
Capturing Quality Metrics Through the Use of Nursing Documentation in an Outpatient Chemotherapy Infusion Center

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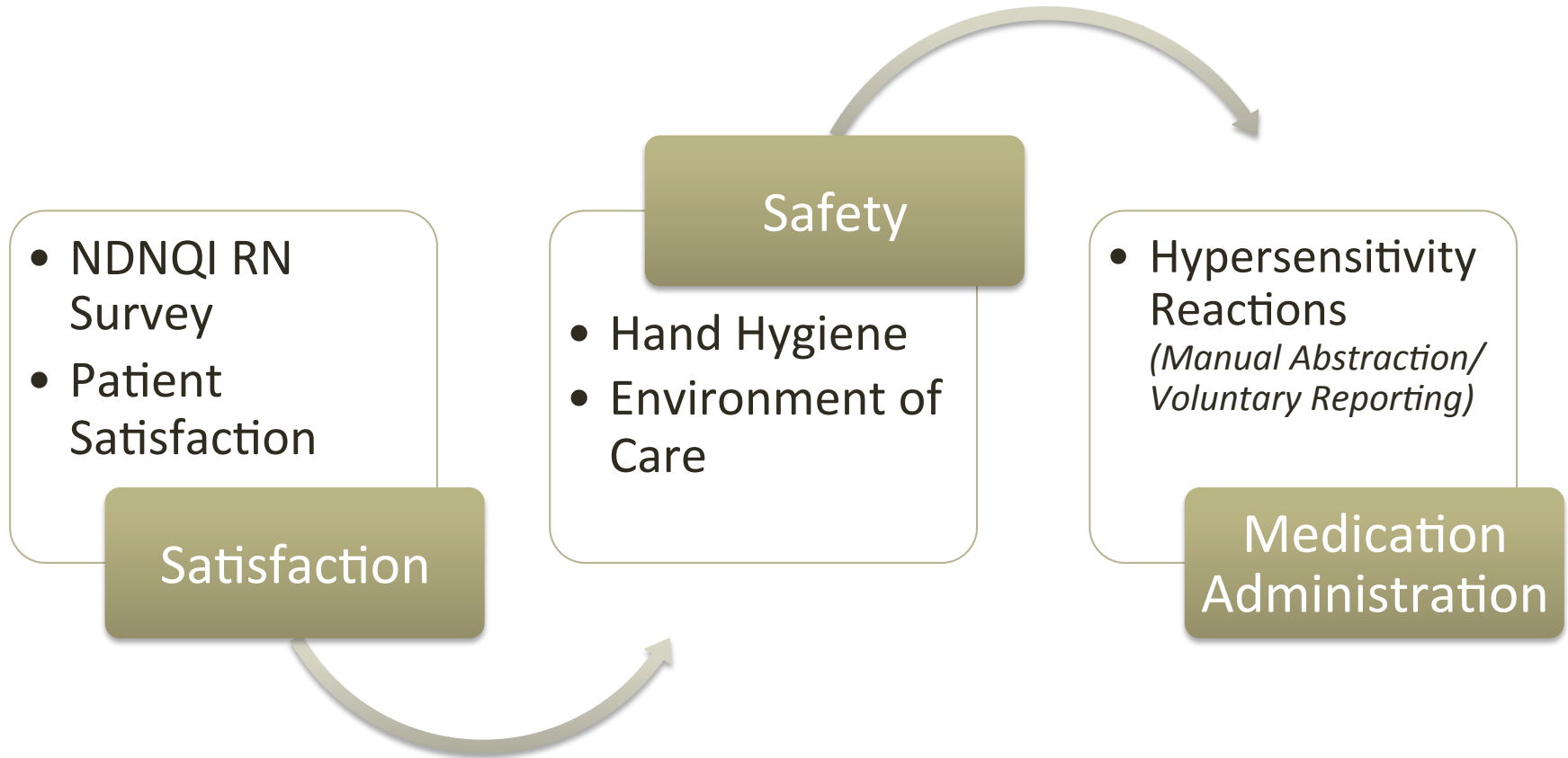
Vanderbilt-Ingram Cancer Center



