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Implementation of a Chemotherapy Guideline: A **Quality Improvement Project to Standardize the Chemotherapy Delivery Process**



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Purpose

Adjusting chemotherapy rates is one gap in chemotherapy practice that evokes inconsistency. The purpose of this project was to implement a standardized guideline for staff to utilize in adjusting rates of chemotherapy medications.

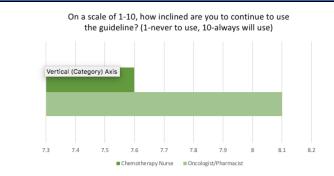
Synthesis of Evidence

- Currently, no formal document or tool exists for chemotherapy-trained RNs to follow in rate adjustments of chemotherapy.
- Timing of certain chemotherapy medications are flexible and adjusting rates does not affect treatment efficacy.

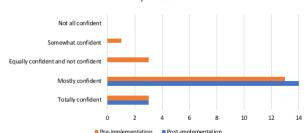
Methods

- Assemble interprofessional team.
- Develop guideline with adjusted timeframes based on evidencebased research and expert opinion.
- Disseminate education to all chemotherapy-trained RNs, oncologists, and pharmacists.
- Measure staff's perception of guideline, nursing confidence, and reducing the number of interruptions.

Results



How confident are you in the entire chemotherapy delivery



- Following eight weeks of implementation of the standardized guideline in practice, post-surveys were released.
- On a scale from 1-10, chemotherapy-trained RNs' (n=17) responses averaged 7.6 to continue to use the guideline. The oncologist and pharmacist stakeholder group (n=3) averaged 8.1.
- Post-assessment data demonstrated that 100% (*n*=17) of chemotherapy nurses felt mostly confident or totally confident in the entire chemotherapy delivery process compared to 80% (n=20) responding as mostly confident or totally confident in the pre-assessment survey.

Conclusions/Implications

- · The design of a standardized guideline yielded positive results from stakeholders, including improving nursing confidence.
- Standardization of chemotherapy administration holds promise however, future efforts in its implementation require an increase in survey response rate.
- · Reassess best practices and evidence-based knowledge and apply to the guideline as these will continue to develop.

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