

**Clinical Policy: Nivolumab (Opdivo)** 

Reference Number: CP.PHAR.121

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Line of Business: Commercial, HIM, Medicaid

Coding Implications
Revision Log

See <u>Important Reminder</u> at the end of this policy for important regulatory and legal information.

# **Description**

Nivolumab (Opdivo®) is a programmed death receptor-1 (PD-1) blocking antibody.

# FDA Approved Indication(s)

Opdivo is indicated for the treatment of:

#### • Melanoma

- o Adult and pediatric (12 years and older) patients with unresectable or metastatic melanoma, as a single agent or in combination with ipilimumab.
- Adult and pediatric (12 years and older) patients with completely resected Stage IIB,
   Stage IIC, Stage III, or Stage IV melanoma, in the adjuvant setting.

## • Non-small cell lung cancer (NSCLC)

- O Adult patients with resectable (tumors  $\geq$  4 cm or node positive) NSCLC in the neoadjuvant setting, in combination with platinum-doublet chemotherapy.
- Adult patients with metastatic NSCLC expressing PD-L1 (≥1%) as determined by an FDA-approved test, with no EGFR or ALK genomic tumor aberrations, as first-line treatment in combination with ipilimumab.
- Adult patients with metastatic or recurrent NSCLC with no EGFR or ALK genomic tumor aberrations as first-line treatment, in combination with ipilimumab and 2 cycles of platinum-doublet chemotherapy.
- Adult patients with metastatic NSCLC and progression on or after platinum-based chemotherapy. Patients with EGFR or ALK genomic tumor aberrations should have disease progression on FDA-approved therapy for these aberrations prior to receiving Opdivo.

# • Malignant pleural mesothelioma

o Adult patients with unresectable malignant pleural mesothelioma, as first-line treatment in combination with ipilimumab.

## • Renal cell carcinoma (RCC)

- Adult patients with advanced renal cell carcinoma (RCC) who have received prior antiangiogenic therapy.
- o Adult patients with advanced renal cell carcinoma, as a first-line treatment in combination with cabozantinib.
- o Adult patients with intermediate or poor risk advanced RCC, as a first-line treatment in combination with ipilimumab.



## • Classical Hodgkin lymphoma (cHL)

- o Adult patients with cHL that has relapsed or progressed after:\*
  - autologous hematopoietic stem cell transplantation (HSCT) and brentuximab vedotin,
     or
  - 3 or more lines of systemic therapy that includes autologous HSCT.

### • Squamous cell carcinoma of the head and neck (SCCHN)

o Adult patients with recurrent or metastatic SCCHN with disease progression on or after a platinum-based therapy.

# • Urothelial carcinoma (UC)

- Adjuvant treatment of adult patients with UC who are at high risk of recurrence after undergoing radical resection of UC.
- o Adult patients with locally advanced or metastatic UC who:\*
  - have disease progression during or following platinum-containing chemotherapy, or
  - have disease progression within 12 months of neoadjuvant or adjuvant treatment with platinum-containing chemotherapy.

### • Colorectal cancer

O Adult and pediatric (12 years and older) patients with microsatellite instability-high (MSI-H) or mismatch repair deficient (dMMR) metastatic colorectal cancer (CRC) that has progressed following treatment with a fluoropyrimidine, oxaliplatin, and irinotecan, as a single agent or in combination with ipilimumab.\*

## • Hepatocellular carcinoma (HCC)

 Adult patients with HCC who have been previously treated with sorafenib in combination with ipilimumab.\*

## • Esophageal cancer

- As adjuvant treatment in adult patients with completely resected esophageal or gastroesophageal junction cancer with residual pathologic disease who have received neoadjuvant chemoradiotherapy (CRT).
- o In combination with fluoropyrimidine- and platinum-containing chemotherapy for the first-line treatment of adult patients with unresectable advanced or metastatic esophageal squamous cell carcinoma (ESCC).
- o In combination with ipilimumab for the first-line treatment of adult patients with unresectable advanced or metastatic ESCC.
- o Adult patients with unresectable advanced, recurrent or metastatic ESCC after prior fluoropyrimidine- and platinum-based chemotherapy.

### Gastric cancer, gastroesophageal junction cancer, and esophageal adenocarcinoma

 Adult patients with advanced or metastatic gastric cancer, gastroesophageal junction cancer, and esophageal adenocarcinoma in combination with fluoropyrimidine- and platinum-containing chemotherapy.

