E-Barge: Transformation of a Paper-Based Scheduling System to a Dynamic Electronic Patient Scheduling Process in an Adult Hematology/Oncology Research Day Hospital

Vivien Agbakoba, RN, MS, BSN, OCN ® & LCDR Rebecca Cohen, RN, BSN, OCN ®, USPHS
Clinical Center, National Institutes of Health

Objective

Purpose

Background

Significance

Evaluation

Nursing Implications

Attendees will:
- Review a novel patient scheduling workflow process utilizing a computerized system
- Understand ways to facilitate nurse/patient assignments using a color coded scheduling system
- View research protocol and patient acuity real-time to assist in scheduling

E-Barge has transformed our patient scheduling system into a well-organized and efficient patient flow process
- Fully transitioned with 100% of appointments in electronic version
- Staff and management values its efficiency and assignment capabilities

E-Barge is a novel approach to managing the dynamic workflow needs on a Hematology/Oncology/Transplant research unit
- Can be implemented in a variety of outpatient care settings

The National Institutes of Health, Clinical Center: Adult Hematology, Oncology and Transplant Day Hospital
- 50-80 patients per day are assessed, supporting over 100 research studies, unit is open 365 days a year
- Challenging scheduling system
- Transition from a paper-based workflow system (barge) to a computerized workflow process (E-barge)

Allows the charge nurse to identify patient research and clinical care needs
- Provides a visual snapshot of current and future encounters
- Facilitates equitable nursing assignments based on study and patient acuity needs
- Permits multi-user access
- Allows real time scheduling and acuity updates
- Maintains secure patient information

Redesign of workflow process
- Create E-barge
- Staff training
- Implementation

Old Process

 Charge Nurse

Patient arrives

Check-out: Next appt scheduled & color code to discharge

Old Process

- Paper based
- Limited access to users
- Single edit
- No backup system
- Not secure

Transformation

- Redesign of workflow process
- Create E-barge
- Staff training
- Implementation

New System

- Multiple user access
- Ease of editing
- Real time view
- Color coded
- Backup
- Secure

- RN administers treatment
- Patient arrives
- Check-in: Color code changed to activate appt

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