

# Clinical Policy: Pembrolizumab (Keytruda)

Reference Number: PA.CP.PHAR.322

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# **Description**

Pembrolizumab (Keytruda®) is a programmed cell death receptor-1 (PD-1)-blocking antibody.

**FDA Approved Indication(s)** 

Indication	Adults	Pediatrics
Melanoma	X	X
Non-small cell lung cancer	X	
Malignant pleural mesothelioma (MPM)	X	
Head and neck squamous cell carcinoma (HNSCC)	X	
Classical Hodgkin lymphoma	X	X
Primary mediastinal large B-cell lymphoma	X	X
Urothelial carcinoma	X	
Microsatellite instability-high (MSI-H) or mismatch	X	X
repair deficient (dMMR) cancer		
(First-line treatment for colorectal cancer limited to adults.)		
Gastric cancer	X	
Esophageal cancer	X	
Cervical cancer	X	
Hepatocellular carcinoma	X	
Biliary tract cancer	X	
Merkel cell carcinoma	X	X
Renal cell carcinoma	X	
Endometrial carcinoma	X	
Tumor mutational burden-high (TMB-H) cancer	X	X (excludes CNS tumor)
Cutaneous squamous cell carcinoma	X	
Triple-negative breast cancer (TNBC)	X	
Off-label uses		
Mycosis fungoides	X	
Sezary syndrome	X	
Anal carcinoma	X	
Gestational trophoblastic neoplasia	X	
Extranodal NK/T-cell lymphoma, nasal type	X	
Vulvar carcinoma	X	
Adrenocortical carcinoma	X	
Alveolar soft part sarcoma	X	
Thymic carcinoma	X	
Anaplastic large cell lymphoma	X	
Small cell lung cancer	X	
Kaposi sarcoma	X	
Glioma		X

<sup>\*</sup>If a solid tumor is characterized as MSI-H, dMMR, or TMB-H, see criteria at Sections I.H or I.P respectively.



### Keytruda is indicated:

### • Melanoma

- o For the treatment of patients with unresectable or metastatic melanoma.
- For the adjuvant treatment of adult and pediatric (12 years and older) patients with Stage IIB, IIC, or III melanoma following complete resection.

# • Non-Small Cell Lung Cancer (NSCLC)

- In combination with pemetrexed and platinum chemotherapy, as first-line treatment of patients with metastatic nonsquamous NSCLC with no EGFR or ALK genomic tumor aberrations
- o In combination with carboplatin and either paclitaxel or paclitaxel protein-bound, as first-line treatment of patients with metastatic squamous NSCLC
- As a single agent for the first-line treatment of patients with NSCLC expressing PD-L1
  [Tumor Proportion Score (TPS) ≥ 1%] as determined by an FDA-approved test, with no
  EGFR or ALK genomic tumor aberrations, and is:
  - Stage III where patients are not candidates for surgical resection or definitive chemoradiation, or
  - Metastatic.
- o As a single agent for the treatment of patients with metastatic NSCLC whose tumors express PD-L1 (TPS ≥1%) as determined by an FDA-approved test, 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.
- o For the treatment of patients with resectable (tumors ≥ 4 cm or node positive) NSCLC in combination with platinum-containing chemotherapy as neoadjuvant treatment, and then continued as a single agent as adjuvant treatment after surgery.
- o As a single agent for the adjuvant treatment following resection and platinum-based chemotherapy for adult patients with Stage IB ( $T2a \ge 4$  cm), II, or IIIA NSCLC.

# • Malignant Pleural Mesothelioma (MPM)

o In combination with pemetrexed and platinum chemotherapy, as first-line treatment of adult patients with unresectable advanced or metastatic MPM.

### • Head and Neck Squamous Cell Cancer (HNSCC)

- o In combination with platinum and fluorouracil (FU) for the first-line treatment of patients with metastatic or with unresectable, recurrent HNSCC.
- As a single agent for the first line treatment of patients with metastatic or with unresectable, recurrent HNSCC whose tumors express PD-L1 [Combined Positive Score (CPS) ≥ 1] as determined by an FDA-approved test.
- As a single agent for the treatment of patients with recurrent or metastatic HNSCC with disease progression on or after platinum containing chemotherapy.

# • Classical Hodgkin Lymphoma (cHL)

- o For the treatment of adult patients with relapsed or refractory cHL.
- o For the treatment of pediatric patients with refractory cHL, or cHL that has relapsed after 2 or more lines of therapy.

# • Primary Mediastinal Large B-Cell Lymphoma (PMBCL)

o For the treatment of adult and pediatric patients with refractory PMBCL, or who have relapsed after 2 or more prior lines of therapy\*



 Limitations of Use: Keytruda is not recommended for treatment of patients with PMBCL who require urgent cytoreductive therapy

### • Urothelial Carcinoma

- o In combination with enfortumab vedotin for the treatment of adult patients with locally advanced or metastatic urothelial carcinoma.
- As a single agent for the treatment of patients with locally advanced or metastatic urothelial carcinoma:
  - who are not eligible for any platinum-containing chemotherapy, or
  - who have disease progression during or following platinum-containing chemotherapy or within 12 months of neoadjuvant or adjuvant treatment with platinum-containing chemotherapy.
- As a single agent for the treatment of patients with Bacillus Calmette-Guerin (BCG)unresponsive, high-risk, non-muscle invasive bladder cancer (NMIBC) with carcinoma in
  situ (CIS) with or without papillary tumors who are ineligible for or have elected not to
  undergo cystectomy.

# Microsatellite Instability-High Cancer (MSI-H) or Mismatch Repair Deficient (dMMR) Cancer

 For the treatment of adult and pediatric patients with unresectable or metastatic, MSI-H or dMMR solid tumors, as determined by an FDA-approved test, that have progressed following prior treatment and who have no satisfactory alternative treatment options.\*

# Microsatellite Instability-High Cancer or Mismatch Repair Deficient Colorectal Cancer (CRC)

 For the first-line treatment of patients with unresectable or metastatic MSI-H or dMMR CRC as determined by an FDA-approved test.

### • Gastric Cancer

- o In combination with trastuzumab, fluoropyrimidine- and platinum-containing chemotherapy, for the first-line treatment of patients with locally advanced unresectable or metastatic HER2-positive gastric or gastroesophageal junction (GEJ) adenocarcinoma whose tumors express PD-L1 (CPS ≥ 1) as determined by an FDA-approved test.\*
- o In combination with fluoropyrimidine- and platinum-containing chemotherapy for the first-line treatment of adults with locally advanced unresectable or metastatic HER2-negative gastric or GEJ adenocarcinoma whose tumors express PD-L1 (CPS ≥ 1) as determined by an FDA-approved test.

## • Esophageal cancer

- For the treatment of patients with locally advanced or metastatic esophageal or gastroesophageal junction (GEJ) (tumors with epicenter 1 to 5 centimeters above the GEJ) carcinoma that is not amenable to surgical resection or definitive chemoradiation either:
  - In combination with platinum- and fluoropyrimidine-based chemotherapy whose tumors express PD-L1 (CPS  $\geq$  1), or
  - As a single agent after one or more prior lines of systemic therapy for patients with tumors of squamous cell histology that express PD-L1 (CPS ≥10) as determined by an FDA approved test.

### • Cervical Cancer

o In combination with chemoradiotherapy (CRT) for the treatment of patients with locally advanced cervical cancer involving the lower third of the vagina, with or without



- extension to pelvic sidewall, or hydronephrosis/non-functioning kidney or spread to adjacent pelvic organs (FIGO 2014 Stage III-IVA).
- o In combination with chemotherapy, with or without bevacizumab, for the treatment of patients with persistent, recurrent, or metastatic cervical cancer whose tumors express PD-L1 (CPS ≥ 1) as determined by an FDA-approved test.
- As a single agent for the treatment of patients with recurrent or metastatic cervical cancer with disease progression on or after chemotherapy whose tumors express PD-L1 (CPS ≥ 1) as determined by an FDA-approved test.

## • Hepatocellular Carcinoma (HCC)

o For the treatment of patients with HCC secondary to hepatitis B who have received prior systemic therapy other than a PD-1/PD-L1-containing regimen.

## • Biliary Tract Cancer (BTC)

o In combination with gemcitabine and cisplatin for the treatment of patients with locally advanced unresectable or metastatic BTC.

# • Merkel Cell Carcinoma (MCC)

 For the treatment of adult and pediatric patients with recurrent locally advanced or metastatic MCC.\*

# • Renal Cell Carcinoma (RCC)

- o In combination with axitinib, for the first-line treatment of adult patients with advanced RCC.
- o In combination with lenvatinib, for the first-line treatment of adult patients with advanced RCC.
- For the adjuvant treatment of patients with RCC at intermediate-high or high risk of recurrence following nephrectomy, or following nephrectomy and resection of metastatic lesions.

# • Endometrial Carcinoma (EC)

- In combination with carboplatin and paclitaxel, followed by Keytruda as a single agent, for the treatment of adult patients with primary advanced or recurrent endometrial carcinoma.
- o In combination with lenvatinib, for the treatment of patients with advanced endometrial carcinoma that is mismatch repair proficient (pMMR) or not MSI-H as determined by an FDA-approved test, who have disease progression following prior systemic therapy in any setting and are not candidates for curative surgery or radiation.
- As a single agent for the treatment of patients with advanced endometrial carcinoma that is MSI-H or dMMR, as determined by an FDA-approved test, who have disease progression following prior systemic therapy in any setting and are not candidates for curative surgery or radiation.

