

# Billing and Coding Guide



**Indication:** Lumvoda is indicated for the treatment of Thyroid Eye Disease regardless of Thyroid Eye Disease activity or duration.

## Important Safety Information

**Infusion Reactions:** Lumvoda may cause infusion reactions. Infusion reactions have been reported in approximately 9% of patients treated with Lumvoda. Signs and symptoms of infusion-related reactions include transient increases in blood pressure, fever, chills, headache, and fatigue. Infusion reactions may occur during or soon after an infusion. Reported infusion reactions are usually mild or moderate in severity and can usually be successfully managed with corticosteroids, antihistamines, and antipyretics. In patients who experience an infusion reaction, consideration should be given to standard premedication and/or administering infusions at a slower infusion rate.

This guide provides billing and coding guidance to support submission of claims for Lumvoda and associated infusion services. Coding requirements vary by health plan and site of care; verify plan-specific rules (codes, modifiers, NDC reporting) prior to submission.

The coding information discussed in this guide is provided for informational purposes only, is subject to change, and should not be construed as legal, reimbursement, or billing advice. The codes listed herein may not apply to all patients or to all health plans. Conversely, additional codes not listed in this guide may apply to some patients. Providers are responsible for confirming payer-specific requirements.

## Relevant ICD-10-CM codes for TED

ICD-10-CM codes identify the medical necessity for treatment. For Lumvoda, these codes confirm the diagnosis of TED and link the service rendered to the patient's clinical condition.<sup>1</sup>

| Code <sup>1</sup> | Description                                                           |
|-------------------|-----------------------------------------------------------------------|
| <b>E05.00</b>     | Thyrotoxicosis with diffuse goiter without thyrotoxic crisis or storm |
| <b>H05.831</b>    | Thyroid orbitopathy, right orbit                                      |
| <b>H05.832</b>    | Thyroid orbitopathy, left orbit                                       |
| <b>H05.833</b>    | Thyroid orbitopathy, bilateral                                        |
| <b>H05.839</b>    | Thyroid orbitopathy, unspecified orbit                                |

## HCPCS drug codes

HCPCS codes identify the drug administered during treatment. Until a permanent J code is assigned for Lumvoda, providers may need to bill using unclassified or "not otherwise classified" (NOC) codes. Always confirm the appropriate HCPCS code with the patient's health plan before submitting a claim.

| Code <sup>2</sup> | Description                     | Use Case                                            |
|-------------------|---------------------------------|-----------------------------------------------------|
| <b>J3490</b>      | Unclassified drugs              | Used for physician office and other CMS-1500 claims |
| <b>J3590</b>      | Unclassified biologics          | Used for physician office and other CMS-1500 claims |
| <b>C9399</b>      | Unclassified drugs or biologics | Used for outpatient hospital claims                 |

CMS, Centers for Medicare & Medicaid Services; HCPCS, Healthcare Common Procedure Coding System; ICD-10-CM, International Classification of Diseases, 10th Revision, Clinical Modification; NDC, National Drug Code; TED, Thyroid Eye Disease.

## CPT administration codes

CPT codes describe the administration process and infusion services associated with Lumvoa. These codes capture the duration and complexity of the infusion and any sequential administrations.

| Code         | Description                                                                                                     | Notes                                                                                                              |
|--------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>96413</b> | Chemotherapy administration, intravenous infusion technique; up to 1 hour, single or initial substance/drug     | Used for the initial hour of infusion <sup>3</sup>                                                                 |
| <b>96415</b> | Each additional hour                                                                                            | Used for infusion times beyond 1 hour when using 96413 as the initial code <sup>4</sup>                            |
| <b>96365</b> | Intravenous infusion, for therapy, prophylaxis, or diagnosis (specify substance or drug); initial, up to 1 hour | Used for therapeutic or prophylactic infusions; used for the initial hour when not billed under 96413 <sup>5</sup> |
| <b>96366</b> | Each additional hour                                                                                            | Used for infusion times beyond 1 hour when 96365 is the initial code <sup>5</sup>                                  |
| <b>96375</b> | Each additional sequential IV push of a new substance/drug                                                      | Used for additional agents administered during the same visit <sup>5</sup>                                         |

