SUBJECT: Cytomegalovirus (CMV) Policy **POLICY NUMBER: PHARMACY-136 EFFECTIVE DATE: 01/2026 LAST REVIEW DATE: 01/01/2026** If the member's subscriber contract excludes coverage for a specific service or prescription drug, it is not covered under that contract. In such cases, medical or drug policy criteria are not applied. This drug policy applies to the following line/s of business: **Policy Application** Category: □ Commercial Group (e.g., EPO, HMO, POS, PPO) ☐ Medicare Part D □ Off Exchange Direct Pay □ Child Health Plus (CHP) ☐ Federal Employee Program (FEP) ☐ Ancillary Services □ Dual Eligible Special Needs Plan (D-SNP)

#### **DESCRIPTION:**

Cytomegalovirus (CMV) is a common herpes virus that infects 1 in 3 children in the US and over half of adults by age 40 years. Infected individuals with a competent immune system typically do not require treatment but certain groups are at high risk for CMV infection: infants infected in utero (congenital CMV), very low birth weight and premature infants, and immunocompromised individuals (such as transplant patients and people infected with HIV). While infection of healthy individuals may be asymptomatic or present mild symptoms such as fatigue and sore throat, infection of patients with compromised immune systems may lead to severe clinical manifestations such as retinitis, colitis, esophagitis, pneumonia, and neurologic defects like dementia and central nervous system vasculitis.

Diagnosis of CMV in individuals at least 12 months of age is primarily done via serologic tests to detect CMV antibodies (IgM and IgG). Newborns may be tested through PCR testing of their saliva and a confirmatory urine test to verify the presence of CMV-specific IgM and or four-fold rise in CMV-specific IgG.

Initial management of CMV involves antiviral therapy with intravenous (IV) ganciclovir or oral valganciclovir as the preferred agents for both treatment and prophylaxis. For patients with resistant or refractory disease, IV foscarnet, IV cidofovir, and oral maribavir are alternative agents that may be used.

Livtencity (maribavir) is a CMV pUL97 kinase inhibitor that impedes protein phosphorylation to stop viral DNA replication and nuclear egress. It is indicated for treatment of post-transplant CMV infection or disease that is refractory to treatment, regardless of genotypic resistance, with ganciclovir, valganciclovir, cidofovir, or foscarnet in adults and pediatric patients 12 years of age and older weighing at least 35 kg.

Specific populations may be indicated for CMV prophylaxis or preemptive therapy due to their risk of developing CMV-disease related complications (e.g. hematopoietic stem cell transplantation [HSCT] recipients). Prophylactic therapy is administration of a drug to prevent infection in patients at increased risk whereas preemptive therapy is defined as administration of antiviral therapy to asymptomatic patients with laboratory markers of viremia to avoid disease progression, in which

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case valganciclovir, ganciclovir, or foscarnet are recommended. Medications for CMV prophylaxis include ganciclovir, foscarnet, acyclovir, valacyclovir, valganciclovir, and letermovir. Of note, foscarnet, acyclovir, and valacyclovir are not FDA-approved for this indication.

Prevymis (letermovir) is a non-nucleoside CMV inhibitor that targets the CMV DNA terminase complex which is required for viral DNA processing and packaging. It is indicated for prevention of CMV infection and disease in adults and pediatric patients 6 months of age and older weighing at least 6 kg who are CMV-seropositive recipients [R+] of an allogeneic hematopoietic stem cell transplant, as well as the prophylaxis of CMV disease in adults and pediatric patients 12 years of age and older who are kidney transplant recipients at high risk (donor CMV seropositive/recipient seronegative [D+/R-]). The NCCN guidelines for the Prevention and Treatment of Cancer-Related Infections include consideration of letermovir for primary prophylaxis in allogeneic HCT recipients who are CMV seropositive.