### • Tumor Mutational Burden-High (TMB-H) Cancer

- o For the treatment of adult and pediatric patients with unresectable or metastatic TMB-H [≥10 mutations/megabase (mut/Mb)] solid tumors, as determined by an FDA-approved test, that have progressed following prior treatment and who have no satisfactory alternative treatment options.
- O Limitations of use: The safety and effectiveness of Keytruda in pediatric patients with TMB-H central nervous system cancers have not been established.



## • Cutaneous Squamous Cell Carcinoma (cSCC)

o For the treatment of patients with recurrent of metastatic cSCC that is not curable by surgery or radiation.

# • Triple-negative breast cancer (TNBC)

- o For the treatment of patients with high-risk early-stage TNBC in combination with chemotherapy as neoadjuvant treatment, and then continued as a single agent as adjuvant treatment after surgery.
- o In combination with chemotherapy, for the treatment of patients with locally recurrent unresectable or metastatic TNBC whose tumors express PD-L1 (CPS ≥ 10) as determined by an FDA approved test.

### • Adult cHL and adult PMBCL

 For use at an additional recommended dosage of 400 mg every 6 weeks for cHL and PMBCL in adults.\*\*\*

### Policy/Criteria

Provider must submit documentation (such as office chart notes, lab results or other clinical information) supporting that member has met all approval criteria.

It is the policy of PA Health & Wellness ® that Keytruda is **medically necessary** when the following criteria are met:

### I. Initial Approval Criteria

### A. Melanoma (must meet all):

- 1. Diagnosis of melanoma;
- 2. Prescribed by or in consultation with an oncologist;
- 3. Age  $\geq$  12 years;
- 4. Disease is Stage IIB, IIC, III, recurrent, unresectable, or metastatic;
- 5. Prescribed as one of the following (a, b, c or d):
  - a. A single agent;
  - b. In combination with Lenvima® or Yervoy®;
  - c. In combination with Mekinist® and Trafinlar® for disease with BRAF V600 activating mutation;
  - d. Other NCCN recommendations listed as category 1, 2A, or 2B;
- 6. Request meets one of the following (a or b):
  - a. Dose does not exceed 200 mg every 3 weeks or 400 mg every 6 weeks (for a maximum of 12 months if adjuvant treatment);
  - b. Dose is supported by practice guidelines or peer-reviewed literature for the relevant off-label use (*prescriber must submit supporting evidence*).

### **Approval duration: 6 months**

<sup>\*</sup> 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.

<sup>\*\*</sup> This indication is approved under accelerated approval based on pharmacokinetic data, the relationship of exposure to efficacy, and the relationship of exposure to safety. Continued approval for this dosing may be contingent upon verification and description of clinical benefit in the confirmatory trials.



## **B.** Non-Small Cell Lung Cancer (must meet all):

- 1. Diagnosis of non-small cell lung cancer (NSCLC);
- 2. Prescribed by or in consultation with an oncologist;
- 3. Age  $\geq$  18 years;
- 4. One of the following (a, b or c):
  - a. Disease is resectable or resected;
  - b. Disease is recurrent, advanced, or metastatic, and request meets one of the following (i, ii, iii, iv, v, or vi):
    - i. Disease mutation status is negative for actionable biomarkers (EGFR, KRAS, ALK, ROS1, BRAF, NTRK1/2/3, MET, RET and ERBB2 [HER2]);
    - ii. Disease mutation status is positive for EGFR S768I, L861Q, and/or G719X, and member has received prior afatinib, osimertinib, erlotinib, gefitinib, or dacomitinib;\*
    - iii. Disease mutation status is positive for EGFR exon 19 deletion or L858R, and member has received prior erlotinib ± (ramucirumab or bevacizumab), afatinib, gefitinib, osimertinib, dacomitinib, or amivantamab-vmjw + lazertinib;\*
    - iv. Disease mutation status is positive for ROS1 rearrangement, and member has received prior crizotinib, entrectinib, or repotrecitinib;\*
    - v.Disease mutation status is positive for ALK rearrangement, and member has received prior crizotinib, ceritinib, alectinib, brigatinib, or lorlatinib;\*
    - vi. Disease mutation status is positive for EGFR exon 20, KRAS G12C, NRTK1/2/3, BRAF V600E, MET exon 14 skipping, RET rearrangement, ERBB2 (HER2);

\*Prior authorization may be required

- c. Other NCCN recommendations listed as category 1, 2A, or 2B;
- 5. Keytruda is prescribed in one of the following ways (a, b, c, d, e or f):
  - a. For PD-L1 positive disease (TPS  $\geq$  1%);
  - b. In combination with a chemotherapy regimen (see Appendix B);
  - c. In combination with a chemotherapy regimen (see Appendix B) as neoadjuvant treatment, followed by single-agent adjuvant treatment after surgery for patients with resectable (tumors  $\geq 4$  cm or node positive) disease;
  - d. As single-agent continuation maintenance therapy if previously given first line as part of a chemotherapy regimen;
  - e. As single-agent adjuvant treatment following resection and platinum-based chemotherapy (e.g., cisplatin, carboplatin) for adult patients with stage IB (T2a ≥ 4 cm), II, or IIIA disease;
  - f. Other NCCN recommendations listed as category 1, 2A, or 2B;
- 6. Member does not have contraindications to PD-1/PD-L1 inhibitor therapy (e.g., Opdivo®, Yervoy, Tecentriq®, Imfinzi®) (*see Appendix F*);
- 7. Request meets one of the following (a or b):
  - a. Dose does not exceed 200 mg every 3 weeks or 400 mg every 6 weeks for maximum duration of one of the following (i, ii, or iii):
    - i. 24 months;
    - ii. 12 months if adjuvant treatment;



- iii. 12 weeks if neoadjuvant treatment, followed by 39 weeks of adjuvant treatment;
- b. Dose is supported by practice guidelines or peer-reviewed literature for the relevant off-label use (*prescriber must submit supporting evidence*).

## **Approval duration: 6 months**

# C. Malignant Pleural Mesothelioma (must meet all):

- 1. Diagnosis of MPM;
- 2. Prescribed by or in consultation with an oncologist;
- 3. Age  $\geq$  18 years;
- 4. One of the following (a or b):
  - a. Disease is unresectable, advanced, or metastatic;
  - b. Other NCCN recommendations listed as category 1, 2A, or 2B;
- 5. Keytruda is prescribed in combination with pemetrexed and platinum-containing chemotherapy;
- 6. Request meets one of the following (a or b):
  - a. Dose does not exceed 200 mg every 3 weeks or 400 mg every 6 weeks for a maximum of 24 months;
  - b. Dose is supported by practice guidelines or peer-reviewed literature for the relevant off-label use *(prescriber must submit supporting evidence)*.

# Approval duration: 6 months

### D. Head and Neck Squamous Cell Carcinoma (must meet all):

- 1. Diagnosis of HNSCC (locations include paranasal sinuses, larynx, pharynx, lip, oral cavity, salivary glands; may be occult primary i.e., primary source unknown);
- 2. Prescribed by or in consultation with an oncologist;
- 3. Age  $\geq$  18 years;
- 4. Disease is unresectable, recurrent, or metastatic;
- 5. Keytruda is prescribed in one of the following ways (a-e):
  - a. In combination with platinum-containing chemotherapy and either FU, docetaxel, or gemcitabine;
  - b. In combination with Erbitux<sup>®</sup> as first-line therapy or subsequent-line therapy (*off-label*);
  - c. As a first-line single agent and the tumor expresses PD-L1 with a CPS of  $\geq 1$ ;
  - d. As a single agent for disease that has progressed on or after platinum-containing chemotherapy (e.g., cisplatin, carboplatin);
  - e. Other NCCN recommendations listed as category 1, 2A, or 2B;
- 6. For nasopharyngeal carcinoma, one of the following (a or b):
  - a. Failure of Loqtorzi® at up to maximally indicated doses, unless contraindicated or clinically significant adverse effects are experienced;
  - b. Request is for Stage IV or metastatic cancer;
- 7. Request meets one of the following (a or b):
  - a. Dose does not exceed 200 mg every 3 weeks or 400 mg every 6 weeks for a maximum of 24 months;
  - b. Requested dose is supported by practice guidelines or peer-reviewed literature for the relevant off-label use (*prescriber must submit supporting evidence*).



# Approval duration: 6 months

# E. Classical Hodgkin Lymphoma (must meet all):

- 1. Diagnosis of classical Hodgkin lymphoma (cHL);
- 2. Prescribed by or in consultation with an oncologist or hematologist;
- 3. Age  $\geq$  6 months;
- 4. Keytruda is prescribed as single-agent therapy (*adults or pediatrics*) or in combination with GVD (gemcitabine, vinorelbine, liposomal doxorubicin), ICE ( ifosfamide, carboplatin, etoposide), decitabine and vorinostat (*adults only*) in one of the following ways (a-e):
  - a. For palliative therapy;
  - b. Post-allogeneic hematopoietic cell transplant or post-autologous stem cell rescue;
  - c. Member is not a candidate for anthracycline;
  - d. For disease that is relapsed or refractory to  $\geq 1$  line of systemic therapy (*see Appendix B*);
  - e. Other NCCN recommendations listed as category 1, 2A, or 2B;
- 5. Request meets one of the following (a, b, or c):
  - a. Adults: Dose does not exceed 200 mg every 3 weeks or 400 mg every 6 weeks for a maximum of 24 months;
  - b. Pediatrics: Dose does not exceed 2 mg/kg (up to 200 mg) every 3 weeks for a maximum of 24 months;
  - c. Dose is supported by practice guidelines or peer-reviewed literature for the relevant off-label use *(prescriber must submit supporting evidence)*.

