

Coverage of any drug intervention discussed in the plans prior authorization guideline is subject to the limitations and exclusions outlined in the member's benefit certificate or policy and to applicable state and/or federal laws.

Trastuzumab:

Herceptin[®]; Ogivri[®]; Kanjinti[™]; Trazimera[™]; Herzuma[®]; Ontruzant[®] (Intravenous)

Document Number: MH-0057

Last Review Date: 07/20/2022

Date of Origin: 10/17/2008

Dates Reviewed: 06/2009, 12/2009, 03/2010, 09/2010, 03/2011, 06/2011, 09/2011, 12/2011, 03/2012, 06/2012, 09/2012, 11/2012, 12/2012, 03/2013, 06/2013, 09/2013, 12/2013, 03/2014, 06/2014, 09/2014, 12/2014, 03/2015, 05/2015, 08/2015, 11/2015, 02/2016, 05/2016, 08/2016, 11/2016, 02/2017, 05/2017, 08/2017, 11/2017, 02/2018, 05/2018, 09/2018, 12/2018, 03/2019, 06/2019, 09/2019, 12/2019, 03/2020, 06/2020, 09/2020, 12/2020, 03/2021, 06/2021, 09/2021, 12/2021, 02/2022, 03/2022, 07/2022

Customization Date: 07/20/2022

Effective Date: 01/01/2023

I. Length of Authorization ¹⁻⁶

Coverage is provided for 6 months and may be renewed (unless otherwise specified).

- Neoadjuvant and adjuvant therapy in Breast Cancer may be authorized up to a maximum of fifty-two (52) weeks of therapy.

II. Dosing Limits

A. Quantity Limit (max daily dose) [NDC Unit]:

- 150 mg single-dose vial: 6 vials day 1, then 5 vials every 21 days thereafter
- 420 mg multiple-dose vial: 3 vials day 1, then 2 vials every 21 days thereafter

B. Max Units (per dose and over time) [HCPCS Unit]:

	Indication	Load (1-time)	Load Billable Units (1-time)	Maint.	Maint. Billable Units	Interval (Days)
Herceptin (150 mg SDV)	Breast Cancer; Colorectal Cancer	4 mg/kg	45	2 mg/kg	30	7
		8 mg/kg	90	6 mg/kg	75	21
	Gastric; Esophageal; GEJ Cancer	6 mg/kg	75	4 mg/kg	45	14
		8 mg/kg	90	6 mg/kg	75	21
	CNS mets from Breast Cancer, Uterine Cancer, Head and Neck Cancer	8 mg/kg	90	6 mg/kg	75	21
Leptomeningeal Metastases from Breast Cancer	N/A	N/A	100 mg	15	7	

	Indication	Load (1-time)	Load Billable Units (1-time)	Maint.	Maint. Billable Units	Interval (Days)
Herceptin, Ogivri, Kanjinti, Trazimera, Herzuma, Ontruzant (420 mg MDV)	Breast Cancer; Colorectal Cancer	4 mg/kg	46	2 mg/kg	23	7
		8 mg/kg	92	6 mg/kg	69	21
	Gastric; Esophageal; GEJ Cancer	6 mg/kg	69	4 mg/kg	46	14
		8 mg/kg	92	6 mg/kg	69	21
	CNS mets from Breast Cancer, Uterine Cancer, Head and Neck Cancer	8 mg/kg	92	6 mg/kg	69	21
Leptomeningeal Metastases from Breast Cancer	N/A	N/A	100 mg	10	7	

III. Initial Approval Criteria ¹⁻⁶

Coverage is provided in the following conditions:

Applicable to Commercial and IFB members
<ul style="list-style-type: none"> New Starts Only: Patient must have tried and failed treatment with one of the preferred products (Herzuma or Trazimera), a contraindication exists, or the patient would have a life threatening situation if required to meet step therapy requirements. This requirement does not apply to patients using another trastuzumab product for an indication not shared by the preferred product; AND

- Patient is at least 18 years of age; AND

Universal Criteria ¹⁻⁶

- Left ventricular ejection fraction (LVEF) is within normal limits prior to initiating therapy and will be assessed at regular intervals (e.g., every 3 months) during treatment; AND
- Patient has human epidermal growth factor receptor 2 (HER2)-positive* disease as determined by an FDA-approved or CLIA-compliant test[‡]; AND
- Therapy will not be substituted with or for ado-trastuzumab emtansine (Kadcyla) or fam-trastuzumab deruxtecan-nxki (Enhertu); AND
- Therapy will not be used in combination with trastuzumab and hyaluronidase-oysk (Herceptin Hylecta) or pertuzumab/trastuzumab and hyaluronidase-zzxf (Phesgo); AND

