



Short-Acting Granulocyte Colony Stimulating Factors (SA-gCSF):

**Filgrastim (Neupogen®); Filgrastim-aafi (Nivestym™);
Filgrastim-sndz (Zarxio®); Filgrastim-ayow (Releuko®);
Tbo-Filgrastim (Granix®); Filgrastim-txid (Nypozi™)
(Subcutaneous/Intravenous)**

Document Number: IC-0235

Last Review Date: 09/05/2024

Date of Origin: 10/17/2008

Dates Reviewed: 06/2009, 12/2009, 06/2010, 07/2010, 09/2010, 12/2010, 03/2011, 6/2011, 09/2011, 12/2011, 03/2012, 06/2012, 09/2012, 12/2012, 03/2013, 06/2013, 09/2013, 12/2013, 03/2014, 06/2014, 09/2014, 12/2014, 03/2015, 04/2015, 08/2015, 11/2015, 02/2016, 05/2016, 08/2016, 11/2016, 02/2017, 05/2017, 08/2017, 11/2017, 02/2018, 05/2018, 04/2019, 04/2020, 04/2021, 04/2022, 07/2022, 04/2023, 04/2024, 08/2024, 09/2024

I. Length of Authorization

Prior authorization validity will be provided for 6 months and may be renewed.

II. Dosing Limits

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

– Neupogen 300 mcg single-dose vial: 2 vials per 1 day – Neupogen 300 mcg single-dose prefilled syringe (SingleJect): 2 syringes per 1 day – Neupogen 480 mcg single-dose vial: 2 vials per 1 day – Neupogen 480 mcg single-dose prefilled syringe (SingleJect): 2 syringes per 1 day
– Nivestym 300 mcg single-dose vial: 2 vials per 1 day – Nivestym 300 mcg single-dose prefilled syringe: 2 syringes per 1 day – Nivestym 480 mcg single-dose vial: 2 vials per 1 day – Nivestym 480 mcg single-dose prefilled syringe: 2 syringes per 1 day
– Zarxio 300 mcg single-dose vial: 2 vials per 1 day – Zarxio 300 mcg single-dose prefilled syringe: 2 syringes per 1 day – Zarxio 480 mcg single-dose vial: 2 vials per 1 day – Zarxio 480 mcg single-dose prefilled syringe: 2 syringes per 1 day
– Releuko 300 mcg single-dose vial: 2 vials per 1 day – Releuko 300 mcg single-dose prefilled syringe: 2 syringes per 1 day – Releuko 480 mcg single-dose vial: 2 vials per 1 day – Releuko 480 mcg single-dose prefilled syringe: 2 syringes per 1 day
– Granix 300 mcg single-dose vial: 2 vials per 1 day – Granix 300 mcg single-dose pre-filled syringe: 2 syringes per 1 day

– Granix 480 mcg single-dose vial: 2 vials per 1 day – Granix 480 mcg single-dose pre-filled syringe: 2 syringes per 1 day
– Nypozi 300 mcg single-dose prefilled syringe: 2 syringes per 1 day – Nypozi 480 mcg single-dose prefilled syringe: 2 syringes per 1 day

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

Severe Chronic Neutropenia (Congenital Neutropenia):

- 1560 billable units per day

BMT or PBPC or H-ARS:

- 1200 billable units per day

All other indications:

- 600 billable units per day

III. Initial Approval Criteria

Prior authorization validity is provided in the following conditions:

- Member must have failed, or have a contraindication, or intolerance to Granix OR Zarxio prior to consideration of another short-acting gCSF product; **AND**

Bone Marrow Transplant (BMT) † ‡ Φ^{1-4,6,7}

Peripheral Blood Progenitor Cell (PBPC) mobilization and transplant † ‡ Φ^{1-3,6,7,20,31,34,36-38}

Prophylactic use in members with solid tumors or non-myeloid malignancy † ‡^{1-8,10,11,13,14,16,18,28-30}

- Member is undergoing myelosuppressive chemotherapy with an expected incidence of febrile neutropenia❖ of > 20% §; **OR**
- Member is undergoing myelosuppressive chemotherapy with an expected incidence of febrile neutropenia❖ of 10% to 20% § **AND one** or more of the member-related risk factors ¥; **OR**
- Member is undergoing myelosuppressive chemotherapy with an expected incidence of febrile neutropenia❖ of < 10% § **AND two** or more of the member-related risk factors ¥ **

***Use in this setting is based on clinical judgment*

Note: Dose-dense therapy, in general, requires growth factor support to maintain dose intensity and schedule. In the palliative setting, consideration should be given to dose reduction or change in regimen.