## Home infusion codes

| Code         | Description                                                                                                                                                                                                                                   | Notes                                                                                                         |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>99601</b> | Home infusion/specialty drug administration, per visit (up to 2 hours)                                                                                                                                                                        | Used for initial visit for home infusion per date of service <sup>6</sup>                                     |
| <b>99602</b> | Home infusion/specialty drug administration, per visit (each additional hour)                                                                                                                                                                 | Used with 99601 if infusion exceeds 2 hours <sup>6</sup>                                                      |
| <b>S5520</b> | Home infusion therapy, all supplies (including catheter) necessary for a peripherally inserted central venous catheter (PICC) line insertion                                                                                                  | Used for home infusion therapy supplies for a peripherally inserted central venous catheter line <sup>7</sup> |
| <b>S9329</b> | Home infusion therapy, chemotherapy infusion; administrative services, professional pharmacy services, care coordination, and all necessary supplies and equipment (drugs and nursing visits coded separately), per diem                      | Not used with S9330 or S9331 <sup>8</sup>                                                                     |
| <b>S9379</b> | Home infusion therapy, infusion therapy, not otherwise classified; administrative services, professional pharmacy services, care coordination, and all necessary supplies and equipment (drugs and nursing visits coded separately), per diem | May be required by some health plans when a more specific per diem CPT code does not apply <sup>8</sup>       |
| <b>S9810</b> | Home therapy; professional pharmacy services for provision of infusion, specialty drug administration, and/or disease state management, not otherwise classified, per hour (not used with any per diem code)                                  | Not used in combination with any home infusion per diem code (eg, S9329, S9379) <sup>8,9</sup>                |

CPT, Current Procedure Terminology; IV, intravenous.

## Modifiers

Modifiers are appended to CPT or HCPCS codes to provide additional claim details, such as wastage, 340B acquisition, or distinct procedures.

| Modifier               | Description                                                                      | Notes                                                                                          |
|------------------------|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| <b>JW<sup>10</sup></b> | Drug amount discarded or not administered                                        | Required when documenting discarded drug not administered to any patient                       |
| <b>JZ<sup>10</sup></b> | Zero drug amount discarded or not administered                                   | Required when zero drug is discarded                                                           |
| <b>59<sup>11</sup></b> | Distinct procedural service                                                      | Used if multiple, separate services are billed on the same day                                 |
| <b>JG<sup>10</sup></b> | Drug or biological acquired with 340B Drug Pricing Program discount              | Reported for informational purposes                                                            |
| <b>TB<sup>10</sup></b> | Drug or biological acquired with 340B Drug Pricing Program discount              | Reported for informational purposes by select 340B entities                                    |
| <b>SS<sup>10</sup></b> | Home infusion services provided in the infusion suite of the IV therapy provider | Used when home infusion services are provided in the infusion suite of the IV therapy provider |

## Place of service codes (examples)<sup>12</sup>

| Code      | Description                    |
|-----------|--------------------------------|
| <b>11</b> | Office                         |
| <b>12</b> | Home                           |
| <b>19</b> | Off-campus outpatient hospital |
| <b>22</b> | On-campus outpatient hospital  |
| <b>49</b> | Independent clinic             |

## NDC reporting<sup>13</sup>

- 10-digit NDC 85166-001-01 → convert to 11-digit\* for claim forms 85166-**0001**-01
- N4 + 11-digit NDC + unit-of-measure + quantity (health plan-specific formatting)

\*FDA standard NDC has been "zero-filled" to ensure creation of an 11-digit code that meets HIPAA standards. The zero-fill location is indicated in **bold**.

CPT, Current Procedure Terminology; HCPCS, Healthcare Common Procedure Coding System; HIPAA, Health Insurance Portability and Accountability Act; IV, intravenous; NDC, National Drug Code.