#### DRUG SPECIFIC POLICIES/CRITERIA:

## Livtencity - maribavir (Rx)

- 1. Must be 12 years of age or older and weigh at least 35 kg AND
- 2. Must be prescribed by, or in consultation with, a hematologist, infectious disease specialist, oncologist, or a physician affiliated with a transplant center **AND**
- 3. Must have a diagnosis of cytomegalovirus (CMV) infection/disease following a hematopoietic stem cell transplant (HSCT) or a solid organ transplant (SOT) **AND**
- 4. Must have post-transplant CMV infection/disease that is refractory to treatment (with or without genotypic resistance) to at least one of the following therapies:
  - a. Ganciclovir
  - b. Valganciclovir
  - c. Cidofovir
  - d. Foscarnet
- 5. Refractory infection/disease is defined below (a or b):
  - a. Definition of Refractory CMV infection: CMV viremia (DNAemia or antigenemia) that increases
     (> 1 log<sub>10</sub>) or persists (< 1 log<sub>10</sub> increase or decrease) after at least 2 weeks of antiviral therapy
  - Definition of Refractory CMV end-organ disease: Worsening in signs and symptoms or progression into end- organ disease (for a patient not previously diagnosed with CMV endorgan disease) OR lack of improvement in signs and symptoms after at least two weeks of appropriately dosed antiviral therapy
- 6. Must not have CMV disease involving the central nervous system, including the retina AND
- 7. Livtencity will not be authorized for use in combination with ganciclovir or valganciclovir AND
- 8. Livtencity will not be approved for non-FDA approved diagnoses (such as for the prevention of CMV infection/disease).
- 9. Approval will be provided for a total of 8 weeks.
  - a. As therapy with Livtencity has not been studied for longer than 8 weeks, recertification will not be authorized.
- 10. Refer to the Livtencity prescribing information for approved dosing.
- 11. Quantity Limit: 120 tablets per 30-day supply.
  - a. An increase in the quantity limit in accordance with the prescribing information may be provided with documentation Livtencity is being co-administered with certain anticonvulsants

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## Prevymis - letermovir (Rx and Medical)

- 1. Member must meet **ONE** of the following criteria (a or b):
  - a. Member is a recipient of an allogenic hematopoietic stem cell transplant (HSCT) AND
    - i. Member must be 6 months of age or older and weigh least 6 kg AND
    - ii. Member is CMV-seropositive (R+) AND
    - iii. Prevymis is being requested for CMV prophylaxis AND
    - iv. Member will initiate therapy with Prevymis between Day 0 and Day 28 post transplantation (documentation of date of transplant is required) **OR**
  - b. Member is a recipient of a kidney transplant AND
    - i. Member must be 12 years of age or older and weigh at least 40 kg AND
    - ii. Member is CMV-seronegative AND
    - iii. Member must have received a primary or secondary allograft kidney from a seropositive[D+] donor AND
    - iv. Prevymis is being requested for CMV prophylaxis AND
    - v. Member will initiate Prevymis between Day 0 and Day 7 post transplantation (documentation of date of transplant is required).
- 2. Prescriber attests member is not concurrently using medications that are contraindicated with Prevymis (i.e., pimozide, ergot alkaloids, pitavastatin and simvastatin when co-administered with cyclosporine) **AND**
- 3. All requests for Prevymis IV will require clinical justification why the oral formulation cannot be used.
- 4. For kidney transplant recipients, authorization will be provided for 7 months to allow for 200 days of treatment post-transplant. Reauthorization will not be permitted.
- 5. For allogenic HSCT recipients, initial authorization will be provided for 4 months to allow for 100 days post-transplant.
  - a. Recertification for an additional 4 months to allow an additional 100 days of therapy (maximum 200 days of treatment post-transplant) may be authorized with documentation of the following:
    - i. Member is high-risk for late CMV infection and disease with one or more of the following risk factors:
      - 1. HLA-related (sibling) donor with at least one mismatch at one of the following three HLA-gene loci: HLA-A, -B or –DR; or
      - 2. Unrelated donor with at least one mismatch at one of the following four HLA-gene loci: HLA-A, -B, -C and -DRB1; or
      - 3. Haploidentical donor; or
      - 4. Use of umbilical cord blood as stem cell source; or
      - 5. Use of ex vivo T-cell-depleted grafts; or
      - 6. Receipt of anti-thymocyte globulin; or
      - 7. Receipt of alemtuzumab; or
      - 8. Use of systemic prednisone (or equivalent) at a dose of ≥1 mg/kg of body weight per day.
- 6. Refer to the Prevymis prescribing information for approved dosing.
- 7. Quantity Limits:
  - a. Prevymis 240 mg or 480 mg tablets: 30 per 30 days
  - b. Prevymis 20 mg or 120 mg oral pellet packets: 120 per 30 days