Treatment of chemotherapy-induced febrile neutropenia ‡^{7,8,10,11,13,14,16,18,28-30}

- Member has been on prophylactic therapy with filgrastim or tbo-filgrastim (*Note: therapy should not be used concomitantly with pegfilgrastim*); **OR**
- Member has not received prophylactic therapy with a granulocyte colony stimulating factor; **AND**
 - Member has one or more of the following risk factors for developing infection-related complications:
 - Sepsis Syndrome
 - Age greater than 65 years

- Absolute neutrophil count [ANC] less than 100/mcL
- Duration of neutropenia expected to be greater than 10 days
- Pneumonia or other clinically documented infections
- Invasive fungal infection
- Hospitalization at the time of fever
- Prior episode of febrile neutropenia

Member who experienced a neutropenic complication from a prior cycle of the same chemotherapy † ‡ Φ^{7,8,10,11,13,14,16,18,28-30}

Note: Dose-dense therapy, in general, requires growth factor support to maintain dose intensity and schedule. In the palliative setting, consideration should be given to dose reduction or change in regimen.

Acute Myeloid Leukemia (AML) † ‡ Φ^{1-4,6,9,15,36}

- Used in members receiving induction/consolidation or re-induction chemotherapy; **OR**
- Used for relapsed or refractory disease

Bone Marrow Transplantation (BMT) failure or Engraftment Delay ‡^{26,27,31,34,36-38}

Severe Chronic Neutropenia † ‡ Φ^{1-4,6,12}

- Member must have an absolute neutrophil count (ANC) < 500/mm³; **AND**
- Member must have a diagnosis of one of the following:
 - Congenital neutropenia; **OR**
 - Cyclic neutropenia; **OR**
 - Idiopathic neutropenia

Myelodysplastic Syndromes (MDS) ‡^{7,39}

- Member has symptomatic anemia with no del(5q) mutation; **AND**
- Member has lower risk disease (*i.e., defined as IPSS-R [Very Low, Low, Intermediate]*); **AND**
- Member has a serum erythropoietin level of ≤500 mUnits/mL; **AND**
- Used in combination with an erythropoiesis stimulating agent (ESA); **AND**
 - Member has ring sideroblasts ≥15% (or ring sideroblasts ≥5% with an SF3B1 mutation); **AND**
 - Used following no response* to luspatercept; **OR**
 - Member has ring sideroblasts <15% (or ring sideroblasts <5% with an SF3B1 mutation); **AND**
 - Used following no response* to ESAs alone (despite adequate iron stores); **OR**
 - Used following no response* to luspatercept

* **Note:** No response defined as a lack of ≥1.5 gm/dL rise in hemoglobin **OR** lack of a decrease in RBC transfusion requirement (within 3-6 months if treated with luspatercept or 6-8 weeks if treated with ESAs)

Members acutely exposed to myelosuppressive doses of radiation (Hematopoietic Subsyndrome of Acute Radiation Syndrome [H-ARS]) † ‡ Φ^{1-4,6-8,19}

Management of CAR T-cell related Toxicity ‡ ⁷

- Member has been receiving therapy with CAR T-cell therapy (e.g., axicabtagene ciloleucel, brexucabtagene autoleucel, ciltacabtagene autoleucel, idecabtagene vicleucel, lisocabtagene maraleucel, tisagenlecleucel, etc.); **AND**
- Member is experiencing neutropenia related to their therapy

Wilms Tumor (Nephroblastoma) ‡ ⁷

- Member has favorable histology disease; **AND**
- Used in combination with a cyclophosphamide-based chemotherapy regimen (i.e., Regimen M or I only)

† FDA Approved Indication(s); ‡ Compendia Recommended Indication(s); Φ Orphan Drug