## Approval duration: 6 months

### F. Primary Mediastinal Large B-Cell Lymphoma (must meet all):

- 1. Diagnosis of PMBCL;
- 2. Prescribed by or in consultation with an oncologist or hematologist;
- 3. Age  $\geq$  6 months;
- 4. Disease is refractory to or has relapsed after  $\geq 1$  line of systemic therapy (see Appendix B)
- 5. Prescribed in one of the following ways (a, b or c):
  - a. As a single agent;
  - b. For age  $\geq 6$  months to < 18 years only, in combination with Adcetris<sup>®</sup>;
  - c. Other NCCN recommendations listed as category 1, 2A, or 2B;
- 6. Request meets one of the following (a, b, or c):
  - a. Adults: Dose does not exceed 200 mg every 3 weeks or 400 mg every 6 weeks for a maximum of 24 months;
  - b. Pediatrics: Dose does not exceed 2 mg/kg (up to 200 mg) every 3 weeks for a maximum of 24 months;
  - c. Dose is supported by practice guidelines or peer-reviewed literature for the relevant off-label use *(prescriber must submit supporting evidence)*.

### **Approval duration: 6 months**

### **G.** Urothelial Carcinoma (must meet all):

1. Diagnosis of urothelial carcinoma;



- 2. Prescribed by or in consultation with an oncologist or urologist;
- 3. Age  $\geq$  18 years;
- 4. Keytruda is prescribed in one of the following (a-e):
  - a. In combination with Padcev®, Inlyta®, or Lenvima® for locally advanced, relapsed or metastatic disease;
    - \*Prior authorization may be required for Padcev, Inlyta and Lenvima.
  - b. As a single agent for locally advanced or metastatic disease, member is ineligible for or has previously received platinum-containing chemotherapy (e.g., cisplatin, carboplatin) or previously received other chemotherapy;
  - c. As a single agent for the treatment of BCG-unresponsive, high-risk, NMIBC with CIS, member is ineligible for or has elected not to undergo cystectomy (*see Appendix D for BCG shortage information*);
  - d. As a single agent for adjuvant therapy;
  - e. Other NCCN recommendations listed as category 1, 2A, or 2B;
- 5. Request meets one of the following (a or b):
  - a. Dose does not exceed 200 mg every 3 weeks or 400 mg every 6 weeks for a maximum of 24 months;
  - b. Dose is supported by practice guidelines or peer-reviewed literature for the relevant off-label use (*prescriber must submit supporting evidence*).

## Approval duration: 6 months

### H. Microsatellite Instability-High/Mismatch Repair Deficient Cancer (must meet all):

- 1. Diagnosis of a solid tumor classified as MSI-H or dMMR (indicative of MMR gene mutation or loss of expression) (see Appendix E for examples of solid tumors);
- 2. Prescribed by or in consultation with an oncologist;
- 3. Member meets one of the following (a, b or c):
  - a. Age  $\geq 6$  months to < 18 years and request is not for first-line therapy;
  - b. Age > 18 years;
  - c. Other NCCN recommendations listed as category 1, 2A, or 2B;
- 4. Keytruda is prescribed in one of the following ways (a, b or c):
  - a. As first-line or subsequent therapy for ampullary adenocarcinoma, CRC, gallbladder cancer, gastric cancer, GEJ cancer, intrahepatic/extrahepatic cholangiocarcinoma, non-nasopharyngeal head and neck cancer, occult primary tumor, pancreatic adenocarcinoma, or small bowel adenocarcinoma;
  - b. As subsequent therapy for other solid tumors;
  - c. Other NCCN recommendations listed as category 1, 2A, or 2B:
- 5. Prescribed in one of the following ways (a, b or c):
  - a. As a single agent;
  - b. For gastric or GEJ cancers: as a single agent or in combination with platinum- and fluoropyrimidine-based chemotherapy;
  - c. Other NCCN recommendations listed as category 1, 2A, or 2B;
- 6. Request meets one of the following (a, b or c):
  - a. Adults: Dose does not exceed 200 mg every 3 weeks or 400 mg every 6 weeks for a maximum of 24 months;
  - b. Pediatrics: Dose does not exceed 2 mg/kg (up to 200 mg) every 3 weeks for a maximum of 24 months;



c. Dose is supported by practice guidelines or peer-reviewed literature for the relevant off-label use (*prescriber must submit supporting evidence*)

# Approval duration: 6 months

# I. Gastric Cancer or Esophageal Cancer or Gastroesophageal Junction Cancer (must meet all):

- 1. Diagnosis of gastric or esophageal cancer or gastroesophageal junction cancer;
- 2. Prescribed by or in consultation with an oncologist;
- 3. Age  $\geq$  18 years;
- 4. One of the following (a-c):
  - a. Disease is unresectable, locally advanced, recurrent, or metastatic or member is not a surgical candidate;
  - b. Member is planned for esophagectomy;
  - c. Other NCCN recommendations listed as category 1, 2A, or 2B;
- 5. Member meet one of the following:
  - a. Keytruda is prescribed in combination with trastuzumab, fluoropyrimidine- and platinum-containing or platinum- and fluoropyrimidine-based chemotherapy and both (i and ii);
    - i. HER2-positive gastric or GEJ adenocarcinoma;
    - ii. Tumor expresses PD-L1 (CPS  $\geq$  1);
  - b. Both of the following:
    - i. Keytruda is prescribed in combination with platinum- and fluoropyrimidine-based chemotherapy, and either (1 or 2):
      - 1. One of the following (a or b):
        - a. HER2-negative gastric or GEJ adenocarcinoma;
        - b. Esophageal carcinoma or GEJ squamous cell carcinoma;
      - 2. Tumor expresses PD-L1 (CPS  $\geq$  1);
    - ii. One of the following (1 or 2):
      - 1. Failure of Tevimbra® at up to maximally indicated doses, unless contraindicated or clinically significant adverse effects are experienced;
      - 2. Request is for treatment associated with cancer for a state with regulations against step therapy in certain oncology settings (*see Appendix G*);
  - c. Keytruda is prescribed as a single agent after one or more prior lines of systemic therapy for members with tumors of squamous cell GEJ that express PD-L1 (CPS ≥ 10) (see Appendix B);
  - d. Other NCCN recommendations listed as category 1, 2A, or 2B;
- 6. Request meets any of the following (a or b):
  - a. Dose does not exceed 200 mg every 3 weeks or 400 mg every 6 weeks for a maximum of 24 months;
  - b. Dose is supported by practice guidelines or peer-reviewed literature for the relevant off-label use *(prescriber must submit supporting evidence)*.

# Approval duration: 6 months



## J. Cervical Cancer (must meet all):

- 1. Diagnosis of cervical cancer;
- 2. Prescribed by or in consultation with an oncologist;
- 3. Age  $\geq$  18 years;
- 4. Prescribed in one of the following ways (a-e):
  - a. As a single agent, and all the following (i, ii and iii):
    - i. Tumor expresses PD-L1 (CPS  $\geq$  1);
    - ii. Disease is recurrent or metastatic;
    - iii. Disease has progressed on or after  $\geq 1$  line of systemic therapy (see Appendix B):
  - b. In combination with chemotherapy (e.g., paclitaxel/cisplatin, paclitaxel/carboplatin) with or without bevacizumab, and (i and ii)
    - i. Tumor expresses PD-L1 (CPS  $\geq$  1);
    - ii. Disease is persistent, recurrent, or metastatic;
  - c. In combination with Tivdak<sup>®</sup>, and all of the following (i, ii, and iii):
    - i. Tumor expresses PD-L1 (CPS  $\geq$  1) and has not received prior immune-oncology therapy;
    - ii. Disease is recurrent or metastatic;
    - iii. Disease has progressed on or after  $\geq 1$  line of systemic therapy (see Appendix B);
  - d. In combination with CRT, and (i):
    - i. Disease is FIGO 2014 Stage III-IVA or FIGO 2018 stage III-IVA (*see Appendix F*);
  - e. Other NCCN recommendations listed as category 1, 2A, or 2B;
- 5. Request meets one of the following (a or b):
  - a. Dose does not exceed 200 mg every 3 weeks or 400 mg every 6 weeks for a maximum of 24 months;
  - b. Dose is supported by practice guidelines or peer-reviewed literature for the relevant off-label use (*prescriber must submit supporting evidence*).

### **Approval duration: 6 months**

### **K.** Hepatocellular Carcinoma (must meet all):

- 1. Diagnosis of HCC;
- 2. Prescribed by or in consultation with an oncologist;
- 3. Age  $\geq$  18 years;
- 4. Prescribed in one of the following ways (a, b or c):
  - a. As frirst-line treatment;
  - b. As subsequent-line systemic therapy, and i:
    - i. Member has not previously been treated with immune checkpoint inhibitor therapy (PD-L1/PD-1, e.g., Tecentriq, Opdivo);
    - \*Prior authorization may be required for above agents
  - c. Other NCCN recommendations listed as category 1, 2A, or 2B;
- 5. Member has not previously been treated with immune checkpoint inhibitor therapy (PD-L1/PD-1, e.g., Tecentriq (atezolizumab), Opdivo (nivolumab));
- 6. Prescribed as a single agent;
- 7. Request meets one of the following (a or b):



- a. Dose does not exceed 200 mg every 3 weeks or 400 mg every 6 weeks for a maximum of 24 months;
- b. Dose is supported by practice guidelines or peer-reviewed literature for the relevant off-label use *(prescriber must submit supporting evidence)*.

