

POLICY: Oncology (Injectable – Programmed Death Receptor-1) – Keytruda

- Keytruda® (pembrolizumab intravenous infusion – Merck)

EFFECTIVE DATE: 1/1/2021

LAST REVISION DATE: 04/26/2023

COVERAGE CRITERIA FOR: All Aspirus Medicare Plans

OVERVIEW

Keytruda, a human programmed death receptor-1 (PD-1) blocking antibody, is indicated for the treatment of the following indications:¹

- 1) **Breast cancer, triple-negative**, in the following situations:
 - In combination with chemotherapy for the treatment of locally recurrent unresectable or metastatic disease in patients whose tumors express programmed death-ligand 1 (PD-L1) [combined positive score {CPS} ≥ 10] as determined by an FDA-approved test.
 - For the treatment of high-risk, early-stage disease in combination with chemotherapy as neoadjuvant treatment, and then continued as a single agent as adjuvant treatment after surgery.
- 2) **Cervical cancer**, in the following situations:
 - In combination with chemotherapy, with or without bevacizumab, for persistent, recurrent, or metastatic disease in patients whose tumor expresses PD-L1 (CPS ≥ 1) as determined by an FDA-approved test.
 - As a single agent, for treatment of recurrent or metastatic disease with disease progression on or after chemotherapy in patients whose tumors express PD-L1 (CPS ≥ 1) as determined by an FDA-approved test.
- 3) **Classical Hodgkin lymphoma**, in the following situations:
 - For treatment of relapsed or refractory disease in adults.
 - For the treatment of refractory disease, or disease that has relapsed after two or more prior lines of therapy in pediatric patients.
- 4) **Cutaneous squamous cell carcinoma**, for treatment of recurrent or metastatic disease, or locally advanced disease that is not curable by surgery or radiation.
- 5) **Endometrial cancer**, in the following situations:
 - In combination with Lenvima® (lenvatinib capsules), for the treatment of advanced disease that is mismatch repair proficient (pMMR) as determined by an FDA-approved test or not microsatellite instability high (MSI-H), in patients who have disease progression following prior systemic therapy and are not candidates for curative surgery or radiation.
 - As a single agent, for the treatment of advanced disease that is MSI-H or mismatch repair deficient (dMMR) as determined by an FDA-approved test, in patients who have disease progression following prior systemic therapy in any setting and are not candidates for curative surgery or radiation.
- 6) **Esophageal cancer**, treatment of locally advanced or metastatic esophageal or gastroesophageal junction (GEJ) carcinoma (tumors with epicenter 1 to 5 centimeters above the GEJ) that is not amenable to surgical resection or definitive chemoradiation in the following situations:
 - In combination with platinum- and fluoropyrimidine-based chemotherapy.
 - As a single agent after one or more prior lines of systemic therapy for tumors of squamous cell histology that express PD-L1 (CPS ≥ 10) as determined by an FDA-approved test.

- 7) **Gastric cancer**, for the first-line treatment of locally advanced unresectable or metastatic human epidermal growth factor receptor 2 (HER2)-positive gastric or GEJ adenocarcinoma, in combination with trastuzumab, fluoropyrimidine- and platinum-containing chemotherapy.*
- 8) **Head and neck squamous cell carcinoma**, in the following situations:
 - As a single agent for the treatment of recurrent or metastatic disease with disease progression on or after platinum-containing chemotherapy.
 - In combination with platinum and fluorouracil (FU) for the first-line treatment of metastatic or unresectable, recurrent disease.
 - As a single agent, for the first line treatment of metastatic or unresectable, recurrent disease in patients whose tumors express PD-L1 (CPS \geq 1) as determined by an FDA-approved test.
- 9) **Hepatocellular carcinoma**, for treatment of hepatocellular carcinoma in patients who have been previously treated with Nexavar[®] (sorafenib tablets).*
- 10) **Melanoma**, in the following situations:
 - For the treatment of unresectable or metastatic disease.
 - As adjuvant treatment of Stage IIB, IIC, or III melanoma following complete resection in patients \geq 12 years of age.
- 11) **Merkel cell carcinoma**, for treatment of recurrent, locally advanced, or metastatic disease in adults and pediatric patients.*
- 12) **Microsatellite instability-high (MSI-H) or mismatch repair deficient (dMMR) cancer**, for treatment of unresectable or metastatic MSI-H or dMMR solid tumors, as determined by an FDA-approved test, in adult and pediatric patients that have progressed following prior treatment and who have no satisfactory alternative treatment options.
- 13) **Microsatellite instability-high (MSI-H) or mismatch repair deficient (dMMR) colorectal cancer**, for the treatment of unresectable or metastatic disease, as determined by an FDA-approved test.
- 14) **Non-small cell lung cancer (NSCLC)**, in the following situations:
 - As a single agent for the first-line treatment of tumors that express PD-L1 (tumor proportion score [TPS] \geq 1%) as determined by an FDA-approved test, with no epidermal growth factor receptor (*EGFR*) or anaplastic lymphoma kinase (*ALK*) genomic tumor aberrations, and is stage III where patients are not candidates for surgical resection or definitive chemoradiation, or for metastatic disease.
 - As a single agent for the treatment of metastatic disease in patients whose tumors express PD-L1 (TPS \geq 1%) as determined by an FDA-approved test and with disease progression on or after platinum-containing chemotherapy. Patients with *EGFR* or *ALK* genomic tumor aberrations should have disease progression on FDA-approved therapy for these aberrations prior to receiving Keytruda.
 - In combination with pemetrexed and platinum-based chemotherapy, for the first-line treatment of metastatic nonsquamous NSCLC in patients with no *EGFR* or *ALK* genomic tumor aberrations.
 - In combination with carboplatin and either paclitaxel or paclitaxel protein-bound, for first-line treatment in metastatic squamous NSCLC.
 - As a single agent, as adjuvant treatment following resection and platinum-based chemotherapy for stage IB, II, or IIIA NSCLC in adults.
 - **Primary mediastinal large B-cell lymphoma (PMBCL)**, for treatment of refractory disease, or relapsed disease after two or more prior lines of therapy, in adult and pediatric patients.
Limitation of Use: Keytruda is not recommended for treatment of patients with PMBCL who require urgent cytoreductive therapy.
- 15) **Renal cell carcinoma**, in the following situations:
 - In combination with Inlyta[®] (axitinib tablets) or Lenvima, for the first-line treatment of advanced disease in adults.

