

## PHARMACY POLICY STATEMENT Kentucky Medicaid

DRUG NAME	Kymriah (tisagenlecleucel)
BILLING CODE	Q2040 (1 unit = 250 million T cells)
BENEFIT TYPE	Medical
SITE OF SERVICE ALLOWED	Outpatient/Hospital
COVERAGE REQUIREMENTS	Prior Authorization Required (Non-Preferred Product) QUANTITY LIMIT— see <b>Dosage allowed</b> below
LIST OF DIAGNOSES CONSIDERED <b>NOT</b> MEDICALLY NECESSARY	<a href="#">Click Here</a>

Kymriah (tisagenlecleucel) is a **non-preferred** product and will only be considered for coverage under the **medical** benefit when the following criteria are met:

Members must be clinically diagnosed with one of the following disease states and meet their individual criteria as stated.

### ACUTE LYMPHOBLASTIC LEUKEMIA (ALL) – for autologous use only

For **initial** authorization:

1. Member is 3-25 years of age and has documentation of CD19 tumor expression; AND
2. Member has B-cell acute lymphoblastic leukemia that is refractory or in second or later relapse as defined by **one** of the following:
  - a) 2nd or greater Bone Marrow (BM) relapse;
  - b) Any BM relapse after allogeneic stem cell transplantation (SCT) and must be > 6 months from SCT at the time of CAR-T cell immunotherapy infusion;
  - c) Refractory as defined by not achieving a complete remission (CR) after 2 cycles of a standard chemotherapy regimen chemotherapy regimen or chemorefractory as defined by not achieving a CR after 1 cycle of standard chemotherapy for relapse leukemia;
  - d) Member with Philadelphia chromosome positive (Ph+) acute lymphoblastic leukemia that is intolerant to or have failed 2 lines of tyrosine kinase inhibitor (TKI) therapy (e.g. imatinib mesylate (Gleevec), dasatinib (Sprycel), nilotinib (Tasigna) or ponatinib (Iclusig)), or if TKI therapy is contraindicated;
  - e) Member is not eligible for allogeneic SCT; AND
3. Member has been screened for hepatitis B virus (HBV), hepatitis C virus (HCV), and human immunodeficiency virus (HIV) prior to collection of cells (leukapheresis); AND
4. Healthcare facility/provider has enrolled in the Kymriah REMS and has training on the management of cytokine release syndrome (CRS) and neurological toxicities; AND
5. Member must be premedicated with acetaminophen and an H1-antihistamine, and tocilizumab (Actemra) must be available in healthcare facility prior to infusion; AND
6. Member has a life expectancy > 12 weeks; AND
7. Member does **not** have history of ALL of the following:
  - a) Prior CAR-T therapy;
  - b) Concomitant genetic syndrome (e.g., Fanconi anemia, Kostmann syndrome, Shwachman syndrome or any other known bone marrow failure syndrome);
  - c) Burkitt's lymphoma/leukemia;

- d) Malignancy, except carcinoma in situ of the skin or cervix treated with curative intent and with no evidence of active disease;
  - e) Prior treatment with gene therapy product;
  - f) Presence of Grade 2 to 4 acute or extensive chronic graft-versus-host disease (GVHD);
  - g) Active or latent hepatitis B or active hepatitis C or HIV.
8. **Dosage allowed:** Weight 50 kg or less: administer 0.2 to 5.0 x 10<sup>6</sup> CAR-positive viable T cells per kg body weight intravenously. Weight above 50 kg: administer 0.1 to 2.5 x 10<sup>8</sup> total CAR-positive viable T cells (non-weight based) intravenously.

***If member meets all the requirements listed above, the medication will be approved for 3 months.***

For **reauthorization**:

1. Kymriah will not be reauthorized for continued therapy.

### **LARGE B-CELL LYMPHOMA – for autologous use only**

For **initial** authorization:

1. Member is being use for adult member (18 years old or older) with has relapsed or refractory large B-cell lymphoma (diffuse large B-cell lymphoma (DLBCL) not otherwise specified, high grade B-cell lymphoma, or DLBCL arising from follicular lymphoma); AND
2. Member has received ≥ 2 lines of chemotherapy, including rituximab and anthracycline, or relapsed following autologous hematopoietic stem cell transplantation (HSCT); AND
3. Member does **not** have ALL of the following:
  - a) Active central nervous system malignancy;
  - b) Prior allogenic HSCT;
  - c) ECOG performance status ≥ 2;
  - d) Creatinine clearance < 60;
  - e) Alanine aminotransferase > 5 times normal;
  - f) Cardiac ejection fraction < 45%;
  - g) Absolute lymphocyte concentration less than 300/μL;
  - h) Active replication of or prior infection with hepatitis B or active hepatitis C (HCV RNA positive);
  - i) HIV positive; AND
4. Healthcare facility/provider has enrolled in the Kymriah REMS and has training on the management of cytokine release syndrome (CRS) and neurological toxicities; AND
5. Member must be premedicated with acetaminophen and an H1-antihistamine, and tocilizumab (Actemra) must be available in healthcare facility prior to infusion; AND
6. Member has a life expectancy > 12 weeks; AND
7. Member has not received prior CAR-T therapy.
8. **Dosage allowed:** Administer 0.6 to 6.0 x 10<sup>8</sup> CAR-positive viable T cells.

***If member meets all the requirements listed above, the medication will be approved for 3 months.***

For **reauthorization**:

1. Kymriah will not be reauthorized for continued therapy.

**CareSource considers Kymriah (tisagenlecleucel) not medically necessary for the treatment of the following disease states based on a lack of robust clinical controlled trials showing superior efficacy compared to currently available treatments:**



- Primary central nervous system lymphoma

DATE	ACTION/DESCRIPTION
10/24/2017	New policy for Kymriah created.
08/27/2018	New indication of Large B-cell lymphoma was added. Criteria expanded for ALL diagnosis for member's disease history requirement.

References:

1. Kymriah [package insert]. East Hanover, NJ; Novartis Pharmaceuticals Corp., May 2018.
2. The Leukemia & Lymphoma Society (LLS). Ph-Positive ALL Therapy. Available at <https://www.lls.org/leukemia/acute-lymphoblastic-leukemia/treatment/ph-positive-all-therapy>.
3. ClinicalTrials.gov. Identifier NCT02228096. Study of Efficacy and Safety of CTL019 in Pediatric ALL Patients. Available at <https://clinicaltrials.gov/ct2/show/NCT02228096?term=tisagenlecleucel&rank=1>. Accessed in October, 2017.
4. Maude SL, et al. Tisagenlecleucel in Children and Young Adults with B-Cell Lymphoblastic Leukemia. N Engl J Med. 2018;378(5):439-448. [PubMed 29385370]
5. Schuster SJ, et al. Primary analysis of Juliet: a global, pivotal, phase 2 trial of CTL019 in adult patients with relapsed or refractory diffuse large B-cell lymphoma. Blood. 2017;130(s1):577 [Abstract 577 from 2017 ASH annual meeting].
6. NCCN Guidelines. Acute Lymphoblastic Leukemia. V.1.2018
7. NCCN Guidelines. Non-Hodgkins Lymphoma. V.4.2018.

Effective date: 09/07/2018

Revised date: 08/27/2018