## **Approval duration: 6 months**

## L. Biliary Tract Cancer (must meet all):

- 1. Diagnosis of BTC;
- 2. Prescribed by or in consultation with an oncologist;
- 3. Age  $\geq$  18 years;
- 4. One of the following (a-c):
  - a. Disease is locally advanced unresectable, resected gross residual (R2) disease or metastatic;
  - b. Disease is resectable locoregionally advanced and prescribed as neoadjuvant therapy for gallbladder cancer;
  - c. Other NCCN recommendations listed as category 1, 2A, or 2B;
- 5. Prescribed in one of the following ways (a or b):
  - a. In combination with gemcitabine and cisplatin;
  - b. Other NCCN recommendations listed as category 1, 2A, or 2B;
- 6. Request meets one of the following (a or b):
  - a. Dose does not exceed 200 mg every 3 weeks or 400 mg every 6 weeks for a maximum of 24 months;
  - b. Dose is supported by practice guidelines or peer-reviewed literature for the relevant off-label use *(prescriber must submit supporting evidence)*.

# **Approval duration: 6 months**

### M. Merkel Cell Carcinoma (must meet all):

- 1. Diagnosis of Merkel cell carcinoma;
- 2. Prescribed by or in consultation with an oncologist;
- 3. Age  $\geq$  6 months;
- 4. Disease is recurrent, locally advanced, or metastatic;
- 5. Prescribed as a single agent;
- 6. Request meets one of the following (a, b, or c):
  - a. Adults: Dose does not exceed 200 mg every 3 weeks or 400 mg every 6 weeks for a maximum of 24 months;
  - b. Pediatrics: Dose does not exceed 2 mg/kg (up to 200 mg) every 3 weeks for a maximum of 24 months;
  - c. Dose is supported by practice guidelines or peer-reviewed literature for the relevant off-label use (*prescriber must submit supporting evidence*).

### **Approval duration: 6 months**

### N. Renal Cell Carcinoma (must meet all):

- 1. Diagnosis of advanced RCC;
- 2. Prescribed by or in consultation with an oncologist;
- 3. Age  $\geq$  18 years;
- 4. Keytruda is prescribed in one of the following ways (a, b, c or d):



- a. In combination with Inlyta® or Lenvima\*, and disease is advanced (i.e., relapsed or stage IV);
  - \*Prior authorization may be required for Inlyta and Lenvima.
- b. As single-agent adjuvant treatment, and member is at intermediate-high or high risk of recurrence following nephrectomy, or following nephrectomy and resection of metastatic lesions;
- c. As a single agent for relapsed or stage IV disease with non-clear cell histology (off-label);
- d. Other NCCN recommendations listed as category 1, 2A, or 2B;
- 5. Request meets one of the following (a or b):
  - a. Dose does not exceed 200 mg every 3 weeks or 400 mg every 6 weeks for a maximum of 24 months;
  - b. Dose is supported by practice guidelines or peer-reviewed literature for the relevant off-label use (*prescriber must submit supporting evidence*).

## Approval duration: 6 months

### O. Endometrial Carcinoma (must meet all):

- 1. Diagnosis of EC;
- 2. Prescribed by or in consultation with an oncologist;
- 3. Age  $\geq$  18 years;
- 4. Prescribed in one of the following (a, b or c)
  - a. In combination with Lenvima\* and both of the following (i and ii):

\*Prior authorization may be required for Lenvima

- i. Disease is pMMR or not MSI-H; \*See criteria set I.G. for MSI-H/dMMR endometrial carcinoma
- ii. Progressed following prior systemic therapy (e.g., carboplatin/paclitaxel);
- b. In combination with carboplatin and paclitaxel and continued as a single agent for maintenance therapy for recurrent or Stage III-IV tumor;
- c. Other NCCN recommendations listed as category 1, 2A, or 2B;
- 5. Request meets one of the following (a or b):
  - a. Dose does not exceed 200 mg every 3 weeks or 400 mg every 6 weeks for a maximum of 24 months;
  - b. Dose is supported by practice guidelines or peer-reviewed literature for the relevant off-label use (*prescriber must submit supporting evidence*).

### **Approval duration: 6 months**

### P. Tumor Mutational Burden-High Cancer (must meet all):

- 1. Diagnosis of a solid tumor classified as TMB-H (i.e., ≥ 10 mutations/megabase [mut/Mb]) (see Appendix E for examples of TMB-H solid tumors);
- 2. Prescribed by or in consultation with an oncologist;
- 3. Age  $\geq$  6 months;
- 4. Disease is unresectable, locally advanced or metastatic;
- 5. One of the following (a, b or c):
  - a. Disease has progressed following prior treatment;
  - b. Prescribed as a first-line therapy for ampullary adenocarcinoma or pancreatic adenocarcinoma;
  - c. Other NCCN recommendations listed as category 1, 2A, or 2B;



- 6. Prescribed as a single agent;
- 7. Request meets one of the following (a, b, or c):
  - a. Adults: Dose does not exceed 200 mg every 3 weeks or 400 mg every 6 weeks for a maximum of 24 months;
  - b. Pediatrics: Dose does not exceed 2 mg/kg up to 200 mg every 3 weeks for a maximum of 24 months;
  - c. Dose is supported by practice guidelines or peer-reviewed literature for the relevant off-label use (*prescriber must submit supporting evidence*).

# **Approval duration: 6 months**

## Q. Cutaneous Squamous Cell Carcinoma (must meet all):

- 1. Diagnosis of cSCC;
- 2. Prescribed by or in consultation with an oncologist;
- 3. Age  $\geq$  18 years;
- 4. One of the following (a or b):
  - a. Member is not a candidate for curative surgery or radiation;
  - b. Other NCCN recommendations listed as category 1, 2A, or 2B;
- 5. Prescribed as a single agent;
- 6. Request meets one of the following (a or b):
  - a. Dose does not exceed 200 mg every 3 weeks or 400 mg every 6 weeks for a maximum of 24 months;
  - b. Dose is supported by practice guidelines or peer-reviewed literature for the relevant off-label use (*prescriber must submit supporting evidence*).

# **Approval duration: 6 months**

### R. Triple Negative Breast Cancer (must meet all):

- 1. Diagnosis of locally recurrent unresectable or metastatic TNBC (i.e., estrogen receptor/progesterone receptor (ER/PR) negative, human epidermal growth factor receptor 2 (HER2)-negative));
- 2. Prescribed by or in consultation with an oncologist;
- 3. Age  $\geq$  18 years;
- 4. One of the following (a-d):
  - a. Disease is high-risk early-stage (see Appendix F), and:
    - i. Prescribed in combination with chemotherapy (e.g., carboplatin, paclitaxel, doxorubicin, cyclophosphamide) as neoadjuvant treatment, and then continued as a single agent as adjuvant treatment after surgery;
  - b. Disease is locally recurrent unresectable or metastatic, and both of the following (i and ii):
    - i. Tumor expresses PD-L1 (CPS > 10):
    - ii. Prescribed in combination with chemotherapy (e.g., paclitaxel, paclitaxel protein-bound, gemcitabine and carboplatin);
  - c. Prescribed as preoperative systemic therapy in combination with carboplatin and docetaxel:
  - d. Other NCCN recommendations listed as category 1, 2A, or 2B;
- 5. Request meets one of the following (a or b):



- a. Dose does not exceed 200 mg every 3 weeks or 400 mg every 6 weeks for a maximum of (i or ii):
  - i. High-risk, early-stage TNBC: 24 weeks as neoadjuvant therapy and 27 weeks as adjuvant therapy;
  - ii. Locally recurrent unresectable or metastatic TNBC: 24 months;
- b. Dose is supported by practice guidelines or peer-reviewed literature for the relevant off-label use (*prescriber must submit supporting evidence*).

# **Approval duration: 6 months**

### **S. Pediatric Glioma (off-label)** (must meet all):

- 1. Diagnosis of hypermutant tumor diffuse high-grade glioma;
- 2. Prescribed by or in consultation with an oncologist;
- 3. Age  $\geq$  6 months and  $\leq$  18 years;
- 4. Dose is within FDA maximum limit for any FDA-approved indication or is supported by practice guidelines or peer-reviewed literature for the relevant off-label use (prescriber must submit supporting evidence).

# Approval duration: 6 months

## T. NCCN Recommended Uses (off-label) (must meet all):

- 1. Diagnosis of one of the following (a, b, c or d):
  - a. Keytruda is prescribed as first-line or subsequent therapy:
    - i. Central nervous system (CNS) cancer (e.g., brain metastases);
    - ii. Stage IA III mycosis fungoides;
    - iii. Stage IV Sezary syndrome;
    - iv. Unresectable or metastatic adrenocortical carcinoma;
    - v. Alveolar soft part sarcoma;
    - vi. Angiosarcoma;
    - vii. Thymic carcinoma, and prescribed as a single agent;
    - viii. Thyroid carcinoma;
    - ix. Metastatic anaplastic carcinoma;
    - x. Vaginal cancer;
    - xi. Peritoneal mesothelioma, and prescribed in combination with platinum-containing chemotherapy and pemetrexed;
    - xii. Recurrent or metastatic penile cancer, and prescribed in combination with fluorouracil and platinum-containing chemotherapy;
  - b. Keytruda is prescribed as single-agent subsequent therapy:
    - i. Metastatic anal carcinoma, and member has not previously received Keytruda or Opdivo;
    - ii. Gestational trophoblastic neoplasia;
    - iii. Extranodal NK/T-cell lymphoma, nasal type;
    - iv. Advanced, recurrent, or metastatic PD-L1-positive (CPS  $\geq$  1) vulvar carcinoma:
    - v. Relapsed or refractory cutaneous anaplastic large cell lymphoma;
    - vi. Relapsed or primary progressive small cell lung cancer;
    - vii. Kaposi Sarcoma;



- viii. Soft tissue sarcoma subtypes: Myxofibrosarcoma, undifferentiated pleomorphic sarcoma (UPS), dedifferentiated liposarcoma, cutaneous angiosarcoma, and undifferentiated sarcomas;
- c. Keytruda is prescribed in combination with cyclophosphamide and bevacizumab for platinum-resistant persistent ovarian cancer, fallopian tube cancer, primary peritoneal cancer;
- d. Other category 1, 2A, or 2B NCCN-recommended uses not listed;
- 2. Prescribed by or in consultation with an oncologist;
- 3. Dose is within FDA maximum limit for any FDA-approved indication or is supported by practice guidelines or peer-reviewed literature for the relevant off-label use (prescriber must submit supporting evidence).