- For adjuvant treatment of disease that is intermediate-high or high risk of recurrence following nephrectomy, or following nephrectomy and resection of metastatic lesions.
- 16) **Tumor mutational burden-high (TMB-H) cancer**, for treatment of unresectable or metastatic TMB-H (≥ 10 mutations/megabase) disease, as determined by an FDA-approved test, in adult and pediatric patients that have progressed following prior treatment and who have no satisfactory alternative treatment options.*
- Limitation of Use:* The safety and effectiveness of Keytruda in pediatric patients with TMB-H central nervous system cancers have not been established.
- 17) **Urothelial carcinoma**, in the following situations:
- Treatment of locally advanced or metastatic disease in patients who are not eligible for platinum-containing chemotherapy.
 - Treatment of locally advanced or metastatic urothelial carcinoma in patients who have disease progression during or following platinum-containing chemotherapy or within 12 months of neoadjuvant or adjuvant treatment with platinum-containing chemotherapy.
 - Treatment of Bacillus Calmette-Guerin (BCG)-unresponsive, high-risk, non-muscle invasive bladder cancer with carcinoma in situ with or without papillary tumors in patients who are ineligible for or have elected not to undergo cystectomy.
 - In combination with Padcev[®] (enfortumab intravenous infusion), for the treatment of locally advanced or metastatic urothelial carcinoma in adults who are not eligible for cisplatin-containing chemotherapy.*

* This indication is approved under accelerated approval based on tumor response rate and durability of response. Continued approval for this indication may be contingent upon verification and description of clinical benefit in the confirmatory trials.

Dosing

The recommended dose of Keytruda is 200 mg (for pediatric patients, 2 mg/kg up to 200 mg) administered as an intravenous infusion once every 3 weeks or 400 mg given once every 6 weeks.¹ It is given until disease progression, unacceptable toxicity, or for up to 1 year when used in the adjuvant/neoadjuvant setting; and until disease progression, unacceptable toxicity, or up to 24 months in patients with non-melanoma indications without disease progression. There are no recommended dose reductions in the prescribing information. Management of adverse events may require that Keytruda be withheld or permanently discontinued as determined by the prescriber.

POLICY STATEMENT

Prior Authorization is recommended for medical benefit coverage of Keytruda. 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 Keytruda as well as the monitoring required for adverse events and long-term efficacy, approval requires Keytruda to be prescribed by or in consultation with a physician who specializes in the condition being treated.

Automation: None.

RECOMMENDED AUTHORIZATION CRITERIA

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

FDA-Approved Indications

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- 1. Breast Cancer.** Approve for 1 year if the patient meets ALL of the following (A, B, C, D, E, and F):
- Patient is ≥ 18 years of age; AND
 - Disease is not microsatellite instability-high (MSI-H) or mismatch repair deficient (dMMR); AND
Note: If the tumor is MSI-H or dMMR, see Microsatellite Instability-High (MSI-H) or Mismatch Repair Deficient (dMMR) Solid Tumors criteria.
 - Disease is not tumor mutational burden-high (≥ 10 mutations/megabase); AND
Note: If the tumor is mutational burden-high, see Tumor Mutational Burden-High (TMB-H) Cancer criteria.
 - Patient has triple-negative breast cancer (i.e., estrogen receptor-negative, progesterone receptor-negative, human epidermal growth factor receptor 2 [HER2]-negative); AND
 - Patient meets ONE of the following (i or ii):
 - Patient meets ALL of the following (a, b, and c):
 - Patient has recurrent unresectable (local or regional) or metastatic disease; AND
 - The medication is used in combination with chemotherapy; AND
 - Patient's tumor expression for programmed death-ligand 1 (PD-L1) as determined by an approved test has a combined positive score (CPS) ≥ 10 ; OR
 - Patient has high-risk, early-stage disease; AND
 - The medication is prescribed by or in consultation with an oncologist.

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

- 200 mg as an intravenous infusion administered not more frequently than once every 3 weeks; OR
- 400 mg as an intravenous infusion administered not more frequently than once every 6 weeks.

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- 2. Cervical Cancer.** Approve for 1 year if the patient meets ALL of the following (A, B, C, D, E, and F):
- Patient is ≥ 18 years of age; AND
 - Disease is not microsatellite instability-high (MSI-H) or mismatch repair deficient (dMMR); AND
Note: If the tumor is MSI-H or dMMR, see Microsatellite Instability-High (MSI-H) or Mismatch Repair Deficient (dMMR) Solid Tumors criteria.
 - Disease is not tumor mutational burden-high (≥ 10 mutations/megabase); AND
Note: If the tumor is mutational burden-high, see Tumor Mutational Burden-High (TMB-H) Cancer criteria.
 - Patient has persistent, recurrent, or metastatic disease; AND
 - Patient's tumor expression for programmed death-ligand 1 (PD-L1), as determined by an approved test, has a combined positive score (CPS) ≥ 1 ; AND
 - The medication is prescribed by or in consultation with an oncologist.

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

- 200 mg as an intravenous infusion administered not more frequently than once every 3 weeks; OR
- 400 mg as an intravenous infusion administered not more frequently than once every 6 weeks.

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- 3. Classic Hodgkin Lymphoma.** Approve for 1 year if the patient meets BOTH of the following (A and B):
- Patient meets ONE of the following (i or ii):
 - Patient meets BOTH of the following (a and b):
 - Patient is ≥ 18 years of age; AND

- b) Patient has tried at least one systemic regimen; OR

Note: Examples of systemic regimens are ABVD (doxorubicin, bleomycin, vinblastine, dacarbazine) + rituximab, CHOP (cyclophosphamide, doxorubicin, vincristine, prednisone) + rituximab, CVbP (cyclophosphamide, vinblastine, prednisolone) + rituximab, Adcetris (brentuximab vedotin intravenous infusion) + AVD (doxorubicin, vinblastine, dacarbazine).

- ii. Patient meets BOTH of the following (a and b):

- i. Patient is < 18 years of age; AND
- ii. Patient has relapsed or refractory disease; AND

- B) The medication is prescribed by or in consultation with an oncologist.