¥ Member risk factors for febrile neutropenia: ⁸

- Age >65 years receiving full dose intensity chemotherapy
- Prior exposure to chemotherapy or radiation therapy
- Persistent neutropenia (ANC ≤ 1000/mm³)
- Bone marrow involvement by tumor
- Member has a condition that can potentially increase the risk of serious infection (i.e., HIV/AIDS with low CD4 counts)
- Recent surgery and/or open wounds
- Poor performance status
- Renal dysfunction (creatinine clearance <50 mL/min)
- Liver dysfunction (elevated bilirubin >2.0 mg/dL)
- Chronic immunosuppression in the post-transplant setting, including organ transplant

❖ Febrile neutropenia is defined as: ⁸

- Temperature: a single temperature ≥38.3 °C orally or ≥38.0 °C over 1 hour; **AND**
- Neutropenia: <500 neutrophils/mcL or <1,000 neutrophils/mcL and a predicted decline to ≤500 neutrophils/mcL over the next 48 hours

§ Expected incidence of febrile neutropenia percentages for myelosuppressive chemotherapy regimens can be found in the NCCN Hematopoietic Growth Factors Clinical Practice Guideline at NCCN.org ⁸

IV. Renewal Criteria ¹⁻⁶

Prior authorization validity may be renewed based upon the following criteria:

- Member must have failed, or have a contraindication, or intolerance to Granix OR Zarxio prior to consideration of another short-acting gCSF product; **AND**
- Member continues to meet indication-specific relevant criteria such as concomitant therapy requirements (not including prerequisite therapy), performance status, etc. identified in section III; **AND**
- Absence of unacceptable toxicity from the drug. Examples of unacceptable toxicity include: splenic rupture, acute respiratory distress syndrome (ARDS), serious allergic reactions/anaphylaxis, sickle cell crisis, glomerulonephritis, leukocytosis, capillary leak syndrome, potential for tumor growth stimulation of malignant cells, aortitis, alveolar hemorrhage and

hemoptysis, thrombocytopenia, cutaneous vasculitis, MDS/AML (when used for congenital neutropenia or used in conjunction with chemotherapy and/or radiation for breast or lung cancer), etc.

V. Dosage/Administration ¹⁻⁶

Indication	Dose
BMT/PBPC/H-ARS	10 mcg/kg daily for up to 14 days
Congenital Neutropenia	6 mcg/kg twice daily
All other indications	5 mcg/kg daily for up to 14 days

VI. Billing Code/Availability Information

HCPCS Code(s):

- J1442 – Injection, filgrastim (g-csf), excludes biosimilars, 1 mcg: 1 billable unit = 1 mcg
- Q5110 – Injection, filgrastim-aafi, biosimilar, (Nivestym), 1 mcg: 1 billable unit = 1 mcg
- Q5101 – Injection, filgrastim-sndz, biosimilar, (Zarxio), 1 mcg: 1 billable unit = 1 mcg
- J1447 – Injection, tbo-filgrastim (Granix), 1 mcg: 1 billable unit = 1 mcg
- Q5125 – Injection, filgrastim-ayow, biosimilar, (Releuko), 1 mcg; 1 billable unit = 1 mcg
- J3590 – Unclassified biologics (*Nypozi ONLY*) (*Discontinue use on 04/01/2025*)
- C9173 – Injection, filgrastim-txid (nypozi), biosimilar, 1 microgram; 1 billable unit = 1 mcg (*Discontinue use on 04/01/2025*)
- Q5148 – Injection, filgrastim-txid (nypozi), biosimilar, 1 microgram; 1 billable unit = 1 mcg (*Effective 04/01/2025*)

NDC(s):

• Neupogen 300 mcg single-dose vial: 55513-0530-xx • Neupogen 300 mcg single-dose prefilled syringe (SingleJect): 55513-0924-xx • Neupogen 480 mcg single-dose vial: 55513-0546-xx • Neupogen 480 mcg single-dose prefilled syringe (SingleJect): 55513-0209-xx
• Nivestym 300 mcg single-dose vial: 00069-0293-xx • Nivestym 300 mcg single-dose prefilled syringe: 00069-0291-xx • Nivestym 480 mcg single-dose vial: 00069-0294-xx • Nivestym 480 mcg single-dose prefilled syringe: 00069-0292-xx
• Zarxio 300 mcg single-dose vial: 61314-0246-xx • Zarxio 300 mcg single-dose prefilled syringe: 61314-0318-xx • Zarxio 480 mcg single-dose vial: 61314-0266-xx • Zarxio 480 mcg single-dose prefilled syringe: 61314-0326-xx
• Releuko 300 mcg single-dose vial: 70121-1569-xx • Releuko 300 mcg single-dose prefilled syringe: 70121-1568-xx • Releuko 480 mcg single-dose vial: 70121-1571-xx

