



AETNA BETTER HEALTH®  
Coverage Policy/Guideline

Name:	Neulasta and pegfilgrastim biosimilars	Page:	1 of 9
Effective Date:	12/29/2025	Last Review Date:	12/8/2025
Applies to:	<input checked="" type="checkbox"/> Illinois		

### Intent:

The intent of this policy/guideline is to provide information to the prescribing practitioner outlining the coverage criteria for Neulasta and pegfilgrastim biosimilars under the patient's prescription drug benefit.

### Description:

The indications below including FDA-approved indications and compendial uses are considered a covered benefit provided that all the approval criteria are met and the member has no exclusions to the prescribed therapy.

#### A. FDA-Approved Indication

##### **Neulasta**

1. Patients with Cancer Receiving Myelosuppressive Chemotherapy  
Neulasta is indicated to decrease the incidence of infection, as manifested by febrile neutropenia, in patients with non-myeloid malignancies receiving myelosuppressive anti-cancer drugs associated with a clinically significant incidence of febrile neutropenia.
2. Hematopoietic Subsyndrome of Acute Radiation Syndrome  
Neulasta is indicated to increase survival in patients acutely exposed to myelosuppressive doses of radiation (Hematopoietic Subsyndrome of Acute Radiation Syndrome).

##### **Fulphila**

Patients with Cancer Receiving Myelosuppressive Chemotherapy  
Fulphila is indicated to decrease the incidence of infection, as manifested by febrile neutropenia, in patients with non-myeloid malignancies receiving myelosuppressive anti-cancer drugs associated with a clinically significant incidence of febrile neutropenia

##### **Udenyca**

Patients with Cancer Receiving Myelosuppressive Chemotherapy  
Udenyca is indicated to decrease the incidence of infection, as manifested by febrile neutropenia, in patients with non-myeloid malignancies receiving myelosuppressive anti-cancer drugs associated with a clinically significant incidence of febrile neutropenia.

##### **Ziextenzo**

Patients with Cancer Receiving Myelosuppressive Chemotherapy  
Ziextenzo is indicated to decrease the incidence of infection, as manifested by febrile neutropenia, in patients with non-myeloid malignancies receiving myelosuppressive anti-cancer drugs associated with a clinically significant incidence of febrile neutropenia.



AETNA BETTER HEALTH®  
Coverage Policy/Guideline

Name:	Neulasta and pegfilgrastim biosimilars	Page:	2 of 9
Effective Date:	12/29/2025	Last Review Date:	12/8/2025
Applies to:	<input checked="" type="checkbox"/> Illinois		

### **Nyvepria**

Patients with Cancer Receiving Myelosuppressive Chemotherapy

Nyvepria is indicated to decrease the incidence of infection, as manifested by febrile neutropenia, in patients with non-myeloid malignancies receiving myelosuppressive anti-cancer drugs associated with a clinically significant incidence of febrile neutropenia.

### **Fylnetra**

Patients with Cancer Receiving Myelosuppressive Chemotherapy

Fylnetra is indicated to decrease the incidence of infection, as manifested by febrile neutropenia, in patients with non-myeloid malignancies receiving myelosuppressive anti-cancer drugs associated with a clinically significant incidence of febrile neutropenia.

### **Stimufend**

Patients with Cancer Receiving Myelosuppressive Chemotherapy

Stimufend is indicated to decrease the incidence of infection, as manifested by febrile neutropenia, in patients with non-myeloid malignancies receiving myelosuppressive anti-cancer drugs associated with a clinically significant incidence of febrile neutropenia.

## **B. Compendial Use**

1. Stem cell transplantation-related indications
2. Prophylaxis for chemotherapy-induced febrile neutropenia in patients with solid tumors
3. Hematopoietic Subsyndrome of Acute Radiation Syndrome
4. Hairy cell leukemia, neutropenic fever

All other indications are considered experimental/investigational and not medically necessary.

### **Applicable Drug List:**

Neulasta  
Fulphila  
Fylnetra  
Nyvepria  
Stimufend  
Udenyca  
Ziextenzo

### **Policy/Guideline:**

### **Documentation:**



AETNA BETTER HEALTH®  
Coverage Policy/Guideline

Name:	Neulasta and pegfilgrastim biosimilars	Page:	3 of 9
Effective Date:	12/29/2025	Last Review Date:	12/8/2025
Applies to:	<input checked="" type="checkbox"/> Illinois		

### Primary Prophylaxis of Febrile Neutropenia

- A. Documentation must be provided of the member's diagnosis and chemotherapeutic regimen.
- B. If chemotherapeutic regimen has a low or intermediate risk of febrile neutropenia (20% and less), documentation must be provided outlining the member's risk factors that confirm the member is at high risk for febrile neutropenia.