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

- A) 200 mg as an intravenous infusion given not more frequently than once every 3 weeks; OR
- B) 400 mg as an intravenous infusion given not more frequently than once every 6 weeks; OR
- C) 2 mg/kg (up to a maximum of 200 mg) given as an intravenous infusion given not more frequently than once every 3 weeks.

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4. **Cutaneous Squamous Cell Carcinoma.** 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 locally advanced, recurrent, or metastatic disease; AND
- C) The disease is not curable by surgery or radiation; 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) 200 mg as an intravenous infusion administered not more frequently than once every 3 weeks; OR
- B) 400 mg as an intravenous infusion administered not more frequently than once every 6 weeks.

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5. **Endometrial Carcinoma.** Approve for 1 year if the patient meets ALL of the following (A, B, C, D, E, F, and G):

- A) Patient is \geq 18 years of age; AND
- B) Disease is not microsatellite instability-high (MSI-H) or mismatch repair deficient (dMMR); AND
Note: If the tumor is MSI-H or dMMR, see Microsatellite Instability-High (MSI-H) or Mismatch Repair Deficient (dMMR) Solid Tumors criteria.
- C) Disease is not tumor mutational burden-high (\geq 10 mutations/megabase); AND
Note: If the tumor is mutational burden-high, see Tumor Mutational Burden-High (TMB-H) Cancer criteria.
- D) The medication is used in combination with Lenvima (lenvatinib capsules); AND
- E) Patient has progressed on at least one prior systemic therapy; AND
Note: Examples of systemic therapy are carboplatin, paclitaxel, docetaxel, cisplatin, doxorubicin, ifosfamide, everolimus, letrozole.
- F) Patient is not a candidate for curative surgery or radiation; AND
- G) The medication is prescribed by or in consultation with an oncologist.

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

- A) 200 mg as an intravenous infusion administered not more frequently than once every 3 weeks; OR
- B) 400 mg as an intravenous infusion administered not more frequently than once every 6 weeks.

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- 6. Esophageal and Esophagogastric Junction Cancer.** Approve for 1 year if the patient meets ALL of the following (A, B, C, D, E, and F):
- A) Patient is ≥ 18 years of age; AND
 - B) Disease is not microsatellite instability-high (MSI-H) or mismatch repair deficient (dMMR); AND
Note: If the tumor is MSI-H or dMMR, see Microsatellite Instability-High (MSI-H) or Mismatch Repair Deficient (dMMR) Solid Tumors criteria.
 - C) Disease is not tumor mutational burden-high (≥ 10 mutations/megabase); AND
Note: If the tumor is mutational burden-high, see Tumor Mutational Burden-High (TMB-H) Cancer criteria.
 - D) Patient meets ONE of the following (i or ii):
 - i. According to the prescriber, the patient is not a surgical candidate; OR
 - ii. Patient has unresectable, recurrent, or metastatic disease; AND
 - E) Patient meets ONE of the following (i, ii, or iii):
 - i. Patient meets ALL of the following (a, b, and c):
 - a) Patient's tumor expression for programmed death-ligand 1 (PD-L1) as determined by an approved test has a combined positive score (CPS) ≥ 10 ; AND
 - b) The medication is used first-line; AND
 - c) The medication is used in combination with chemotherapy; OR
Note: Examples of chemotherapy include cisplatin plus fluorouracil or capecitabine; and oxaliplatin plus fluorouracil or capecitabine.
 - ii. Patient meets ALL of the following (a, b, and c):
 - a) Patient has squamous cell carcinoma; AND
 - b) Patient's tumor expression for programmed death-ligand 1 (PD-L1) as determined by an approved test has a combined positive score (CPS) ≥ 10 ; AND
 - c) Patient has tried at least one previous chemotherapy regimen; OR
Note: Examples of chemotherapy regimens are fluoropyrimidine (fluorouracil or capecitabine) and oxaliplatin, fluoropyrimidine and cisplatin, paclitaxel with cisplatin or carboplatin, docetaxel with cisplatin.
 - iii. Patient meets BOTH of the following (a and b):
 - a) Tumor is human epidermal growth factor receptor 2 (HER2) or HER2/neu positive; AND
 - b) Medication is used in combination with trastuzumab, cisplatin or oxaliplatin, and fluorouracil or capecitabine; AND
 - F) The medication is prescribed by or in consultation with an oncologist.

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

- A) 200 mg as an intravenous infusion administered not more frequently than once every 3 weeks; OR
- B) 400 mg as an intravenous infusion administered not more frequently than once every 6 weeks.

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- 7. Gastric Cancer.** Approve for 1 year if the patient meets ALL of the following (A, B, C, D, and E):
- A) Patient is ≥ 18 years of age; AND
 - B) Disease is not microsatellite instability-high (MSI-H) or mismatch repair deficient (dMMR); AND
Note: If the tumor is MSI-H or dMMR, see Microsatellite Instability-High (MSI-H) or Mismatch Repair Deficient (dMMR) Solid Tumors criteria.
 - C) Disease is not tumor mutational burden-high (≥ 10 mutations/megabase); AND
Note: If the tumor is mutational burden-high, see Tumor Mutational Burden-High (TMB-H) Cancer criteria.
 - D) Patient meets ALL of the following (i, ii, and iii):
 - a. Patient has locally advanced unresectable or metastatic disease; AND

- b. Tumor is human epidermal growth factor receptor 2 (HER2) or HER2/neu positive; AND
 - c. Medication is used in combination with trastuzumab, cisplatin or oxaliplatin, and fluorouracil or capecitabine; AND
- E) The medication is prescribed by or in consultation with an oncologist.

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

- A) 200 mg as an intravenous infusion administered not more frequently than once every 3 weeks; OR
- B) 400 mg as an intravenous infusion administered not more frequently than once every 6 weeks.