## Site-of-care coding differences

Billing and reimbursement processes vary by site of service. While ICD-10-CM diagnosis codes, CPT codes, and PA requirements generally remain consistent across sites, the claim form type, HCPCS code, modifiers, and POS codes may differ based on where Lumvoda is administered.<sup>12</sup>

The table below highlights the key coding and billing elements that differ by site of care.

| Element                             | Specialty Infusion Center/Home Infusion | Physician's Office/<br>Office-Based Infusion Center | Hospital Outpatient Department                                                 |
|-------------------------------------|-----------------------------------------|-----------------------------------------------------|--------------------------------------------------------------------------------|
| <b>Claim Form Type<sup>14</sup></b> | CMS-1500 (837P)                         | CMS-1500 (837P)                                     | CMS-1450 (UB-04/837I)                                                          |
| <b>HCPCS Drug Code<sup>2</sup></b>  | J3490, J3590                            | J3490, J3590                                        | C9399                                                                          |
| <b>Modifiers<sup>10</sup></b>       | JW, JZ                                  | JW, JZ                                              | JW, JZ, JG/TB                                                                  |
| <b>POS<sup>12,14</sup></b>          | 12 (home);<br>49 (independent clinic)   | 11 (office);<br>49 (independent clinic)             | <i>Not applicable for CMS-1450 claims; setting determined by revenue codes</i> |

Billing codes may change once a permanent J-code is assigned.



ViridianCares helps sites of care manage co-pay claims reimbursement for eligible patients. Fax claims with the required documentation to **1-833-726-5151**.

CMS, Centers for Medicare & Medicaid Services; CPT, Current Procedure Terminology; HCPCS, Healthcare Common Procedure Coding System; ICD-10-CM, International Classification of Diseases, 10th Revision, Clinical Modification; PA, prior authorization; POS, place of service.

# CMS-1500 Form Completion

## Sample claim form CMS-1500 (physician's office)

The following is an example of how to complete the CMS-1500 (837P) claim form for a patient who received Lumvoa via IV infusion in the physician office or office-based infusion center.

- A Item 19:** Add clarifying note if using unclassified code (eg, "Unclassified biologic – Lumvoa")
- B Item 21:** Enter ICD-10-CM code
- C Item 23:** Enter the Prior Authorization number (if applicable)
- D Item 24A:** Enter the NDC number in the shaded area above the date of service
  - Enter N4 before NDC
  - 11-digit NDC
  - NDC unit of measure
  - NDC quantity

Note: Confirm with individual health plan how NDC numbers should be notated on claim form

- E Item 24B:** POS code
- F Item 24D:** CPT/HCPCS codes and modifiers
- G Item 24E:** Enter letter (A-L) corresponding to the diagnosis in Item 21
- H Item 24G:** Number of billing units used for each line item

**HEALTH INSURANCE CLAIM FORM**  
APPROVED BY NATIONAL UNIFORM CLAIM COMMITTEE (NUCC) 02/12

**1. MEDICARE** ☒ **MEDICAID** ☐ **TRICARE** ☐ **CHAMPVA** ☐ **GROUP HEALTH PLAN** ☐ **FECA** ☐ **OTHER** ☐

**2. PATIENT'S NAME** (Last Name, First Name, Middle Initial) **3. PATIENT'S BIRTH DATE** MM DD YY **4. INSURED'S NAME** (Last Name, First Name, Middle Initial)

**5. PATIENT'S ADDRESS** (No., Street) **6. PATIENT RELATIONSHIP TO INSURED** **7. INSURED'S ADDRESS** (No., Street)

**8. RESERVED FOR NUCC USE** **9. OTHER INSURED'S NAME** (Last Name, First Name, Middle Initial) **10. IS PATIENT'S CONDITION RELATED TO:**

**11. INSURED'S POLICY GROUP OR FECA NUMBER** **12. PATIENT'S OR AUTHORIZED PERSON'S SIGNATURE** **13. INSURED'S OR AUTHORIZED PERSON'S SIGNATURE**