### Criteria for Initial Approval:

#### A. Prevention of neutropenia in cancer patients receiving myelosuppressive chemotherapy

Authorization of 6 months may be granted for prevention of febrile neutropenia when ALL the following criteria are met:

1. The requested medication will not be used in combination with other colony stimulating factors within any chemotherapy cycle.
2. The member will not receive chemotherapy at the same time as they receive radiation therapy.
3. The requested medication will not be administered with weekly chemotherapy regimens.
4. ONE of the following criteria is met (i or ii):
  - i. The requested medication will be used for primary prophylaxis in members with a solid tumor or non-myeloid malignancies who have received, are currently receiving, or will be receiving ANY of the following:
    - a. Myelosuppressive anti-cancer therapy that is expected to result in greater than 20% incidence of febrile neutropenia (FN) (*See Appendix A*).
    - b. Myelosuppressive anti-cancer therapy that is expected to result in 10 – 20% risk of FN (*See Appendix B*) and who are considered to be at high risk of FN because of bone marrow compromise, co-morbidities, or other patient specific risk factors (*See Appendix C*).
    - c. Myelosuppressive anti-cancer therapy that is expected to result in less than 10% risk of FN and who have at least 2 patient-related risk factors (*See Appendix C*).
  - ii. The requested medication will be used for secondary prophylaxis in members with solid tumors or non-myeloid malignancies who experienced a febrile neutropenic complication or a dose-limiting neutropenic event (a nadir or day of treatment count impacting the planned dose of chemotherapy) from a prior cycle of similar chemotherapy, with the same dose and scheduled planned for the current cycle (for which primary prophylaxis was not received).

#### B. Other indications

Authorization of 6 months may be granted for members with ANY of the following indications:

1. Stem cell transplantation-related indications



AETNA BETTER HEALTH®  
Coverage Policy/Guideline

Name:	Neulasta and pegfilgrastim biosimilars	Page:	4 of 9
Effective Date:	12/29/2025	Last Review Date:	12/8/2025
Applies to:	<input checked="" type="checkbox"/> Illinois		

2. Hematopoietic Subsyndrome of Acute Radiation Syndrome
3. Treatment for radiation-induced myelosuppression following a radiological/nuclear incident
4. Hairy cell leukemia  
Members with hairy cell leukemia with neutropenic fever following chemotherapy

**Continuation of Therapy:**

All members (including new members) requesting authorization for continuation of therapy must meet ALL requirements in the coverage criteria.

**Appendix:**

**A. APPENDIX A:**

Selected Chemotherapy Regimens with an Incidence of Febrile Neutropenia of Greater than 20%

This list is not comprehensive; there are other agents/regimens that have an intermediate/high risk for development of febrile neutropenia.

1. Acute Lymphoblastic Leukemia:  
Select ALL regimens as directed by treatment protocol (see NCCN guidelines ALL)
2. Bladder Cancer:  
Dose dense MVAC (methotrexate, vinblastine, doxorubicin, cisplatin)
3. Bone Cancer
  - i. VAI (vincristine, doxorubicin or dactinomycin, ifosfamide)
  - ii. VDC-IE (vincristine, doxorubicin or dactinomycin, and cyclophosphamide alternating with ifosfamide and etoposide)
  - iii. Cisplatin/doxorubicin
  - iv. VDC (cyclophosphamide, vincristine, doxorubicin or dactinomycin)
  - v. VIDE (vincristine, ifosfamide, doxorubicin or dactinomycin, etoposide)
4. Breast Cancer:
  - i. Dose-dense AC (doxorubicin, cyclophosphamide) + paclitaxel (or dose dense paclitaxel)
  - ii. TAC (docetaxel, doxorubicin, cyclophosphamide)
  - iii. TC (docetaxel, cyclophosphamide)
  - iv. TCH (docetaxel, carboplatin, trastuzumab)
5. Head and Neck Squamous Cell Carcinoma  
TPF (docetaxel, cisplatin, 5-fluorouracil)
6. Hodgkin Lymphoma:
  - i. Brentuximab vedotin + AVD (doxorubicin, vinblastine, dacarbazine)
  - ii. Nivolumab + AVD (doxorubicin, vinblastine, dacarbazine)