#### Policy/Criteria

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

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



It is the policy of health plans affiliated with Centene Corporation<sup>®</sup> that Opdivo is **medically necessary** when the following criteria are met:

# I. Initial Approval Criteria

# A. Melanoma (must meet all):

- 1. Diagnosis of melanoma that is either (a or b):
  - a. Unresectable or metastatic;
  - b. Resected stage IIB, IIC, or III;
- 2. Prescribed by or in consultation with an oncologist;
- 3. Age  $\geq$  12 years;
- 4. Request meets one of the following (a, b, or c):\*
  - a. If prescribed as monotherapy (unresectable or metastatic disease, or adjuvant treatment), dose does not exceed any of the following (i or ii):
    - i. Adult and pediatric members weighing ≥ 40 kg: 240 mg every 2 weeks or 480 mg every 4 weeks;
    - ii. Pediatric members weighing < 40 kg: 3 mg/kg every 2 weeks or 6 mg/kg every 4 weeks (see Appendix E for dose rounding guidelines);
  - b. If prescribed in combination with Yervoy® (unresectable or metastatic disease), dose does not exceed any of the following (i or ii; *see Appendix E for dose rounding guidelines*):
    - i. Adult and pediatric members weighing ≥ 40 kg: 1 mg/kg every 3 weeks for 4 doses, followed by 240 mg every 2 weeks or 480 mg every 4 weeks;
    - ii. Pediatric members weighing < 40 kg: 1 mg/kg every 3 weeks for 4 doses, followed by 3 mg/kg every 2 weeks or 6 mg/kg every 4 weeks;
  - 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: 6 months**

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

- 1. Diagnosis of resectable, recurrent, advanced, or metastatic NSCLC;
- 2. Prescribed by or in consultation with an oncologist;
- 3. Age > 18 years;
- 4. Member has not previously progressed on a PD-1/PD-L1 inhibitor (e.g., Keytruda<sup>®</sup>, Tecentriq<sup>®</sup>, Imfinzi<sup>®</sup>);
- 5. For resectable NSCLC: Both of the following are met (a and b):
  - a. Opdivo is prescribed as neoadjuvant treatment;
  - b. Tumors  $\geq$  4 cm or node positive disease;
- 6. For recurrent, advanced, or metastatic NSCLC: Opdivo is prescribed in one of the following ways (a, b, or c):
  - a. For use as a single agent, and disease has progressed on or after systemic therapy;
  - b. For use as a single agent or in combination with Yervoy for tumors positive for the Tumor Mutation Burden (TMB) biomarker;
  - c. For use in combination with Yervoy, and both of the following (i and ii):
    - i. Request meets one of the following (a, b, or c):



- a) Disease mutation status is unknown or negative for EGFR, ALK, ROS1, BRAF, MET exon 14 skipping, and RET, and member has not received prior systemic therapy for advanced disease;
- b) Disease mutation status is positive for EGFR, ALK, ROS1, BRAF, MET exon 14 skipping, RET, or NTRK gene fusion, and member has received mutation-specific treatment;
- c) Disease is positive for a RET rearrangement;
- ii. Request meets one of the following (a or b):
  - a) Member has PD-L1 tumor expression of  $\geq 1\%$ ;
  - b) Opdivo is being used in combination with Yervoy  $\pm$  a platinum-based regimen (*see Appendix B*);

\*Prior authorization may be required for Yervoy

- 7. Request meets one of the following (a, b, c, d, or e):\*
  - a. Monotherapy: Dose does not exceed 240 mg every 2 weeks or 480 mg every 4 weeks;
  - b. In combination with Yervoy: Dose does not exceed 3 mg/kg every 2 weeks (see *Appendix E for dose rounding guidelines*);
  - c. In combination with Yervoy and platinum-doublet chemotherapy: Dose does not exceed 360 mg every 3 weeks;
  - d. In combination with platinum-doublet chemotherapy, both of the following are met (i and ii):
    - i. Dose does not exceed 360 mg every 3 weeks;
    - ii. Request does not exceed 3 cycles;
  - e. 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** (9 weeks for neoadjuvant NSCLC)

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

- 1. Diagnosis of unresectable malignant pleural mesothelioma;
- 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. As first-line therapy in combination with Yervoy;
  - b. If not administered first-line, as subsequent therapy in combination with Yervoy or as a single agent;
- 5. Request meets one of the following (a or b):\*
  - a. Dose does not exceed 360 mg every 3 weeks;
  - 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**

#### **D. 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. Request meets one of the following (a, b, or c):\*
  - a. Monotherapy or in combination with cabozantinib: Dose does not exceed 240 mg every 2 weeks or 480 mg every 4 weeks;
  - b. In combination with Yervoy: Dose does not exceed 3 mg/kg every 3 weeks for 4 doses, followed by 240 mg every 2 weeks or 480 mg every 4 weeks (*see Appendix E for dose rounding guidelines*);
  - 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: 6 months**