8. Head and Neck Squamous Cell Carcinoma. Approve for 1 year if the patients meets ALL of the following (A, B, C, D, E, and F):

- A) Patient is ≥ 18 years of age; AND
- B) Disease is not microsatellite instability-high (MSI-H) or mismatch repair deficient (dMMR); AND
Note: If the tumor is MSI-H or dMMR, see Microsatellite Instability-High (MSI-H) or Mismatch Repair Deficient (dMMR) Solid Tumors criteria.
- C) Disease is not tumor mutational burden-high (≥ 10 mutations/megabase); AND
Note: If the tumor is mutational burden-high, see Tumor Mutational Burden-High (TMB-H) Cancer criteria.
- D) Patient has recurrent, unresectable, or metastatic disease; AND
- E) Patient meets ONE of the following (i or ii):
 - i. If the medication is used for first-line treatment, patient must meet ONE of the following (a or b):
 - a) Keytruda is used in combination with chemotherapy; OR
Note: Examples of chemotherapy are cisplatin, carboplatin, fluorouracil, gemcitabine.
 - b) Keytruda is used as a single agent if the tumors are PD-L1-positive (combined positive score ≥ 1), as determined by an approved test.
 - ii. For subsequent therapy, patient has tried at least one platinum-containing chemotherapy regimen; AND
Note: Examples of platinum-contain chemotherapy regimens are: cisplatin or carboplatin with Erbitux (cetuximab intravenous infusion), gemcitabine, or 5-fluorouracil (5-FU).
- E) The medication is prescribed by or in consultation with an oncologist.

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

- A) 200 mg as an intravenous infusion administered not more frequently than once every 3 weeks; OR
- B) 400 mg as an intravenous infusion administered not more frequently than once every 6 weeks.

9. Hepatocellular Carcinoma. Approve for 1 year if the patient meets ALL of the following (A, B, C, D, and E):

- A) Patient is ≥ 18 years of age; AND
- B) Disease is not microsatellite instability-high (MSI-H) or mismatch repair deficient (dMMR); AND
Note: If the tumor is MSI-H or dMMR, see Microsatellite Instability-High (MSI-H) or Mismatch Repair Deficient (dMMR) Solid Tumors criteria.
- C) Disease is not tumor mutational burden-high (≥ 10 mutations/megabase); AND
Note: If the tumor is mutational burden-high, see Tumor Mutational Burden-High (TMB-H) Cancer criteria.
- C) Patient meets ONE of the following (i, ii, or iii):
 - i. Patient has unresectable disease and is not a transplant candidate; OR

- ii. Patient has liver-confined disease, inoperable by performance status, comorbidity, or with minimal or uncertain extrahepatic disease; OR
 - iii. Patient has metastatic disease or extensive liver tumor burden; 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) 200 mg as an intravenous infusion administered not more frequently than once every 3 weeks; OR
- B) 400 mg as an intravenous infusion administered not more frequently than once every 6 weeks.

10. Melanoma. Approve for the duration noted below 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 meets ONE of the following (i or ii):

i. Approve for 1 year if the patient meets BOTH of the following (a and b):

- 1. Patient is ≥ 18 years of age; AND
- 2. Patient has unresectable, advanced, or metastatic melanoma; OR

ii. Approve for up to 1 year (total) if patient meets BOTH of the following (a and b):

- 1. Patient is ≥ 12 years of age; AND
- 2. Keytruda will be used as adjuvant treatment; AND

B) The medication is prescribed by or in consultation with an oncologist.

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

- A) 200 mg as an intravenous infusion administered no more frequently than once every 3 weeks; OR
- B) 400 mg as an intravenous infusion administered no more frequently than once every 6 weeks; OR
- C) 2 mg/kg (up to a maximum of 200 mg) as an intravenous infusion given no more frequently than once every 3 weeks.

11. Merkel Cell Carcinoma. Approve for 1 year if the patient meets BOTH of the following (A and B):

A) Patient meets ONE of the following (i, ii, or iii):

- i. Patient has recurrent locally advanced disease; OR
- ii. Patient has recurrent regional disease; OR
- iii. Patient has metastatic disease; AND

B) The medication is prescribed by or in consultation with an oncologist.

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

- A) 200 mg as an intravenous infusion given not more frequently than once every 3 weeks; OR
- B) 400 mg as an intravenous infusion given not more frequently than once every 6 weeks; OR
- C) 2 mg/kg (up to a maximum of 200 mg) given as an intravenous infusion given not more frequently than once every 3 weeks.

12. Microsatellite Instability-High (MSI-H) or Mismatch Repair Deficient (dMMR) Solid Tumors.

Approve for 1 year if the patient meets BOTH of the following (A and B):

Note: Examples of solid tumors with MSI-H or dMMR are adrenal gland, biliary tract cancers, breast cancer, cervical cancer, chondrosarcoma, colon or rectal cancer, endometrial carcinoma, esophageal or esophagogastric cancers, Ewing sarcoma, gallbladder carcinoma, gastric cancer, head and neck squamous cell carcinoma, hepatocellular carcinoma, occult primary (cancer of unknown primary), osteosarcoma, ovarian/fallopian tube/primary peritoneal, pancreatic adenocarcinoma, penile cancer, neuroendocrine tumor, prostate cancer, small bowel adenocarcinoma, testicular cancer, vulvar cancer.

- A) One of the following conditions applies (i, ii, iii, iv, v, vi, vii, or viii):
- i. Patient has advanced or metastatic ampullary cancer; OR
 - ii. Patient has unresectable or metastatic colon or rectal cancer; OR
 - iii. Patient has unresectable or metastatic gallbladder cancer (including intra- and extra-hepatic cholangiocarcinoma); OR
 - iv. Patient has unresectable or metastatic head and neck squamous cell carcinoma; OR
 - v. Patient has persistent or recurrent ovarian/fallopian tube/primary peritoneal carcinoma; OR
 - vi. Patient has locally advanced or metastatic pancreatic adenocarcinoma; OR
 - vii. Patient has advanced or metastatic small bowel carcinoma; OR
 - viii. Patient meets BOTH of the following (a and b):
 - a) Patient has tried at least one prior systemic therapy for an MSI-H or dMMR solid tumor; AND
 - b) Patient has unresectable or metastatic disease; AND
- B) The medication is prescribed by or in consultation with an oncologist.

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

- A) 200 mg as an intravenous infusion given not more frequently than once every 3 weeks; OR
- B) 400 mg as an intravenous infusion given not more frequently than once every 6 weeks; OR
- C) 2 mg/kg (up to a maximum of 200 mg) given as an intravenous infusion given not more frequently than once every 3 weeks.

