Using a Clinical Decision Support Tool to Improve Fall/Injury Prevention Care Planning

Description:

This offering provides Information to educate nurses in using a new clinical decision support (CDS) tool to facilitate care planning for patients who are at risk falls and fall related injuries. This work is part of an “ACTION” Project, a research study funded by the Agency for Health Care Research and Quality (AHRQ).

Estimated time for course completion is 12 minutes.
Course Objectives

After completing this course you will be able to:

• Review the goals of the new tool.
• Identify how to access and review the new CDS Tool
• Describe how to use of the CDS Tool during your workday
• Review the new Fall Prevention Patient Education Sheet
• Identify next steps in the evaluation process for the CDS Tool
The AHRQ* ACTION Project:
Title: “Using Evidence-based Nursing Practices and Electronic Decision Support to Reduce Fall-related Patient Injuries in Acute Care”

Purpose:
• To develop, test, and disseminate evidence-based nursing practice clinical decision support (CDS) tools within an existing electronic health record
• Use CDS tools to improve care planning and fall/injury prevention quality improvement and evaluate impact.
How Will the Care Planning Tool Help You?

• The tool shows your patient assignment with a visual overview:
  – The status of risk assessments for your patients
  – Which patients are at risk for falling
  – Which patients have a care plan initiated
  – Inpatient fall history with date/time

• The tool will help you provide fall prevention care and communicate important information about which patients need to be assessed, who are at risk for falls/injury, which care plans in place, and if/when the patient has had a fall.
Reviewing the Fall Prevention Process in the EHR

Screen all adults for Fall Risk:
- Hx of Falls
- Altered Mental Status
- Altered Elimination
- Altered Mobility
- Sedative/Hypnotics
  (Fall-prone factors)

Screen all adults for Fall-related Injury Risk Factors
Or Special Conditions
(Predicting physiological fall)

Focused Fall Risk Assessment (Morse Fall Scale)

Morse Score ≥ 45

Continue to screen for development of Risk Factors or Special conditions

Special conditions & fall/injury risk factors are identified during assessment.

Implement Environmental Safety Management (to prevent accidental falls)

Implement one or both plans based on assessment.

Implement Plan with Risk-Specific interventions: Mobility, Toileting, Medication Review.

Implement Plan of Care: Supervise, Assist & Educate

Yes

Is Patient Able to Participate in Fall Prevention

Initiate Diagnosis: Risk for Fall-Related Injury

Yes

Initiate Diagnosis: Risk for Fall

No

No

Continue to screen for development of Risk Factors or Special conditions
Reviewing Patient-Specific Fall & Injury Risks

- The Genview (below) displays specific patient risks for falls, injury, and/or unpredicted falls related to special conditions.

**Fall Risk Factors:**
- Morse Fall Scale ≥45
- History of Falls
- Mobility, Elimination, or Altered Mental Status Problems
- Prescribed meds that increase fall risk (avoid)

**Injury Risk Factors:**
- Receiving anticoagulants
- Low Platelets/Bleeding problems
- Osteoporosis/metastatic bone dx

**Special Conditions:**
- Seizures, Irregular Heartbeats
Using the CDS Tool to Review Patient Fall Prevention Plans & Individualize Care

• Patient specific information will be pulled together in one easy-to-access view for planning the care for groups of patients.

  – The following pages will show you the new tool and how to use it.
Locating the Care Planning CDS in the EHR

You will find the tool under the “Quality Measures” Tab
Reviewing the Care Planning CDS Tool

Screen will display information for the patients on your Unit or your Assignment if that feature is used.

CDS Tool: Care Plan Overview
**Reviewing Patient Details or Accessing the Chart**

Click (+) sign to expand detailed patient information. Double clicking on patient name will take you to the Main Menu in the patient chart.
Reviewing the CDS Tool Icons

- The icon tells you something about the status of the care plan
- If you do not remember what they mean, locate your cursor over icon and the specific information will display

<table>
<thead>
<tr>
<th>Icon</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>☠</td>
<td>Not Done</td>
</tr>
<tr>
<td>☠ ✔</td>
<td>Item is time-sensitive</td>
</tr>
<tr>
<td>☠</td>
<td>Done</td>
</tr>
<tr>
<td>N/A</td>
<td>No action needed at this time</td>
</tr>
<tr>
<td>🚨</td>
<td>Event Occurrence</td>
</tr>
</tbody>
</table>
### Reviewing the Care Plan Status: Assessment

The Clock indicates fall assessment is NOT complete and is a reminder it needs to be performed. The icon will fill in (blue) when relevant documentation forms are completed & signed (e.g. Morse Fall Scale, Physical Assessments, Activity).
Reviewing the Care Plan Status: Interventions

The empty icon indicates the patient has risk factors but no intervention/plan has been initiated. Note: When you locate your cursor over the icon, information is displayed with an active link to the care plan in patient chart.

