravenous infusion administered not more frequently than once every 4 weeks.

### Other Uses with Supportive Evidence

- **12. Ampullary Adenocarcinoma**. Approve for 1 year if the patient meets ALL of the following (A, B, C, D, and E):
  - A) Patient is  $\geq 18$  years of age; AND
  - **B)** Patient has microsatellite instability-high (MSI-H) or mismatch repair deficient (dMMR) disease; AND
  - C) Patient meets ONE of the following (i or ii):
    - i. The medication is used first-line and the patient has ONE of the following (a, b, or c):
      - a) Unresectable localized disease; OR
      - b) Stage IV resected disease; OR
      - c) Metastatic disease at initial presentation; OR
    - ii. The medication is used for subsequent therapy; AND
  - **D)** The medication is used in combination with Yervoy (ipilimumab intravenous infusion); AND
  - **E**) The medication is prescribed by or in consultation with an oncologist.

- A) 240 mg as an intravenous infusion administered not more frequently than once every 2 weeks; OR
- B) 480 mg as an intravenous infusion administered not more frequently than once every 4 weeks; OR
- C) 3 mg/kg as an intravenous infusion administered not more frequently than once every 3 weeks.
- 13. Anal Carcinoma. Approve for 1 year if the patient meets ALL of the following (A, B, and C):
  - A) Patient is  $\geq 18$  years of age; AND
  - **B**) Patient has tried at least one chemotherapy regimen; AND Note: Examples of chemotherapy are 5-fluorouracil (5-FU), cisplatin, carboplatin plus paclitaxel, FOLFOX (oxaliplatin, leucovorin, and 5-FU).
  - **C**) The medication is prescribed by or in consultation with an oncologist.

- A) 240 mg as an intravenous infusion administered not more frequently than once every 2 weeks; OR
- **B**) 480 mg as an intravenous infusion administered not more frequently than once every 4 weeks; OR
- C) 3 mg/kg as an intravenous infusion administered not more frequently than once every 2 weeks.
- **14. Bone Cancer**. Approve for 1 year if the patient meets ALL of the following (A, B, C, D, E, F, G, and H).
  - A) Patient is  $\geq 18$  years of age; AND
  - **B)** Patient has one of the following conditions (i, ii, iii, iv, or v):
    - i. Chondrosarcoma; OR
    - ii. Chordoma; OR
    - iii. Ewing sarcoma; OR
    - iv. Osteosarcoma; OR
    - v. High-grade undifferentiated pleomorphic sarcoma; AND
  - C) Patient has unresectable or metastatic disease; AND
  - D) Patient has tumor mutational burden-high (TMB-H) disease; AND
  - E) Patient has progressed following prior treatment; AND
  - F) Patient has no satisfactory alternative treatment options; AND
  - G) The medication is used in combination with Yervoy (ipilimumab intravenous infusion); AND
  - **H**) The medication is prescribed by or in consultation with an oncologist.

**Dosing.** Approve 240 mg as an intravenous infusion administered not more frequently than once every 2 weeks.

- **15.** Cervical Cancer. Approve for 1 year if the patient meets ALL of the following (A, B, C, and D):
  - A) Patient is  $\geq 18$  years of age; AND
  - **B**) Patient has programmed death ligand-1 (PD-L1) positive disease (combined positive score [CPS] ≥ 1); AND
  - C) The medication is used as second-line or subsequent therapy; AND
  - **D)** The medication is prescribed by or in consultation with an oncologist.

**Dosing.** Approve 240 mg as an intravenous infusion administered not more frequently than once every 2 weeks.

- **16. Diffuse High-Grade Gliomas.** Approve for 1 year if the patient meets ALL of the following (A, B, C, and D):
  - A) Patient is < 18 years of age; AND
  - B) Patient has hypermutant tumor diffuse high-grade glioma; AND
  - C) Patient meets ONE of the following (i or ii):
    - i. The medication is used for adjuvant treatment; OR
    - ii. The medication is used for recurrent or progressive disease; AND
  - **D)** The medication is prescribed by or in consultation with an oncologist.

- A) 240 mg as an intravenous infusion administered not more frequently than once every 2 weeks; OR
- B) 480 mg as an intravenous infusion administered not more frequently than once every 4 weeks; OR
- C) 3 mg/kg as an intravenous infusion administered not more frequently than once every 3 weeks.