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

- 1. Diagnosis of relapsed, refractory or progressive cHL;
- 2. Prescribed by or in consultation with an oncologist;
- 3. Age  $\geq$  18 years;
- 4. Prescribed as subsequent therapy;
- 5. Request meets one of the following (a or b):\*
  - a. Dose does not exceed 240 mg every 2 weeks or 480 mg every 4 weeks;
  - 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**

## F. Squamous Cell Carcinoma of the Head and Neck (must meet all):

- 1. Diagnosis of SCCHN;
- 2. Prescribed by or in consultation with an oncologist;
- 3. Age  $\geq$  18 years;
- 4. Prescribed as a single agent;
- 5. Disease has progressed on or after a platinum-containing regimen (e.g., cisplatin, carboplatin);
- 6. Request meets one of the following (a or b):\*
  - a. Dose does not exceed 240 mg every 2 weeks or 480 mg every 4 weeks;
  - 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**

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

- 1. Diagnosis of UC;
- 2. Prescribed by or in consultation with an oncologist;
- 3. Age  $\geq$  18 years;
- 4. One of the following (a, b, or c):
  - a. Failure of a platinum-containing regimen (e.g., cisplatin, carboplatin), unless clinically significant adverse effects are experienced or all are contraindicated;
  - b. Prescribed as adjuvant treatment and member is at high risk of recurrence after undergoing resection of UC;



- c. Member is at high risk of recurrence and did not previously receive a platinum-containing regimen;
- 5. Request meets one of the following (a or b):\*
  - a. Dose does not exceed 240 mg every 2 weeks or 480 mg every 4 weeks;
  - 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**

#### H. Colorectal Cancer (must meet all):

- 1. Diagnosis of unresectable or metastatic CRC;
- 2. Tumor is characterized as MSI-H or dMMR;
- 3. Prescribed by or in consultation with an oncologist;
- 4. Age  $\geq$  12 years;
- 5. Dose does not exceed one of the following (a, b, or c):\*
  - a. Monotherapy: 240 mg every 2 weeks;
  - b. In combination with Yervoy: 3 mg/kg every 3 weeks for 4 doses, then 240 mg every 2 weeks or 480 mg every 4 weeks (*see Appendix E for dose rounding guidelines*);
  - 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: 6 months

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

- 1. Diagnosis of HCC;
- 2. Prescribed by or in consultation with an oncologist;
- 3. Age  $\geq$  18 years;
- 4. Member has had disease progression following treatment with Nexavar<sup>®</sup>, Lenvima<sup>®</sup>, Tecentriq<sup>®</sup> + bevacizumab (*Mvasi*<sup>®</sup> and *Zirabev*<sup>™</sup> are preferred), or Imfinzi<sup>®</sup>; \*Prior authorization may be required for Nexavar, Lenvima, Tecentriq, bevacizumab, and Imfinzi.
- 5. Prescribed in combination with Yervoy;
- 6. Documentation of Child-Pugh Class A status;
- 7. Dose does not exceed one of the following (a or b):\*
  - a. In combination with Yervoy: 1 mg/kg every 3 weeks for 4 doses, then 240 mg every 2 weeks or 480 mg every 4 weeks (*see Appendix E for dose rounding guidelines*);
  - 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**

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

- 1. Diagnosis of one of the following (a or b):
  - a. Completely resected esophageal cancer or gastroesophageal junction (esophagogastric junction; EGJ) cancer;
  - b. Unresectable advanced, recurrent, or metastatic ESCC;



- 2. Prescribed by or in consultation with an oncologist;
- 3. Age  $\geq$  18 years;
- 4. For completely resected esophageal cancer or EGJ cancer, member meets both of the following (a and b):
  - a. Member has residual pathologic disease;
  - b. Member has previously received CRT;
- 5. For ESCC, one of the following (a or b):
  - a. For unresectable advanced or metastatic disease: Prescribed in combination with Yervoy or with fluoropyrimidine- and platinum-containing chemotherapy;
  - b. For unresectable advanced, recurrent, or metastatic disease: Member has had previous treatment with a fluoropyrimidine-based (e.g., 5-fluorouracil, capecitabine) and platinum-based (e.g., carboplatin, cisplatin, oxaliplatin) chemotherapy;
- 6. Request meets one of the following (a, b, or c):\*
  - a. ESCC in combination with Yervoy: Dose does not exceed 3 mg/kg every 2 weeks or 360 mg every 3 weeks;
  - b. Other indications: Dose does not exceed 240 mg every 2 weeks or 480 mg every 4 weeks;
  - 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: 6 months**

