

### Clinical Policy: Pembrolizumab (Keytruda)

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Line of Business: Medicaid Revision Log

See  $\underline{\text{Important Reminder}}$  at the end of this policy for important regulatory and legal information.

\*\*Please note: This policy is for medical benefit\*\*

#### Description

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

FDA Approved Indication(s)

FDA Approved Indication(s) Indication	Adults	Pediatrics
Melanoma	X	X
Non-small cell lung cancer	X	
Head and neck squamous cell carcinoma	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 (excludes CNS
repair deficient (dMMR) cancer		tumor)
(First-line treatment for colorectal cancer limited to adults.)		,
Gastric cancer	X	
Esophageal cancer	X	
Cervical cancer	X	
Hepatocellular carcinoma	X	
Biliary Tract Cancer	<u>X</u>	
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	
Adult indications – additional dosing regimens	X	
Off-label uses		
Mycosis fungoides	X	
Sezary syndrome	X	
Anal carcinoma	X	
Gestational trophoblastic neoplasia	X	
Extranodal NK/T-cell lymphoma	X	
Vulvar carcinoma	X	
Adrenocortical carcinomaPleural mesothelioma	<u>X</u> X	



Indication	Adults	Pediatrics
Alveolar soft part sarcoma	<u>X</u>	
Thymic carcinoma	<u>X</u>	
Anaplastic large cell lymphoma	<u>X</u>	
Small cell lung cancer	<u>X</u>	
Kaposi Sarcoma	<u>X</u>	
Glioma		<u>X</u>

<sup>\*</sup>If a solid tumor is characterized as MSI-H/dMMR or TMB-H, see criteria at Sections I.G or I.N 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.
- In combination with carboplatin and either paclitaxel or nab-paclitaxel protein-bound, as first-line treatment of patients with metastatic squamous NSCLC.
- O 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 As a single agent for the adjuvant treatment following resection and platinum-based chemotherapy for adult patients with Stage IB (T2a ≥ 4 cm), II, or IIIA NSCLC.

#### Head and neck squamous cell cancer (HNSCC)

- 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

- In combination with enfortumab vedotin for the treatment of adult patients with locally advanced or metastatic urothelial carcinoma who are not eligible for cisplatin-containing chemotherapy.\*
- As a single agent fFor 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 fFor 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 (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.
  - Solid tumors that have progressed following prior treatment and who have no satisfactory alternative treatment options
  - Limitations of use: The safety and effectiveness of Keytruda in pediatric patients with MSI-H central nervous system cancers have not been established

### • Microsatellite instability-high or mismatch repair deficient colorectal cancer (CRC)

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

### Gastric cancer

- 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.\*
- o For the treatment of patietns with recurrent locally advanced or metastatic gastric or GEJ (esophagogastric junction; EGJ) adenocarcinoma whose tumors express PD L1 (CPS ≥ 1) as determined by an FDA approved test, with disease progression on or after two or more prior lines of therapy including fluoropyrimidine—and platinum containing chemotherapy and if appropriate, human epidermal growth factor receptor 2 (HER2)/neu targeted therapy.

#### Esophageal cancer

- For the treatment of patients with locally advanced or metastatic esophageal or 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, 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

- 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)

\_ For the treatment of patients with HCC who have been previously treated with sorafenib.\*

#### • Biliary Tract Cancer (BTC)

o in combination with gemcitabine and cisplatin, for the treatment of patients with locally advanced unresectable or metastatic biliary tract cancer.

#### • Merkel cell carcinoma (MCC)

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

#### • Renal cell carcinoma (RCC)

- In combination with axitinib, for the first-line treatment of adult patients with advanced RCC
- 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

- o In combination with lenvatinib, for the treatment of patients with advanced endometrial carcinoma that is mismatch repair proficient (pMMR) as determined by an FDA-approved test or not MSI-H, 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 tumor mutational burden-high (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.\*
- 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)

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



#### • Triple-negative breast cancer (TNBC)

- 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.
- 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.\*\*

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<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.



#### 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 Louisiana HealthCare Connections® 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, or c):
    - a. A single agent;
    - b. In combination with Lenvima® or Yervoy®;
    - <u>c.</u> In combination with Mekinist<sup>®</sup> and Trafinlar<sup>®</sup> for disease with BRAF V600 activating mutation;
  - 4. <u>a single agent or in combination with Lenvima<sup>®</sup> or Yervoy<sup>®</sup>;</u>
  - 5.6. 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*).
    - \*Prescribed regimen must be FDA-approved or recommended by NCCN.