**Approval duration: 6 months** 

U. Other diagnoses/indications: Refer to PA.CP.PMN.53

## **II. Continued Approval**

### A. All Indications in Section I (must meet all):

- 1. Currently receiving medication via PA Health & Wellness benefit or member has previously met all initial approval criteria or the Continuity of Care policy (PA.PHARM.01) applies;
- 2. Member is responding positively to therapy;
- 3. Member has NOT received the maximum duration of therapy as described below (a, b, c, or d):
  - a. Adjuvant melanoma treatment or RCC monotherapy: up to 12 months;
  - b. For high-risk, early stage TNBC: up to 24 weeks if neoadjuvant treatment, followed by 27 weeks as adjuvant treatment
  - c. NSCLC, one of the following (a, b, or c):
    - i. 24 months;
    - ii. 12 months if adjuvant treatment;
    - iii. 12 weeks if neoadjuvant, followed by 39 weeks of adjuvant treatment;
  - d. All other FDA-approved indications: up to 24 months
- 4. If request is for a dose increase, request meets one of the following (a, b, or c):
  - a. Adults (i,or ii)
    - i. New dose does not exceed 200 mg every 3 weeks;
    - ii. New dose does not exceed 400 mg every 6 weeks;
  - b. Pediatrics: New dose does not exceed 2 mg/kg up to 200 mg every 3 weeks;
  - c. New dose is supported by practice guidelines or peer-reviewed literature for the relevant off-label use (*prescriber must submit supporting evidence*).

**Approval duration: 12 months** 

### **B.** Other diagnoses/indications (must meet 1 or 2):

- 1. Currently receiving medication via PA Health & Wellness benefit and documentation supports positive response to therapy or the Continuity of Care policy (PA.PHARM.01) applies; or
- 2. Refer to PA.CP.PMN.53



## III. Diagnoses/Indications for which coverage is NOT authorized:

- **A.** Non-FDA approved indications, which are not addressed in this policy, use policy PA.CP.PMN.53;
- **B.** Pediatric patients with MSI-H or TMB-H central nervous cancers

### IV. Appendices/General Information

Appendix A: Abbreviation/Acronym Key

ALK: anaplastic lymphoma kinase

BCG: Bacillus Calmette-Guerin

BTC: biliary tract cancer

cHL: classical Hodgkin lymphoma

CIS: carcinoma in situ

CNS: central nervous system CPS: combined positive score

CRC: colorectal cancer

CRT: chemoradiotherapy

cSCC: cutaneous squamous cell carcinoma

dMMR: mismatch repair deficient

EGFR: epidermal growth factor receptor

EC: endometrial carcinoma

FDA: Food and Drug Administration

GEJ: gastroesophageal junction HCC: hepatocellular carcinoma

HER2: human epidermal growth factor

receptor 2

HNSCC: head and neck squamous cell

carcinoma

MCC: Merkel cell carcinoma

MPM: malignant pleural mesothelioma MSI-H: microsatellite instability-high

mut/Mb: mutations/megabase

NCCN: National Comprehensive Cancer

Network

NMIBC: non-muscle invasive bladder

cancer

NSCLC: non-small cell lung cancer PD-1: programmed death protein 1 PD-L1: programmed death-ligand 1

PMBCL: primary mediastinal large B-cell

lymphoma

pMMR: mismatch repair proficient

RCC: renal cell carcinoma ROS1: ROS proto-oncogene 1

TMB-H: tumor mutational burden-high

TPS: tumor proportion score

Appendix B: Therapeutic Alternatives

This table provides a listing of preferred alternative therapy recommended in the approval criteria. The drugs listed here may not be a formulary agent and may require prior authorization.

Drug Name	Dosing Regimen	Dose Limit/ Maximum Dose
Section I.B: Non-Small Cell Lung Cancer	Varies	Varies
Examples of drugs used in combination with Keytruda:		
<ul> <li>Carboplatin, cisplatin, pemetrexed, paclitaxel</li> </ul>		
Examples of targeted therapies:		
<ul> <li>EGFR S768I, L861Q, and/or G719X targeted</li> </ul>		
therapies: afatinib, osimertinib, erlotinib, gefitinib,		
dacomitinib		
• EGFR exon 19 deletion or L858R targeted therapies:		
erlotinib $\pm$ (ramucirumab or bevacizumab), afatinib,		
gefitinib, osimertinib, dacomitinib, or amivantamab-		
vmjw + lazertinib		



Drug Name	Dosing	Dose Limit/
	Regimen	Maximum
		Dose
ROS1 targeted therapies: crizotinib, entrectinib,		
repotrecitnib		
ALK rearrangement targeted therapies: crizotinib, ceritinib, alectinib, brigatinib, lorlatinib		
Section I.D: Head and Neck Squamous Cell Carcinoma	First-line	First-line
Nasopharyngeal carcinoma (NPC)  • Loqtorzi (toripalimab-tpzi)	<u>treatment</u> <u>for NPC:</u>	treatment for NPC:
Loqtorzi (toripaninab-tpzi)	240 mg IV	$\frac{101 \text{ N} \cdot \text{C.}}{240 \text{ mg/3}}$
	every three	weeks
	weeks up to	
	24 months	<u>Previously</u>
	in	treated,
	combination	<u>unresectable</u>
	with	or
	cisplatin and	metastatic NPC
	gemcitabine	$\frac{\text{NTC}}{3 \text{ mg/kg}}$
	gemenaome	every two
	<u>Previously</u>	weeks
	treated,	
	<u>unresectable</u>	
	<u>or</u>	
	metastatic NPC	
	$\frac{NFC}{3 \text{ mg/kg IV}}$	
	every two	
	weeks	
Section I.E: Classical Hodgkin Lymphoma	Varies	Varies
Adults: Examples of chemotherapy regimens:		
ABVD (doxorubicin, bleomycin, vinblastine, dacarbazine)		
• Stanford V (doxorubicin, vinblastine, mechlorethamine,		
etoposide, vincristine, bleomycin, prednisone)		
BEACOPP (bleomycin, etoposide, doxorubicin,     avalenhosphomida, vineristina, probarbazina, produjegno)		
<ul> <li>cyclophosphamide, vincristine, probarbazine, prednisone)</li> <li>Brentuximab vedotin + AVD (doxorubicin, vinblastine,</li> </ul>		
dacarbazine)		
Pediatrics: Examples of chemotherapy regimens		
AVPC (doxorubicin, vincristine, prednisone,		
cyclophosphamide)		
ABVE-PC (doxorubicin, bleomycin, vincristine,		
etoposide, prednisone, cyclophosphamide)		
Brentuximab vedotin + bendamustine		



Drug Name	Dosing	Dose Limit/
	Regimen	Maximum
		Dose
• ICE (ifosfamide, carboplatin, etoposide)		
Section I.F: Primary Mediastinal Large B-Cell	Varies	Varies
<b>Lymphoma</b> Examples of drugs used in single- or multi-drug		
chemotherapy regimens:		
Bendamustine, brentuximab vedotin, carboplatin,		
cisplatin, cyclophosphamide, cytarabine, dexamethasone,		
doxorubicin, etoposide, gemcitabine, ibrutinib, ifosfamide,		
lenalidomide, mesna, mitoxantrone, methylprednisolone,		
oxaliplatin, prednisone, procarbazine, rituximab,		
vincristine, vinorelbine*		
*Various combinations of the listed drugs are components of the following		
chemotherapy regimens: CEOP, CEPP, DHAP, DHAX, EPOCH-R,		
ESHAP, GDP, GemOx, ICE, MINE, RCDOP, RCEOP, RCEPP, RCHOP,		
RGCVP		
Section I.G: Urothelial Carcinoma	Varies	Varies
TICE® BCG (attenuated, live culture preparation of the		
Bacillus of Calmette and Guerin strain of Mycobacterium		
bovis for intravesical use).		
References for BCG dosing, dosing in the setting of a BCG shortage, and		
BCG shortage status are listed below and at Appendix D:		
1. TICE BCG package insert: <a href="https://www.fda.gov/vaccines-blood-biologics/vaccines/tice-bcg">https://www.fda.gov/vaccines-blood-biologics/vaccines/tice-bcg</a>		
2. American Urological Association: Important message about the BCG		
shortage: https://www.auanet.org/about-us/bcg-shortage-info		
3. Centers for Disease Control's current shortages page:		
https://www.fda.gov/vaccines-blood-biologics/safety-availability-		
biologics/cber-regulated-products-current-shortages  Section I.I. Castrie F.C.L. and Franka goal Canada	Varies	Varies
Section I.I: Gastric, EGJ, and Esophageal Cancer	varies	varies
Examples of drugs used in single- or multi-drug		
chemotherapy regimens:*		
• Cisplatin, carboplatin, oxaliplatin, paclitaxel, docetaxel,		
fluorouracil, capecitabine, irinotecan, leucovorin,		
epirubicin, ramucirumab (for EGJ adenocarcinoma or		
esophageal adenocarcinoma only)		
*Trastuzumab may be added to some chemotherapy regimens for HER2		
overexpression.		
Section I.J: Cervical Cancer	Varies	Varies
Examples of drugs used in single- or multi-drug		
chemotherapy regimens:		
• Cisplatin, carboplatin, paclitaxel, docetaxel, bevacizumab,		
topotecan, fluorouracil, gemcitabine, ifosfamide,		
irinotecan, topotecan, mitomycin, pemetrexed, vinorelbine		