Breast Cancer † ‡ ^{1-8,10-16,35-38,43,44}

- Used as adjuvant therapy; AND
 - Used in combination with a taxane-based regimen (e.g., docetaxel, paclitaxel) †; OR
 - Used as a single agent following chemotherapy; OR

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- Used in combination with pertuzumab for locally advanced, node positive, or inflammatory disease; **OR**
- Used as neoadjuvant or preoperative therapy; **AND**
 - Patient has locally advanced, node positive, or inflammatory disease; **AND**
 - Used in combination with a taxane-based regimen (e.g., docetaxel, paclitaxel, etc.) with or without pertuzumab; **OR**
- Used for recurrent unresectable or metastatic disease **OR** inflammatory breast cancer with no response to preoperative systemic therapy; **AND**
 - Used as a single agent in patients who have received one or more prior chemotherapy regimens for metastatic disease †; **OR**
 - Used as first-line therapy in combination with paclitaxel †; **OR**
 - Used in combination with endocrine therapy (e.g., tamoxifen, fulvestrant, or aromatase inhibition with or without lapatinib) in patients with hormone-receptor positive disease; **AND**
 - Patient is post-menopausal; **OR**
 - Patient is pre-menopausal and is treated with ovarian ablation/suppression; **OR**
 - Patient is a male receiving concomitant suppression of testicular steroidogenesis; **OR**
 - Used in combination with one of the following:
 - Pertuzumab and a taxane (e.g., docetaxel, paclitaxel) as first-line therapy
 - Capecitabine and tucatinib as second-line therapy and beyond
 - Cytotoxic chemotherapy as third-line therapy and beyond
 - Lapatinib (without cytotoxic therapy) as third-line therapy and beyond
 - Pertuzumab with or without cytotoxic therapy as subsequent therapy in patients previously treated with chemotherapy and trastuzumab (without pertuzumab)

Central Nervous System Cancer †^{7,18,29,30}

- Patient has leptomeningeal metastases from breast cancer; **AND**
 - Trastuzumab will be administered intrathecally; **OR**
- Patient has brain metastases from breast cancer; **AND**
 - Used in combination with capecitabine and tucatinib; **AND**
 - Patient has previously been treated with at least one HER2-directed regimen; **AND**
 - Used as initial treatment in patients with small asymptomatic brain metastases; **OR**
 - Patient has recurrent limited brain metastases; **OR**

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- Patient has recurrent extensive brain metastases with stable systemic disease or reasonable systemic treatment options; **OR**
- Patient has relapsed limited brain metastases with either stable systemic disease or reasonable systemic treatment options

Gastric, Esophageal, and Esophagogastric Junction Cancers † ‡ 1-7,17,32,33

- Patient has unresectable (or medically inoperable) locally advanced, recurrent, or metastatic adenocarcinoma; **AND**
- Used as first-line therapy in combination with chemotherapy (*excluding use with anthracyclines or in combination with DCF [docetaxel, carboplatin, and fluorouracil]*)

Uterine Cancer (Endometrial Carcinoma) ‡ 7,19,34

- Used in combination with carboplatin and paclitaxel; **AND**
- Patient has advanced (stage III/IV) or recurrent uterine serous carcinoma

Colorectal Cancer ‡ 7,9,31

- Patient has RAS and BRAF wild-type (WT) disease; **AND**
- Used in combination with pertuzumab or lapatinib; **AND**
- Patient has not previously received HER2-directed therapy; **AND**
 - Used as subsequent therapy for progression of advanced or metastatic disease after at least one prior line of treatment in the advanced or metastatic disease setting; **OR**
 - Patient is not appropriate for intensive therapy; **AND**
 - Used as primary treatment for unresectable (or medically inoperable), locally advanced, or metastatic disease; **OR**
 - Used for unresectable (or medically inoperable) metastatic disease that remains unresectable after primary systemic therapy

Head and Neck Cancer ‡ 7,39-42

- Patient has salivary gland tumors; **AND**
- Used as a single agent **OR** in combination with either docetaxel or pertuzumab; **AND**
- Used for one of the following:
 - Recurrent disease with distant metastases; **OR**
 - Unresectable locoregional recurrence with prior radiation therapy (RT); **OR**
 - Recurrent unresectable second primary with prior RT

