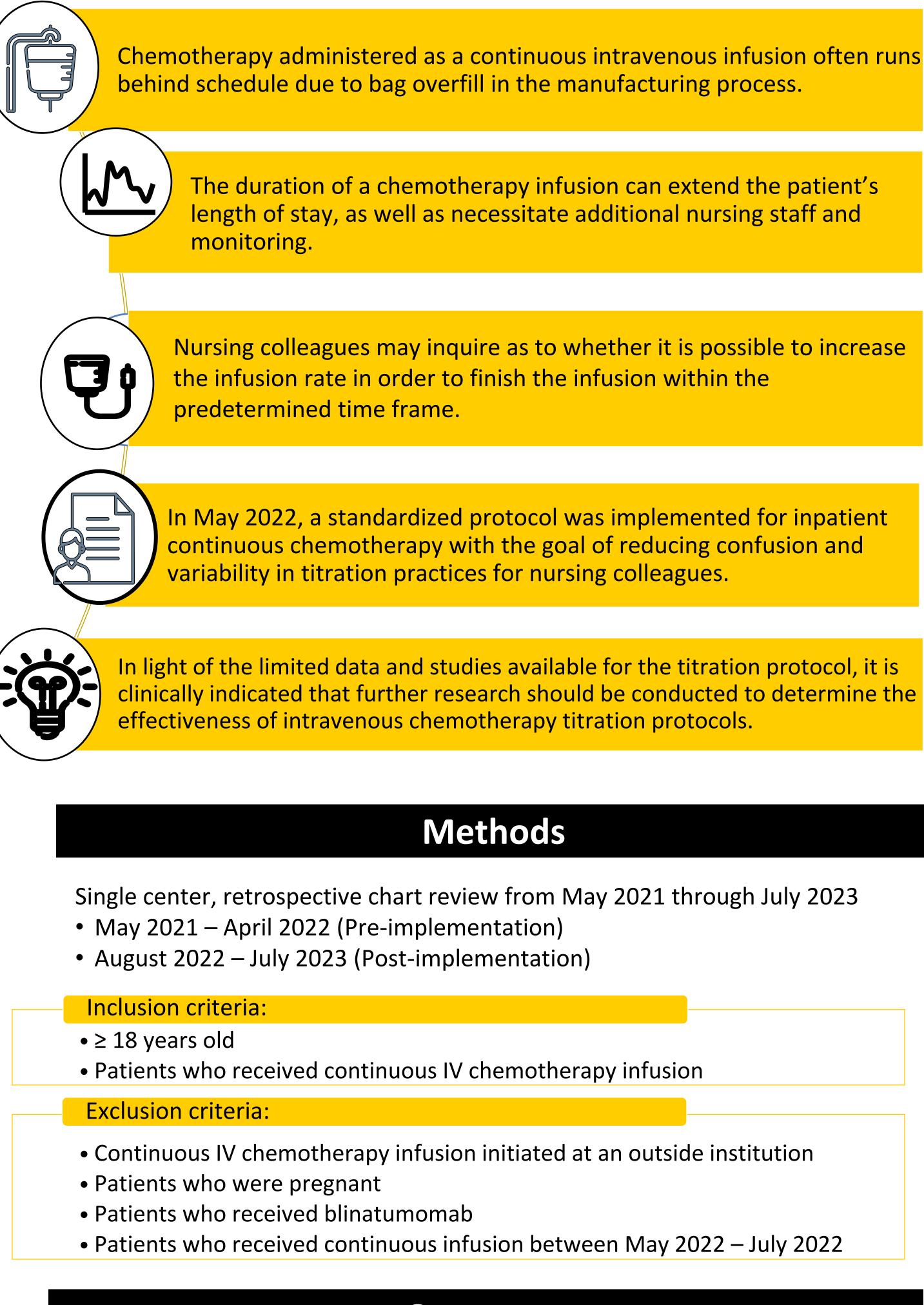
UNIVERSITY OF IOWA HEALTH CARE

Introduction



Outcomes

Primary Outcome:

• Evaluate the impact of titration protocol on administration time

Secondary Outcomes:

- Quantify patient length of stay
- Evaluate the incidence of infusion reactions pre- and post-implementation

Evaluating the Impact of Continuous Infusion Chemotherapy Titration Protocol on Administration Time and Length of Stay in Inpatient Oncology Unit