Drug Name	Dosing Regimen	Dose Limit/ Maximum Dose
Examples of CRT regimens:		
<ul> <li>Cisplatin plus external beam radiation therapy (EBRT), followed by brachytherapy (BT)</li> </ul>		
Section I.K: Hepatocellular Carcinoma	400 mg PO	800 mg/day
Nexavar (sorafenib)	BID 12 mg PO	12 / 1
Section I.K: Hepatocellular Carcinoma Lenvima (lenvatinib)	12 mg PO QD (patients ≥ 60 kg) or 8 mg PO QD (patients < 60 kg)	12 mg/day
Section I.K: Hepatocellular Carcinoma Stivarga (regorafenib)	160 mg PO QD for the first 21 days of each 28- day cycle	160 mg/day on days 1 to 21, every 28 days
Section I.K: Hepatocellular Carcinoma	60 mg PO	60 mg/day
Cabometyx (cabozantinib)	QD	
<ul> <li>Section I.K: Endometrial Carcinoma         Examples of chemotherapy regimens:*         <ul> <li>Carboplatin/paclitaxel, cisplatin/docetaxel, cisplatin/doxorubicin, carboplatin/paclitaxel/bevacizumab, carboplatin/paclitaxel/trastuzumab, ifosfamide/paclitaxel, cisplatin/ifosfamide, everolimus/letrozole, temsirolimus, Keytruda (pembrolizumab)         </li> </ul> </li></ul>	Varies	Varies
*Individual drugs used in combination regimens may also be used as monotherapy (refer to NCCN Uterine Neoplasms Guidelines)		
<ul> <li>Section I.O: Endometrial Carcinoma         Examples of chemotherapy regimens:*         <ul> <li>Carboplatin/paclitaxel, cisplatin/docetaxel, cisplatin/doxorubicin, carboplatin/paclitaxel/bevacizumab, carboplatin/paclitaxel/trastuzumab, ifosfamide/paclitaxel, cisplatin/ifosfamide, everolimus/letrozole, temsirolimus, Keytruda (pembrolizumab)         </li> </ul> </li> <li>*Individual drugs used in combination regimens may also be used as</li> </ul>	Varies	Varies
monotherapy (refer to NCCN Uterine Neoplasms Guidelines)		

Therapeutic alternatives are listed as Brand name® (generic) when the drug is available by brand name only and generic (Brand name®) when the drug is available by both brand and generic.



Appendix C: Contraindications/Boxed Warnings None reported

Appendix D: Keytruda Therapy for Urinary Bladder CIS in the Event of a BCG Shortage

- National Comprehensive Cancer Network (NCCN) information and recommendations:
  - Standard urinary bladder CIS therapy includes lesion resection followed by intravesical BCG.
  - o The NCCN advises that in the event of a BCG shortage, BCG should be prioritized for induction of high-risk patients (e.g., high-grade T1 and CIS) and that, if feasible, the dose of BCG may be split (1/3 or 1/2 dose) so that multiple patients may be treated with a single vial in the event of a shortage.
  - o If BCG is unavailable, the NCCN recommends the following alternatives:
    - Intravesical chemotherapy agents as first-line and subsequent therapy (e.g., gemcitabine, mitomycin, epirubicin, valrubicin, docetaxel, sequential gemcitabine/docetaxel, gemcitabine/mitomycin);
    - Initial radical cystectomy if patient is a surgical candidate.
  - The NCCN recommendations do not include off-label use of Keytruda as first-line or subsequent therapy in the absence of BCG failure.
- In its BCG June 2020 supply update sent to providers, Merck confirms a path forward to expand BCG manufacturing but cautions that the expansion could take years to fully realize. Merck directs providers to their wholesalers and distributors for supply questions and also provides its National Service Center number (800-672-6372) for additional information.

2. Merck Supply Update: TICE BCG BCG LIVE (for intravesical use). June 2020.

Appendix E: Examples of Solid Tumors per Pivotal Trials by "N" (descending)

MSI-H Solid Tumors	TMB-H Solid Tumors
CRC	SCLC
Endometrial cancer	Cervical cancer
Biliary cancer	Endometrial cancer
Colorectal cancer	Small cell lung cancer
Endometrial cancer	Cervical cancer
Biliary cancer	Mesothelioma cancer
Gastric or GE junction cancer	Anal cancer
Pancreatic cancer	Vulvar cancer
Small intestinal cancer	Neuroendocrine cancer
Breast cancer	Salivary cancer
Prostate cancer	Thyroid cancer
Bladder cancer	
Esophageal cancer	Additional examples - NCCN compendium:
Sarcoma	Adrenal tumor, ampullary adenocarcinoma,
Thyroid cancer	breast cancer, ovarian / fallopian tube /
Retroperitoneal adenocarcinoma	primary peritoneal cancer, chondroma,

<sup>1.</sup> National Comprehensive Cancer Network Guidelines. Bladder Cancer Version 5.2020. Available at https://www.nccn.org/professionals/physician\_gls/pdf/bladder.pdf. Accessed July 10, 2020.



MSI-H Solid Tumors	TMB-H Solid Tumors
Small cell lung cancer	chondrosarcoma, head and neck cancer,
Renal cell cancer	Ewing sarcoma, myxofibrosarcoma,
Additional examples - NCCN compendium:	nasopharynx cancer, occult primary
Adrenal tumor, ampullary adenocarcinoma,	carcinoma, osteosarcoma, pancreatic cancer,
cervical / vulvar / ovarian / fallopian tube /	prostate cancer, testicular cancer, soft tissue
primary peritoneal cancer, chondrosarcoma,	sarcoma, uterine sarcoma, vaginal cancer
chondroma, Ewing sarcoma, head and neck	
cancer, hepatocellular carcinoma,	
neuroendocrine cancer, occult primary	
carcinoma, osteosarcoma, penile cancer,	
small bowel adenocarcinoma, testicular	
cancer, vaginal cancer	

# Appendix F: General Information

- High-risk early-stage TNBC was defined as tumor size > 1 cm but ≤ 2 cm in diameter with nodal involvement or tumor size > 2 cm in diameter regardless of nodal involvement in the pivotal KEYNOTE-522 study.
- Although Keytruda's approval for small cell lung cancer was withdrawn due to lack improvement in overall survival in phase 3 randomized trial data, the NCCN continues to recommend this use, stating that "pembrolizumab [is] just as effective as, and sometimes better than, the other subsequent therapy options."
- Per NCCN, contraindications for treatment with PD-1/PD-L1 inhibitors may include
  active or previously documented autoimmune disease and/or current use of
  immunosuppressive agents, or presence of an oncogene (i.e., EGFR exon 19 deletion or
  exon 21 L858R, ALK rearrangements), which has been shown to be associated with less
  benefit.
- FIGO 2014 Stage III-IVA cervical cancer is defined as tumor involvement of the lower vagina with or without extension onto pelvic sidewall or hydronephrosis/non-functioning kidney or has spread to adjacent pelvic organs.

# V. Dosage and Administration

Indication	Dosing Regimen	Maximum Dose
Pediatrics		
cHL, PMBCL, MSI-H cancer,	2 mg/kg IV every 3 weeks up to 24	200 mg every 3
MCC, TMB-H cancer	months	weeks
Melanoma	2 mg/kg IV every 3 weeks up to 12	200 mg every 3
	months	weeks
Adults		
Melanoma	200 mg IV every 3 weeks OR 400 mg	200 mg every 3
	every 6 weeks	weeks OR 400 mg
	If adjuvant therapy up to 12 months	every 6 weeks
NSCLC	200 mg IV every 3 weeks OR 400 mg	200 mg every 3
	every 6 weeks up to 24 months* OR	weeks OR 400 mg
	up to 12 months for adjuvant	every 6 weeks



Indication	Dosing Regimen	Maximum Dose
	treatment** OR 12 weeks for	
	neoadjuvant treatment*** followed	
	by adjuvant treatment for 39 weeks**	
	*As single-agent therapy or in combination	
	with chemotherapy	
	**As single-agent therapy  *** In combination with chemotherapy	
HNSCC, MPM, cHL, PMBCL,	200 mg IV every 3 weeks OR 400 mg	200 mg every 3
urothelial carcinoma, MSI-H	every 6 weeks up to 24 months*	weeks OR 400 mg
or dMMR cancer (including	every 6 weeks up to 21 months	every 6 weeks
endometrial carcinoma),	*For esophageal cancer, gastric cancer, or	every o weeks
gastric cancer, esophageal	HNSCC: as single-agent therapy or in	
cancer cervical cancer, HCC,	combination with chemotherapy.	
BTC, MCC, TMB-H cancer,	For cervical cancer: as single-agent therapy or in combination with chemotherapy or	
cSCC	CRT	
	For urothelial carcinoma: as single-agent	
	therapy or in combination with Padcev.	
	For BTC, MPM: in combination with	
RCC (combination therapy)	chemotherapy 200 mg IV every 3 weeks OR 400 mg	200 mg every 3
Rec (combination therapy)	every 6 weeks in combination with	weeks OR 400 mg
	axitinib or lenvatinib up to 24 months	every 6 weeks
RCC (monotherapy)	200 mg IV every 3 weeks OR 400 mg	200 mg every 3
(monotherapy)	every 6 weeks for up to 12 months	weeks OR 400 mg
	every a weeks for up to 12 months	every 6 weeks
Endometrial Carcinoma	200 mg IV every 3 weeks OR 400 mg	200 mg every 3
(combination therapy)	every 6 weeks prior to carboplatin	weeks OR 400 mg
137	and paclitaxel when given on the	every 6 weeks
	same day or in combination with	
	lenvatinib, up to 24 months	
TNBC	200 mg IV every 3 weeks OR 400 mg	200 mg every 3
	every 6 weeks* for the following	weeks OR 400 mg
	durations:	every 6 weeks
	High-risk early-stage TNBC –	
	neoadjuvant: 24 weeks	
	High-risk early-stage TNBC –	
	adjuvant: 27 weeks	
	Locally recurrent unresectable	
	metastatic TNBC: 24 months	
	*In combination with chemotherapy for high-	
	risk early-stage TNBC when used as	
	neoadjuvant treatment and for locally	
	recurrent unresectable or metastatic TNBC.	