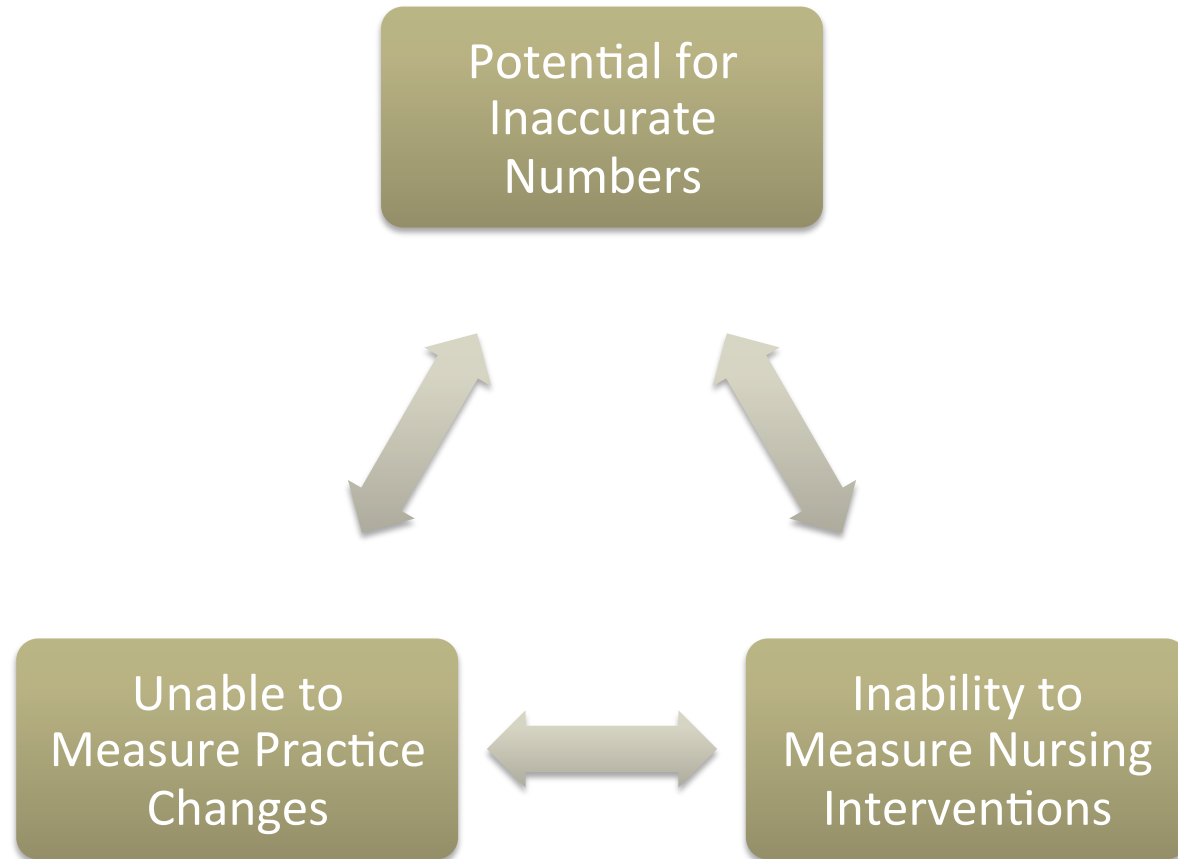
Cancer Infusion Room

- 1 of 5 VICC Outpatient Infusion Rooms
- 14.55 Nursing FTEs
- Expanded Hours (7am to 11pm with occasional weekend and holiday coverage)
- Total Visits: 19,449 (average 1621 patients/month)
- 37,714 chemotherapy infusions FY 2011-12