#### **Approval duration:**

Medicaid - 6 months

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

- 1. Diagnosis of NSCLC;
- 2. Prescribed by or in consultation with an oncologist;
- 3. Age  $\geq$  18 years;
- 4. Disease is recurrent, advanced, or metastatic;
- 5. Request meets one of the following (a, b, c, d, e, or f):
  - a. Disease mutation status is negative for actionable biomarkers (EGFR, KRAS, ALK, ROS1, BRAF, NTRK1/2/3, MET, RET, and ERBB2 [HER2]);
  - b. Disease mutation status is positive for EGFR S768I, L861Q, and/or G719X, and member has received prior afatinib, osimertinib, erlotinib, gefitinib, or dacomitinib;\*
  - c. Disease mutation status is positive for EGFR exon 19 deletion or L858R, and member has received prior erlotinib ± (ramucirumab or bevacizumab), afatinib, gefitinib, osimertinib, or dacomitinib;\*
  - d. Disease mutation status is positive for ROS1 rearrangement, and member has received prior crizotinib, entrectinib, or ceritinib;\*
  - e. Disease mutation status is positive for ALK rearrangement, and member has received prior crizotinib, ceritinib, alectinib, brigatinib, or lorlatinib;\*



- f. Disease mutation status is positive for EGFR exon 20, KRAS G12C, NRTK1/2/3, BRAF V600E, MET exon 14 skipping, RET rearrangement, or ERBB2 (HER2);
   \*Prior authorization may be required
- 5.—If disease is positive for an EGFR, ALK, or ROS1 mutation, disease has progressed on or after targeted therapy (see Appendix B for examples of targeted therapy);
- 6. Keytruda is prescribed in one of the following ways (a, b, c, or d-or b):
  - a. For PD-L1 positive disease (TPS  $\geq$  1%);
  - <u>b.</u> In combination with a chemotherapy regimen (*see Appendix B*);
  - <u>c.</u> As single-agent continuation maintenance therapy if previously given first line as part of a chemotherapy regimen;
  - 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;
- Member does not have contraindications to PD-1/PD-L1 inhibitor therapy (e.g., Opdivo<sup>®</sup>, Yervoy, Tecentriq<sup>®</sup>, Imfinzi<sup>®</sup>) (see Appendix F);
- 8. Request meets one of the following (a or b):\*
  - <u>a.</u> Dose does not exceed 200 mg every 3 weeks or 400 mg every 6 weeks for a maximum of 24 months duration of one of the following (i or ii):
    - i. 24 months;
    - ÷ii. 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*). \**Prescribed regimen must be FDA-approved or recommended by NCCN*.

#### **Approval duration:**

Medicaid—6 months

### C. 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, b, or c):
  - In combination with platinum-containing chemotherapy and either FU, docetaxel, or gemcitabine;
  - b. As a first-line single agent and the tumor expresses PD-L1 with a CPS of  $\geq 1$ ;
  - c. As a single agent for disease that has progressed on or after platinum-containing chemotherapy (e.g., cisplatin, carboplatin);
- 6. Request meets one of the following (a or b):\*
  - 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).
     \*Prescribed regimen must be FDA-approved or recommended by NCCN.
- Approval duration:

**Medicaid** 6 months



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

- 1. Diagnosis of cHL;
- 2. Prescribed by or in consultation with an oncologist or hematologist;
- 3. Age  $\geq 6 \text{ month } 2 \text{ years};$
- 4. Keytruda is prescribed as single-agent therapy (*adults or pediatrics*) or in combination with GVD (gemcitabine, vinorelbine, liposomal doxorubicin) (*adults only*) in one of the following ways (a, b, c, or d):
  - a. After hematopoietic stem cell transplant;
  - b. For disease that is refractory to  $\geq 1$  line of systemic therapy (see Appendix B);
  - c. Age  $\geq$  18 years: For disease that has relapsed after  $\geq$  1 line of systemic therapy (see Appendix B);
  - d. Age  $\geq$  6 month 2 years to < 18 years: For disease that has relapsed after  $\geq$  2 lines of systemic therapy (*see Appendix B*);
- 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;
  - 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).

\*Prescribed regimen must be FDA-approved or recommended by NCCN.