## VI. Product Availability

Solution, single-dose vial: 100 mg/4 mL

### VII. References

- 1. Keytruda Prescribing Information. Whitehouse Station, NJ: Merck and Co.; January 2025. Available at <a href="http://www.merck.com/product/usa/pi\_circulars/k/keytruda/keytruda\_pi.pdf">http://www.merck.com/product/usa/pi\_circulars/k/keytruda/keytruda\_pi.pdf</a>. Accessed February 13, 2025.
- 2. National Comprehensive Cancer Network Drugs and Biologics Compendium. Available at <a href="https://www.nccn.org/professionals/drug">https://www.nccn.org/professionals/drug</a> compendium/content/. Accessed March 11, 2025.
- 3. Salem ME, Puccini A, Grothey A, et al. Landscape of tumor mutation load, mismatch repair deficiency, and PD-L1 expression in a large patient cohort of gastrointestinal cancers. Molecular cancer research: MCR. 2018;16(5):805-812. https://pubmed.ncbi.nlm.nih.gov/29523759/

## **Coding Implications**

Codes referenced in this clinical policy are for informational purposes only. Inclusion or exclusion of any codes does not guarantee coverage. Providers should reference the most up-to-date sources of professional coding guidance prior to the submission of claims for reimbursement of covered services.

HCPCS Codes	Description
J9271	Injection, Pembrolizumab, 1mg

Reviews, Revisions, and Approvals	Date
Added max dose requirement to both initial and re-auth criteria. Increased all	02/2018
approval durations from 3/6 months to 6/12 months. Removed reasons to	
discontinue. Added requirement for documentation of positive response to	
therapy. References reviewed and updated.	
1Q 2019 Criteria added for new FDA indications HCC and as first-line therapy	01/2019
for metastatic squamous NSCLC in combination with chemotherapy; re-added	
criteria for PMBCL as previously approved; referenced reviewed and updated.	
4Q 2019 annual review: No changes per Statewide PDL implementation 01-01-	10/2019
2020	
FDA Approved Indication(s) section updated;	04/2020
Cervical Cancer Criteria changes:	
<ul> <li>Added reference to Appendix B for examples of systemic therapy</li> </ul>	
<ul> <li>Added treatment duration limitation of 24 months</li> </ul>	
Melanoma criteria changes:	
Removed off-label designation for uveal melanoma	
Added age restriction to 18 yr and older	
<ul> <li>Added lymph node positive disease for coverage</li> </ul>	
<ul> <li>Added treatment duration limitation of 12 months for adjuvant</li> </ul>	
treatment	



Rev	views, Revisions, and Approvals	Date
	NSCLC criteria changes:	
	O Added age restriction to 18 yr and older	
	<ul> <li>Added advanced disease for coverage</li> </ul>	
	<ul> <li>Added single-agent therapy for brain metastasis per NCCN</li> </ul>	
	Removed histology requirements	
	o Mutational status requirements are limited to EGFR and ALK per the	
	FDA label for primary therapy and to the additional NCCN directed	
	requirement of prior ROS1 targeted therapy	
	O Subsequent therapy requirement for platinum-based chemotherapy	
	when TPS $\geq 1\%$ is removed since Keytruda is now FDA-approved as	
	first-line therapy when TPS $\geq 1\%$	
•	Criteria added for Small Cell Lung Cancer	
	HNSCC criteria changes:	
	<ul> <li>Clarified subtypes by location</li> </ul>	
	<ul> <li>Added oncologist prescriber limitation</li> </ul>	
	<ul> <li>Added age restriction to 18 yr and older</li> </ul>	
	<ul> <li>Revised to include first-line combination therapy and first-line single-</li> </ul>	
	agent therapy, the latter if PD-L1 $\geq$ 1.	
	<ul> <li>Disease characteristics for HNSCC are updated from recurrent or</li> </ul>	
	metastatic, to unresectable, recurrent or metastatic	
	Added treatment duration limitation of 24 months	
•	cHL criteria changes:	
	<ul> <li>Added oncologist, hematologist prescriber limitation</li> </ul>	
	<ul> <li>Lowered age restriction to ≥ 2 years</li> </ul>	
	<ul> <li>Added reference to Appendix B for examples of systemic therapy</li> </ul>	
	Revised dosing regimens to adult and pediatric dosing	
•	Urothelial Carcinoma criteria changes:	
	<ul> <li>Added urologist to allowed prescribers</li> </ul>	
	<ul> <li>Added age restriction to 18 yr and older</li> </ul>	
	<ul> <li>Progression as a response to platinum therapy is removed as response</li> </ul>	
	may include persistence or partial response	
	<ul> <li>Added criterion for BCG-unresponsive, high-risk, NMIBC with CIS</li> </ul>	
	Added treatment duration limitation of 24 months	
•	MSI-H or dMMR criteria changes:	
	<ul> <li>Added reference to Appendix D for examples of solid tumors listed in</li> </ul>	
	the NCCN compendium and FDA label	
	o Added age restriction to $\geq 2$ years	
	<ul> <li>Subsequent therapy requirement is removed where recommended per</li> </ul>	
	NCCN	
	<ul> <li>Disease characteristics (e.g., metastatic) are removed to encompass</li> </ul>	
	NCCN recommended uses	



Reviews, Revisions, and Approvals	Date
Gastric, EGJ, or esophageal adenocarcinoma criteria changes:	
Added age restriction to 18 yr and older	
Clarified to include unresectable disease	
<ul> <li>Added reference to Appendix B for examples of systemic therapy</li> </ul>	
<ul> <li>Added treatment duration limitation of 24 months</li> </ul>	
Added criteria set for Esophageal Squamous Cell Carcinoma	
PMBCL criteria changes:	
<ul> <li>Added reference to Appendix B for examples of systemic therapy</li> </ul>	
<ul> <li>Revised dosing regimens to adult and pediatric dosing</li> </ul>	
HCC criteria changes:	
<ul> <li>Add treatment duration limitation of 24 months</li> </ul>	
MCC criteria changes:	
<ul> <li>Removed Off-label designation</li> </ul>	
<ul> <li>Lowered age restriction to ≥ 2 years</li> </ul>	
<ul> <li>Added criterion to indicate use in recurrent, locally advanced, or</li> </ul>	
metastatic disease	
<ul> <li>Revised dosing regimens to adult and pediatric dosing</li> </ul>	
Added criteria set for Renal Cell Carcinoma	
Add criteria set for Endometrial Carcinoma	
Add criteria set for NCCN recommended Uses (off-label)	
Revised dosing regimens under continued approval to align with individual	
indications	
Appendices updated	
Section IV. Dosage and Administration updated	
Product Availability section updated	
References reviewed and updated	
3Q 2020 annual review: new FDA approved dosing of 400 mg every 6 weeks	07/2020
added to all labeled adult indications; NSCLC: first-line removed from	
combination with chemotherapy per NCCN; brain metastasis moved under PD-	
L1 positive disease per NCCN; SCLC: relapsed disease added per NCCN; cHL:	
Keytruda as single-agent therapy added per NCCN; HNSCC: first-line therapy	
requirement removed from combination platinum/FU therapy per NCCN; MSI-	
H/dMMR tumors: first-line therapy for occult primary tumor and small bowel	
added per NCCN; HCC: Child-Pugh Class A added per NCCN/pivotal trial	
with no prior checkpoint inhibitor therapy caveat per NCCN; three new FDA	
approved indications added: 1) MSI-H/dMMR CRC first-line (adults), 2) TMB-	
H (adults/pediatrics), 3) cSCC (adults); NCCN off-label Keytruda use as first-	
line for MSI-H tumors is limited to adults; NCCN off-label criteria set is	
limited to adults; endometrial carcinoma criteria set is limited to 24 months of	
therapy; MSI-H/TMB-H CNS tumors excluded for pediatrics per PI; indication	
table added with directives to MSI-H/TMB-H criteria sets for appropriate	



