

Tumor Specific *BCR/ABL1* Quantitation and Breakpoint Analysis

- I. Tumor specific *BCR/ABL1* quantitation and breakpoint analysis (0016U, 0040U, 81206, 81207) in hematologic malignancies is considered **medically necessary** when:
 - A. The member is suspected to have a [myeloproliferative neoplasm](#) (i.e., polycythemia vera, essential thrombocythemia, primary myelofibrosis, and chronic myeloid leukemia), **OR**
 - B. The member is undergoing workup for or to monitor disease progression (i.e., for minimal residual disease (MRD) monitoring) of:
 1. Acute lymphoblastic leukemia (ALL), **OR**
 2. Acute myeloid leukemia (AML), **OR**
 3. Chronic myelogenous leukemia (CML), **OR**
 4. B-cell lymphoma.

NOTES AND DEFINITIONS

1. **Myeloproliferative Neoplasms** are rare overlapping blood diseases in which the bone marrow makes too many red blood cells, white blood cells, or platelets.

There are seven subcategories of myeloproliferative neoplasms:

- Chronic myeloid leukemia (CML)
- Polycythemia vera (PV)
- Primary myelofibrosis (PMF)
- Essential thrombocytopenia (ET)
- Chronic neutrophilic leukemia
- Chronic eosinophilic leukemia
- Chronic eosinophilic leukemia-not otherwise specified
- MPN, unclassifiable (MPN-U)

REFERENCES

1. National Comprehensive Cancer Network (NCCN). NCCN Clinical Practice Guidelines in Oncology: Acute Myeloid Leukemia. Version 4.2023.
https://www.nccn.org/professionals/physician_gls/pdf/aml.pdf
2. National Comprehensive Cancer Network (NCCN). NCCN Clinical Practice Guidelines in Oncology: Myeloproliferative Neoplasms. Version 1.2023
https://www.nccn.org/professionals/physician_gls/pdf/mpn.pdf
3. National Comprehensive Cancer Network (NCCN). NCCN Clinical Practice Guidelines in Chronic Myeloid Leukemia. Version 1.2024.
https://www.nccn.org/professionals/physician_gls/pdf/cml.pdf
4. National Comprehensive Cancer Network (NCCN). NCCN Clinical Practice Guidelines in Pediatric Acute Lymphoblastic Leukemia. Version 2.2023.
https://www.nccn.org/professionals/physician_gls/pdf/ped_all.pdf
5. National Comprehensive Cancer Network (NCCN). NCCN Clinical Practice Guidelines in Acute Lymphoblastic Leukemia. Version 2.2023.
https://www.nccn.org/professionals/physician_gls/pdf/all.pdf
6. National Comprehensive Cancer Network (NCCN). NCCN Clinical Practice Guidelines in B-Cell Lymphomas. Version 5.2023.
https://www.nccn.org/professionals/physician_gls/pdf/b-cell.pdf