• Releuko 480 mcg single-dose prefilled syringe: 70121-1570-xx
• Granix 300 mcg single-dose vial: 63459-0918-xx • Granix 300 mcg single-dose prefilled syringe: 63459-0910-xx • Granix 480 mcg single-dose vial: 63459-0920-xx • Granix 480 mcg single-dose prefilled syringe: 63459-0912-xx
• Nypozi 300 mcg single-dose prefilled syringe: 72374-0101-xx • Nypozi 480 mcg single-dose prefilled syringe: 72374-0102-xx

VII. References

1. Neupogen [package insert]. Thousand Oaks, CA; Amgen Inc.; April 2023. Accessed March 2024.
2. Nivestym [package insert]. Lake Forest, IL; Hospira Inc.; February 2024. Accessed March 2024.
3. Zarxio [package insert]. Princeton, NJ; Sandoz Inc.; August 2024. Accessed August 2024.
4. Releuko [package insert]. Piscataway, NJ; Kashiv Biosciences, Inc.; September 2023. Accessed March 2024.
5. Granix [package insert]. North Wales, PA; Teva Pharmaceuticals USA, Inc.; November 2023. Accessed March 2024.
6. Nypozi [package insert]. San Diego, CA; Tanvex BioPharma USA, Inc.; June 2024. Accessed February 2025.
7. Referenced with permission from the NCCN Drugs & Biologics Compendium (NCCN Compendium®) filgrastim. National Comprehensive Cancer Network, 2024. The NCCN Compendium® is a derivative work of the NCCN Guidelines®. NATIONAL COMPREHENSIVE CANCER NETWORK®, NCCN®, and NCCN GUIDELINES® are trademarks owned by the National Comprehensive Cancer Network, Inc. To view the most recent and complete version of the Compendium, go online to NCCN.org. Accessed March 2024.
8. Referenced with permission from the NCCN Drugs & Biologics Compendium (NCCN Compendium®) Hematopoietic Growth Factors. Version 3.2023. National Comprehensive Cancer Network, 2024. The NCCN Compendium® is a derivative work of the NCCN Guidelines®. NATIONAL COMPREHENSIVE CANCER NETWORK®, NCCN®, and NCCN GUIDELINES® are trademarks owned by the National Comprehensive Cancer Network, Inc. To view the most recent and complete version of the Compendium, go online to NCCN.org. Accessed March 2024.
9. Heil G, Hoelzer D, Sanz MA, et al. A randomized, double-blind, placebo-controlled, phase III study of filgrastim in remission induction and consolidation therapy for adults with de novo acute myeloid leukemia. *Blood*. 1997;90:4710-4718.
10. Rusthoven J, Bramwell V, Stephenson B. Use of granulocyte colony-stimulating factor (G-CSF) in patients receiving myelosuppressive chemotherapy for the treatment of cancer. Provincial Systemic Treatment Disease Site Group. *Cancer Prev Control*. 1998;2(4):179-190.
11. Berghmans T, Paesmans M, Lafitte JJ, et al. Therapeutic use of granulocyte and granulocyte-macrophage colony-stimulating factors in febrile neutropenic cancer patients. A systematic review of the literature with meta-analysis. *Support Care Cancer*. 2002;10(3):181-188.