### **Approval duration:**

**Medicaid**—6 months

### E. 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  $\geq \frac{2 \text{ years}}{6 \text{ months}}$ ;
- 4. Disease is refractory to or has relapsed after ≥ 1 line of systemic therapy (see Appendix B);
- 5. Prescribed as a single agentin one of the following ways (a or b):
  - a. As a single agent;
  - a.b. For age  $\geq 6$  months to  $\leq 18$  years only, in combination with Adcetris.
- 4.6. Request meets one of the following (a, b, or c):\*
  - Adults: Dose does not exceed 200 mg every 3 weeks or 400 mg every 6 weeks for a maximum of 24 months;
  - 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*).

\*Prescribed regimen must be FDA-approved or recommended by NCCN

#### **Approval duration:**

**Medicaid**—6 months

#### F. Urothelial Carcinoma (must meet all):

- 1. Diagnosis of urothelial carcinoma;
- Prescribed by or in consultation with an oncologist or urologist;



- 3. Age  $\geq$  18 years;
- 4. Keytruda is prescribed in one of the following ways (a,b, or c-or b):
  - a. In combination with Padcev<sup>®</sup> for locally advanced or metastatic disease, and member is not eligible for cisplatin-containing chemotherapy;
  - mb. As a single agent fFor locally advanced or metastatic disease, and member is ineligible for or has previously received platinum-containing chemotherapy (e.g., cisplatin, carboplatin);
  - b.c. As a single agent fFor the treatment of BCG-unresponsive, high-risk, NMIBC with CIS, and member is ineligible for or has elected not to undergo cystectomy (see Appendix D for BCG shortage information);
- 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*).

\*Prescribed regimen must be FDA-approved or recommended by NCCN.

#### **Approval duration:**

Medicaid 6 months

#### G. 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 MSI-H solid tumors);
- 2. Prescribed by or in consultation with an oncologist;
- 3. Member meets one of the following (a or b):
  - a. Age  $\geq \frac{2 \text{ year}_6 \text{ month}}{18}$  to < 18 years and request is not for first-line therapy;
  - b. Age  $\geq$  18 years;
- 4. Keytruda is prescribed in one of the following ways (a or, b, or e):
  - As first-line or subsequent therapy for ampullary adenocarcinoma, CRC, gallbladder cancer, intrahepatic/extrahepatic cholangiocarcinoma, nonnasopharyngeal head and neck cancer, occult primary tumor, pancreatic adenocarcinoma, or small bowel adenocarcinoma;
  - As first line therapy for small bowel adenocarcinoma if oxaliplatin contraindication, otherwise subsequent therapy
  - b. As subsequent therapy for other solid tumors;
- 5. Prescribed as a single agent
- 6. Request meets one of the following (a, b, or c):\*
  - Adults: Dose does not exceed 200 mg every 3 weeks or 400 mg every 6 weeks for a maximum of 24 months;
  - 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*).

\*Prescribed regimen must be FDA-approved or recommended by NCCN.

#### **Approval duration:**

Medicaid 6 months



### H. Gastric Cancer, Esophageal Cancer, or Gastroesophageal Junction Adenocarcinoma (must meet all):

- 1. Diagnosis of gastric cancer, esophageal cancer, or GEJ adenocarcinoma;
- 2. Prescribed by or in consultation with an oncologist;
- 3. Age  $\geq$  18 years;
- 4. Disease is unresectable, locally advanced, recurrent, or metastatic;
- 5. Keytruda is prescribed in one of the following ways (a, or b-or e):
  - a. In combination with trastuzumab, fluoropyrimidine- and platinum-containing or platinum- and fluoropyrimidine-based chemotherapy;
  - As a single agent for the treatment of patients whose tumors express PD L1 (CPS ≥1) and disease has progressed on or after > 2 lines of systemic therapy (see Appendix B);
  - e-b. 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) (see Appendix B);
- 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*).

\*Prescribed regimen must be FDA-approved or recommended by NCCN.

#### **Approval duration:**

Medicaid 6 months

### I. 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. Tumor expresses PD-L1 (CPS  $\geq$  1);
- 5. Prescribed in one of the following ways (a or b):
  - a. As a single agent, and (i and ii):
    - i. Disease is recurrent or metastatic;
    - ii. Disease has progressed on or after ≥ 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):
    - i. Disease is persistent, recurrent, or metastatic;
- 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*).

\*Prescribed regimen must be FDA-approved or recommended by NCCN.