Cancer Infusion Room Quality Metrics

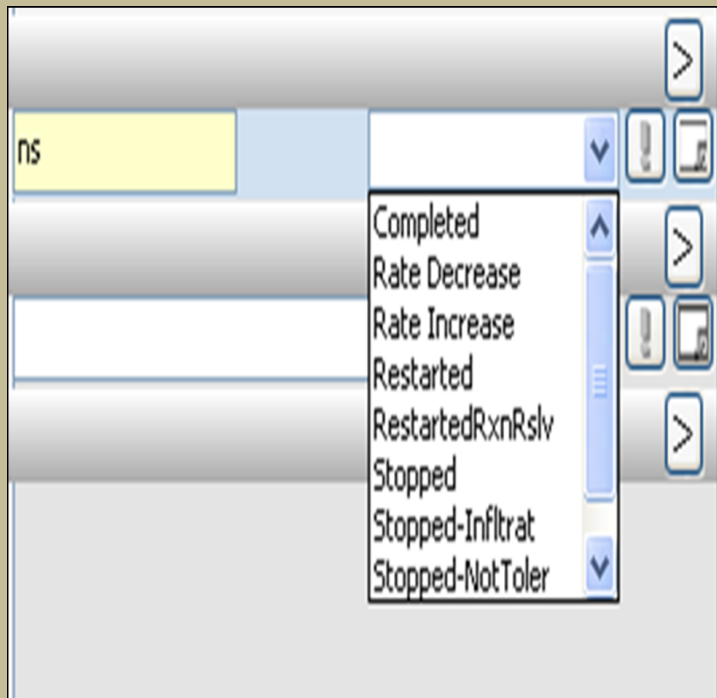


Challenges to Manual Abstractions/Voluntary Reporting



Implementation of Bar Coded Medication Administration System

Expanded Nursing Documentation to Capture Events



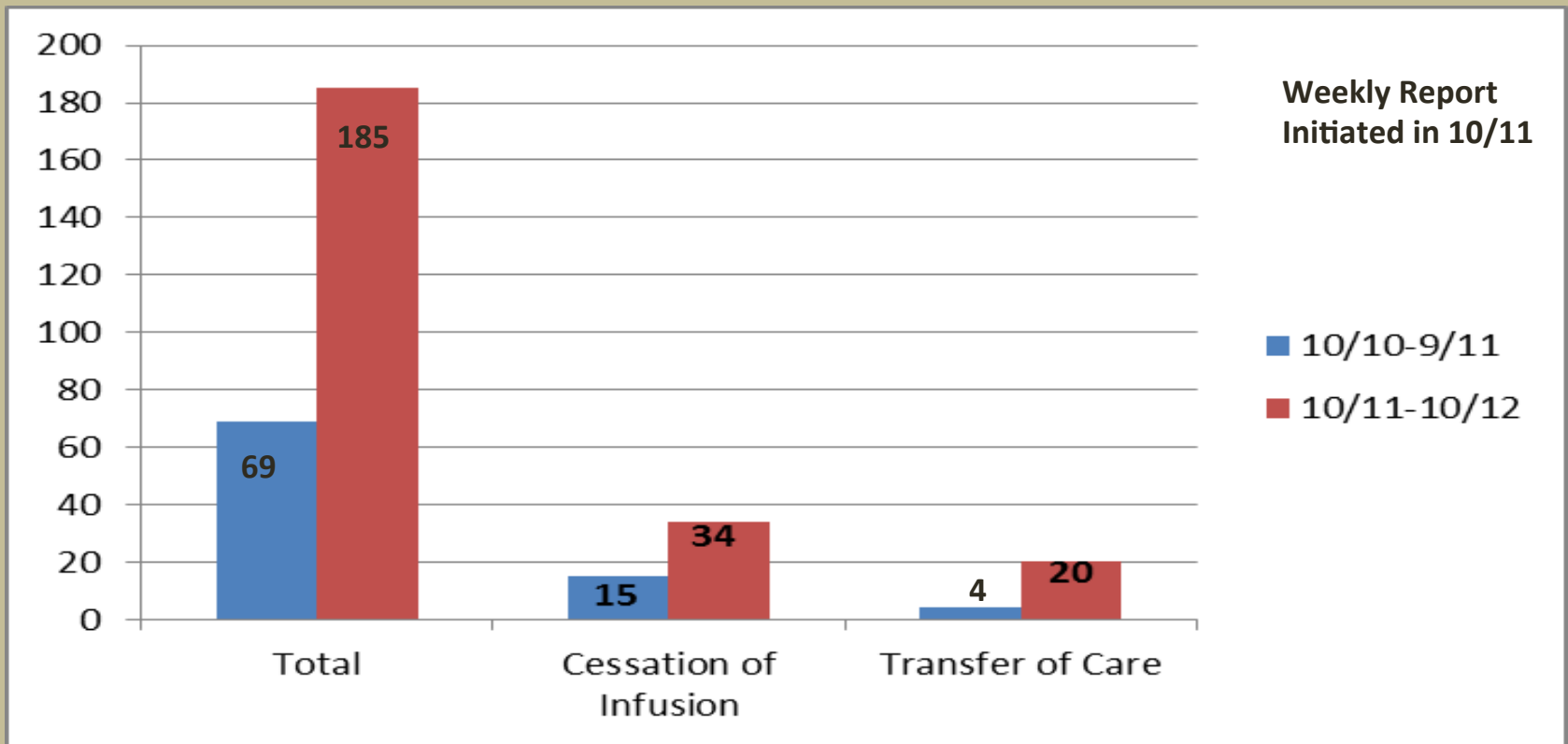
(Free text)
RN
describes
event

WEEKLY REPORT:

- Collects all infusions events not charted as completed.
- Includes medication administration including pre-medications and interventions.
- Captures cycle of event as well patient outcome.