12. Dale DC, Bonilla MA, Davis MW, et al. A randomized controlled phase III trial of recombinant human granulocyte colony-stimulating factor (filgrastim) for treatment of severe chronic neutropenia. *Blood*. 1993;81(10):2496-2502.
13. Timmer-Bonte JN, de Boo TM, Smit HJ, et al. Prevention of chemotherapy-induced febrile neutropenia by prophylactic antibiotics plus or minus granulocyte colony-stimulating factor in small-cell lung cancer: A Dutch randomized Phase III study. *J Clin Oncol*. 2005;23:7974–84. doi: 10.1200/JCO.2004.00.7955.
14. Crawford J, Ozer H, Stoller R, et al. Reduction by granulocyte colony-stimulating factor of fever and neutropenia induced by chemotherapy in patients with small-cell lung cancer. *N Engl J Med*. 1991;325:164–70.
15. Lilienfeld-Toal M, Hahn-Ast C, Kirchner H, et al. A randomized comparison of immediate versus delayed application of G-CSF in induction therapy for patients with acute myeloid leukemia unfit for intensive chemotherapy. *Haematologica*. 2007;92:1719–1720.
16. García-Carbonero R, Mayordomo JI, Tornamira MV, et al. Granulocyte colony-stimulating factor in the treatment of high-risk febrile neutropenia: A multicenter randomized trial. *J Natl Cancer Inst*. 2001;93(1):31-38.
17. Heil G, Hoelzer D, Sanz MA, et al. A randomized, double-blind, placebo-controlled, phase III study of filgrastim in remission induction and consolidation therapy for adults with de novo acute myeloid leukemia. The International Acute Myeloid Leukemia Study Group. *Blood*. 1997;90(12):4710-4718.
18. Smith TJ, Bohlke K, Lyman GH, et al. Recommendations for the use of WBC growth factors: American Society of Clinical Oncology Clinical Practice Guideline Update. *J Clin Oncol*. 2015 Oct 1;33(28):3199-212. doi: 10.1200/JCO.2015.62.3488.
19. Farese AM, MacVittie TJ. Filgrastim for the treatment of hematopoietic acute radiation syndrome. *Drugs Today (Barc)* 2015;51:537-48.
20. Schmitt M, Publicover A, Orchard KH, et al. Biosimilar G-CSF based mobilization of peripheral blood hematopoietic stem cells for autologous and allogeneic stem cell transplantation. *Theranostics*. 2014;4(3):280-289.
21. Abraham I, Tharmarajah S, MacDonald K. Clinical safety of biosimilar recombinant human granulocyte colony-stimulating factors. *Expert Opin Drug Saf*. 2013;12(2):235-246.
22. Yao HM, Ottery FD, Borema T, et al. PF-06881893 (Nivestym™), a Filgrastim Biosimilar, Versus US-Licensed Filgrastim Reference Product (US-Neupogen®): Pharmacokinetics, Pharmacodynamics, Immunogenicity, and Safety of Single or Multiple Subcutaneous Doses in Healthy Volunteers. *BioDrugs*. 2019 Apr;33(2):207-220.
23. Lubenau H, Sveikata A, Gumbrevicius G, et al. Bioequivalence of two recombinant granulocyte colony-stimulating factor products after subcutaneous injection in healthy volunteers. *Int J Clin Pharmacol Ther*. 2009;47(4):275-282.
24. Gascon P, Fuhr U, Sörgel F, et al. Development of a new G-CSF product based on biosimilarity assessment. *Ann Oncol*. 2010 Jul;21(7):1419-29.
25. Kelaidi C, Beyne-Rauzy O, Braun T, et al. High Response rate and improved exercise capacity and quality of life with a new regimen of darbepoetin alfa with or without filgrastim in lower-risk myelodysplastic syndromes: a phase II study by the GFM. *Ann Hematol* 2013; 92:621-631.