#### **Approval duration:**

**Medicaid**—6 months

### J. Hepatocellular Carcinoma (must meet all):



- 1. Diagnosis of HCC;
- 2. Prescribed by or in consultation with an oncologist;
- 3. Age  $\geq$  18 years;
- Disease is classified as Child-Pugh Class A and has progressed on or after therapy with Nexavar<sup>®</sup>, or Lenvima<sup>®</sup>, or Stivarga<sup>®</sup>;
   \*Prior authorization may be required for Nexavar, and Lenvima, and Stivarga
- Member has not previously been treated with immune checkpoint inhibitor therapy (PD-L1/PD-1, e.g., Tecentriq, Opdivo);
- 5.6. Prescribed as a single agent;
- 6.7. 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).

    \*Prescribed regimen must be FDA-approved or recommended by NCCN.

#### **Approval duration:**

**Medicaid**—6 months

#### K. 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. Disease is locally advanced or metastatic;
- 5. Patient is BTC-treatment naïve;
- 6. Prescribed in combination with gemcitabine and cisplatin;
- 7. Request meets one of the following (a or b):\*
  - <u>a.</u> Dose does not exceed 200 mg every 3 weeks or 400 mg every 6 weeks for a <u>maximum of 24 months;</u>
  - b. Dose is supported by practice guidelines or peer-reviewed literature for the relevant off-label use (prescriber must submit supporting evidence).

\*Prescribed regimen must be FDA-approved or recommended by NCCN.

**Approval duration:** 6 months

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

- 1.8. Diagnosis of MCC;
- 2.9. Prescribed by or in consultation with an oncologist;
- 3.10. Age  $\geq$  6 month 2 years;
- 11. Disease is recurrent, locally advanced, or metastatic;
- 4.12. Prescribed as a single agent;
- 5.13. 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*).

\*Prescribed regimen must be FDA-approved or recommended by NCCN.



#### **Approval duration:**

**Medicaid**—6 months

#### **L-M. Renal Cell Carcinoma** (must meet all):

- 1. Diagnosis of 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, or c):
  - 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.
  - 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;
  - As a single agent for relapsed or stage IV disease with non-clear cell histology (off-label);
- 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 (combination therapy) or 12 months (monotherapy);
  - b. Dose is supported by practice guidelines or peer-reviewed literature for the relevant off-label use (*prescriber must submit supporting evidence*). \**Prescribed regimen must be FDA-approved or recommended by NCCN*.

### **Approval duration:**

**Medicaid**—6 months

#### M.N. Endometrial Carcinoma (must meet all):

- 1. Diagnosis of endometrial carcinoma;
- 2. Prescribed by or in consultation with an oncologist;
- 3. Age  $\geq$  18 years;
- 4. Prescribed in one of the following ways (a or b):
  - a. <u>In combination with Lenvima\* and both of the following (i and ii);</u>
  - \*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 for recurrent or Stage III-IV tumor;

or dMMR\* (i.e., disease is not indicative of MMR gene mutation or loss of expression); \*See criteria set I.G. for MSI H/dMMR endometrial carcinoma

- 4. Disease has progressed following prior systemic therapy (e.g., carboplatin/paclitaxel);
- 5. Member is not a candidate for curative surgery or radiation;
- 6.5. 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*).



\*Prescribed regimen must be FDA-approved or recommended by NCCN.

#### **Approval duration:**

**Medicaid**—6 months

#### N.O. 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  $\geq \frac{2 \text{ years} 6 \text{ months}}{1}$ ;
- Disease is unresectable or metastatic, and;
- 5. One of the following (a or b):
  - a. Disease has progressed following prior treatment;
  - b. Prescribed as a first-line therapy for ampullary adenocarcinoma or pancreatic adenocarcinoma;
- 4.6.Prescribed as a single agent;
- 5.7. 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;
  - 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*).
  - \*Prescribed regimen must be FDA-approved or recommended by NCCN.

#### **Approval duration:**

Medicaid—6 months

#### O.P. 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. Member is not a candidate for curative surgery or radiation;
- 4.5. Prescribed as a single agent;
- 5.6.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*). \**Prescribed regimen must be FDA-approved or recommended by NCCN*.

### Approval duration:

**Medicaid** 6 months

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

- 1. Diagnosis of TNBC (i.e., estrogen receptor/progesterone receptor [ER/PR] negative and 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 or b):



- a. Disease is high-risk early-stage (see Appendix F), and:
  - 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;
- Disease is locally recurrent unresectable or metastatic, and both of the following (i and ii):
  - i. Tumor expresses PD-L1 (CPS  $\geq$  10);
  - ii. Prescribed in combination with chemotherapy (e.g., paclitaxel, paclitaxel protein-bound, gemcitabine and carboplatin);
- 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):
    - 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*).

