

4-20 pages maximum, including a Title Page and all components listed below.

Title:

Enhancing Provider Education and Improving Healthcare Disparities in Chronic Myeloid Leukemia (CML) and Multiple Myeloma (MM) through a Rural Regional North Carolina Hospital Network

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Organization

East Carolina University

Inclusive Dates of Project.

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Acknowledgment of Agency Support.

Pfizer Independent Grants for Learning and Change

Grant Award Number.

N/A

Structured Abstract (Select for Elements).

East Carolina University (ECU) and Vidant Medical Group (VMG) are pleased to submit this proposal entitled “Enhancing Provider Education and Improving Healthcare Disparities in Chronic Myeloid Leukemia (CML) and Multiple Myeloma (MM) through a Rural Regional North Carolina Hospital Network”. Funding of this proposal will provide training and standardize delivery of care for hematologic malignancies within an emerging regional Hematology Oncology Network that primarily serves a 29-county area of eastern North Carolina.

The main goal of this initiative is to ensure competency for physicians and nurses to provide state of the art care to patients with hematologic malignancies throughout eastern North Carolina. We have specifically chosen CML and MM because these disorders are likely to be treated in our regional facilities. We have seen rapid evolution of new diagnostic and treatment standards and believe the numbers of cases diagnosed each year in our region is manageable for a pilot educational project to keep providers abreast of changing standards for care of these malignancies.

In the two years of this project we will:

- 1) Expand provider knowledge of current national guidelines for diagnosis, treatment, and prognosis of CML and MM related to ordering, interpreting and implementing cytogenetic and molecular biomarker results. This will be achieved through a series of workshops, tumor boards, and online learning available to hematology oncology physicians.

- 2) Expand Nursing Education
 - a. Provide nursing education specifically related the 2013 Oncology Nursing Society (ONS/American Society of Oncology (ASCO) guidelines for chemotherapy, including the appropriate storage, administration, handling and disposal of medications. Special attention will be given to use of the newer oral treatments for CML and MM which has transformed care of these malignancies.
 - b. Provide nursing education about the latest molecular markers and diagnostic tests available to further ensure that appropriate tests are obtained for diagnosis and monitoring of therapy.

- 3) Patient education and assessment of compliance
 - a. Improve patient education about their specific hematologic malignancy and the expected outcomes as well as potential side effects of therapies. Improve patient compliance with complex regimens which frequently include oral medications where compliance is very important to achieving the best clinical outcome and identify barriers to compliance.

4) Evaluation of the success of the interventions using surveys to assess knowledge change and chart reviews to document adherence to NCCN guidelines.

Purpose (Objectives of Study).

- 1) Conduct baseline survey prior to study initiation
- 2) Convene physicians who diagnose and treat CML and MM for 4 face-to-face continuing educational workshops
- 3) To increase knowledge of NCCN guidelines to nursing staff providing patient education
- 4) Include CML and MM in monthly/bimonthly hospital-specific tumor board
- 5) Quarterly meetings held at each Vidant Hospital
- 6) Integrate Weekly Disease Specific Tumor Boards at Leo Jenkins Cancer Services
- 7) Patient Education and Monitoring

Scope (Background, Context, Settings, Participants, Incidence, Prevalence).

Methods (Study Design, Data Sources/Collection, Interventions, Measures, Limitations).

Results (Principal Findings, Outcomes, Discussion, Conclusions, Significance, Implications).

List of Publications and Products (Bibliography of Published Works and Electronic Resources from Study—Use AHRQ Citation Style for Reference Lists).