Results

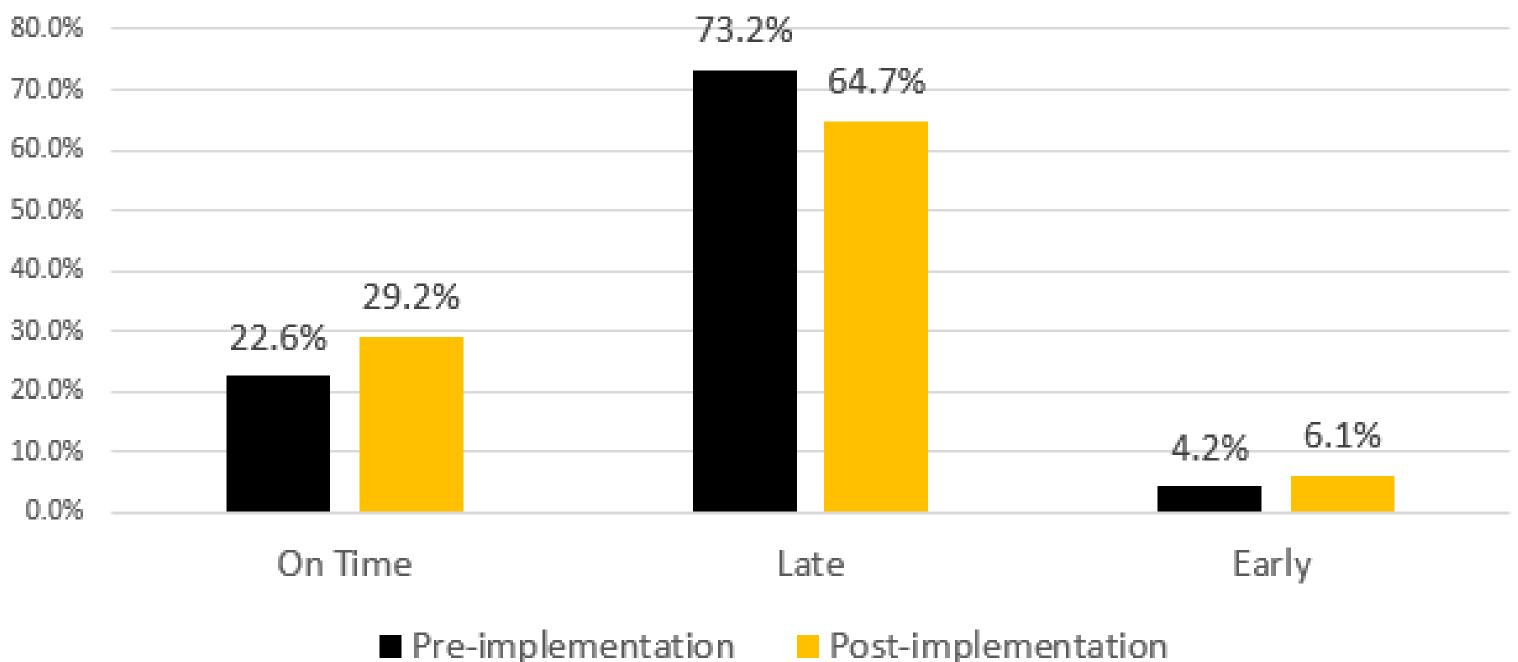
84 patient charts were reviewed

32 patient charts in the pre-implementation and 52 patient charts in post-implementation **Titration Guidance:**