- **17. Endometrial Carcinoma.** Approve for 1 year if the patient meets ALL of the following (A, B, C, <u>and</u> D):
  - A) Patient is  $\geq 18$  years of age; AND
  - **B)** Patient has tried at least one prior systemic therapy; AND <a href="Note">Note</a>: Examples are carboplatin, paclitaxel, docetaxel, cisplatin, doxorubicin, topotecan, ifosfamide, everolimus/letrozole.
  - C) Patient has mismatch repair deficient/microsatellite instability-high (dMMR/MSI-H) disease; AND
  - **D**) The medication is prescribed by or in consultation with an oncologist.

- A) 240 mg as an intravenous infusion administered not more frequently than once every 2 weeks; OR
- **B)** 480 mg as an intravenous infusion administered not more frequently than once every 4 weeks; OR
- C) 3 mg/kg as an intravenous infusion administered not more frequently than once every 2 weeks.
- **18. Extranodal NK/T-Cell Lymphomas.** Approve for 1 year if the patient meets ALL of the following (A, B, and C):
  - A) Patient is  $\geq 18$  years of age; AND
  - **B)** Patient has received an asparaginase-based chemotherapy regimen; AND Note: Examples of asparaginase-based chemotherapy are dexamethasone, ifosfamide, pegaspargase, etoposide; and gemcitabine, pegaspargase, oxaliplatin.
  - C) The medication is prescribed by or in consultation with an oncologist.

### **Dosing.** Approve one of the following dosing regimens (A or B):

- A) 240 mg as an intravenous infusion administered not more frequently than once every 2 weeks; OR
- **B)** 480 mg as an intravenous infusion administered not more frequently than once every 4 weeks.
- **19. Gestational Trophoblastic Neoplasia.** Approve for 1 year if the patient meets BOTH of the following (A and B):
  - A) Patient meets one of the following (i or ii):
    - i. Patient has tried at least one previous chemotherapy regimen for recurrent or progressive disease; OR
      - <u>Note</u>: Examples of chemotherapy regimens contain etoposide, cisplatin/carboplatin, paclitaxel, bleomycin, ifosfamide, methotrexate.
    - ii. Patient has methotrexate-resistant high-risk disease: AND
  - **B**) The medication is prescribed by or in consultation with an oncologist.

- A) 240 mg as an intravenous infusion administered not more frequently than once every 2 weeks; OR
- **B)** 480 mg as an intravenous infusion administered not more frequently than once every 4 weeks.

- 20. Kaposi Sarcoma. Approve for 1 year if the patient meets ALL of the following (A, B, C, and D):
  - A) Patient has classic disease; AND
  - **B**) Patient has relapsed or refractory disease; AND
  - C) The medication is used in combination with Yervoy (ipilimumab intravenous infusion); AND
  - **D**) The medication is prescribed by or in consultation with an oncologist.

**Dosing.** Approve 240 mg as an intravenous infusion administered not more frequently than once every 2 weeks.

- **21. Merkel Cell Carcinoma.** Approve for 1 year if the patient meets ALL of the following (A, B, and C):
  - A) Patient is  $\geq 18$  years of age; AND
  - **B**) Patient meets ONE of the following (i or ii):
    - i. Patient has disseminated Merkel cell carcinoma; OR
    - ii. The medication is used as neoadjuvant therapy; AND
  - C) The medication is prescribed by or in consultation with an oncologist.

**Dosing.** Approve one of the following dosing regimens (A or B):

- A) 3 mg/kg as an intravenous infusion administered not more frequently than once every 2 weeks; OR
- **B)** 240 mg as an intravenous infusion administered not more frequently than once every 2 weeks.
- **22. Neuroendocrine Tumors.** Approve for 1 year if the patient meets ALL of the following (A, B, C, D, and E):
  - A) Patient is  $\geq 18$  years of age; AND
  - **B)** Patient has advanced or metastatic disease; AND
  - C) Patient meets one of the following (i or ii):
    - i. Patient has well differentiated, Grade 3 disease; OR
    - ii. Patient has poorly differentiated, large or small cell disease (other than lung); AND
  - **D**) The medication is used in combination with Yervoy (ipilimumab intravenous infusion); AND
  - **E**) The medication is prescribed by or in consultation with an oncologist.

