

To Electronics and Beyond!!

Implementing an Electronic Medical Record into a Nursing Curriculum

Kelly M. Whitver MS, RN
Assistant Professor of Nursing
Jamestown Community College
Jamestown, NY
kellywhitver@mail.sunyjcc.edu

Objectives

- 1. Describe an overview of the plan used to implement an educational electronic health record (EEHR) into an associate degree nursing program.**
- 2. Identify barriers to the implementation process**
- 3. Identify positive influences on the implementation process**

Implementation Plan

- **Purchase of the Educational Electronic Health Record**
- **Vendor was already written into the grant**
- **Negotiations took place to get the best deal for our students**

Implementation Plan

- Faculty wanted a roll out plan to ease the EEHR into the curriculum
- Faculty Fears!!
 - “Big Bang” implementation would lead to frustration
 - (for both faculty and students)
 - Students focus would be on EEHR and not nursing

Implementation Plan

- Quick plan needed for integration into the curriculum to meet grant criteria
 - ADN program with 4 consecutive core courses
 - Curriculum taught simple to complex

Implementation Plan

- **Simple to Complex is how we rolled the plan**

Implementation Plan

- Students were involved immediately
- Focus group of 10 students were asked to “play” with the new EEHR
 - Reasons
 - Instructor set up
 - Student Feedback

Implementation Plan

- **Nuts and Bolts of Plan started in January 2011**
 - **2nd semester** (started out using paper chart in previous course)
 - Maternity simulation on campus
 - **4th semester** (ready to graduate)
 - Components of chart exposed to students in the classroom setting

Implementation Plan

▫ Fall 2011

• **1st semester**

- Access given to all students early in semester
- Used in classroom (projected on screen)
- One faculty master working on making EEHR champions
- Set of instructions developed using screen shots from actual EEHR

• **3rd semester**

- 3 faculty met and matched paper/pencil assignments to the new EEHR
- 3 pilot clinical groups did patient assessments electronically
- Semester end both students and faculty input surveyed
- One faculty master set up classes

Implementation Plan

- **Spring 2012**

- **2nd semester**

- Used for patient teaching plan in the classroom using laptops during class
 - Didactic – maternity teaching plan
 - Clinical – maternity documentation (all students)
 - Simulation – teaching tool for documentation of experience
 - Students used to document on Simulation

- **4th semester**

- Set of instructions developed
 - All clinical groups did patient assessments and care plans online
 - Semester end both students and faculty input surveyed
 - Some faculty graded online and some printed EEHR (depended on their comfort)
 - One faculty master set up classes



Ultimate Goals Moving Forward

NUR Course 1

- **Student access early in semester**
- **Case study to be completed by students (simple)**
- **Assign student tutorials available through vendor**
- **Didactic : teaching plans, I&O, Braden Scale, Fall Risk**
- **Clinical: long term care facility assessment of skin and mobility**
- **Simulation: documentation of the experience**
- **One faculty on 1st level team to be EEHR master (for set up)**

NUR Course 2

- **Case study for students expanding use of areas in EEHR**
- **Didactic : reinforcing & expanding from Course 1**
- **Clinical : hospital teaching plans, I & O, Braden Scales, Fall Risk**
- **Simulation: documentation of the experience**
- **All faculty participate in the set up of the EEHR**

NUR Course 3

- **Case study given to students to ready them for electronic submission of clinical assessment and care plan**
- **Specific instructions given to students and adjunct as to how to complete their clinical assignment online**
- **Didactic : continued use in the classroom integrated also into homework assignments**
- **Clinical : patient assessments generated from the hospital documented in EEHR and turned in electronically**
- **Simulation: documentation of the experience**
- **One faculty on the 2nd level team to be EEHR master**

NUR Course 4

- **Big Bang**
- **Didactic: continued use in the classroom integrated also into homework assignments**
- **Clinical : patient assessments & care plans generated from hospital & community experiences 100% electronic**
- **Simulation: documentation of the experience**
- **All faculty participate in the set up of the EEHR**

FUTURE

- Graduate student working to develop specific set of instructions for student and faculty use (Spring 2012)
- FYI – 3 consecutive academic years to fully implement
- ***Continued changes and integration***

Negative Influences

- **Time**
- **Faculty/Student acceptance**
- **Computer hardware**
- **Internet access (home and at school)**
- **New product from vendor (working out bugs)**
- **Some set up “tweaks” (learning software)**

Positive Influences

- **Having a plan**
- **Faculty release time to implement EEHR**
- **Pilot groups**
- **Student input into overall roll out**
- **Faculty champions**
- **Increased hardware purchased by school**

Thanks !

- Any Questions??