\*Prescribed regimen must be FDA-approved or recommended by NCCN.

#### **Approval duration:**

Medicaid 6 months

- **R. 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).\*

\*Prescribed regimen must be FDA-approved or recommended by NCCN.

**Approval duration:** 6 months

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

- 1. Diagnosis of one of the following (a or b):
  - a. Keytruda is prescribed as first-line or subsequent therapy:
    - i. Stage IIB or III mycosis fungoides;
    - $\underline{ii.} \ \ Stage \ IV \ Sezary \ syndrome;$
    - iii. Unresectable or metastatic adrenocortical carcinoma;
    - iv. Alveolar soft part sarcoma;
    - ii.v. Metastatic or unresectable thymic carcinoma, and prescribed as a single agent;
  - b. Keytruda is prescribed as single-agent subsequent therapy:
    - Metastatic anal carcinoma, and member has not previously received Keytruda or Opdivo;
    - ii. Gestational trophoblastic neoplasia;
    - iii. Malignant pleural mesothelioma
    - iv.iii. Extranodal NK/T-cell lymphoma; nasal type;
    - v. Metastatic or unresectable thymic carcinomas



- Advanced, recurrent, or metastatic PD-L1 positive (CPS ≥ 1) vulvar carcinoma;
- iv. Advanced, recurrent, or metastatic PD-L1-positive (CPS ≥ 1) vulvar carcinoma;
- v. Relapsed or refractory cutaneous anaplastic large cell lymphoma;
- vi. Relapsed or primary progressive small cell lung cancer;
- vi.vii. Endemic or classic Kaposi Sarcoma;
- 2. Prescribed by or in consultation with an oncologist;
- 3. Age  $\geq$  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).\*
  - \*Prescribed regimen must be FDA-approved or recommended by NCCN.

#### **Approval duration:**

Medicaid 6 months

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

- 1. RReIf this drug has recently (within the last 6 months) undergone a label change (e.g., newly approved indication, age expansion, new dosing regimen) that is not yet reflected in this policy, refer to LA.PMN.255one of the following policies (a or b):fer to the off-label use policy for if diagnosis is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized): LA.PMN.53 for Medicaid.
- 4-2.If the requested use (e.g., diagnosis, age, dosing regimen) is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized) AND criterion 1 above does not apply, refer to the off-label use policy LA.PMN.53
- H. efer to the off label use policy if diagnosis is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized): LA.PMN.53 for Medicaid.

#### **III.II.** Continued Therapy

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

- 1. Currently receiving medication via Louisiana Healthcare Connections benefit, or documentation supports that member is currently receiving Keytruda for a covered indication and has received this medication for at least 30 days;
- 2. Member is responding positively to therapy;
- 3. If request is for a dose increase, request meets one of the following (a, b, or c):\*
  - a. Adults (i, ii, iii, <del>or</del>-iv, <u>or v</u>):
    - i. Melanoma: New dose does not exceed 200 mg every 3 weeks or 400 mg every 6 weeks (for a maximum of 12 months if adjuvant treatment);
    - ii. High-risk, early-stage TNBC: New dose does not exceed 200 mg every 3 weeks or 400 mg every 6 weeks for a maximum of 24 weeks as neoadjuvant therapy and 27 weeks as adjuvant therapy;
    - <u>iii.</u> RCC monotherapy: New dose does not exceed 200 mg every 3 weeks or 400 mg every 6 weeks for a maximum of 12 months;
    - iv. NSCLC: New dose does not exceed 200 mg every 3 weeks or 400 mg every 6 weeks for a maximum duration of one of the following (a or b):

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a) 24 months;

12 months if adjuvant treatment;

iii.v. All other FDA-approved indications: New dose does not exceed 200 mg every 3 weeks or 400 mg every 6 weeks for a maximum of 24 months;

- b. Pediatrics (i or ii):
  - i. cHL, PMBCL, MSI-H or dMMR cancer, MCC, TMB-H cancer: New dose does not exceed 2 mg/kg up to 200 mg every 3 weeks for a maximum of 24
  - ii. Melanoma: New dose does not exceed 2 mg/kg up to 200 mg every 3 weeks for a maximum of 12 months;
- c. New dose is supported by practice guidelines or peer-reviewed literature for the relevant off-label use (prescriber must submit supporting evidence).

\*Prescribed regimen must be FDA-approved or recommended by NCCN.