**Dosing.** Approve 3 mg/kg as an intravenous infusion administered not more frequently than once every 2 weeks.

- **23. Pediatric Hodgkin Lymphoma.** Approve for 1 year if the patient meets ALL of the following (A, B, C, and D):
  - A) Patient is < 18 years of age; AND
  - **B)** Patient has tried at least one prior systemic chemotherapy; AND

    Note: Examples are AVPC (doxorubicin, vincristine, prednisone, cyclophosphamide), ABVE-PC (doxorubicin, bleomycin, vincristine, etoposide, prednisone, cyclophosphamide), OEPA (vincristine, etoposide, prednisone, doxorubicin).
  - C) If used for re-induction therapy, the medication is used in combination with Adcetris (brentuximab intravenous infusion); AND
  - **D**) The medication is prescribed by or in consultation with an oncologist.

- A) 240 mg as an intravenous infusion administered not more frequently than once every 2 weeks; OR
- B) 480 mg as an intravenous infusion administered not more frequently than once every 4 weeks; OR

- C) 3 mg/kg as an intravenous infusion administered not more frequently than once every 2 weeks.
- **24. Primary Mediastinal Large B-Cell Lymphoma.** Approve for 1 year if the patient meets ALL of the following (A, B, and C):
  - A) Patient has relapsed or refractory disease; AND
  - **B**) Patient meets ONE of the following (i or ii):
    - i. The medication is used as a single agent; OR
    - **ii.** The medication is used in combination with Adcetris (brentuximab intravenous infusion) after a partial response to therapy for relapsed or refractory disease; AND
  - C) The medication is prescribed by or in consultation with an oncologist.

- A) 240 mg as an intravenous infusion administered not more frequently than once every 2 weeks; OR
- **B**) 3 mg/kg as an intravenous infusion administered not more frequently than once every 2 weeks.
- **25. Small Bowel Adenocarcinoma.** Approve for 1 year if the patient meets ALL of the following (A, B, C, and D):
  - A) Patient is  $\geq 18$  years of age; AND
  - **B)** Patient has advanced or metastatic disease; AND
  - C) The tumor is microsatellite instability-high (MSI-H) or mismatch repair deficient (dMMR); AND
  - **D**) The medication is prescribed by or in consultation with an oncologist.

**Dosing.** Approve one of the following dosing regimens (A, B, or C):

- A) 240 mg as an intravenous infusion administered not more frequently than once every 2 weeks; OR
- **B)** 480 mg as an intravenous infusion administered not more frequently than once every 4 weeks; OR
- C) 3 mg/kg as an intravenous infusion administered not more frequently than once every 2 weeks.
- **26. Small Cell Lung Cancer.** Approve for 1 year if the patient meets ALL of the following (A, B, and C):
  - A) Patient is  $\geq 18$  years of age; AND
  - **B**) The medication is used as second-line or subsequent therapy; AND
  - C) The medication is prescribed by or in consultation with an oncologist.

**Dosing.** Approve one of the following dosing regimens (A or B):

- A) 240 mg as an intravenous infusion administered not more frequently than once every 2 weeks; OR
- **B)** 480 mg as an intravenous infusion administered not more frequently than once every 4 weeks.
- 27. Vulvar Cancer. Approve for 1 year if the patient meets ALL of the following (A, B, C, and D):
  - A) Patient is  $\geq 18$  years of age; AND
  - B) Patient has human papilloma virus (HPV)-related disease; AND
  - C) Patient has tried at least one prior systemic therapy; AND Note: Examples are cisplatin, carboplatin, fluorouracil, paclitaxel, bevacizumab.
  - **D**) The medication is prescribed by or in consultation with an oncologist.

**Dosing.** Approve 240 mg as an intravenous infusion administered not more frequently than once every 2 weeks.

#### CONDITIONS NOT RECOMMENDED FOR APPROVAL

Coverage of Opdivo is not recommended in the following situations:

1. Coverage is not recommended for circumstances not listed in the Recommended Authorization Criteria. Criteria will be updated as new published data are available.