13. Non-Small Cell Lung Cancer. Approve for the duration noted if the patient meets ALL of the following (A, B, C, and D):

- A) Patient is ≥ 18 years of age; AND
- B) Patient meets ONE of the following (i, ii, iii, iv, v, or vi):
 - i. Approve for 1 year if the patient meets ALL of the following (a, b, and c):
 - a) Patient has recurrent, advanced, or metastatic disease; AND
 - b) Keytruda is used as first-line or continuation maintenance therapy; AND
Note: This is regardless of programmed death-ligand 1 (PD-L1) status.
 - c) The tumor is negative for actionable mutations; OR
Note: 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. Approve for 1 year if the patient meets ALL of the following (a, b, and c):
 - a) Patient has advanced or metastatic disease; AND
 - b) Keytruda is used as first-line therapy; AND
Note: This is regardless of the PD-L1 status.
 - c) The tumor is positive for one of the following mutations [(1), (2), or (3)]:
 - (1) EGFR exon 20 mutation; OR
 - (2) KRAS G12C mutation; OR
 - (3) ERBB2 (HER2) mutation; OR
 - iii. Approve for 1 year if the patient meets ALL of the following (a, b, and c):
 - a) Patient has recurrent, advanced, or metastatic disease; AND
 - b) Keytruda is used as first-line or subsequent therapy; AND
Note: This is regardless of the PD-L1 status.
 - c) 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; OR

- iv. Approve for 1 year if the patient meets ALL of the following (a, b, c, and d):
 - a) Patient has recurrent, advanced, or metastatic disease; AND
 - b) Keytruda is used as subsequent therapy; AND
 - c) The tumor is positive for ONE of the following mutations [(1), (2), (3), or (4)]:
 - 1. EGFR S768I, L861Q, and/or G719X mutation; OR
 - 2. EGFR exon 19 deletion or exon 21 L858R; OR
 - 3. ALK rearrangement; OR
 - 4. ROS1 rearrangement; AND
 - d) The patient has received targeted drug therapy for the specific mutation; OR
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).
 - v. Approve for 1 year if the patient meets ALL of the following a, b, c, d, and e):
 - a) Patient has advanced, recurrent, or metastatic disease; AND
 - b) Patient has tried systemic therapy; AND
Note: Examples of systemic chemotherapy include cisplatin, carboplatin, Alimta (pemetrexed, paclitaxel albumin-bound, gemcitabine, paclitaxel.
 - c) The tumor is PD-L1 positive, with tumor proportion score (TPS) \geq 1%, as determined by an approved test; AND
 - d) Patient has not progressed on prior therapy with a programmed death-1 (PD-1)/PD-L1 inhibitor; AND
Note: This includes previous therapy with either one of Keytruda, Opdivo (nivolumab intravenous infusion), or Tecentriq (atezolizumab intravenous infusion).
 - e) If tumor is positive for an actionable mutation, the patient has received targeted drug therapy for the specific mutation; AND
Note: 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* exon 14 skipping mutation, *RET* rearrangement.
 - vi. Approve for 1 year (total) if the patient meets ALL of the following (a, b, and c):
 - a) Patient has completely resected stage II or III disease; AND
 - b) Tumor is negative for *EGFR* exon 19 deletion, exon 21 *L858R* mutation, and *ALK* rearrangements; AND
 - c) Patient has received adjuvant chemotherapy; AND
- C) The medication is prescribed by or in consultation with an oncologist.

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

- A) 200 mg as an intravenous infusion not more frequently than once every 3 weeks; OR
- B) 400 mg as an intravenous infusion administered not more frequently than once every 6 weeks; OR
- C) In brain metastases, approve one of the following regimens (i or ii):
 - i. 10 mg/kg every 2 weeks; OR
 - ii. 2 mg/kg every 3 weeks.

14. Primary Mediastinal Large B-Cell Lymphoma. Approve for 1 year if the patient meets BOTH of the following (A and B):

- A) Patient has relapsed after, or is refractory to, at least two previous regimens; AND
Note: Examples of previous regimens include autologous hematopoietic stem cell transplant (auto-HSCT), EPOCH-R (etoposide, prednisone, vincristine, cyclophosphamide, doxorubicin, rituximab), RCHOP (rituximab, cyclophosphamide, doxorubicin, vincristine, prednisone), RCEPP (rituximab, cyclophosphamide, doxorubicin, vincristine, prednisone).
 - B) The medication is prescribed by or in consultation with an oncologist.
-

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

- A) 200 mg as an intravenous infusion administered not more frequently than once every 3 weeks; OR
- B) 400 mg as an intravenous infusion administered not more frequently than once every 6 weeks; OR
- C) 2 mg/kg (up to a maximum of 200 mg) given as an intravenous infusion given not more frequently than once every 3 weeks.

15. Renal Cell Carcinoma. Approve for the duration noted below if the patient meets ALL of the following (A, B, and C):

- A) Patient is ≥ 18 years of age; AND
- B) Patient meets ONE of the following (i, ii, or iii):
 - i. Approve for 1 year if the patient meets ALL of the following (a, b, and c):
 - a) The tumor has clear cell histology; AND
 - b) Patient has relapsed or metastatic disease; AND
 - c) The medication is used in combination with Inlyta (axitinib tablets) or Lenvima (lenvatinib capsules); OR
 - ii. Approve for 1 year if the patient meets ALL of the following (a, b, and c):
 - a) The tumor has non-clear cell histology; AND
 - b) Patient has relapsed or metastatic disease; AND
 - c) The medication is used as single-agent therapy; OR
 - iii. Approve for up to 1 year (total) if patient meets ALL of the following (a, b, c, and d):
 - a) Keytruda is used as adjuvant therapy; AND
 - b) The tumor has clear cell histology; AND
 - c) Patient has advanced disease; AND
 - d) The medication is used as single-agent 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) 200 mg as an intravenous infusion administered not more frequently than once every 3 weeks; OR
- B) 400 mg as an intravenous infusion administered not more frequently than once every 6 weeks.