**14. DATE OF CURRENT ILLNESS, INJURY, OR PREGNANCY (LMP)** **15. OTHER DATE** **16. DATES PATIENT UNABLE TO WORK IN CURRENT OCCUPATION**

**17. NAME OF REFERRING PROVIDER OR OTHER SOURCE** **18. HOSPITALIZATION DATES RELATED TO CURRENT SERVICES**

**19. ADDITIONAL CLAIM INFORMATION** (Designated by NUCC) **20. OUTSIDE LAB?** **21. DIAGNOSIS OR NATURE OF ILLNESS OR INJURY** **22. SUBMISSION CODE** **23. PRIOR AUTHORIZATION NUMBER**

**24. A. DATE(S) OF SERVICE** **B. PLACE OF SERVICE** **C. PROCEDURE(S), SERVICE(S), OR SUPPLY(IES)** **D. DIAGNOSIS POINTER** **E. CHARGES** **F. UNIT** **G. NDC** **H. RENDERING PROVIDER ID #**

**25. FEDERAL TAX ID NUMBER** **26. PATIENT'S ACCOUNT NO.** **27. ACCEPT ASSIGNMENT?** **28. TOTAL CHARGE** **29. AMOUNT PAID** **30. REVENUE FOR NUCC USE**

**31. SIGNATURE OF PHYSICIAN OR SUPPLIER** **32. SERVICE FACILITY LOCATION INFORMATION** **33. BILLING PROVIDER INFO & PH #**

Sample values shown for illustrative purposes only.

## Important Reminder

Lumvoa dose may differ between infusions. Always submit the updated patient weight with each claim to support accurate billing. The example form illustrates how weight-based dosing should be documented (see pages 7 and 8)

# CMS-1500 Form Completion (cont'd)

## Example weight-based dose (independent clinic)

This example shows how a CMS-1500 claim may be completed for a weight-based dose of Lumvoa administered in an independent clinic. Key fields displayed include the ICD-10-CM diagnosis code, drug and infusion administration codes, NDC, POS, and billing units. Drug wastage from the single-use vial is shown on a separate service line using the JW modifier, with administered and discarded amounts listed separately. For the definitions of JW and JZ modifiers, see the modifier table on [page 4](#).

|                                |                            |
|--------------------------------|----------------------------|
| <b>Drug</b>                    | Lumvoa                     |
| <b>Dosing</b>                  | 10 mg/kg                   |
| <b>Patient weight</b>          | 78 kg                      |
| <b>Total dose</b>              | 780 mg administered        |
| <b>Vial size</b>               | 500 mg                     |
| <b>Vials required</b>          | 2 vials × 500 mg = 1000 mg |
| <b>Wastage</b>                 | 220 mg discarded           |
| <b>POS</b>                     | 49 (independent clinic)    |
| <b>Number of billing units</b> | 780                        |

Example assumes on-label dosing.

## CMS-1500 Form\*

**Item 19**

19. ADDITIONAL CLAIM INFORMATION (Designated by NUCC)  
1 billing unit = 1 mg. Total drawn 1000 mg; administered 780 mg; wasted 220 mg (JW)

**Item 21**

21. DIAGNOSIS OR NATURE OF ILLNESS OR INJURY Relate A-L to service line below (24E)  
A. H05.833 B.  C.

**Items 24A-G**

|   | 24. A. DATE(S) OF SERVICE |      |      |       |    |     | B. PLACE OF SERVICE | C. EMG | D. PROCEDURES, SERVICES, OR SUPPLIES (Explain Unusual Circumstances) |          | E. DIAGNOSIS POINTER | G. DAYS OR UNITS |
|---|---------------------------|------|------|-------|----|-----|---------------------|--------|----------------------------------------------------------------------|----------|----------------------|------------------|
|   | From MM                   | DD   | YY   | To MM | DD | YY  |                     |        | CPT/HCPCS                                                            | MODIFIER |                      |                  |
| 1 | N4                        | XXXX | XXXX | XX    | MG | 780 | 49                  |        | J3490                                                                |          | A                    | 780              |
| 2 | N4                        | XXXX | XXXX | XX    | MG | 780 | 49                  |        | J3490                                                                | JW       | A                    | 220              |
| 3 | N4                        | XXXX | XXXX | XX    | MG | 780 | 49                  |        | 96365                                                                |          | A                    | 1                |

Sample values shown for illustrative purposes only.