N/a = “no action” at this time, meaning that no fall/injury risks were identified.

<table>
<thead>
<tr>
<th>Patient Demographics</th>
<th></th>
<th></th>
<th>Falls</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Date Of Birth</td>
<td>MRN</td>
<td>Assessment</td>
</tr>
<tr>
<td>Carson, Cindy</td>
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<td>蓬勃发展</td>
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<tr>
<td>Daily, John</td>
<td>12/13/1956</td>
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<tr>
<td>Handle, Matt L</td>
<td>10/12/2008</td>
<td>2377</td>
<td>蓬勃发展</td>
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<tr>
<td>Kaps, Jane</td>
<td>04/12/1959</td>
<td>479</td>
<td>蓬勃发展</td>
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<tr>
<td>Lock</td>
<td></td>
<td></td>
<td>Patient has been found at risk for falls and/or at risk for injury from falls and no plan or orderset defined.</td>
</tr>
<tr>
<td>Robins, William K</td>
<td>08/03/1975</td>
<td>1816</td>
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<tr>
<td>Walker, Susan Raye</td>
<td>02/15/1990</td>
<td>845</td>
<td>蓬勃发展</td>
</tr>
</tbody>
</table>
Reviewing the Care Plan Status: Intervention

The filled in icon indicates the patient has risk factors and an intervention/plan has been initiated. The details reflect the last plan that was initiated.

Note: The detail provides an active link to take you directly to the “Orders” tab in the patient record to confirm if one or both plans are active.
Reviewing the Care Plan Status: Intervention

- Clicking the link to the patient chart will take you to the “Orders” Tab to view specific care plan information

Example: Both Fall & Injury Care plans are active
The Triangle ICON indicates the patient has had a previous fall. Locating the cursor over the icon will provide the details about the date/time.
Implementing the CDS Tool in your work flow

• It is recommended that you access and review the Care Planning CDS during report

• Care Planning CDS tool can also be access anytime during your shift
How to Use the CDS Tool During Report

• The Care Planning CDS Tool will:

  – Help you to know which patients are at risk for falls, the status of your patient assessments and interventions, and patient fall history during current hospitalization.

  – Help you to determine what to communicate to your CNA partners about patients risk for falling, the status of the interventions, and their history of falls during the current hospital stay.
Tailoring Patient Education to the Patient

• During the admission process, the patient is screened for risk of falls and risks for fall-related injury.

• Plans are initiated with specific outcomes for prevention education.

• An new Patient and Family Member Educational Tool was created to support nurses to teach patients about their personal risk factors and to engage them in fall prevention activities specific to their risks.

Link
Patient/Family Member Fall Prevention Education Sheet
Print out and review
How to Teach about “Patient Specific” Risks

• Review the identified patient risk factors.

Example: Patient has Fall risks, Special Conditions and Injury Risk Factors
Use Educational Tool to Identify Personal Risks

Check the boxes that pertain to the risks that have been identified for the example patient:

**Fall Risks or Special Conditions**
- Irregular Heart Beats
- Problems with walking or moving
- Memory loss or confusion *(include family)*
- Taking Medication . . . Drowsy

**Injury Risk Factors**
- Osteoporosis
- Metastatic bone disease
- Bleeding problems
Engaging Patient/Family in Creating the Plan

Check the boxes that pertain to the interventions that are most appropriate based on identified risks.
Key Points to Remember:

The Care Planning CDS Tool was designed to help you to:

• View a Dashboard for each of your assigned patients
  - Who needs to be assessed?
  - Who is at risk for falling or fall-related injury?
  - Is the correct care plan initiated?
  - Which patients have fallen and when?

• Use this information to help you to know and communicate important information to other caregivers about patients who need to be assessed, who is risk or has fallen and which intervention plan is initiated.
Key Points to Remember:

The Patient and Family Member Education Tool for Fall Prevention was designed to help you to:

• Identify patient-specific fall & fall-related injury risk factors

• Talk with patients and family members about their specific risk factors

• Help to engage the patient/family in participating in a fall prevention plan based specifically on their risk factors
This content has been based on a quantitative analysis of current fall metric data, observation, focus group, and survey data.

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Selected References