16. Tumor Mutational Burden-High (TMB-H) Cancer. Approve for 1 year if the patient meets ALL of the following (A, B, C, and D):

- A) Patient has unresectable or metastatic tumor mutational burden-high (≥ 10 mutations/megabase) solid tumor; AND
Note: Examples of solid tumors are adrenal cancer, ampullary adenocarcinoma, breast cancer, cervical cancer, cholangiocarcinoma (intrahepatic and extrahepatic), chondrosarcoma, chordoma, endometrial carcinoma, esophageal carcinoma, esophagogastric junction carcinoma, Ewing sarcoma, gallbladder cancer, gastric cancer, head and neck cancer, neuroendocrine cancer, osteosarcoma, ovarian/fallopian tube/primary peritoneal carcinoma, pancreatic adenocarcinoma, penile cancer, primary occult, prostate cancer, salivary gland tumors, testicular cancer, thyroid cancer, uterine sarcoma, vulvar cancer.
- B) Patient has progressed on prior therapy; AND
- C) Patient has no satisfactory alternative treatment options; 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) 200 mg as an intravenous infusion administered not more frequently than once every 3 weeks; OR

- B) 400 mg as an intravenous infusion administered not more frequently than once every 6 weeks.

17. Urothelial Carcinoma. Approve for 1 year if the patient meets ALL of the following (A, B, and C):

- A) Patient is ≥ 18 years of age; AND
- B) Patient meets ONE of the following conditions (i, ii, or iii):
- i. Patient has tried at least one platinum-based chemotherapy; OR
Note: Cisplatin and carboplatin are platinum-based chemotherapies.
 - ii. According to the prescriber, patient is not eligible for platinum-based chemotherapy (i.e., with cisplatin and carboplatin); OR
Note: This is regardless of PD-L1 status.
 - iii. Patient meets both of the following (a and b):
 - a. Patient has non-muscle invasive bladder cancer; AND
 - b. Patient has tried Bacillus Calmette-Guerin (BCG) or intravesical chemotherapy; AND
Note: Examples of agents used as intravesical chemotherapy include mitomycin and gemcitabine.
- C) The medication is prescribed by or in consultation with an oncologist.

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

- A) 200 mg as an intravenous infusion administered not more frequently than once every 3 weeks; OR
- B) 400 mg as an intravenous infusion administered not more frequently than once every 6 weeks.

Other Uses with Supportive Evidence

18. Adrenal Gland Tumor. Approve for 1 year if the patient meets ALL of the following (A, B, and C):

- A) Patient is ≥ 18 years of age; AND
- B) Patient has unresectable or metastatic adrenocortical carcinoma; AND
- C) The medication is prescribed by or in consultation with an oncologist.

Dosing. Approve 200 mg as an intravenous infusion administered not more frequently than once every 3 weeks.

19. Anal Carcinoma. Approve for 1 year if the patient meets ALL of the following (A, B, and C):

- A) Patient is ≥ 18 years of age; AND
- B) Patient has received at least one other chemotherapy regimen; AND
Note: Examples of chemotherapy regimens are 5-fluorouracil (5-FU), cisplatin, carboplatin, paclitaxel, FOLFOX (oxaliplatin, leucovorin, and 5-FU).
- C) The medication is prescribed by or in consultation with an oncologist.

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

- A) 200 mg as an intravenous infusion administered not more frequently than once every 3 weeks; OR
- B) 400 mg as an intravenous infusion administered not more frequently than once every 6 weeks; OR
- C) 2 mg/kg as an intravenous infusion administered not more frequently than once every 3 weeks.

20. Extranodal NK/T-Cell Lymphoma, Nasal Type. Approve for 1 year if the patient meets ALL of the following (A, B, and C):

- A) Patient is ≥ 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) 100 mg as an intravenous infusion administered not more frequently than once every 3 weeks; OR
- B) 2 mg/kg as an intravenous infusion administered not more frequently than once every 3 weeks.

21. Gestational Trophoblastic Neoplasia. Approve for 1 year if the patient meets ALL of the following (A, B, and C):

- A) Patient is ≥ 18 years of age; AND
- B) 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
Note: Examples of chemotherapy regimens contain etoposide, cisplatin/carboplatin, paclitaxel, bleomycin, ifosfamide, methotrexate.
 - ii. Patient has high-risk disease; 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) 200 mg as an intravenous infusion administered not more frequently than once every 3 weeks; OR
- B) 400 mg as an intravenous infusion administered not more frequently than once every 6 weeks.

22. Glioma. Approve for duration noted if the patient meets ALL of the following (A, B, C, D, and E):

- A) Patient is < 18 years of age; AND
- B) Patient has diffuse high-grade disease; AND
- C) Tumor is hypermutant; AND
- D) Patient meets ONE of the following (i or ii):
 - i. Approve for 1 year (total) if the patient meets BOTH of the following (a and b):
 - a) Medication is used for adjuvant treatment; AND
 - b) Patient does NOT have diffuse midline glioma, H3 K27-altered or pontine location; OR
 - ii. Approve for 1 year if the patient has meets BOTH of the following (a and b):
 - a) Patient has recurrent or progressive; AND
 - b) Patient does NOT have either of the following [(1) or (2)]:
 - (1) Oligodendroglioma isocitrate dehydrogenase (IDH)-mutant and 1p/19q co-deleted;
OR
 - (2) Astrocytoma, IDH-mutant; AND
- E) The medication is prescribed by or in consultation with an oncologist.

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

- A) 200 mg as an intravenous infusion administered not more frequently than once every 3 weeks; OR
- B) 400 mg as an intravenous infusion administered not more frequently than once every 6 weeks; OR
- C) 2 mg/kg as an intravenous infusion administered not more frequently than once every 3 weeks.

23. Kaposi Sarcoma. Approve for duration noted if the patient meets ALL of the following (A, B, C, and D):

- A) Patient is ≥ 18 years of age; AND
- B) Patient has endemic or classic Kaposi sarcoma; AND
- C) Patient has relapsed or refractory advanced cutaneous, oral, visceral, or nodal disease; AND
- D) The medication is prescribed by or in consultation with an oncologist.

Dosing. Approve 200 mg as an intravenous infusion administered not more frequently than once every 3 weeks.

24. Mycosis Fungoides/Sezary Syndrome. Approve for 1 year if the patient meets BOTH of the following (A and B):

- A) Patient is ≥ 18 years of age; AND
- B) The medication is prescribed by or in consultation with an oncologist.