## K. Gastric and Esophageal Adenocarcinomas (must meet all):

- 1. Diagnosis of gastric cancer, EGJ cancer, or esophageal adenocarcinoma;
- 2. Member meets one of the following (a or b):
  - a. Disease is advanced, recurrent, or metastatic;
  - b. For EGJ cancer or esophageal adenocarcinoma: member meets one of the following (i or ii):
    - i. Member is post-operative following chemoradiation;
    - ii. Disease is advanced, recurrent, or metastatic;
- 3. Prescribed by or in consultation with an oncologist;
- 4. Age  $\geq$  18 years;
- 5. For advanced, recurrent, or metastatic disease: both of the following are met (a and b):
  - a. Prescribed in combination with a fluoropyrimidine- (e.g., 5-fluorouracil, capecitabine) and platinum-containing (e.g., carboplatin, cisplatin, oxaliplatin) chemotherapy;
  - b. Disease is HER2-negative;
- 6. Request meets one of the following (a or b):\*
  - a. Dose does not exceed 240 mg every 2 weeks or 360 mg every 3 weeks;
  - 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**



# L. Off-label NCCN Compendium Recommended Indications (must meet all):

- 1. Diagnosis of one of the following (a-o):
  - a. Squamous cell anal carcinoma that is metastatic;
  - b. Merkel cell carcinoma;
  - c. Gestational trophoblastic neoplasia;
  - d. Uveal melanoma that is metastatic;
  - e. Small bowel adenocarcinoma that is advanced or metastatic;
  - f. Extranodal NK/T-cell lymphoma, nasal type, that is relapsed or refractory;
  - g. Pediatric Hodgkin lymphoma, as subsequent therapy;
  - h. Vulvar cancer HPV-related advanced, recurrent, or metastatic disease, as second-line treatment;
  - i. Cervical cancer;
  - j. Endometrial carcinoma that is recurrent or metastatic;
  - k. Small cell lung cancer, as subsequent therapy;
  - 1. Bone cancer (e.g., Ewing Sarcoma, chordoma, osteosarcoma, chondrosarcoma);
  - m. Central nervous system (CNS) cancer (e.g., brain metastases);
  - n. Pediatric primary mediastinal large B-cell lymphoma;
  - o. Pediatric diffuse high-grade gliomas;
- 2. Prescribed by or in consultation with an oncologist;
- 3. For anal carcinoma: prescribed as second line or subsequent therapy (examples of prior therapy include 5-FU/cisplatin, carboplatin/paclitaxel, FOLFOX, FOLFCIS);
- 4. For gestational trophoblastic neoplasia: prescribed as a single agent for multi-agent chemotherapy-resistant disease (*see Appendix B*) in one of the following settings (a or b):
  - a. Recurrent or progressive intermediate trophoblastic tumor following treatment with a platinum-containing regimen (e.g., cisplatin, carboplatin);
  - b. High-risk disease (see Appendix D);
- 5. For pediatric primary mediastinal large B-cell lymphoma: prescribed as one of the following (a or b):
  - a. As a single agent as second line therapy after failure of induction therapy/initial treatment (*see appendix B*);
  - b. Combination with brentuximab vedotin as consolidation/additional therapy;
- 6. For pediatric diffuse high-grade gliomas: prescribed as a single agent for adjuvant therapy or for recurrent/progressive disease;
- 7. For uveal melanoma, bone cancer, CNS cancer: prescribed as a single agent or in combination with Yervoy;
  - \*Prior authorization may be required for Yervoy.
- 8. For cervical cancer: prescribed as second line or subsequent therapy for PD-L1 tumor expression of  $\geq 1\%$ ;
- 9. 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



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

- 1. If 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 one of the following policies (a or b):
  - a. For drugs on the formulary (commercial, health insurance marketplace) or PDL (Medicaid), the no coverage criteria policy for the relevant line of business:
     CP.CPA.190 for commercial, HIM.PA.33 for health insurance marketplace, and CP.PMN.255 for Medicaid; or
  - b. For drugs NOT on the formulary (commercial, health insurance marketplace) or PDL (Medicaid), the non-formulary policy for the relevant line of business: CP.CPA.190 for commercial, HIM.PA.103 for health insurance marketplace, and CP.PMN.16 for Medicaid; or
- 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 for the relevant line of business: CP.CPA.09 for commercial, HIM.PA.154 for health insurance marketplace, and CP.PMN.53 for Medicaid.