*HER2-positive overexpression criteria: 8,10

- Immunohistochemistry (IHC) assay 3+; **OR**

- Dual-probe in situ hybridization (ISH) assay HER2/CEP17 ratio ≥ 2.0 AND average HER2 copy number ≥ 4.0 signals/cell; **OR**
- Dual-probe in situ hybridization (ISH) assay AND concurrent IHC indicating one of the following:
 - HER2/CEP17 ratio ≥ 2.0 AND average HER2 copy number < 4.0 signals/cell AND concurrent IHC 3+; **OR**
 - HER2/CEP17 ratio < 2.0 AND average HER2 copy number ≥ 6.0 signals/cell AND concurrent IHC 2+ or 3+; **OR**
 - HER2/CEP17 ratio < 2.0 AND average HER2 copy number ≥ 4.0 and < 6.0 signals/cell AND concurrent IHC 3+

❖ *If confirmed using an immunotherapy assay* <http://www.fda.gov/companiondiagnostics>

† FDA Approved Indication(s); ‡ Compendia recommended Indication(s); Ⓞ Orphan Drug

IV. Renewal Criteria ¹⁻⁹

Coverage may be renewed based upon the following criteria:

- Patient continues to meet the universal and other indication-specific relevant criteria such as concomitant therapy requirements (not including prerequisite therapy), performance status, etc. identified in section III; **AND**
- Disease response with treatment as defined by stabilization of disease or decrease in size of tumor or tumor spread; **AND**
- Absence of unacceptable toxicity from the drug. Examples of unacceptable toxicity include: cardiotoxicity (e.g., left ventricular dysfunction, cardiomyopathy), pulmonary toxicity (e.g., dyspnea, interstitial pneumonitis), neutropenia, infusion-related reactions, etc.; **AND**
- Left ventricular ejection fraction (LVEF) within the previous 3 months as follows:
 - LVEF is within the institutional normal limits, and has not had an absolute decrease of $\geq 16\%$ from pre-treatment baseline; **OR**
 - LVEF is below the institutional lower limits of normal, and has not had an absolute decrease of $\geq 10\%$ from pre-treatment baseline; **AND**

Breast Cancer (adjuvant and neoadjuvant therapy)

- Patient has not exceeded a maximum of fifty-two (52) weeks of therapy

V. Dosage/Administration ^{1-9,18,19,29,31-33,40-42}

Indication	Dose
Breast Cancer	<p><u>Neoadjuvant/Adjuvant Therapy</u></p> <p><u>Combination Therapy</u></p> <p>–Administer an initial dose of 4 mg/kg intravenously followed by 2 mg/kg intravenously weekly during chemotherapy for up to 18 weeks.</p>

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	<p>–One week following the last weekly dose of trastuzumab, administer 6 mg/kg intravenously every three weeks.</p> <p>OR</p> <p>–Administer an initial dose of 4 mg/kg intravenously followed by 2 mg/kg intravenously weekly.</p> <p>OR</p> <p>–Administer an initial dose at 8 mg/kg intravenously followed by 6 mg/kg intravenously every three weeks.</p> <p><u>Single-Agent Therapy (following anthracycline therapy)</u></p> <p>–Administer an initial dose at 8 mg/kg intravenously, followed by subsequent doses at 6 mg/kg intravenously every three weeks.</p> <p><i>Note: Therapy should not exceed a total of 52 weeks of treatment.</i></p> <p><u>Recurrent or Metastatic Disease (alone or in combination with chemotherapy)</u></p> <p>Loading dose: 4 mg/kg intravenously x 1 for every 7-day dosing schedule Maintenance dose: 2 mg/kg intravenously every 7 days</p> <p>OR</p> <p>Loading dose: 8 mg/kg intravenously x 1 for every 21-day dosing schedule Maintenance dose: 6 mg/kg every 21 days</p> <p><i>Note: Treat until disease progression or intolerable toxicity.</i></p>
Gastric, Esophageal, and Esophagogastric Junction Cancers	<p>Loading dose: 8 mg/kg intravenously x 1 for every 21-day dosing schedule Maintenance dose: 6 mg/kg intravenously every 21 days</p> <p>OR</p> <p>Loading dose: 6 mg/kg intravenously x 1 for every 14-day dosing schedule Maintenance dose: 4 mg/kg intravenously every 14 days</p> <p><i>Note: Treat until disease progression or intolerable toxicity.</i></p>
Colorectal Cancer	<p>Loading dose: 8 mg/kg intravenously x 1 for every 21-day dosing schedule Maintenance dose: 6 mg/kg intravenously every 21 days</p> <p>OR</p> <p>Loading dose: 4 mg/kg intravenously x 1 for every 7-day dosing schedule Maintenance dose: 2 mg/kg intravenously every 7 days</p> <p><i>Note: Treat until disease progression or intolerable toxicity.</i></p>
Leptomeningeal Metastases from Breast Cancer	<p>Escalating doses up to 100 mg intrathecally weekly*</p> <p><i>*Dosing is highly variable and should be individualized.</i></p> <p><i>Note: Treat until disease progression or intolerable toxicity.</i></p>
CNS Metastases from Breast Cancer	<p>Loading dose: 8 mg/kg intravenously x 1 for every 21-day dosing schedule Maintenance dose: 6 mg/kg intravenously every 21 days</p> <p><i>Note: Treat until disease progression or intolerable toxicity.</i></p>