\*Note: The CPT codes included on this sample form are examples. Please confirm correct CPT codes for site of care prior to form submission.

CMS, Centers for Medicare & Medicaid Services; CPT, current procedural terminology; HCPCS, Healthcare Common Procedure Coding System; ICD-10-CM, International Classification of Diseases, 10th Revision, Clinical Modification; NDC, National Drug Code; NUCC, National Uniform Claim Committee; POS, place of service.



# CMS-1500 Form Completion (cont'd)

## Example weight-based dose (home infusion)

This example shows how a CMS-1500 claim may be completed for a weight-based dose of Lumvoa administered in the home setting. The form displays the ICD-10-CM diagnosis code, drug and infusion administration codes, NDC, POS, billing units, and any applicable home infusion nursing service codes. Drug wastage from the single-use vial is shown on a separate service line using the JW modifier, with administered and discarded amounts listed separately. For the definitions of JW and JZ modifiers, see the modifier table on [page 4](#).

|                                |                            |
|--------------------------------|----------------------------|
| <b>Drug</b>                    | Lumvoa                     |
| <b>Dosing</b>                  | 10 mg/kg                   |
| <b>Patient weight</b>          | 75 kg                      |
| <b>Total dose</b>              | 750 mg administered        |
| <b>Vial size</b>               | 500 mg                     |
| <b>Vials required</b>          | 2 vials × 500 mg = 1000 mg |
| <b>Wastage</b>                 | 250 mg discarded           |
| <b>POS</b>                     | 12 (home infusion)         |
| <b>Number of billing units</b> | 750                        |

Example assumes on-label dosing.

## CMS-1500 Form\*

**Item 19**

19. ADDITIONAL CLAIM INFORMATION (Designated by NUCC)  
1 billing unit = 1 mg. Total drawn 1000 mg; administered 750 mg; wasted 250 mg (JW)

**Item 21**

21. DIAGNOSIS OR NATURE OF ILLNESS OR INJURY Relate A-L to service line below (24E)  
A. H05.833 B.  C.

**Items 24A-G**

|   | 24. A. DATE(S) OF SERVICE |      |      |       |    |     | B. PLACE OF SERVICE | C. EMG | D. PROCEDURES, SERVICES, OR SUPPLIES (Explain Unusual Circumstances) |          | E. DIAGNOSIS POINTER | G. DAYS OR UNITS |
|---|---------------------------|------|------|-------|----|-----|---------------------|--------|----------------------------------------------------------------------|----------|----------------------|------------------|
|   | From MM                   | DD   | YY   | To MM | DD | YY  |                     |        | CPT/HCPCS                                                            | MODIFIER |                      |                  |
| 1 | N4                        | XXXX | XXXX | XX    | MG | 750 | 12                  |        | J3490                                                                |          | A                    | 750              |
| 2 | N4                        | XXXX | XXXX | XX    | MG | 750 | 12                  |        | J3490                                                                | JW       | A                    | 250              |
| 3 | N4                        | XXXX | XXXX | XX    | MG | 750 | 12                  |        | 99601                                                                |          | A                    | 1                |

Sample values shown for illustrative purposes only.

\*Note: The CPT codes included on this sample form are examples. Please confirm correct CPT codes for site of care prior to form submission.

CMS, Centers for Medicare & Medicaid Services; CPT, current procedural terminology; ICD-10-CM, International Classification of Diseases, 10th Revision, Clinical Modification; NDC, National Drug Code; NUCC, National Uniform Claim Committee; POS, place of service.