## **II. Continued Therapy**

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

- 1. Currently receiving medication via Centene benefit, or documentation supports that member is currently receiving Opdivo 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, c, d, e, or f):\*
  - a. NSCLC in combination with Yervoy: New dose does not exceed 3 mg/kg every 2 weeks;
  - b. Malignant pleural mesothelioma in combination with Yervoy, and gastric and esophageal adenocarcinomas: New dose does not exceed 360 mg every 3 weeks;
  - c. ESCC in combination with Yervoy: New dose does not exceed 3 mg/kg every 2 weeks or 360 mg every 3 weeks;
  - d. Melanoma (i or ii):
    - i. If prescribed as monotherapy (unresectable or metastatic disease, or adjuvant treatment), new dose does not exceed any of the following (a or b):
      - a) Adult and pediatric members weighing ≥ 40 kg: 240 mg every 2 weeks or 480 mg every 4 weeks;
      - b) Pediatric members weighing < 40 kg: 3 mg/kg every 2 weeks or 6 mg/kg every 4 weeks;
    - ii. If prescribed in combination with Yervoy (unresectable or metastatic disease), new dose does not exceed any of the following (a or b):
      - a) Adult and pediatric members weighing ≥ 40kg: 1 mg/kg every 3 weeks for 4 doses, followed by 240 mg every 2 weeks or 480 mg every 4 weeks;
      - b) Pediatric members weighing < 40 kg: 1 mg/kg every 3 weeks for 4 doses, followed by 3 mg/kg every 2 weeks or 6 mg/kg every 4 weeks;



- e. Other indications: New dose does not exceed 240 mg every 2 weeks or 480 mg every 4 weeks;
- f. 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: 12 months**

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

- 1. If 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 one of the following policies (a or b):
  - a. For drugs on the formulary (commercial, health insurance marketplace) or PDL (Medicaid), the no coverage criteria policy for the relevant line of business: CP.CPA.190 for commercial, HIM.PA.33 for health insurance marketplace, and CP.PMN.255 for Medicaid; or
  - b. For drugs NOT on the formulary (commercial, health insurance marketplace) or PDL (Medicaid), the non-formulary policy for the relevant line of business: CP.CPA.190 for commercial, HIM.PA.103 for health insurance marketplace, and CP.PMN.16 for Medicaid; or
- 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 for the relevant line of business: CP.CPA.09 for commercial, HIM.PA.154 for health insurance marketplace, and CP.PMN.53 for Medicaid.

# 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 policies – CP.CPA.09 for commercial, HIM.PA.154 for health insurance marketplace, and CP.PMN.53 for Medicaid, or evidence of coverage documents.

### IV. Appendices/General Information

Appendix A: Abbreviation/Acronym Key

ALK: anaplastic lymphoma kinase

BRAF: B-Raf proto-oncogene,

serine/threonine kinase

CHL: classic Hodgkin lymphoma

CNS: central nervous system

CRC: colorectal cancer

dMMR: mismatch repair deficient

EGFR: epidermal growth factor receptor

EGJ: esophagogastric junction ESCC: esophageal squamous cell

carcinoma

FDA: Food and Drug Administration

HCC: hepatocellular carcinoma

HER-2: human epidermal growth factor

receptor-2

HSCT: hematopoietic stem cell

transplantation

MET: mesenchymal-epithelial transition MSI-H: microsatellite instability-high

NSCLC: non-small cell lung cancer

PD-1: programmed death receptor-1 PD-L1: programmed death-ligand 1

RCC: renal cell carcinoma

ROS1: ROS proto-oncogene 1 SCLC: small cell lung cancer

TMB: tumor mutational burden



UC: urothelial carcinoma

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
Nexavar (sorafenib)	HCC: 400 mg PO BID until clinical benefit ceases or unacceptable toxicity occurs	800 mg/day
Lenvima (lenvatinib)	HCC: 12 mg PO QD (patients ≥ 60 kg) or 8 mg PO QD (patients < 60 kg) until disease progression or unacceptable toxicity	12 mg/day
Tecentriq (atezolizumab) + bevacizumab (Avastin®, Mvasi, Zirabev)	HCC Tecentriq: 840 mg IV every 2 weeks, 1,200 mg IV every 3 weeks, or 1,680 mg IV every 4 weeks Bevacizumab: 15 mg/kg IV every 3 weeks	See regimen
Imfinzi (durvalumab)*	HCC Varies	Varies
First-line therapies (e.g., 5- FU/cisplatin, carboplatin/paclitaxel, FOLFOX, FOLFCIS)	Metastatic anal carcinoma: Varies	Varies
First-line therapies (e.g., platinum/etoposide-containing regimen)	Gestational trophoblastic neoplasia: Varies	Varies
platinum-containing regimens	NSCLC – squamous cell carcinoma: paclitaxel + carboplatin dose varies	Varies
	NSCLC – nonsquamous cell carcinoma: pemetrexed + [carboplatin or cisplatin] dose varies	
	UC, SCCHN: Varies	
Multiagent chemotherapy regimens examples: EMA/CO (etoposide, methotrexate, dactinomycin/cyclophosphamide, vincristine), EMA/EP (etoposide,	Gestational Trophoblastic Neoplasia: Varies	Varies