AETNA BETTER HEALTH®  
Coverage Policy/Guideline

Name: Neulasta and pegfilgrastim biosimilars Page: 5 of 9

Effective Date: 12/29/2025 Last Review Date: 12/8/2025

Applies to:  Illinois

- iii. Escalated BEACOPP (bleomycin, etoposide, doxorubicin, cyclophosphamide, vincristine, procarbazine, prednisone)
  - iv. BrECADD (brentuximab vedotin, etoposide, cyclophosphamide, doxorubicin, dacarbazine, dexamethasone)
7. Kidney Cancer:  
Doxorubicin/gemcitabine
8. Non-Hodgkin's Lymphoma:
- i. CHP (cyclophosphamide, doxorubicin, prednisone) + brentuximab vedotin
  - ii. Dose-adjusted EPOCH (etoposide, prednisone, vincristine, cyclophosphamide, doxorubicin)
  - iii. ICE (ifosfamide, carboplatin, etoposide)
  - iv. Dose-dense CHOP-14 (cyclophosphamide, doxorubicin, vincristine, prednisone) ± rituximab
  - v. CHOP (cyclophosphamide, doxorubicin, vincristine, prednisone)
  - vi. MINE (mesna, ifosfamide, mitoxantrone, etoposide)
  - vii. DHAP (dexamethasone, cisplatin, cytarabine)
  - viii. ESHAP (etoposide, methylprednisolone, cisplatin, cytarabine (Ara-C))
  - ix. HyperCVAD ± rituximab (cyclophosphamide, vincristine, doxorubicin, dexamethasone ± rituximab)
  - x. Pola-R-CHP (polatuzumab vedotin-piiq, rituximab, cyclophosphamide, doxorubicin, prednisone)
9. Melanoma:  
Dacarbazine-based combination with IL-2, interferon alpha (dacarbazine, cisplatin, vinblastine, IL-2, interferon alfa)
10. Multiple Myeloma:
- i. VTD-PACE  
(dexamethasone/thalidomide/cisplatin/doxorubicin/cyclophosphamide/etoposide + bortezomib)
  - ii. DT-PACE  
(dexamethasone/thalidomide/cisplatin/doxorubicin/cyclophosphamide/etoposide)
11. Ovarian Cancer:
- i. Topotecan ± bevacizumab
  - ii. Docetaxel
  - iii. Carboplatin/docetaxel
12. Soft Tissue Sarcoma:
- i. MAID (mesna, doxorubicin, ifosfamide, dacarbazine)
  - ii. Doxorubicin
  - iii. Ifosfamide/doxorubicin



AETNA BETTER HEALTH®  
Coverage Policy/Guideline

Name:	Neulasta and pegfilgrastim biosimilars	Page:	6 of 9
Effective Date:	12/29/2025	Last Review Date:	12/8/2025
Applies to:	<input checked="" type="checkbox"/> Illinois		

13. Small Cell Lung Cancer:  
topotecan

14. Testicular Cancer:
- i. VeIP (vinblastine, ifosfamide, cisplatin)
  - ii. VIP (etoposide, ifosfamide, cisplatin)
  - iii. TIP (paclitaxel, ifosfamide, cisplatin)

15. Gestational Trophoblastic Neoplasia:
- i. EMA/EP (etoposide, methotrexate, dactinomycin/etoposide, cisplatin)
  - ii. EP/EMA (etoposide, cisplatin/etoposide, methotrexate, dactinomycin)
  - iii. TP/TE (paclitaxel, cisplatin/paclitaxel, etoposide)
  - iv. BEP (bleomycin, etoposide, cisplatin)
  - v. TIP (Paclitaxel, ifosfamide, cisplatin)
  - vi. VIP (etoposide, ifosfamide, cisplatin)
  - vii. ICE (ifosfamide, carboplatin, etoposide)

16. Wilms Tumor:
- i. Regimen M (vincristine, dactinomycin, doxorubicin, cyclophosphamide, etoposide)
  - ii. Regimen I (vincristine, doxorubicin, cyclophosphamide, etoposide)
  - iii. Revised Regimen UH-1 (vincristine, doxorubicin, cyclophosphamide, carboplatin, etoposide)
  - iv. Revised Regimen UH-2 (vincristine, doxorubicin, cyclophosphamide, carboplatin, etoposide, irinotecan)

\*Applies to chemotherapy regimens with or without monoclonal antibodies (e.g., trastuzumab, rituximab)

## **B. APPENDIX B:**

Selected Chemotherapy Regimens with an Incidence of Febrile Neutropenia of 10% to 20%

This list is not comprehensive; there are other agents/regimens that have an intermediate/high risk for development of febrile neutropenia.