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# HISTORY

HISTORY Type of Revision	Summary of Changes	Review Date
A1 Di-i	Classic Walshire Lamphanese Association of community and that the tital and the	01/26/2022
Annual Revision	<b>Classic Hodgkin Lymphoma:</b> An option of approval was added that "the patient has relapsed or refractory disease and the medication is used in combination with Adcetris	01/26/2022
	(brentuximab intravenous infusion)".	
	Colon or Rectal Cancer: Removed Microsatellite Instability High (MSI-H) or	
	Mismatch Repair Deficient (dMMR) from the condition of approval and added it as a requirement. Added "advanced" to option of approval that patient has unresectable or	
	metastatic disease and removed "and is not a candidate for intensive therapy, according	
	to the prescriber".	
	<b>Esophageal and Esophagogastric Junction Carcinoma:</b> Removed "patient has residual disease following surgical resection" as an option of approval for both squamous	
	cell carcinoma and adenocarcinoma.	
	Head and Neck Squamous Cell Carcinoma: For non-nasopharyngeal disease,	
	removed options of approval that "the patient has tried chemotherapy," or "platinum-containing chemotherapy or other chemotherapy is contraindicated". Added requirement	
	that "the patient has progressed on platinum-based chemotherapy". Added options of	
	approval that "the patient has nasopharyngeal disease", "has recurrent, unresectable,	
	oligometastatic, or metastatic disease", and "Opdivo is used in combination with cisplatin and gemcitabine".	
	Mesothelioma: Removed Malignant Pleural from the condition of approval. Removed	
	requirement that "the patient has unresectable disease". Added "malignant pleural	
	mesothelioma, malignant peritoneal mesothelioma, pericardial mesothelioma, and tunica vaginalis testis mesothelioma" as options of approval. Added "if used as first-line	
	therapy" to requirement that Opdivo is used in combination with Yervoy. Added	
	additional dosing regimen of up to 3 mg/kg as an intravenous infusion not more	
	frequently than once every 2 weeks.  Melanoma: Revised dosing regimen to from 1 mg/kg to 3 mg/kg as an intravenous	
	infusion administered not more frequently than once every 2 weeks.	
	Non-Small Cell Lung Cancer: Added "recurrent" to requirement that the patient has	
	advanced or metastatic disease. Added "or continuation maintenance" to requirement	
	that Opdivo is used first-line. Removed requirement that "the tumor expresses programmed death ligand- $1 \ge 1$ %" and added Note that this is regardless of PD-L1 status.	
	Added "or subsequent" to requirement that Opdivo is used as first-line therapy. Revised	
	requirement from the tumor is negative for actionable mutations to "the tumor is positive	
	for one of the following mutations: epidermal growth factor receptor exon 20 mutation, KRAS G12C mutation, BRAF V600E mutation, NTRK1/2/3 gene fusion, MET exon 14	
	skipping mutation, or RET rearrangement". Removed requirement that Opdivo is used	
	in combination with platinum-doublet chemotherapy. Added option of approval for	
	subsequent therapy that "the tumor is epidermal growth factor receptor S768I, L861Q, and/or G719X mutation positive" or "ROS1 rearrangement positive", and "patient has	
	received targeted therapy", and "Opdivo used in combination with Yervoy".	
	Cervical Cancer: Added new condition of approval.	
	<b>Endometrial Carcinoma:</b> Revised requirement from patient has progressed on, to "patient has tried at least one prior systemic therapy". Added "microsatellite instability-	
	high" to requirement that patient has mismatch repair deficient disease.	
	Merkel Cell Carcinoma: Added "the medication is used as neoadjuvant therapy" as an	
	option of approval.  Neuroendocrine Tumors: Added new conditional of approval.	
	Small Bowel Adenocarcinoma: Removed "if the medication is used as initial therapy,	
	the patient has tried oxaliplatin in the adjuvant setting or has a contraindication to	
	oxaliplatin" and "the medication is used as subsequent therapy".  Small Cell Lung Cancer: Added new condition of approval.	
Selected Revision	Colon or Rectal Cancer: Removed "up to" from 3 mg/kg dosing regimen.	07/13/2022
	Esophageal and Esophagogastric Junction Carcinoma: Add criterion for the first-	
	line treatment of adults with unresectable advanced or metastatic squamous cell carcinoma in combination with fluoropyrimidine- and platinum-containing	
	chemotherapy or Yervoy (ipilimumab intravenous infusion). Added 360 mg as an	
	intravenous (IV) infusion administered not more frequently than once every 3 weeks and	
	3 mg/kg as an IV infusion administered not more frequently than once every 2 weeks as additional dosing regimens.	
	additional dooms regimens.	