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

25. Primary Cutaneous Anaplastic Large Cell 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 relapsed or refractory disease; AND
- C) Patient meets ONE of the following (i or ii):
 - i. Patient has disease with multifocal lesions; OR
 - ii. Patient has disease with regional node; 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) 200 mg as an intravenous infusion administered not more frequently than once every 3 weeks; OR
- B) 400 mg as an intravenous infusion administered not more frequently than once every 6 weeks; OR
- C) 2 mg/kg as an intravenous infusion administered not more frequently than once every 3 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 ≥ 18 years of age; AND
- B) Keytruda is used as 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) 200 mg as an intravenous infusion administered no more frequently than once every 3 weeks; OR
- B) 10 mg/kg as an intravenous infusion administered no more frequently than once every 2 weeks.

27. Soft Tissue Sarcoma. 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) Disease is not tumor mutational burden-high (≥ 10 mutations/megabase); AND
Note: If the tumor is mutational burden-high, see Tumor Mutational Burden-High (TMB-H) Cancer criteria.
- C) Patient has ONE of the following (i, ii, iii, or iv):
 - i. Alveolar soft part sarcoma; OR

- ii. Cutaneous angiosarcoma; OR
 - iii. Extremity, body wall, or head and neck sarcoma; OR
 - iv. Retroperitoneal or intra-abdominal sarcoma; 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) 200 mg as an intravenous infusion administered not more frequently than once every 3 weeks; OR
- B) 400 mg as an intravenous infusion administered not more frequently than once every 6 weeks.

28. Squamous Cell Skin Cancer. Approve for 1 year if the patient meets ALL of the following (A, B, and C):

- A) Patient is ≥ 18 years of age; AND
- B) Patient has locally advanced, recurrent, or metastatic disease; AND
- C) According to the prescriber, curative surgery and curative radiation therapy are not feasible; AND
- D) The medication is prescribed by or in consultation with an oncologist.

Dosing. Approve 200 mg as an intravenous infusion administered not more frequently than once every 3 weeks.

29. Thymic Carcinoma. Approve for 1 year if the patient meets BOTH of the following (A and B):

- A) Patient is ≥ 18 years of age; AND
- B) The medication is prescribed by or in consultation with an oncologist.

Dosing. Approve 200 mg as an intravenous infusion administered not more frequently than once every 3 weeks.

30. Vulvar Cancer. Approve for 1 year if the patient meets ALL of the following (A, B, C, D, E, and F):

- A) Patient is ≥ 18 years of age; AND
- B) Disease is not microsatellite instability-high (MSI-H) or mismatch repair deficient (dMMR); AND
Note: If the tumor is MSI-H or dMMR, see Microsatellite Instability-High (MSI-H) or Mismatch Repair Deficient (dMMR) Solid Tumors criteria.
- C) Disease is not tumor mutational burden-high (≥ 10 mutations/megabase); AND
Note: If the tumor is mutational burden-high, see Tumor Mutational Burden-High (TMB-H) Cancer criteria.
- D) The tumor is PD-L1-positive (combined positive score ≥ 1), as determined by an approved test; AND
- E) Patient has tried at least one other chemotherapy regimen; AND
Note: Examples of chemotherapy regimen are cisplatin, carboplatin, fluorouracil, paclitaxel.
- F) The medication is prescribed by or in consultation with an oncologist.

Dosing. Approve 200 mg as an intravenous infusion administered not more frequently than once every 3 weeks.

CONDITIONS NOT RECOMMENDED FOR APPROVAL

Coverage of Keytruda 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

Type of Revision	Summary of Changes	Review Date
Annual Revision	<p>Cervical Cancer. Removed requirement that the patient has tried chemotherapy. Added requirement patient has persistent, recurrent, or metastatic disease.</p> <p>Classical Hodgkin Lymphoma. Removed requirement that the patient has tried at least two systemic therapies and added requirement that the patient has relapsed or refractory disease.</p> <p>Esophageal and Esophagogastric Junction Cancer. Removed requirement that the patient has locally advanced, unresectable or metastatic disease from option of approval that the tumor is human epidermal growth factor receptor 2 (HER2) or HER2/neu positive and Keytruda is used in combination with trastuzumab. Removed descriptor “has unresectable disease” from requirement that according to the prescriber, the patient has unresectable disease, or is not a surgical candidate. Added requirement that according to the prescriber, the patient is not a surgical candidate, OR the patient has unresectable, recurrent, or metastatic disease.</p> <p>Non-Small Cell Lung Cancer. Added descriptor “recurrent” to requirement that the patient has recurrent, advanced, or metastatic disease. Removed option of approval that the tumor proportion score for programmed death ligand-1 (PD-L1), as determined by an approved test, is $\geq 1\%$ and the tumor is negative for targetable mutations. Removed options of approval that the patient has non-squamous cell carcinoma or squamous cell carcinoma and the tumor is negative for actionable mutations and the medication is used first-line in combination with platinum chemotherapy, OR the patient has received targeted drug therapy for an actionable mutation. Added option of approval that Keytruda is used as first-line or continuation therapy and the tumor is negative for actionable mutations. Added option of approval that Keytruda is used for first-line or subsequent therapy and the tumor is positive for one of the following: Epidermal growth factor receptor (EGFR) exon 20 mutation, KRAS G12C mutation, BRAF V600E mutation, NTRK1/2/3 gene fusion, MET exon 14 skipping mutation, or RET rearrangement. Added optional of approval that Keytruda is used as subsequent therapy and meets one of the following: tumor is EGFR S768I, L861Q, and/or G719X mutation positive and the patient has received targeted drug therapy; OR the tumor is ROS1 rearrangement positive and the patient has received targeted drug therapy; OR patient has tried systemic therapy, and the patient has not progressed on prior programmed death-1 or PD-L1 therapy, and if the tumor is positive for an actionable mutation patient has received targeted drug therapy.</p> <p>Renal Cell Carcinoma. Changed duration of approval from 1 year to “duration noted below”. Removed requirement that the patient has advanced disease. Added option of approval for 1 year if the tumor has clear cell histology, patient has relapsed or metastatic disease, and Keytruda will be used in combination with Inlyta or Lenvima. Added option of approval for 1 year if the tumor has non-clear cell histology, patient has relapsed or metastatic disease, and Keytruda is used as a single agent. Added option of approval for UP TO 1 year if Keytruda is used as adjuvant therapy, the tumor has clear cell histology, patient has advanced disease, and Keytruda is used a single agent.</p> <p>Tumor Metastatic Burden-High (TMB-H) Cancer: Added ampullary adenocarcinoma, pancreatic adenocarcinoma, penile cancer, and prostate cancer to the Note.</p> <p>Extranodal NK/T-Cell Lymphoma, Nasal Type. Revised dose from 200 mg to 100 mg once every 3 weeks. Removed 400 mg once every 6 weeks dose. Added 2 mg/kg once every 3 week dose.</p> <p>Gestational Trophoblastic Neoplasia. Removed 2 mg/kg once every 3 week dose.</p> <p>Malignant Pleural Mesothelioma. Removed condition of approval, no longer recommended by National Comprehensive Cancer Network.</p> <p>Primary Cutaneous Anaplastic Large Cell Lymphoma. Added new condition of approval.</p> <p>Small Cell Lung Cancer. Added new condition of approval.</p> <p>Soft Tissue Sarcoma. Added requirement that the disease is not tumor mutational burden-high. Removed options of approval that the patient has advanced, unresectable, metastatic disease and extremity/body wall, head/neck, retroperitoneal/intra-abdominal disease; or cutaneous angiosarcoma.</p> <p>Squamous Cell Skin Cancer. Removed “high risk, or very high risk” from option of approval that the patient has locally advanced, high risk, or very high risk disease. Added “unresectable” to option of approval that the patient has unresectable, inoperable, or not fully resectable regional disease. Added curative surgery to option of approval that</p>	04/27/2022