1. Occult Primary – Adenocarcinoma:  
Gemcitabine/docetaxel
2. Breast Cancer:
  - i. Docetaxel ± trastuzumab
  - ii. AC (doxorubicin, cyclophosphamide) + sequential docetaxel (taxane portion only)
  - iii. AC + sequential docetaxel + trastuzumab
  - iv. Paclitaxel every 21 days every 21 days ± trastuzumab
  - v. Sacituzumab govitecan-hziy



AETNA BETTER HEALTH®  
Coverage Policy/Guideline

Name: Neulasta and pegfilgrastim biosimilars Page: 7 of 9

Effective Date: 12/29/2025 Last Review Date: 12/8/2025

Applies to:  Illinois

- vi. TC (docetaxel, cyclophosphamide)
- 3. Cervical Cancer:
  - i. Irinotecan
  - ii. Cisplatin/topotecan
  - iii. Paclitaxel/cisplatin
  - iv. Topotecan
- 4. Colorectal Cancer:  
FOLFIRINOX (fluorouracil, leucovorin, oxaliplatin, irinotecan)
- 5. Esophageal and Gastric Cancers:  
Irinotecan/cisplatin
- 6. Non-Hodgkin's Lymphomas:
  - i. GDP (gemcitabine, dexamethasone, cisplatin/carboplatin)
  - ii. GDP (gemcitabine, dexamethasone, cisplatin/carboplatin) + rituximab
  - iii. CHOP (cyclophosphamide, doxorubicin, vincristine, prednisone) including regimens with pegylated liposomal doxorubicin
  - iv. CHOP + rituximab (cyclophosphamide, doxorubicin, vincristine, prednisone, rituximab) including regimens with pegylated liposomal doxorubicin
  - v. Bendamustine
- 7. Non-Small Cell Lung Cancer:
  - i. Cisplatin/paclitaxel
  - ii. Cisplatin/vinorelbine
  - iii. Cisplatin/docetaxel
  - iv. Cisplatin/etoposide
  - v. Carboplatin/paclitaxel
  - vi. Docetaxel
- 8. Pancreatic Cancer:  
FOLFIRINOX (fluorouracil, leucovorin, oxaliplatin, irinotecan)
- 9. Prostate Cancer:  
Cabazitaxel
- 10. Small Cell Lung Cancer:  
Etoposide/carboplatin
- 11. Testicular Cancer:
  - i. BEP (bleomycin, etoposide, cisplatin)
  - ii. Etoposide/cisplatin
- 12. Uterine Sarcoma:  
Docetaxel



AETNA BETTER HEALTH®  
Coverage Policy/Guideline

Name:	Neulasta and pegfilgrastim biosimilars	Page:	8 of 9
Effective Date:	12/29/2025	Last Review Date:	12/8/2025
Applies to:	<input checked="" type="checkbox"/> Illinois		

\*Applies to chemotherapy regimens with or without monoclonal antibodies (e.g., trastuzumab, rituximab)

### **APPENDIX C: Patient Risk Factors**

This list is not all-inclusive.

- Active infections, open wounds, or recent surgery
- Age greater than or equal to 65 years
- Bone marrow involvement by tumor producing cytopenias
- Previous chemotherapy or radiation therapy
- Poor nutritional status
- Poor performance status
- Previous episodes of FN
- Other serious co-morbidities, including renal dysfunction, liver dysfunction, HIV infection, cardiovascular disease
- Persistent neutropenia

### **Approval Duration and Quantity Restrictions:**

**Approval:** 6 months

**Quantity Level Limit:** Neulasta/Fulphila/Fylnetra/Nyvepria/Stimufend/ Udenyca/Ziextenzo (pegfilgrastim) injection 6 mg per 0.6 mL solution: 2 per 28 days

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AETNA BETTER HEALTH®  
Coverage Policy/Guideline

Name: Neulasta and pegfilgrastim biosimilars Page: 9 of 9

Effective Date: 12/29/2025 Last Review Date: 12/8/2025

Applies to:  Illinois

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