# CMS-1450 (UB-04) Form Completion

## Sample claim form CMS-1450 (UB-04, hospital outpatient)

The following is an example of how to complete the CMS-1450 (UB-04) claim form for a patient who received Lumv<sup>o</sup>a via IV infusion in the hospital outpatient infusion center.

- A FL 42:** Revenue codes 0636 (drug) and 0260 (infusion)
- B FL 43:** Include NDC with unit of measure
- C FL 44:** HCPCS and CPT (96413)
- D FL 46:** Number of billing units administered
- E FL 67:** ICD-10-CM code
- F FL 80:** Used to document drug name, dose calculation, and wastage

Sample values shown for illustrative purposes only.

### Important Reminder

Lumv<sup>o</sup>a dose may differ between infusions. Always submit the updated patient weight with each claim to support accurate billing. The example form illustrates how weight-based dosing should be documented (see [page 10](#))

# CMS-1450 (UB-04) Form Completion (cont'd)

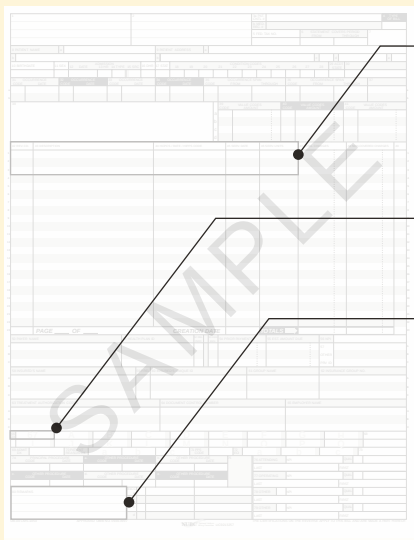
## Example weight-based dose (hospital outpatient department)

This example shows how a CMS-1450 (UB-04) claim may be completed for Lumvoda administered in a hospital outpatient department. The form displays the HCPCS drug code, infusion administration code, NDC, revenue codes, and total billing units. Drug wastage from the single-use vial is reported on a separate service line using the JW modifier, with administered and discarded amounts listed separately. Field 80 includes a brief notation summarizing total drawn, administered, and wasted drug. For the definitions of JW and JZ modifiers, see the modifier table on [page 4](#).

|                                |                            |
|--------------------------------|----------------------------|
| <b>Drug</b>                    | Lumvoda                    |
| <b>Dosing</b>                  | 10 mg/kg                   |
| <b>Patient weight</b>          | 83 kg                      |
| <b>Total dose</b>              | 830 mg administered        |
| <b>Vial size</b>               | 500 mg                     |
| <b>Vials required</b>          | 2 vials × 500 mg = 1000 mg |
| <b>Wastage</b>                 | 170 mg discarded           |
| <b>Number of billing units</b> | 830                        |

Example assumes on-label dosing.

## CMS-1450 Form



**FL 42-46**

| 42 REV. CD. | 43 DESCRIPTION                   | 44 HCPCS / RATE / HIPPS CODE | 45 SERV. DATE | 46 SERV. UNITS |
|-------------|----------------------------------|------------------------------|---------------|----------------|
| 1 0636      | Veligrotug - administered amount | J3490                        |               | 830            |
| 2 0636      | Veligrotug - wastage             | J3490 JW                     |               | 170            |
| 3 0260      | IV infusion - initial            | 96365                        |               | 1              |

**FL 67**

66  
DX H05.833

**FL 80**

|                                                      |
|------------------------------------------------------|
| 80 REMARKS                                           |
| Veligrotug administered 830 mg. Total amount 1000 mg |
| from 2 vials of 500 mg each. 170 mg discarded in     |
| accordance with FDA labeling; JW modifier applied.   |

UB-04 CMS-1450 APPROVED OMB NO. 0938-0997

Sample values shown for illustrative purposes only.

## Important Safety Information

**Infusion Reactions:** Lumvoa may cause infusion reactions. Infusion reactions have been reported in approximately 9% of patients treated with Lumvoa. Signs and symptoms of infusion-related reactions include transient increases in blood pressure, fever, chills, headache, and fatigue. Infusion reactions may occur during or soon after an infusion. Reported infusion reactions are usually mild or moderate in severity and can usually be successfully managed with corticosteroids, antihistamines, and antipyretics. In patients who experience an infusion reaction, consideration should be given to standard premedication and/or administering infusions at a slower infusion rate.