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### **POLICY GUIDELINES:**

- 1. Utilization Management are contract dependent and coverage criteria may be dependent on the contract renewal date. Additionally, coverage of drugs listed in this policy are contract dependent. Refer to specific contract/benefit language for exclusions.
- 2. Clinical documentation must be submitted for each request (initial and recertification) unless otherwise specified (e.g., provider attestation required). Supporting documentation includes, but is not limited to, progress notes documenting previous treatments/treatment history, diagnostic testing, laboratory test results, genetic testing/biomarker results, and imaging.
  - Continued approval at time of recertification will require documentation that the drug is
    providing ongoing benefit to the patient in terms of improvement or stability in disease state
    or condition
- 3. This policy does not apply to Medicare Part D and D-SNP pharmacy benefits. The drugs in this policy may apply to all other lines of business including Medicare Advantage.
- 4. For members with Medicare Advantage, medications with a National Coverage Determination (NCD) and/or Local Coverage Determination (LCD) will be covered pursuant to the criteria outlined by the NCD and/or LCD. NCDs/LCDs for applicable medications can be found on the CMS website at <a href="https://www.cms.gov/medicare-coverage-database/search.aspx">https://www.cms.gov/medicare-coverage-database/search.aspx</a>. Indications that have not been addressed by the applicable medication's LCD/NCD will be covered in accordance with criteria determined by the Health Plan (which may include review per the Health Plan's Off-Label Use of FDA Approved Drugs policy). Step therapy requirements may be imposed in addition to LCD/NCD requirements.
- 5. Not all contracts cover all Medical Infusible drugs. Refer to specific contract/benefit plan language for exclusions of Injectable Medications.
- 6. For contracts where Insurance Law § 4903(c-1), and Public Health Law § 4903(3-a) are applicable, if trial of preferred drug(s) is the only criterion that is not met for a given condition, and one of the following circumstances can be substantiated by the requesting provider, then trial of the preferred drug(s) will not be required.
  - The required prescription drug(s) is (are) contraindicated or will likely cause an adverse reaction or physical or mental harm to the member;
  - The required prescription drug is expected to be ineffective based on the known clinical history and conditions and concurrent drug regimen;
  - The required prescription drug(s) was (were) previously tried while under the current or a
    previous health plan, or another prescription drug or drugs in the same pharmacologic class
    or with the same mechanism of action was (were) previously tried and such prescription
    drug(s) was (were) discontinued due to lack of efficacy or effectiveness, diminished effect,
    or an adverse event;
  - The required prescription drug(s) is (are) not in the patient's best interest because it will
    likely cause a significant barrier to adherence to or compliance with the plan of care, will
    likely worsen a comorbid condition, or will likely decrease the ability to achieve or maintain
    reasonable functional ability in performing daily activities;
  - The individual is stable on the requested prescription drug. The medical profile of the
    individual (age, disease state, comorbidities), along with the rational for deeming stability as
    it relates to standard medical practice and evidence-based practice protocols for the disease
    state will be taken into consideration.
  - The above criteria are not applicable to requests for brand name medications that have an AB rated generic. We can require a trial of an AB-rated generic equivalent prior to providing coverage for the equivalent brand name prescription drug.

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- 7. This policy is applicable to drugs that are included on a specific drug formulary. If a drug referenced in this policy is non-formulary, please reference the Coverage Exception Evaluation Policy for All Lines of Business Formularies policy for review guidelines.
- 8. All requests will be reviewed to ensure they are being used for an appropriate indication and may be subject to an off-label review in accordance with our Off-Label Use of FDA Approved Drugs Policy (Pharmacy-32).
- 9. All utilization management requirements outlined in this policy are compliant with applicable New York State insurance laws and regulations. Policies will be reviewed and updated as necessary to ensure ongoing compliance with all state and federally mandated coverage requirements.

#### CODES:

Eligibility for reimbursement is based upon the benefits set forth in the member's subscriber contract. CODES MAY NOT BE COVERED UNDER ALL CIRCUMSTANCES. PLEASE READ THE POLICY AND GUIDELINES STATEMENTS CAREFULLY.

Codes may not be all inclusive as the AMA and CMS code updates may occur more frequently than policy updates.

#### Code Key:

Experimental/Investigational = (E/I),

Not medically necessary/appropriate = (NMN).

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## **HCPCS**:

J3490 Prevymis injection, for intravenous use

#### **UPDATES:**

| Date:      | Revision:                         |
|------------|-----------------------------------|
| 01/01/2026 | Effective & Posted                |
| 10/31/2025 | Created                           |
| 08/14/2025 | Reviewed & P&T Committee Approval |

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