### **Approval duration:**

Medicaid 12 months

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

- 1. EIf this drug has recently (within the last 6 months) undergone a label change (e.g., newly approved indication, age expansion, new dosing regimen) that is not yet reflected in this policy, refer to LA.PMN.255
- If the requested use (e.g., diagnosis, age, dosing regimen) is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized) AND criterion 1 above does not apply, refer to the off-label use policy LA.PMN.53

urrently receiving medication via Louisiana Healthcare Connections benefit and documentation supports positive response to therapy.

Approval duration: Duration of request or 6 months (whichever is less); or Refer to the off-label use policy if diagnosis is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized): LA.PMN.53 for Medicaid.

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

- A. Non-FDA approved indications, which are not addressed in this policy, unless there is sufficient documentation of efficacy and safety according to the off label use policy – LA.PMN.53-for Medicaid or evidence of coverage documents;
- **B.** Pediatric patients with MSI-H or TMB-H central nervous cancers.

#### **Y.IV.** Appendices/General Information

Appendix A: Abbreviation/Acronym Key ALK: anaplastic lymphoma kinase BCG: Bacillus Calmette-Guerin cHL: classical Hodgkin lymphoma

CIS: carcinoma in situ CNS: central nervous system CPS: combined positive score

CRC: colorectal cancer

cSCC: cutaneous squamous cell carcinoma dMMR: mismatch repair deficient

EGFR: epidermal growth factor receptor 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



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 TNBC: triple-negative breast cancer

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 for all relevant lines of business

and may require prior authorization.

Drug Name	Dosing Regimen	Dose Limit/ Maximum Dose
Section I.B: Non-Small Cell Lung Cancer  Examples of drugs used in combination with Keytruda:  Carboplatin, cisplatin, pemetrexed, paclitaxel  Examples of targeted therapies:  EGFR S768I, L861Q, and/or G719X targeted therapies:  afatinib, osimertinib, erlotinib, gefitinib, dacomitinib  EGFR exon 19 deletion or L858R targeted therapies:  erlotinib ± (ramucirumab or bevacizumab), afatinib,  gefitinib, osimertinib, dacomitinib  Sensitizing EGFR mutation: erlotinib, afatinib, gefitinib,  Osimertinib, dacomitinib  ALK mutation: crizotinib, ceritinib, alectinib, brigatinib  ROS1 mutationtargeted therapies: crizotinib, entrectinib,  ceritinib	Varies	Varies Varies
<u>ALK rearrangement targeted therapies: crizotinib, ceritinib, alectinib, brigatinib, lorlatinib</u>		
Section I.D: Classical Hodgkin Lymphoma Adults: Examples of chemotherapy regimens:  ABVD (doxorubicin, bleomycin, vinblastine, dacarbazine)  Stanford V (doxorubicin, vinblastine, mechlorethamine, etoposide, vincristine, bleomycin, prednisone)  BEACOPP (bleomycin, etoposide, doxorubicin, cyclophosphamide, vincristine, probarbazine, prednisone)  Brentuximab vedotin + AVD (doxorubicin, vinblastine, dacarbazine)  Pediatrics: Examples of chemotherapy regimens  AVPC (doxorubicin, vincristine, prednisone, cyclophosphamide)	Varies	Varies



Drug Name	Dosing Regimen	Dose Limit/ Maximum Dose
<ul> <li>ABVE-PC (doxorubicin, bleomycin, vincristine, etoposide, prednisone, cyclophosphamide)</li> <li>Brentuximab vedotin + bendamustine</li> <li>ICE (ifosfamide, carboplatin, etoposide)</li> </ul>		
Section I.E: Primary Mediastinal Large B-Cell Lymphoma 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*	Varies	Varies
*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.F: Urothelial Carcinoma TICE® BCG (attenuated, live culture preparation of the Bacillus of Calmette and Guerin strain of <i>Mycobacterium</i> 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: https://www.fda.gov/vaccines-blood-biologics/vaccines/tice-bcg	Varies	Varies
American Urological Association: Important message about the BCG shortage: https://www.auanet.org/about-us/bcg-shortage-info     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.H: Gastric, EGJ, and Esophageal Cancer 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.	Varies	Varies



Drug Name	Dosing Regimen	Dose Limit/ Maximum Dose
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	Varies	Varies
Section I.J: Hepatocellular Carcinoma Nexavar (sorafenib)	400 mg PO BID	800 mg/day
Section I.J: Hepatocellular Carcinoma Lenvima (lenvatinib)	12 mg PO QD (patients ≥ 60 kg) or 8 mg PO QD (patients < 60 kg)	12 mg/day
Section I.M: Endometrial Carcinoma Examples of chemotherapy regimens:*  • Carboplatin/paclitaxel, cisplatin/docetaxel, cisplatin/doxorubicin, carboplatin/paclitaxel/bevacizumab, carboplatin/paclitaxel/trastuzumab, ifosfamide/paclitaxel, cisplatin/fosfamide, everolimus/letrozole, temsirolimus, Keytruda (pembrolizumab)  *Individual drugs used in combination regimens may also be used as monotherapy (refer to NCCN Uterine Neoplasms Guidelines)	Varies	Varies

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.
- 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.