Drug Name	Dosing Regimen	Dose Limit/ Maximum Dose
methotrexate, dactinomycin/etoposide, cisplatin)		
Dose-adjusted-EPOCH-R, R-CHOP with radiation therapy, or LMB-modified B/C chemotherapy with rituximab	Pediatric primary mediastinal large B-cell lymphoma: Varies	Varies
Yervoy (ipilimumab)	Melanoma, HCC: 3 mg/kg IV every 3 weeks for a maximum of 4 doses  RCC, CRC: 1 mg/kg IV every 3 weeks for a maximum of 4 doses	See regimen
	NSCLC, malignant pleural mesothelioma, ESCC: 1 mg/kg IV every 6 weeks	

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.
\*Off-label

# Appendix C: Contraindications/Boxed Warnings None reported

# Appendix D: General Information

 High-risk disease in gestational trophoblastic neoplasia is defined as having a FIGO stage IV or a prognostic score ≥ 7

o FIGO staging system:

Stage	Criteria
Ι	Tumor confined to uterus
II	Tumor extends to other genital structures (ovary, tube, vagina, broad
	ligaments) by metastasis or direct extension
III	Lung metastasis
IV	All other distant metastases

o Prognostic Scoring Index

The total score is obtained by adding the individual scores for each prognostic factor (low risk is indicated by a score < 7 and high risk is indicated by a score ≥ 7)</p>

Prognostic factor	Risk score			
	0	1	2	4
Age (years)	< 40	≥ 40		
Antecedent	Hydatidiform	Abortion	Term pregnancy	
pregnancy	mole			



Prognostic factor	Risk score			
	0	1	2	4
Interval from index pregnancy (months)	< 4	4 to 6	7 to 12	>12
Pretreatment hCG (IU/L)	< 10 <sup>3</sup>	$10^3 \text{ to} < 10^4$	$10^4 \text{ to } 10^5$	$\geq 10^5$
Largest tumor size, including uterus (cm)	< 3	3 to 5	> 5	
Site of metastases	Lung	Spleen, kidney	Gastrointestinal tract	Brain, liver
Number of metastases identified	0	1 to 4	5 to 8	> 8
Previous failed chemotherapy			Single drug	Two or more drugs
Total score				

Appendix E: Dose Rounding Guidelines\*

Weight-based Dose Range	Vial Quantity Recommendation
≤41.99 mg	1 vial of 40 mg/4 mL
42 mg-104.99 mg	1 vial of 100 mg/10 mL
105 mg-146.99 mg	1 vial of 40 mg/4 mL and 100 mg/10 mL
147 mg-209.99 mg	2 vials of 100 mg/10 mL
210 mg-251.99 mg	1 vial of 240 mg/24 mL
260 mg-293.99 mg	1 vial of 40 mg/4 mL and 240 mg/24 mL
294 mg-356.99 mg	1 vial of 100 mg/4 mL and 240 mg/24 mL
357 mg-503.99 mg	2 vials of 240 mg/24 mL

<sup>\*</sup>This is part of a dose rounding guideline on select drug classes as part of an initiative conducted on a larger scale with multiple references and prescriber feedback.

V. Dosage and Administration

Indication	Dosing Regimen	<b>Maximum Dose</b>
Melanoma (unresectable or metastatic)	<ul> <li>Monotherapy:         <ul> <li>Adult and pediatric patients weighing ≥ 40 kg: 240 mg IV every 2 weeks or 480 mg IV every 4 weeks</li> </ul> </li> <li>Pediatric patients weighing &lt; 40 kg: 3 mg/kg IV every 2 weeks or 6 mg/kg IV every 4 weeks</li> </ul>	See regimen



