

Supplemental online content for:

## **BBCIC Research Network Analysis of First-Cycle Prophylactic G-CSF Use in Patients Treated With High-Neutropenia Risk Chemotherapy**

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**eAppendix 1:** List of NDCs and HCPCS Codes Used for G-CSF Exposures in Patients With Breast or Lung Cancer

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### eAppendix 1. List of NDCs and HCPCS Codes Used for G-CSF Exposures in Patients With Breast or Lung Cancer

Medication	Code	Code Type
Filgrastim	54569482400	NDC
Filgrastim	54868252200	NDC
Filgrastim	54868252201	NDC
Filgrastim	54868305000	NDC
Filgrastim	54868502000	NDC
Filgrastim	55513020901	NDC
Filgrastim	55513020910	NDC
Filgrastim	55513020991	NDC
Filgrastim	55513034701	NDC
Filgrastim	55513034710	NDC
Filgrastim	55513034801	NDC
Filgrastim	55513034810	NDC
Filgrastim	55513053001	NDC
Filgrastim	55513053010	NDC
Filgrastim	55513054601	NDC
Filgrastim	55513054610	NDC
Filgrastim	55513092401	NDC
Filgrastim	55513092410	NDC
Filgrastim	55513092491	NDC
Filgrastim	J1440	HCPCS
Filgrastim	J1441	HCPCS
Filgrastim	J1442	HCPCS
Filgrastim	Q5101	HCPCS
Pegfilgrastim	54868522900	NDC
Pegfilgrastim	55513019001	NDC
Pegfilgrastim	55513019201	NDC
Pegfilgrastim	J2505	HCPCS
Tbo-filgrastim	61314030401	NDC
Tbo-filgrastim	61314030410	NDC
Tbo-filgrastim	61314031201	NDC
Tbo-filgrastim	61314031210	NDC
Tbo-filgrastim	63459091011	NDC
Tbo-filgrastim	63459091015	NDC
Tbo-filgrastim	63459091017	NDC
Tbo-filgrastim	63459091036	NDC
Tbo-filgrastim	63459091211	NDC
Tbo-filgrastim	63459091212	NDC
Tbo-filgrastim	63459091215	NDC
Tbo-filgrastim	63459091217	NDC
Tbo-filgrastim	63459091236	NDC
Tbo-filgrastim	J1446	HCPCS
Tbo-filgrastim	J1447	HCPCS

Abbreviations: G-CSF, granulocyte colony-stimulating factor; NDC, National Drug Code.

eAppendix 2. ICD-9-CM, CPT, and LOINC Codes Used to Identify Secondary Outcomes of G-CSF Use in Breast or Lung Cancer			
Outcome	ICD-9-CM Code	CPT Code	LOINC
Severe neutropenia defined by absolute neutrophil count			L0032013010104, L0032013010110, L0032013010204, L0032013010210, L0032013010304, L0032013010310, L0032013010404, L0032013010410, L0032013010504, L0032013010510, L0032013020104, L0032013020110, L0032013020204, L0032013020210, L0032013020304, L0032013020310, L0032013020404, L0032013020410, L0032013020504, L0032013020510, L0032013070104, L0032013070110, L0032013070204, L0032013070210, L0032013070304, L0032013070310, L0032013070404, L0032013070410, L0032013070504, L0032013070510
Anaphylaxis	995.2, 995.20, 995.27, 995.29, 995.3, 995.6×, 995.7, 995.0, 999.49		
Bone pain	730.×, 733.0×, 733.1×–733.9×, E934.×, E947.×		
Hyperleukocytosis	288.3, 288.4, 288.6, 288.8, 288.9		
Combined: glomerulonephritis, capillary leak syndrome, splenic rupture	580.×, 582.×, 448.9, 865.0, 865.1, 865.10, 865.12, 865.13, 865.14, 865.19	38100, 38101, 38102, 38815	

Abbreviation: G-CSF, granulocyte colony-stimulating factor; LOINC, Logical Observation Identifiers Names and Codes.

### eAppendix 3. Covariates With Potential Impact on Receipt or Outcomes Associated With G-CSF Prophylaxis in Breast or Lung Cancer

Combined comorbidity score	Metastatic liver cancer
Anaphylaxis	Metastatic disease
Anemia	Neutropenia
Arthritis	Peptic ulcer disease
Bone pain	Poor nutritional status
Bone marrow/stem cell transplant	Second cancer diagnosis
Cancer-related radiation	Splenic rupture
Capillary leak syndrome	Recent surgery/wounds
Congestive heart failure	Thyroid disorder
Chronic obstructive pulmonary disease	Chemotherapy regimens of interest <sup>a</sup>
Glomerulonephritis	Antibiotics
HIV/AIDS	Endocrine drug products
Hyperleukocytosis	Drug therapy for bone metastases (eg, bisphosphonates, denosumab)
Kidney disorder	Breast chemotherapy (regimen of interest) [breast cohort only]
Latex allergy	Other breast chemotherapy [breast cohort only]
Severe liver impairment	Other chemotherapy (not breast) [breast cohort only]
Lumpectomy/Mastectomy	Small cell lung cancer chemotherapy (regimen of interest) [small cell lung cancer cohort only]
Metastatic bone cancer	Other small cell lung chemotherapy [small cell lung cancer cohort only]
Metastatic brain cancer	Other chemotherapy (not lung) [small cell lung cancer cohort only]

Abbreviation: G-CSF, granulocyte colony-stimulating factor.

<sup>a</sup>Reported in Renner P, Milazzo S, Liu JP, et al. Primary prophylactic colony-stimulating factors for the prevention of chemotherapy-induced febrile neutropenia in breast cancer patients. *Cochrane Database Syst Rev* 2012;10:CD007913.