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

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

	Appendix E: Examples of Solid Tumors per Pivotal Trials by "N" (descending)			
MSI-H Solid Tumors	TMB-H Solid Tumors			
CRC	Small cell lung cancer			
Endometrial cancer	Cervical cancer			
Biliary cancer	Endometrial 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	Mesothelioma cancer			
Esophageal cancer				
Sarcoma				
Thyroid cancer				
Retroperitoneal adenocarcinoma				
Small cell lung cancer	<u>Additional examples – NCCN compendium</u> :			
Renal cell cancer	Adrenal tumor, ampullary adenocarcinoma,			
<u>Additional examples – NCCN compendium:</u>	breast cancer, chondroma, cutaneous			
Adrenal tumor, ampullary adenocarcinoma,	angiosarcoma, Ewing sarcoma,			
<u>cervical / vulvar / ovarian / fallopian tube /</u>	myxofibrosarcoma, nasopharynx cancer,			
primary peritoneal cancer, chondroma,	occult primary carcinoma, osteosarcoma,			
Ewing sarcoma, occult primary carcinoma,	pancreatic cancer, prostate cancer, testicular			
osteosarcoma, penile cancer, small bowel	cancer, undifferentiated sarcoma or			
adenocarcinoma, testicular cancer, vulvar	pleomorphic sarcoma			
cancer Adrenal gland tumor, cervical /				
vulvar / ovarian / fallopian tube / primary				
peritoneal cancer, penile cancer, testicular				
<del>cancer.</del>				

#### 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.

**VI.V.** Dosage and Administration

Indication	Dosing Regimen	Maximum Dose
Pediatrics	Dosing Regimen	Maximum Dosc
cHL, PMBCL, MSI-H or	2 mg/kg IV every 3 weeks up to 24	200 mg every 3
dMMR cancer, MCC, TMB-H	months	weeks
cancer		W COLLS
Melanoma	2 mg/kg IV every 3 weeks up to 12 months	200 mg every 3 weeks
Adults		
Melanoma	200 mg IV every 3 weeks OR 400 mg every 6 weeks If adjuvant therapy up to 12 months	200 mg every 3 weeks OR 400 mg every 6 weeks
NSCLC	200 mg IV every 3 weeks OR 400 mg every 6 weeks up to 24 months* OR up to 12 months for adjuvant treatment**  *As single-agent therapy or in combination with chemotherapy	200 mg every 3 weeks OR 400 mg every 6 weeks
	**As single-agent therapy	
NSCLC, HNSCC, cHL, PMBCL, urothelial carcinoma, MSI-H or dMMR cancer	200 mg IV every 3 weeks OR 400 mg every 6 weeks up to 24 months*	200 mg every 3 weeks OR 400 mg every 6 weeks
(including endometrial	*For cervical cancer, esophageal cancer,	every 6 weeks
carcinoma), gastric cancer, esophageal squamous cell carcinomacancer, cervical cancer, HCC, MCC, TMB-H cancer, cSCC	gastric cancer, or HNSCC: as single-agent therapy or in combination with chemotherapy. For urothelial carcinoma: as single-agent therapy or in combination with Padcev.	
BTC (combination therapy)	200 mg IV every 3 weeks OR 400 mg every 6 weeks in combination with gemcitabine and cisplatin up to 24 months	200 mg every 3 weeks OR 400 mg every 6 weeks
RCC (combination therapy)	200 mg IV every 3 weeks OR 400 mg every 6 weeks in combination with axitinib or lenvatinib up to 24 months	200 mg every 3 weeks OR 400 mg every 6 weeks