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Uterine Cancer	Loading dose: 8 mg/kg intravenously x 1 for every 21-day dosing schedule Maintenance dose: 6 mg/kg intravenously every 21 days <i>Note: Treat until disease progression or intolerable toxicity.</i>
Head and Neck Cancer	Loading dose: 8 mg/kg intravenously x 1 for every 21-day dosing schedule Maintenance dose: 6 mg/kg intravenously every 21 days <i>Note: Treat until disease progression or intolerable toxicity.</i>

VI. Billing Code/Availability Information

Brand Name	HCPCS	HCPCS Description	1 BU	Vial Size & Type	NDCs
Herceptin	J9355	Injection, trastuzumab, excludes biosimilar, 10 mg	10 mg	150 mg SDV	50242-0132-xx
				420 mg MDV	50242-0333-xx
Ogivri	Q5114	Injection, Trastuzumab-dkst, biosimilar, (Ogivri), 10 mg	10 mg	150 mg SDV	67457-0991-xx
				420 mg MDV (with diluent)	67457-0847-xx
				420 mg MDV (no diluent)	67457-0845-xx
Kanjinti	Q5117	Injection, trastuzumab-anns, biosimilar, (Kanjinti), 10 mg	10 mg	150 mg SDV	55513-0141-xx
				420 mg MDV	55513-0132-xx
Trazimera	Q5116	Injection, trastuzumab-qyyp, biosimilar, (Trazimera), 10 mg	10 mg	150 mg SDV	00069-0308-xx
				420 mg MDV	00069-0305-xx
Herzuma	Q5113	Injection, Trastuzumab-pkrb, biosimilar, (Herzuma), 10 mg	10 mg	150 mg SDV	63459-0303-xx
				420 mg MDV	63459-0305-xx
Ontruzant	Q5112	Injection, Trastuzumab-dttb, biosimilar, (Ontruzant), 10 mg	10 mg	150 mg SDV	78206-0147-xx
				420 mg MDV	78206-0148-xx
Notes: <ul style="list-style-type: none"> Herceptin, Ogivri, Kanjinti, Trazimera, Herzuma, & Ontruzant are available as both single-dose and multi-dose vials. Approvals are based upon use of the MDV; therefore, the JW modifier is not allowed 					

VII. References

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Appendix 1 – Covered Diagnosis Codes

TRASTUZUMAB

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ICD-10	ICD-10 Description
C06.9	Malignant neoplasm of mouth, unspecified
C07	Malignant neoplasm of parotid gland
C08.0	Malignant neoplasm of submandibular gland
C08.1	Malignant neoplasm of sublingual gland
C08.9	Malignant neoplasm of major salivary gland, unspecified
C15.3	Malignant neoplasm of upper third of esophagus
C15.4	Malignant neoplasm of middle third of esophagus
C15.5	Malignant neoplasm of the lower third of esophagus
C15.8	Malignant neoplasm of overlapping sites of esophagus
C15.9	Malignant neoplasm of esophagus, unspecified
C16.0	Malignant neoplasm of cardia
C16.1	Malignant neoplasm of fundus of stomach
C16.2	Malignant neoplasm of body of stomach
C16.3	Malignant neoplasm of pyloric antrum
C16.4	Malignant neoplasm of pylorus
C16.5	Malignant neoplasm of lesser curvature of stomach, unspecified
C16.6	Malignant neoplasm of greater curvature of stomach, unspecified
C16.8	Malignant neoplasm of overlapping sites of stomach
C16.9	Malignant neoplasm of stomach, unspecified
C18.0	Malignant neoplasm of cecum
C18.1	Malignant neoplasm of appendix
C18.2	Malignant neoplasm of ascending colon
C18.3	Malignant neoplasm of hepatic flexure
C18.4	Malignant neoplasm of transverse colon
C18.5	Malignant neoplasm of splenic flexure
C18.6	Malignant neoplasm of descending colon
C18.7	Malignant neoplasm of sigmoid colon
C18.8	Malignant neoplasm of overlapping sites of large intestines
C18.9	Malignant neoplasm of colon, unspecified
C19	Malignant neoplasm of rectosigmoid junction
C20	Malignant neoplasm of rectum
C21.8	Malignant neoplasm of overlapping sites of rectum, anus and anal canal
C50.011	Malignant neoplasm of nipple and areola, right female breast