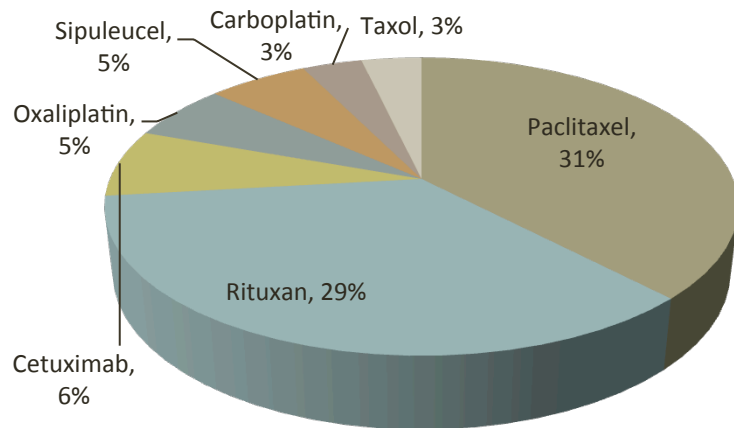
Results

ADVERSE EVENTS RELATED TO CHEMOTHERAPY ADMINISTRATION

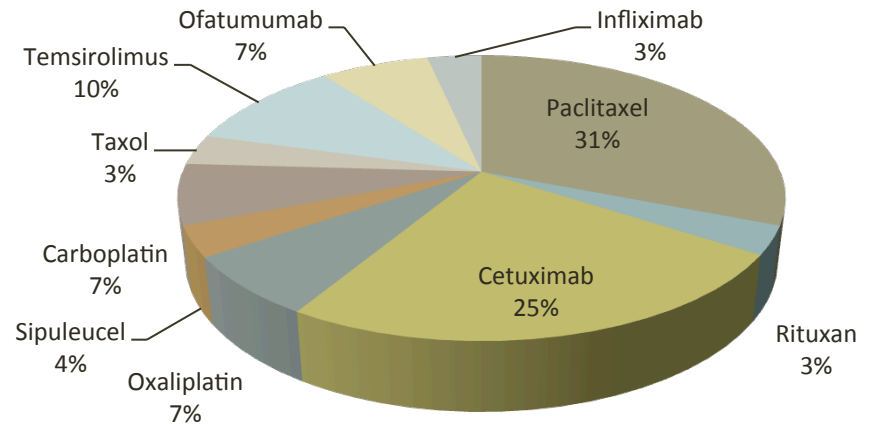


Hypersensitivity Reactions Breakout

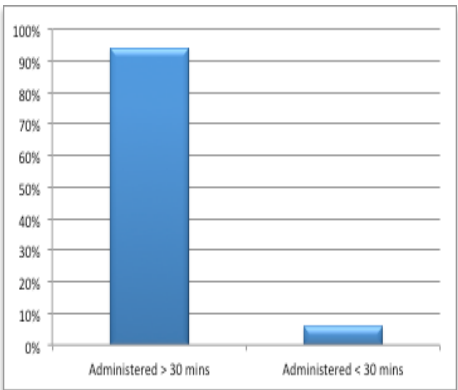
Agents Associated with Reactions Identified in Weekly Report



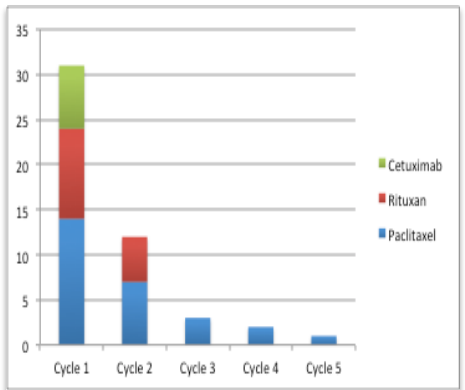
Agents Associated with Reactions Resulting in Cessation of Infusions



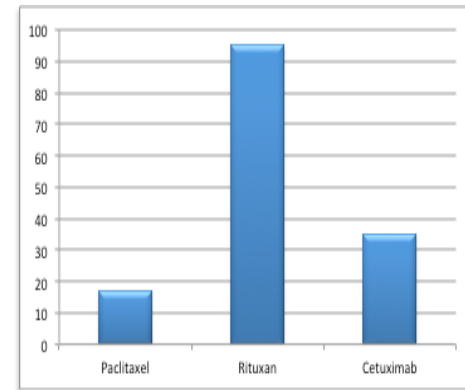
Nursing Impact



Timing of Pre-Medication



Cycle



Time to Reaction

Conclusions

- Nursing documentation can capture key metrics.
- Source document can reduce need to use other documentation methods.
- Nursing documentation can be used to measure outcomes that lead to practice changes.
- Practice changes can be evaluated for effectiveness.

Next Steps

Expansion weekly reporting to include:

- Level of reaction.
 - Level 1
 - Level 2
 - Level 3
 - Level 4
- IV complications with scoring tool.
- Pain assessments and interventions