26. Elayan MM, Horowitz JG, Magraner JM, et al. Tbo-Filgrastim versus Filgrastim during Mobilization and Neutrophil Engraftment for Autologous Stem Cell Transplantation. *Biol Blood Marrow Transplant*. 2015 Nov; 21(11):1921-5. doi: 10.1016/j.bbmt.2015.05.024.
27. Trifilio S, Zhou Z, Galvin J, et al. Filgrastim versus TBO-filgrastim to reduce the duration of neutropenia after autologous hematopoietic stem cell transplantation: TBO, or not TBO, that is the question. *Clin Transplant*. 2015 Oct 22. doi: 10.1111/ctr.12637.
28. del Giglio A, Eniu A, Ganea-Motan D, et al. XM02 is superior to placebo and equivalent to Neupogen in reducing the duration of severe neutropenia and the incidence of febrile neutropenia in cycle 1 in breast cancer patients receiving docetaxel/doxorubicin chemotherapy. *BMC Cancer*. 2008;8:332.
29. Gatzemeier U, Ciuleanu T, Dediu M, et al. XM02, the first biosimilar G-CSF, is safe and effective in reducing the duration of severe neutropenia and incidence of febrile neutropenia in patients with small cell or non-small cell lung cancer receiving platinum-based chemotherapy. *J Thorac Oncol*. 2009;4(6):736-40.
30. Engert A, Griskevicius L, Zyuzgin Y, et al. XM02, the first granulocyte colony-stimulating factor biosimilar, is safe and effective in reducing the duration of severe neutropenia and incidence of febrile neutropenia in patients with non-Hodgkin lymphoma receiving chemotherapy. *Leuk Lymphoma*. 2009;50(3):374-79.
31. Bhamidipati PK, Fiala MA, Grossman BJ, et al. Results of a prospective randomized, open-label, noninferiority study of tbo-filgrastim (Granix) versus filgrastim (Neupogen) in combination with Plerixafor for autologous stem cell mobilization in patients with multiple myeloma and non-Hodgkin lymphoma. *Biol Blood Marrow Transplant*. August 7, 2017
32. Engert A, del Giglio A, Bias P, et al. Incidence of febrile neutropenia and myelotoxicity of chemotherapy: A meta-analysis of biosimilar G-CSF studies in breast cancer, lung cancer, and non-Hodgkin's lymphoma. *Onkologie*. 2009;32(10):599-604.
33. Lubenau H, Bias P, Maly AK, et al. Pharmacokinetic and pharmacodynamic profile of new biosimilar filgrastim XM02 equivalent to marketed filgrastim Neupogen: Single-blind, randomized, crossover trial. *BioDrugs*. 2009;23(1):43-51.
34. Andreola G, Babic A, Rabascio C, et al. Plerixafor and Filgrastim XM02 (Tevagrastrim) as a first line peripheral blood stem cell mobilisation strategy in patients with multiple myeloma and lymphoma candidate to autologous bone marrow transplantation. *Eur J Haematol*. 2012;88(2):154-158.
35. Bagalagel A, Mohammed A, MacDonald K, Abraham I. Clinical efficacy and safety of Tevagrastrim® (XM02), a biosimilar recombinant human granulocyte colony-stimulating factor. *Biosimilars*. 2013;2013(3):55-62.
36. Danylesko I, Sareli R, Bloom-Varda N, et al. The use of Tevagrastrim (biosimilar filgrastim XM02) for hematopoietic stem cell mobilization In HLA matched sibling donors for allogeneic stem cell transplantation to AML/MDS patients. *Blood*. 2013;122(21):3275.
37. Schmitt M, Xu X, Hilgendorf I, et al. Mobilization of PBSC for allogeneic transplantation by the use of the G-CSF biosimilar XM02 in healthy donors. *Bone Marrow Transplant*. 2013;48(7):922-925
38. Schmitt M, Hoffmann JM, Lorenz K, et al. Mobilization of autologous and allogeneic peripheral blood stem cells for transplantation in haematological malignancies using biosimilar G-CSF. *Vox Sang*. 2016;111(2):178-186.
39. Referenced with permission from the NCCN Drugs & Biologics Compendium (NCCN Compendium®) Myelodysplastic Syndromes. Version 1.2024. National Comprehensive Cancer Network, 2024. The NCCN Compendium® is a derivative work of the NCCN Guidelines®.

NATIONAL COMPREHENSIVE CANCER NETWORK®, NCCN®, and NCCN GUIDELINES® are trademarks owned by the National Comprehensive Cancer Network, Inc. To view the most recent and complete version of the Compendium, go online to [NCCN.org](https://www.nccn.org). Accessed March 2024.

40. Palmetto GBA. Local Coverage Determination: White Cell Colony Stimulating Factors (A56748). Centers for Medicare & Medicaid Services, Inc. Updated on 08/10/2023 with effective date 10/01/2023. Accessed March 2024.