Reviews, Revisions, and Approvals	Date
cancers; BCG appendix D added; TMB-H solid tumor examples added to appendix E; references reviewed and updated; references reviewed and updated.	
3Q 2021 annual review: FDA cHL label updated from relapsed disease after 3 lines of therapy to after 1 line of therapy (adults) or 2 lines of therapy (pediatrics); new NCCN pediatric cHL guideline added to reference section; new FDA-approved TNBC indication added; for HCC, Lenvima added as a prior therapy option per NCCN. Newly approved indication of esophageal/GEJ junction carcinoma and new indication for combo use for 1st line gastric or GEJ adenocarcinoma were added AND removal of SCLC indication; references reviewed and updated.	07/2021
3Q 2022 annual review: RT4: updated FDA Approved Indication(s) section to include newly approved indication for use as monotherapy for MSI-H or dMMR endometrial carcinoma (no change to criteria required); revisions per NCCN – melanoma: added requirement for use as a single agent or in combination with Lenvima or Yervoy; NSCLC: added requirement for no contraindications to PD-1/PD-L1 inhibitors, clarified criteria regarding disease mutation status (disease should be negative for actionable biomarkers and prior targeted therapy is now required only for ROS1 and EGFR S7681, L861Q, and/or G719X mutations), added pathway for use as single-agent continuation maintenance therapy if previously given first line as part of a chemotherapy regimen; HNSCC: added pathway for combination use with docetaxel or gemcitabine; cHL: added pathway for combination use with GVD in adults; cSCC, HCC, PMBCL: added requirement for use as a single agent; urothelial carcinoma: added requirement for use as a single agent for locally advanced or metastatic disease in members who are ineligible for or have previously received platinum-containing chemotherapy; MSI-H/dMMR cancers: added additional cancers for which Keytruda may be used first line (ampullary adenocarcinoma, non-nasopharyngeal head and neck cancer, pancreatic adenocarcinoma, removed requirement for oxaliplatin contraindication for small bowel adenocarcinoma, added requirement for use as a single agent; RCC: added requirement for use as a single agent; RCC: added additional coverable cancers (adrenocortical carcinoma, alveolar soft part sarcoma, anaplastic large cell lymphoma, small cell lung cancer), added pathway for use as first-line for thymic carcinoma, removed use for malignant pleural mesothelioma, updated mycosis fungoides to allow stage IIB, updated anal carcinoma to require no prior treatment with Keytruda or Opdivo, updated cancers where Keytruda is to be used only as subsequent therapy to require use as a single agent, updated extranodal NK/T-cell lymphoma to remove na	07/2022



Reviews, Revisions, and Approvals	Date
RT4: added criteria for newly FDA approved indication of single-agent	04/2023
adjuvant therapy for NSCLC, added "as determined by an FDA-approved test"	
for MSI-H/dMMR cancer and microsatellite instability-high or mismatch repair	
deficient CRC, and revised "adult indications: additional dosing regimen" to	
apply only to adult cHL and PMBCL per updated PI; revised NSCLC criteria to	
include additional requirements related to mutation status per NCCN	
compendium; for endometrial carcinoma for use in combination with Lenvima,	
revised dMMR to pMMR per updated FDA approved indication; references	
reviewed and updated.	
3Q 2023 annual review: cHL, PMBCL, MSI-H/dMMR, MCC, TMB-H:	07/2023
adjusted pediatric age from 2 years to 6 months per PI/KEYNOTE-051; for	0772023
Melanoma added option to be prescribed in combination with Mekinist and	
Trafinlar for disease with BRAF V600 activating mutation per NCCN; added	
endemic or classic Kaposi Sarcoma for adult off-label use and hypermutant	
tumor diffuse high-grade glioma for pediatric off-label use per NCNN; added	
criterion prescribed as single agent for Merkel cell carcinoma per NCCN; for	
HCC, added option for Stivarga; for pediatric PMBCL added option to be	
prescribed in combination with Adcetris; for endometrial carcinoma added	
option for combination with carboplatin and paclitaxel if disease is recurrent or	
stage III-IV tumor; references reviewed and updated. RT4: added additional	
urothelial cancer indication in combination with enfortumab vedotin for	
patients ineligible for cisplatin-containing chemotherapy, and updated FDA	
approved indication for MSI-H/dMMR solid tumors to reflect full FDA	
approval per PI.	
RT4: updated FDA-approved indication for MCC to full FDA approval and	01/2024
added new indication of HER2-negative gastric/GEJ per PI; for NSCLC,	01/2024
criteria added for new FDA approved indication – "combination with platinum-	
containing chemotherapy as neoadjuvant therapy, then continued as single	
agent as adjuvant treatment after surgery for patients with tumors $\geq 4$ cm or	
node positive" and option for disease to be resectable or resected per updated	
PI; added criteria for newly approved FDA indication for BTC per PI and	
NCCN; for gastric/esophageal/GEJ cancer, clarified specific uses per updated	
PI, including requirement that tumor must be HER2-positive and express PD-	
L1 (CPS $\geq$ 1) when prescribed in combination use with trastuzumab for	
gastric/GEJ adenocarcinoma; for MSI-H/dMMR, added gastric or GEJ cancer	
as cancer type that can be prescribed as first line or subsequent therapy and	
added option to prescribe in combination with platinum- and fluoropyrimidine-	
based chemotherapy for gastric or GEJ cancer per NCCN; for urothelial cancer	
in combination with Padcev, updated FDA-approved indication to full approval	
and removed requirement for cisplatin ineligibility per updated PI.	
RT4: for cervical cancer, criteria added for new FDA indication for usage in	04/2024
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combination with CRT with FIGO 2014 Stage III-IVA cancer. updated FDA-	
approved indication section for HCC to full approval with update from those	
"who have previously been treated with sorafenib" to "secondary to hepatitis B	
who have received prior systemic therapy other than a PD-1/PD-L1-containing	



Reviews, Revisions, and Approvals	Date
regimen" per PI; for HCC, added option for prior use of Cabometyx and added	
option to be prescribed as first-line treatment per NCCN.	
3Q 2024 annual review: for cHL,added pathway for palliative therapy	07/2024
(previously had after hematopoietic stem cell transplant, which falls under	
palliative therapy) per NCCN; for HCC, removed disease is classified as Child-	
Pugh Class A; for BTC, added option for resected gross residual (R2) disease	
and removed combination with Lenvima per NCCN; for endometrial	
carcinoma, clarified continued as a single agent for maintenance therapy when	
prescribed in combination with carboplatin and paclitaxel; for NCCN	
recommended uses (off-label): expanded to stage IB for mycosis fungoides, for	
prescribed as first-line or subsequent therapy - added metastatic anaplastic	
carcinoma, anaplastic sarcoma, and vaginal cancer, for prescribed as single-	
agent subsequent therapy – added soft tissue sarcoma subtypes, added option	
for Keytruda to be prescribed in combination with cyclophosphamide and	
bevacizumab for platinum-resistant persistent ovarian cancer, fallopian tube	
cancer, and primary peritoneal cancer per NCCN; for continuation requests,	
added criterion for maximum duration of therapy (previously was included	
within requests for dose increase criterion); updated appendix E; references	
reviewed and updated.	
RT4: added new FDA approved indication for MPM.	10/2024
RT4: updated FDA Approved Indication section for EC in combination with	
lenvatinib to require FDA-approved testing for both MSI-H and pMMR	
(previously required for pMMR only) per PI. Per March SDC, for HNSCC,	
added redirection for nasopharyngeal carcinoma to Loqtorzi.	
3Q 2025 annual review: for NSCLC, updated targeted therapies for EGFR exon	07/2025
19 deletion, L858R, and ROS1 rearrangement positive disease; for HNSCC	
added option to be prescribed in combination with Erbitux as first-line therapy	
or subsequent-line therapy; for cHL, added option to be prescribed in	
combination with decitabine and vorinostat, for post-allogenic hematopoietic	
cell transplant or post autologous stem cell rescue, and members not candidate	
for anthracycline therapy and revised for relapsed disease for both adults and	
pediatrics after $\geq 1$ line of systemic therapy (previously $\geq 2$ lines of systemic	
therapy for pediatrics); for UC, added option to be prescribed in combination	
with Inlyta or Lenvima, usage for relapsed disease, and prescribed as a single	
agent for adjuvant therapy; for cervical cancer, added FIGO 2018 stage III-IVA	
in combination with CRT and added option to be prescribed in combination	
with Tivdak for tumors expressing PD-L1 and has not received prior immune-	
oncology therapy, recurrent or metastatic disease, and disease as progressed on	
or after ≥ 1 line of systemic therapy; for HCC, removed specific treatment	
regimens member has had disease progression following from and revise to	
prescribed as subsequent line therapy; for BTC, added option for disease is	
resectable locoregionally advanced and prescribed as neoadjuvant therapy for	
gallbladder cancer; for TNBC, added option to be prescribed as preoperative	
systemic therapy in combination with carboplatin and docetaxel; added off-	
label usage for central nervous (CNS) cancer, thyroid carcinoma, peritoneal	



Reviews, Revisions, and Approvals	Date
mesothelioma, penile cancer; for mycosis fungoides, revised stage to Stage IA –	
III; for thymic carcinoma, removed metastatic or unresectable requirement;	
RT4: updated FDA Approved Indication(s) section and criteria to reflect	
revised indication that limits use to tumors expressing PD-L1 (CPS $\geq$ 1) for	
esophageal or GEJ carcinoma in combination with chemotherapy and HER2-	
negative gastric or GEJ adenocarcinoma as first-line therapy in combination	
with chemotherapy per updated PI (previously approved regardless of PD-L1	
status); RT4: updated FDA Approved Indications(s) section for cervical cancer	
to clarify FIGO 2014 Stage III-IVA per updated PI; updated Appendix E with	
addition of soft tissue sarcoma as an example for MSI-H solid tumors and small	
bowel adenocarcinoma for TMB-H solid tumors; references reviewed and	
updated.	
Per June SDC: added redirection to Tevimbra for HER2-negative gastric or	
GEJ adenocarcinoma and esophageal carcinoma or GEJ squamous cell	
carcinoma.	