**Inflammatory Bowel Disease:** Lumvoa may cause an exacerbation of inflammatory bowel disease (IBD). IBD has been reported in some patients receiving insulin-like growth factor-1 receptor inhibitors without a prior diagnosis of IBD. Monitor patients for signs and symptoms of IBD, including patients without a history of IBD. If IBD is suspected, discontinue use of Lumvoa.

**Hyperglycemia:** Hyperglycemia or increased blood glucose may occur in patients treated with Lumvoa. In clinical trials, 12% of patients, of whom one-half had preexisting diabetes or impaired glucose tolerance, experienced hyperglycemia. Hyperglycemic events should be controlled with medications for glycemic control, if necessary. Assess patients for elevated blood glucose and symptoms of hyperglycemia prior to infusion and continue to monitor while on treatment with Lumvoa. Ensure patients with hyperglycemia or preexisting diabetes are under appropriate glycemic control before and while receiving Lumvoa. Continued monitoring after treatment is recommended for patients who experience hyperglycemia while on Lumvoa.

**Hearing Impairment Including Hearing Loss:** Lumvoa may cause severe hearing impairment including hearing loss, which in some cases may be permanent. Assess patients' hearing before, during, and after treatment with Lumvoa and consider the benefit-risk of treatment with patients.

**Most Common Adverse Events:** Most common adverse reactions (incidence of 5% or more) are muscle spasms, headache, hearing impairment, hyperglycemia, fatigue, diarrhea, ear discomfort, infusion-related reaction, nausea, nasopharyngitis, blood creatine phosphokinase increased, dry skin, and hypertension.

**Females of Reproductive Potential:** Appropriate forms of contraception should be implemented prior to initiation, during treatment, and for 6 months following the last dose of Lumvoa.

Lumvoa (500 mg) is an injection for infusion.

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4. Centers for Medicare & Medicaid Services. Billing and coding: approved drugs and biologicals; includes cancer chemotherapeutic agents. Updated 11/20/2025. Accessed April 15, 2026. <https://www.cms.gov/medicare-coverage-database/view/article.aspx?articleId=53049>
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6. Medical Services Administration. Home infusion CPT codes 99601 and 99602. Updated October 1, 2023. Accessed April 15, 2026. [https://www.michigan.gov/-/media/Project/Websites/mdhhs/Folder1/Folder20/Home\\_Health\\_03-07.pdf?rev=3561ad320081489bb1c76d314df325e0](https://www.michigan.gov/-/media/Project/Websites/mdhhs/Folder1/Folder20/Home_Health_03-07.pdf?rev=3561ad320081489bb1c76d314df325e0)
7. American Academy of Professional Coders. HCPCS code for home infusion therapy, all supplies (including catheter) necessary for a peripherally inserted central venous catheter (PICC) line insertion S5520. Accessed April 15, 2026. <https://www.aapc.com/codes/hcpcs-codes/S5520>
8. American Academy of Professional Coders. Home Infusion Therapy HCPCS Code range S9325-S9379. Updated 2026. Accessed April 15, 2026. <https://www.aapc.com/codes/hcpcs-codes-range/391>
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10. Centers for Medicare & Medicaid Services. HCPCS quarterly update - modifiers. Updated March 18, 2026. Accessed April 15, 2026. <https://www.cms.gov/medicare/coding-billing/healthcare-common-procedure-system/quarterly-update>
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13. Lumvoda™ (veligrotug-vvze) prescribing information. Viridian Therapeutics, Inc. 2026.
14. Medical Billing Wholesalers. Understanding CMS place of service codes in medical claims. Updated 2025. Accessed April 15, 2026. <https://www.mbwhrcm.com/the-revenue-cycle-blog/cms-place-of-service-codes>