Indication	Dosing Regimen	<b>Maximum Dose</b>
	<ul> <li>With ipilimumab:</li> <li>Adult and pediatric patients weighing ≥ 40 kg: 1 mg/kg IV, followed by ipilimumab on the same day, every 3 weeks for 4 doses, then nivolumab 240 mg IV every 2 weeks or 480 mg IV every 4 weeks</li> <li>Pediatric patients weighing &lt; 40 kg: 1 mg/kg IV, followed by ipilimumab on the same day, every 3 weeks for 4 doses, then nivolumab 3 mg/kg IV every 3 weeks or 6 mg/kg mg IV every 6 weeks</li> </ul>	
Melanoma (adjuvant treatment)	<ul> <li>Adult and pediatric patients weighing ≥ 40 kg: 240 mg IV every 2 weeks or 480 mg IV every 4 weeks</li> <li>Pediatric patients weighing &lt; 40 kg: 3 mg/kg IV every 2 weeks or 6 mg/kg IV every 4 weeks</li> </ul>	See regimen
RCC - advanced with previous anti- angiogenic therapy, cHL, SCCHN, UC	240 mg IV every 2 weeks or 480 mg IV every 4 weeks	480 mg/dose
MSI-H/dMMR CRC	Monotherapy: 240 mg IV every 2 weeks or 480 mg IV every 4 weeks  With ipilimumab: 3 mg/kg IV, followed by ipilimumab 1 mg/kg on the same day every 3 weeks for 4 doses, then nivolumab 240 mg IV every 2 weeks or 480 mg IV every 4 weeks	Monotherapy: 480 mg/dose With ipilimumab: 3 mg/kg/dose
RCC - advanced previously untreated	Monotherapy or with cabozantinib: 240 mg IV every 2 weeks or 480 mg every 4 weeks  With ipilimumab: 3 mg/kg IV, followed by ipilimumab 1 mg/kg IV on the same day every 3 weeks for 4 doses, then nivolumab 240 mg IV every 2 weeks or 480 mg IV every 4 weeks	480 mg/dose
HCC	With ipilimumab: nivolumab 1 mg/kg IV, followed by ipilimumab 3 mg/kg IV on the same day, every 3 weeks for a maximum of 4 doses, then as single-agent nivolumab 240 mg IV every 2 weeks or 480 mg IV every 4 weeks until disease progression or unacceptable toxicity	480 mg/dose



Indication	Dosing Regimen	<b>Maximum Dose</b>
NSCLC	Monotherapy: 240 mg IV every 2 weeks or 480	Monotherapy:
	mg IV every 4 weeks until disease progression	480 mg/dose
	or unacceptable toxicity	
		With ipilimumab:
	With ipilimumab: nivolumab 3 mg/kg IV every	3 mg/kg/dose
	2 weeks and ipilimumab 1 mg/kg IV every 6	
	weeks until disease progression, unacceptable	With platinum-
	toxicity, or for up to 2 years in patients without	doublet with or
	disease progression	without
		ipilimumab: 360
	With ipilimumab and platinum-doublet	mg/dose
	chemotherapy: nivolumab 360 mg IV every 3	
	weeks and ipilimumab 1 mg/kg IV every 6 weeks and histology-based platinum-doublet	
	chemotherapy every 3 weeks for 2 cycles until	
	disease progression, unacceptable toxicity, or up	
	to 2 years in patients without disease progression	
	to 2 years in patients without disease progression	
	With platinum-doublet chemotherapy:	
	nivolumab 360 mg IV every 3 weeks with	
	platinum-doublet chemotherapy on the same day	
	every 3 weeks for 3 cycles	
Esophageal cancer	Adjuvant treatment of resected esophageal or	See regimen
	GEJ cancer: 240 mg IV every 2 weeks or 480	
	mg IV every 4 weeks for a total treatment	
	duration of 1 year	
	ESCC: until disease progression, unacceptable	
	toxicity, or up to 2 years:	
	As a single agent or in combination with	
	fluoropyrimidine- and platinum- containing	
	chemotherapy: 240 mg every 2 weeks or 480	
	mg every 4 weeks	
	• In combination with ipilimumab: nivolumab	
	3 mg/kg every 2 weeks or 360 mg every 3	
	weeks with ipilimumab 1 mg/kg every 6	
	weeks	
Gastric cancer, EGJ	240 mg every 2 weeks or 360 mg every 3 weeks	360 mg/dose
cancer, and		
esophageal		
adenocarcinoma	W. 1 . 1 . 1 . 2 . 2 . 2	XX 7 '.1 ' '1' 4
Malignant pleural	With ipilimumab: nivolumab 360 mg every 3	With ipilimumab:
mesothelioma	weeks and ipilimumab 1 mg/kg every 6 weeks	360 mg/dose



## VI. Product Availability

Single-dose vials: 40 mg/4 mL, 100 mg/10 mL, 120 mg/12 mL, 240 mg/24 mL

#### VII. References

- 1. Opdivo Prescribing Information. Princeton, NJ: Bristol-Myers Squibb; October 2023. Available at https://www.opdivo.com/. Accessed October 30, 2023.
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- 13. National Comprehensive Cancer Network. Melanoma: Cutaneous, Version 3.2023. Available at: https://www.nccn.org/professionals/physician\_gls/pdf/cutaneous\_melanoma.pdf. Accessed October 30, 2023.