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	Melanoma: Removed "up to" from 3 mg/kg dosing regimen.	
	Mesothelioma: Removed "up to" from 3 mg/kg dosing regimen.	
	Non-Small Cell Lung Cancer: Added criterion for neoadjuvant treatment of adults with	
	resectable disease in combination with platinum-doublet chemotherapy. Removed "up	
	to" from the 3 mg/kg dosing regimen.	
	Renal Cell Carcinoma: Removed "up to" from 3 mg/kg dosing regimen.	
Annual Revision	Classic Hodgkin Lymphoma: Added ICE (ifosfamide, carboplatin, and etoposide) to	02/08/2023
	requirement that the patient has relapsed or refractory disease and the medication will be	
	used in combination with Adcetris.	
	Colon, Rectal, or Appendiceal Cancer: Added Appendiceal to the condition of	
	approval. Added medication is used for adjuvant therapy as an additional option for	
	approval.	
	Esophageal and Esophagogastric Junction Carcinoma: For squamous cell	
	carcinoma, added according to the prescriber, the patient is not a surgical candidate, as	
	an option of approval. Added locally and recurrent to patient has unresectable locally	
	advanced, recurrent, or metastatic disease. Added requirement that the disease is	
	negative for human epidermal growth factor 2 overexpression.	
	Head and Neck Squamous Cell Carcinoma: Patient has progressed on or following	
	platinum based chemotherapy was removed as an option for approval.	
	<b>Mesothelioma:</b> For first-line therapy, added patient has unresectable disease as a	
	requirement.	
	Non-Small Cell Lung Cancer: Added first-line use in patients with recurrent, advanced,	
	or metastatic disease with <i>BRAF V600E</i> mutation, <i>NTRK1/2/3</i> gene fusion, <i>MET</i> exon 14	
	skipping mutation, or <i>RET</i> rearrangement, in combination with Yervoy® (ipilimumab	
	intravenous infusion) as an option of approval. Removed <i>BRAF V600E</i> mutation,	
	NTRK1/2/3 gene fusion, MET exon 14 skipping mutation, or RET rearrangement as	
	options for approval for first-line or subsequent therapy.	
	<b>Renal Cell Carcinoma:</b> Removed Stage IV from requirement that the patient has	
	advanced, relapsed, or metastatic disease. For first-line therapy, added patient has clear	
	cell histology as a requirement.	
	Ampullary Adenocarcinoma: Added new condition of approval.	
	Anal Carcinoma: Added 480 mg as an intravenous infusion administered not more	
	frequently than once every 4 weeks as another dosing option.	
	Bone Cancer: Added new condition of approval.	
	Cervical Cancer: Removed 480 mg as an intravenous infusion administered not more	
	frequently than once every 4 weeks as a dosing option.	
	<b>Diffuse High-Grade Gliomas:</b> Added new condition of approval.	
	<b>Endometrial Carcinoma:</b> Added 3 mg/kg as an intravenous infusion administered not	
	more frequently than once every 2 weeks as a dosing option.	
	<b>Extranodal NK/T-Cell Lymphomas:</b> Removed nasal type from the condition of	
	approval.	
	Kaposi Sarcoma: Added new condition of approval.	
	Merkel Cell Carcinoma: Added 240 mg as an intravenous infusion administered not	
	more frequently than once every 2 weeks as another dosing option.	
	Primary Mediastinal Large B-Cell Lymphoma: Added new condition of approval.	
	<b>Vulvar Cancer:</b> Removed 480 mg as an intravenous infusion administered not more	
	frequently than once every 3 weeks as a dosing option.	
Selected Revision	<b>Renal Cell Carcinoma:</b> Removed requirement "If used as first line therapy, the patient	08/23/2023
	meets the following: the patient has clear cell histology; AND the medication is used in	
	combination with Yervoy (ipilimumab intravenous infusion) or Cabometyx	
	(cabozantinib tablets).".	
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