	<p>according to the prescriber, curative radiation therapy or curative surgery is not feasible. Added 2 mg/kg not more frequently than once every 3 weeks dosing.</p> <p>Thymic Carcinoma. Removed requirement that the patient has tried at least one other chemotherapy regimen.</p>	
Selected Revision	<p>Esophageal and Esophagogastric Junction Cancer: An option for approval was added that the patient’s tumor expresses programmed death-ligand 1 with a combined positive score ≥ 1; the patient has tried at least two previous chemotherapy regimens; and if the tumor is human epidermal growth factor receptor 2 positive, targeted therapy with trastuzumab has been tried.</p>	05/18/2022
Annual Revision	<p>Esophageal and Esophagogastric Junction Cancer: Patient’s tumor expression for programmed death-ligand 1 (PD-L1) has a combined positive score ≥ 1, patient has tried at least two previous chemotherapy regimens, and if the tumor is human epidermal growth factor receptor 2 (HER2) or HER2/neu positive, trastuzumab has been tried; has been removed as an option for approval.</p> <p>Gastric Cancer: Patient’s tumor expression for programmed death-ligand 1 (PD-L1) has a combined positive score ≥ 1, patient has tried at least two previous chemotherapy regimens, and if the tumor is human epidermal growth factor receptor 2 (HER2) or HER2/neu positive, trastuzumab has been tried; has been removed as an option for approval.</p> <p>Hepatocellular Carcinoma: Including Hepatobiliary Cancers was removed from the condition of approval. Tried at least one tyrosine kinase inhibitor was removed as a requirement. Added requirement that the patient meets ONE of the following: patient has unresectable disease and is not a transplant candidate; or patient has liver-confined disease, inoperable by performance status, comorbidity, or with minimal or uncertain extrahepatic disease; or patient has metastatic disease or extensive liver tumor burden.</p> <p>Melanoma: Combined patient is ≥ 18 years of age and patient has unresectable, advanced, or metastatic disease into new option of approval with 1 year approval duration. Added patient is ≥ 12 years of age to requirement that Keytruda be used as adjuvant therapy, to new option of approval with a 1 year (total) approval duration. Added 2 mg/kg (up to a maximum of 200 mg) as an intravenous (IV) infusion given no more frequently than once every 3 weeks as an additional dosing regimen.</p> <p>Merkel Cell Carcinoma: Patient has recurrent regional disease added as additional option for approval.</p> <p>Microsatellite Instability-High (MSI-H) or Mismatch Repair Deficient (dMMR) Solid Tumors: The descriptor poorly differentiated removed for neuroendocrine tumor in the Note.</p> <p>Non-Small Cell Lung Cancer: Approval duration was changed from Approve for 1 year to Approve for the duration noted. Approval duration set at 1 year for all options of approval except for adjuvant therapy where approval duration is set at 1 year (total). Patient has advanced, or metastatic disease; Keytruda is used as first-line therapy; and patient has epidermal growth factor receptor (<i>EGFR</i>) exon 20 mutation, <i>KRAS G12C</i> mutation, or <i>ERBB2</i> mutation; was added as new option for approval. <i>EGFR</i> exon 20 and <i>KRAS G12C</i> mutations were removed as options for approval for first-line or subsequent use of Keytruda. The tumor is PD-L1 positive, with tumor proportion score $\geq 1\%$ was added as requirement for patient has tried systemic therapy option for approval. Patient has completely resected stage II or III disease; tumor is negative for <i>EGFR</i> exon 19 deletion, exon 21 L858R mutation, and <i>ALK</i> rearrangement; and patient has received adjuvant chemotherapy added as option of approval.</p> <p>Adrenal Gland Tumor: Removed the 400 mg IV infusion dosing regimen.</p> <p>Glioma: Added new condition of approval.</p> <p>Kaposi Sarcoma: Added new condition of approval.</p> <p>Mycosis Fungoides/Sezary Syndrome: Removed the 200 mg and 400 mg IV infusion dosing regimens.</p> <p>Small Cell Lung Cancer: Removed the 400 mg IV infusion dosing regimen.</p> <p>Soft Tissue Sarcoma: Cutaneous angiosarcoma; extremity, body wall, or head and neck sarcoma; and retroperitoneal or intra-abdominal sarcoma added as additional options for approval.</p> <p>Squamous Cell Skin Cancer: Recurrent, or metastatic added as descriptors to requirement that the patient has locally advanced, recurrent, or metastatic disease. Patient has unresectable, inoperable, or not fully resectable regional disease and curative radiation therapy is not feasible was removed as an option for approval. Patient has regional recurrence or metastatic disease and curative radiation or curative surgery are</p>	04/26/2023

	not feasible was removed as an option for approval. Removed the 400 mg and the 2 mg/kg IV infusion dosing regimens. Thymic Carcinoma: Removed the 400 mg and 2 mg/kg IV infusion dosing regimens. Vulvar Cancer: Removed the 400 mg and 2 mg/kg IV infusion dosing regimens.	
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