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ICD-10	ICD-10 Description
C50.012	Malignant neoplasm of nipple and areola, left female breast
C50.019	Malignant neoplasm of nipple and areola, unspecified female breast
C50.021	Malignant neoplasm of nipple and areola, right female breast
C50.022	Malignant neoplasm of nipple and areola, left female breast
C50.029	Malignant neoplasm of nipple and areola, unspecified female breast
C50.111	Malignant neoplasm of central portion of right female breast
C50.112	Malignant neoplasm of central portion of left female breast
C50.119	Malignant neoplasm of central portion of unspecified female breast
C50.121	Malignant neoplasm of central portion of right male breast
C50.122	Malignant neoplasm of central portion of left male breast
C50.129	Malignant neoplasm of central portion of unspecified male breast
C50.211	Malignant neoplasm of upper-inner quadrant of right female breast
C50.212	Malignant neoplasm of upper-inner quadrant of left female breast
C50.219	Malignant neoplasm of upper-inner quadrant of unspecified female breast
C50.221	Malignant neoplasm of upper-inner quadrant of right male breast
C50.222	Malignant neoplasm of upper-inner quadrant of left male breast
C50.229	Malignant neoplasm of upper-inner quadrant of unspecified male breast
C50.311	Malignant neoplasm of lower-inner quadrant of right female breast
C50.312	Malignant neoplasm of lower-inner quadrant of left female breast
C50.319	Malignant neoplasm of lower-inner quadrant of unspecified female breast
C50.321	Malignant neoplasm of lower-inner quadrant of right male breast
C50.322	Malignant neoplasm of lower-inner quadrant of left male breast
C50.329	Malignant neoplasm of lower-inner quadrant of unspecified male breast
C50.411	Malignant neoplasm of upper-outer quadrant of right female breast
C50.412	Malignant neoplasm of upper-outer quadrant of left female breast
C50.419	Malignant neoplasm of upper-outer quadrant of unspecified female breast
C50.421	Malignant neoplasm of upper-outer quadrant of right male breast
C50.422	Malignant neoplasm of upper-outer quadrant of left male breast
C50.429	Malignant neoplasm of upper-outer quadrant of unspecified male breast
C50.511	Malignant neoplasm of lower-outer quadrant of right female breast
C50.512	Malignant neoplasm of lower-outer quadrant of left female breast
C50.519	Malignant neoplasm of lower-outer quadrant of unspecified female breast
C50.521	Malignant neoplasm of lower-outer quadrant of right male breast