# **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.

	Description
Codes	
J9299	Injection, nivolumab, 1 mg

Reviews, Revisions, and Approvals	Date	P&T Approval Date
1Q 2019 annual review; ages adjusted per PI to 18 and older for all indications except CRC; melanoma - brain metastasis is deleted and incorporated under a diagnosis of melanoma; for NSCLC, progression on platinum therapy changed to progression on systemic therapy to encompass progression on first-line targeted therapy per PI and NCCN; off-label NCCN recommended trophoblastic tumor is added; dMMR/MSI-H metastatic rectal cancer removed from off-label section as it is represented under the CRC labeled use; for RCC, combination dosing with Yervoy added per PI; references reviewed and updated.	11.13.18	02.19
Added Commercial line of business to policy.	10.08.19	
1Q 2020 annual review: added HIM line of business; added off-label use in malignant pleural mesothelioma per NCCN recommendation update from category 2B to category 2A; added requirement for use in anal carcinoma as second line or subsequent therapy; added requirement for use in gestational trophoblastic neoplasia following a platinum/etoposide-containing regimen or in methotrexate-resistant, high-risk disease; removed HIM NF disclaimer statements; references reviewed and updated.	12.03.19	02.20
Added appendix E: dose rounding guidelines; added reference to appendix E within criteria; added FDA-labeled indication of HCC in combination with Yervoy; added NCCN compendium-supported indication of uveal melanoma as a single agent or in combination with Yervoy.	04.04.20	05.20
Updated HCC criteria to include no previous treatment with a checkpoint inhibitor based on NCCN recommendation; added criteria for FDA-labeled indications of NSCLC & ESCC; updated SCLC indication for optional use in combination with ipilimumab per updated NCCN compendium; added NCCN compendium-supported indications of small bowel adenocarcinoma and T-cell lymphoma.	06.23.20	08.20
RT4: FDA approved malignant pleural mesothelioma added. 1Q 2021 annual review: per FDA/NCCN as follows: for melanoma, unresectable, metastatic, or lymph node positive disease added; for NSCLC, single-agent therapy for TMB positive tumor added,	02.03.21	02.21



Date	P&T
	Approval
	Date
05.11.21	
06.30.21	
09.02.21	
11.23.21	02.22
04.05.22	
06.01.22	
09.30.22	
	02.23
01.23.23	
	05.11.21 06.30.21 09.02.21 11.23.21



Reviews, Revisions, and Approvals	Date	P&T Approval Date
updated Appendix D to simplify definition of high-risk disease in		
GTN to mirror the 2023 NCCN GTN guidelines; consolidated legacy		
WellCare initial auth durations from 12 months to 6 months per		
standard Medicaid approach; references reviewed and updated.		
RT4: updated criteria for melanoma to reflect FDA approved pediatric	03.16.23	
age extension; updated Appendix B.		
RT4: updated indication and criteria for the treatment of melanoma in	10.31.23	
the adjuvant setting.		

### **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 standards of medical practice; peer-reviewed medical literature; government agency/program approval status; evidence-based guidelines and positions of leading national health professional organizations; views of physicians practicing in relevant clinical areas affected by this clinical policy; and other available clinical information. The Health Plan makes no representations and accepts no liability with respect to the content of any external information used or relied upon in developing this clinical policy. This clinical policy is consistent with standards of medical practice current at the time that this clinical policy was approved. "Health Plan" means a health plan that has adopted this clinical policy and that is operated or administered, in whole or in part, by Centene Management Company, LLC, or any of such health plan's affiliates, as applicable.

The purpose of this clinical policy is to provide a guide to medical necessity, which is a component of the guidelines used to assist in making coverage decisions and administering benefits. It does not constitute a contract or guarantee regarding payment or results. Coverage decisions and the administration of benefits are subject to all terms, conditions, exclusions and limitations of the coverage documents (e.g., evidence of coverage, certificate of coverage, policy, contract of insurance, etc.), as well as to state and federal requirements and applicable Health Plan-level administrative policies and procedures.

This clinical policy is effective as of the date determined by the Health Plan. The date of posting may not be the effective date of this clinical policy. This clinical policy may be subject to applicable legal and regulatory requirements relating to provider notification. If there is a discrepancy between the effective date of this clinical policy and any applicable legal or regulatory requirement, the requirements of law and regulation shall govern. The Health Plan retains the right to change, amend or withdraw this clinical policy, and additional clinical policies may be developed and adopted as needed, at any time.

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recommend treatment for members. Members should consult with their treating physician in connection with diagnosis and treatment decisions.

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