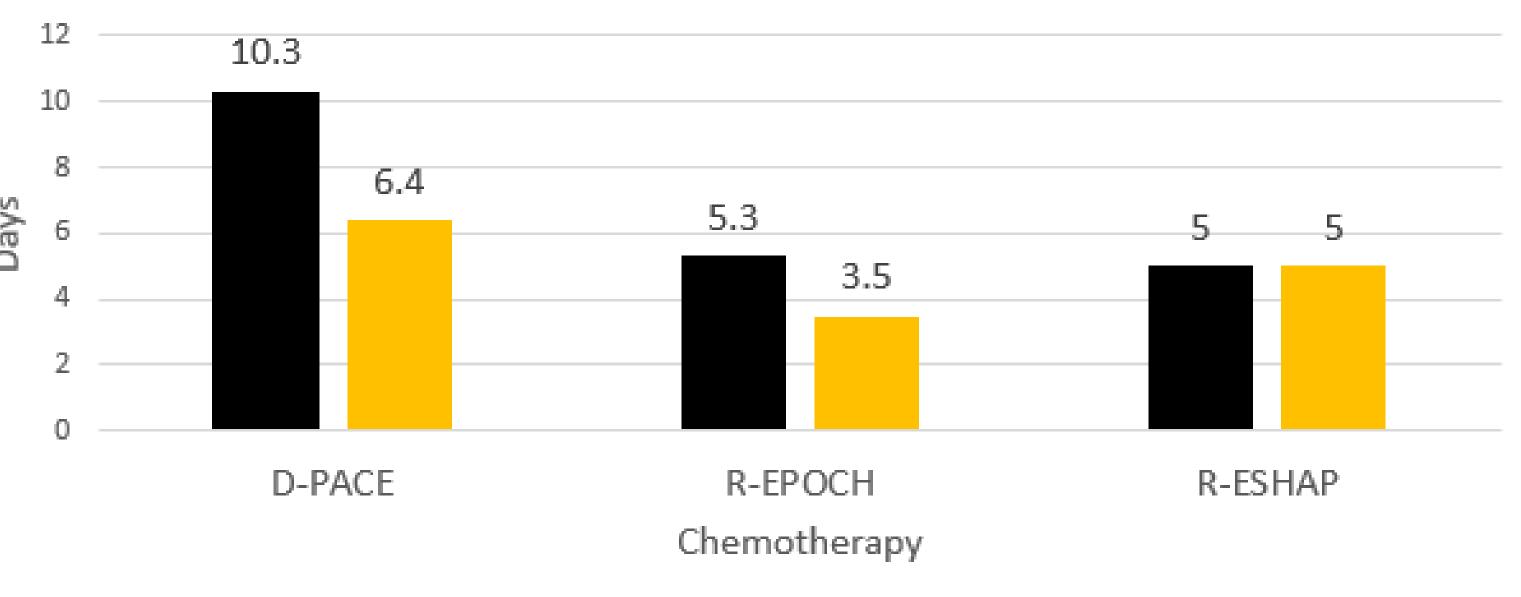
Rate Listed in EPIC (mL/hour) Maximum Nursing Titrated Rate (mL/hour) Contact unit pharmacist Less than 10 10 - 12.515 12.6 – 15 18.5 15.1 - 17.5 21.5 17.6 – 20 25 20.1 – 25 30 25.1 – 30 36.5 30.1 – 35 43.5 35.1 – 40 50 56.5 40.1 - 45 45.1 – 50 63.5 Greater than 50 Contact unit pharmacist Doxorubicin

- Cisplatin
- Cyclophosphamide
- Cytarabine

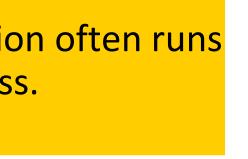
Administration Time of Continuous Infusion Chemotherapy







Pre-implementation





Thy Le, PharmD; Lindsay Miller, PharmD, BCOP University of Iowa Hospitals and Clinics, Iowa City, IA

- Etoposide
 - Fluorouracil
- Paclitaxel Trabectedin
- Vincristine

Post-implementation

Post-implementation

- infusion-related reactions
- timeliness and increased standardization
- length of stay for cancer patients.

- length of stay.

- Single center, single unit
- Retrospective study design
- inconsistent charting
- Presence of many confounding factors

Future Opportunities nursing perspectives center and other healthcare resources.

- Pittsburgh, PA: ONS Publishing.
- doi:10.1200/OP.21.00914

Conclusions

- Utilization of the maximum titration rate does not increase the risk of

- Implementation of the titration protocol led to an increase in administration

- Furthermore, adherence to titration protocols has been found to reduce the

Discussions

- Due to a nursing shortage, patients may receive delayed chemotherapy administration which impacts the duration of chemotherapy and prolongs the

- Many different factors including patient condition, method of payment, and type of chemotherapy treatment can also impact discharge decision

Limitations

Small sample size, and manual chart review for data collection with

Perform qualitative research to identify other factors contributing to delayed chemotherapy administration from

Develop a titration protocol for the outpatient infusion

Evaluate the cost implications in reduction of length of stay

Disclosures

The authors have no disclosures concerning personal relationships with commercial entities that may have a direct or indirect interest in this subject

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