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ICD-10	ICD-10 Description
C50.522	Malignant neoplasm of lower-outer quadrant of left male breast
C50.529	Malignant neoplasm of lower-outer quadrant of unspecified male breast
C50.611	Malignant neoplasm of axillary tail of right female breast
C50.612	Malignant neoplasm of axillary tail of left female breast
C50.619	Malignant neoplasm of axillary tail of unspecified female breast
C50.621	Malignant neoplasm of axillary tail of right male breast
C50.622	Malignant neoplasm of axillary tail of left male breast
C50.629	Malignant neoplasm of axillary tail of unspecified male breast
C50.811	Malignant neoplasm of overlapping sites of right female breast
C50.812	Malignant neoplasm of overlapping sites of left female breast
C50.819	Malignant neoplasm of overlapping sites of unspecified female breast
C50.821	Malignant neoplasm of overlapping sites of right male breast
C50.822	Malignant neoplasm of overlapping sites of left male breast
C50.829	Malignant neoplasm of overlapping sites of unspecified male breast
C50.911	Malignant neoplasm of unspecified site of right female breast
C50.912	Malignant neoplasm of unspecified site of left female breast
C50.919	Malignant neoplasm of unspecified site of unspecified female breast
C50.921	Malignant neoplasm of unspecified site of right male breast
C50.922	Malignant neoplasm of unspecified site of left male breast
C50.929	Malignant neoplasm of unspecified site of unspecified male breast
C54.0	Malignant neoplasm of isthmus uteri
C54.1	Malignant neoplasm of endometrium
C54.2	Malignant neoplasm of myometrium
C54.3	Malignant neoplasm of fundus uteri
C54.8	Malignant neoplasm of overlapping sites of corpus uteri
C54.9	Malignant neoplasm of corpus uteri, unspecified
C55	Malignant neoplasm of uterus, part unspecified
C78.00	Secondary malignant neoplasm of unspecified lung
C78.01	Secondary malignant neoplasm of right lung
C78.02	Secondary malignant neoplasm of left lung
C78.6	Secondary malignant neoplasm of retroperitoneum and peritoneum
C78.7	Secondary malignant neoplasm of liver and intrahepatic bile duct
C79.31	Secondary malignant neoplasm of brain

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ICD-10	ICD-10 Description
C79.32	Secondary malignant neoplasm of cerebral meninges
D37.1	Neoplasm of uncertain behavior of stomach
D37.8	Neoplasm of uncertain behavior of other specified digestive organs
D37.9	Neoplasm of uncertain behavior of digestive organ, unspecified
Z85.00	Personal history of malignant neoplasm of unspecified digestive organ
Z85.01	Personal history of malignant neoplasm of esophagus
Z85.028	Personal history of other malignant neoplasm of stomach
Z85.038	Personal history of other malignant neoplasm of large intestine
Z85.068	Personal history of other malignant neoplasm of small intestine
Z85.3	Personal history of malignant neoplasm of breast

Appendix 2 – Centers for Medicare and Medicaid Services (CMS)

Medicare coverage for outpatient (Part B) drugs is outlined in the Medicare Benefit Policy Manual (Pub. 100-2), Chapter 15, §50 Drugs and Biologicals. In addition, National Coverage Determination (NCD), Local Coverage Articles (LCAs), and Local Coverage Determinations (LCDs) may exist and compliance with these policies is required where applicable. They can be found at: <https://www.cms.gov/medicare-coverage-database/search.aspx>. Additional indications may be covered at the discretion of the health plan.

Medicare Part B Covered Diagnosis Codes (applicable to existing NCD/LCA/LCD):

Jurisdiction(s): N(9)	NCD/LCD Document (s): A56660
https://www.cms.gov/medicare-coverage-database/new-search/search-results.aspx?keyword=a56660&areaId=all&docType=NCA%2CCAL%2CNCD%2CMEDCAC%2CTA%2CMCD%2C6%2C3%2C5%2C1%2CF%2CP	

Medicare Part B Administrative Contractor (MAC) Jurisdictions		
Jurisdiction	Applicable State/US Territory	Contractor
E (1)	CA, HI, NV, AS, GU, CNMI	Noridian Healthcare Solutions, LLC
F (2 & 3)	AK, WA, OR, ID, ND, SD, MT, WY, UT, AZ	Noridian Healthcare Solutions, LLC
5	KS, NE, IA, MO	Wisconsin Physicians Service Insurance Corp (WPS)
6	MN, WI, IL	National Government Services, Inc. (NGS)
H (4 & 7)	LA, AR, MS, TX, OK, CO, NM	Novitas Solutions, Inc.
8	MI, IN	Wisconsin Physicians Service Insurance Corp (WPS)
N (9)	FL, PR, VI	First Coast Service Options, Inc.
J (10)	TN, GA, AL	Palmetto GBA, LLC

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Medicare Part B Administrative Contractor (MAC) Jurisdictions		
Jurisdiction	Applicable State/US Territory	Contractor
M (11)	NC, SC, WV, VA (excluding below)	Palmetto GBA, LLC
L (12)	DE, MD, PA, NJ, DC (includes Arlington & Fairfax counties and the city of Alexandria in VA)	Novitas Solutions, Inc.
K (13 & 14)	NY, CT, MA, RI, VT, ME, NH	National Government Services, Inc. (NGS)
15	KY, OH	CGS Administrators, LLC

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