Indication	Dosing Regimen	Maximum Dose
RCC (monotherapy)	200 mg IV every 3 weeks OR 400 mg every 6 weeks for up to 12 months	200 mg every 3 weeks OR 400 mg
	every 6 weeks for up to 12 months	every 6 weeks
Non-MSI-H/pMMR	200_mg IV every 3 weeks OR 400_mg	200_mg every 3
eEndometrial carcinoma	every 6 weeks in combination with	weeks OR 400_mg
(combination therapy)	Lenvatinib up to 24 months	every 6 weeks
TNBC	<ul> <li>200 mg IV every 3 weeks OR 400 mg every 6 weeks* for the following durations:</li> <li>High-risk early-stage TNBC – neoadjuvant: 24 weeks</li> <li>High-risk early-stage TNBC – adjuvant: 27 weeks</li> <li>Locally recurrent unresectable metastatic TNBC: 24 months</li> </ul> *In combination with chemotherapy for high-risk early-stage TNBC when used as peaced in part treatment and for locally.	200 mg every 3 weeks OR 400 mg every 6 weeks
	neoadjuvant treatment and for locally recurrent unresectable or metastatic TNBC.	

### **VII.**VI. Product Availability

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

#### **VIII.**VII. References

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Whitehouse St

### **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.

Telliloursell	nent of covered services.
HCPCS	Description
Codes	
J9271	Injection, pembrolizumab, 1 mg

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Reviews, Revisions, and Approvals	Date	
		<u>Approval</u>
		Date
Converted corporate to local policy	01.21	04.28.21
FDA cHL label updated from relapsed disease after 3 lines of therapy	02.22	05.05.22
to after 1 line of therapy (adults) or 2 lines of therapy (pediatrics);		
new NCCN pediatric cHL guideline added to reference section; new		
FDAapproved TNBC indication added. Ad hoc change: for HCC,		
Lenvima added as a prior therapy option per NCCN.		
Criteria added for newly approved indications of 1) esophageal/GEJ		
junction carcinoma, 2) combo use for 1st line gastric or GEJ		
adenocarcinoma, 3) locally advanced cutaneous squamous cell		
carcinoma, and 4) high-risk early-stage TNBC; removed SCLC		
indication and criteria; updated FDA labeled indication for		
endometrial carcinoma to remove accelerated approval language and		
modified criteria to be consistent with FDA language; updated FDA		
labeled indication language for MSI-H/dMMR cancer;		
Criteria added for new FDA approved indication: RCC in		
combination with Lenvatinib; Updated FDA Approved Indication(s)		
section to reflect revised indication for metastatic urothelial		
carcinoma (removal of use in patients "who are not eligible for		
cisplatin-containing chemotherapy and whose tumors express PD-L1		
(CPS $\geq$ 10) as determined by an FDA-approved test") - no change to		
criteria required.		
Criteria added for new FDA approved indication: cervical cancer in		
combination with chemotherapy with or without bevacizumab.		
Criteria added for new FDA approved indication: adjuvant treatment		
of RCC.		



Reviews, Revisions, and Approvals	Date	<u>LDH</u>
		<u>Approval</u>
		Date
For melanoma criteria added per updated prescribing information for		
pediatric extension in stage III disease and new indications for both adults and pediatrics for stage IIB and IIC; for RCC clarified		
maximum dosing for initial and continued approvals to distinguish		
length of therapy for 12 months in monotherapy and 24 months for		
combination therapy.		
Removal of previously approved indication for usage as third-line	11 <del>06</del> .20	
monotherapy for PD-L1 positive gastric/GEJ cancer patients per	2.23	
updated prescribing information	2.23	
updated preserroing information		
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) and for use		
with gemcitabine and cisplatin for BTC; 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 S768I, 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 for adjuvant treatment; TMB-H cancer: added		
pathway for use as first-line for ampullary adenocarcinoma or		
pancreatic adenocarcinoma, added requirement for use as a single		
agent; off-label uses: 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		



Reviews, Revisions, and Approvals	Date	LDH Approval Date
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 nasal type specification; revised legacy.		
For endometrial carcinoma for use in combination with Lenvima, revised dMMR to pMMR per updated FDA approved indication.		
Added criteria for newly FDA approved indication of single-agent 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.		
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. Template changes applied to other diagnoses/indications.		
References reviewed and updated. Adjusted pediatric age from 2 years to 6 months per PI/KEYNOTE-051; for 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.		
Included Relapsed or primary progressive small cell lung cancer and Endemic or classic Kaposi Sarcoma to the NCCN off-label use single-agent therapy categories. Minor formatting changes.		

Important Reminder
This clinical policy has been developed by appropriately experienced and licensed health care professionals based on a review and consideration of currently available generally accepted



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