Appendix 1 – Covered Diagnosis Codes

ICD-10	ICD-10 Description
C64.1	Malignant neoplasm of right kidney, except renal pelvis
C64.2	Malignant neoplasm of left kidney, except renal pelvis
C64.9	Malignant neoplasm of unspecified kidney, except renal pelvis
C92.00	Myeloid leukemia not having achieved remission
C92.01	Acute myeloblastic leukemia, in remission
C92.02	Myeloid leukemia in relapse
C92.50	Acute myelomonocytic leukemia not having achieved remission
C92.51	Acute myelomonocytic leukemia, in remission
C92.52	Acute myelomonocytic leukemia in relapse
C92.60	Acute myeloid leukemia with 11q23-abnormality not having achieved remission
C92.61	Acute myeloid leukemia with 11q23-abnormality in remission
C92.62	Acute myeloid leukemia with 11q23-abnormality in relapse
C92.A0	Acute myeloid leukemia with multilineage dysplasia not having achieved remission
C92.A1	Acute myeloid leukemia with multilineage dysplasia, in remission
C92.A2	Acute myeloid leukemia with multilineage dysplasia in relapse
C93.00	Acute monoblastic/monocytic leukemia not having achieved remission
C93.01	Acute monoblastic/monocytic leukemia, in remission
C93.02	Acute monoblastic/monocytic leukemia in relapse
C93.10	Chronic myelomonocytic leukemia, not having achieved remission
D46.0	Refractory anemia without ring sideroblasts, so stated
D46.1	Refractory anemia with ring sideroblasts
D46.20	Refractory anemia with excess of blasts, unspecified
D46.21	Refractory anemia with excess of blasts 1
D46.4	Refractory anemia, unspecified
D46.9	Myelodysplastic syndrome, unspecified
D46.A	Refractory cytopenia with multilineage dysplasia
D46.B	Refractory cytopenia with multilineage dysplasia and ring sideroblasts
D46.Z	Other myelodysplastic syndrome

ICD-10	ICD-10 Description
D61.810	Antineoplastic chemotherapy induced pancytopenia
D70.0	Congenital agranulocytosis
D70.1	Agranulocytosis secondary to cancer chemotherapy
D70.2	Other drug-induced agranulocytosis
D70.4	Cyclic neutropenia
D70.9	Neutropenia, unspecified
T45.1X5A	Adverse effect of antineoplastic and immunosuppressive drugs initial encounter
T45.1X5D	Adverse effect of antineoplastic and immunosuppressive drugs subsequent encounter
T45.1X5S	Adverse effect of antineoplastic and immunosuppressive drugs sequela
T66.XXXA	Radiation sickness, unspecified, initial encounter
T66.XXXD	Radiation sickness, unspecified, subsequent encounter
T66.XXXS	Radiation sickness, unspecified, sequela
T80.82XA	Complication of immune effector cellular therapy, initial encounter
T80.82XS	Complication of immune effector cellular therapy, sequela
T80.89XA	Other complications following infusion, transfusion and therapeutic injection, initial encounter
T80.89XS	Other complications following infusion, transfusion and therapeutic injection, sequela
W88.1	Exposure to radioactive isotopes
W88.8	Exposure to other ionizing radiation
Z41.8	Encounter for other procedures for purposes other than remedying health state
Z48.290	Encounter for aftercare following bone marrow transplant
Z51.11	Encounter for antineoplastic chemotherapy
Z51.12	Encounter for antineoplastic immunotherapy
Z51.89	Encounter for other specified aftercare
Z52.001	Unspecified donor, stem cells
Z52.011	Autologous donor, stem cells
Z52.091	Other blood donor, stem cells
Z76.89	Persons encountering health services in other specified circumstances
Z94.81	Bone marrow transplant status
Z94.84	Stem cells transplant status

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

The preceding information is intended for non-Medicare coverage determinations. 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 Determinations (NCDs) and/or Local Coverage Determinations (LCDs) may exist and compliance with these policies is required where applicable. Local Coverage Articles (LCAs) may also exist for claims payment purposes or to clarify benefit eligibility under Part B for drugs which may be self-administered. The following link may be used to search for NCD, LCD, or LCA documents: <https://www.cms.gov/medicare-coverage-database/search.aspx>. Additional indications, including any preceding information, may be applied at the discretion of the health plan.

Medicare Part B Covered Diagnosis Codes		
Jurisdiction	NCD/LCA/LCD Document (s)	Contractor
J, M	A56748	Palmetto GBA

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
M (11)	NC, SC, WV, VA (excluding below)	Palmetto GBA
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