CAPTURE Falls Virtual Educational Series Session 5: Post-Fall Clinical Assessment and Fall Event Reporting

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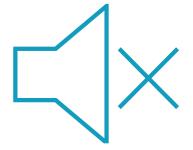
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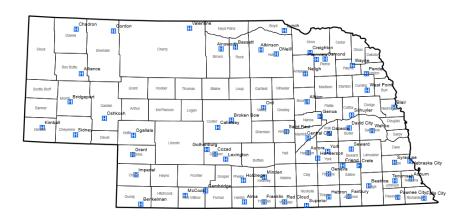


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What is the CAPTURE Falls Virtual Educational Series?

- 6-month education series on fall risk reduction in Critical Access and rural hospitals led by the University of Nebraska Medical Center's CAPTURE Falls program
- Invited by Wanda Hilton, the Rural Hospital Flex/SHIP Program Coordinator for the Iowa Department of Health and Human Services to provide this series.
- All sessions will be held on the 3rd
 Wednesday of the month, 1-2pm CT via Zoom.
- All session recordings are posted under the Quality Improvement tab on the following website: <u>Rural Hospital Programs | Health & Human Services (iowa.gov)</u>

Date	Fall Risk Reduction Topic
February 21, 2024	Interprofessional Approaches to Reducing Fall Risk; Defining a Fall
March 20, 2024	Fall Risk Assessment
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CAPTURE Falls Roadmap



Establish Readiness for Change

Explore the resolve of members of an organization to implement change to improve fall risk reduction practices, and their collective belief in their capacity



Interprofessional Fall Risk Reduction Team

Create an inter-professional fall risk reduction team responsible for managing and implementing the facility's fall risk reduction program.



Gap Analysis

Conduct an assessment of the current state of fall risk reduction practices in your facility compared to evidence-based best practices.



Action Plan

Document and monitor the steps your team needs to take to reach your program goals.



Fall Risk Reduction Policies and Procedures

Set expectations and influence decisions, actions, and activities necessary for your fall risk reduction program.



Fall Definition

Specify what "counts" as a fall, and differentiate various types of falls (e.g. assisted vs. unassisted) as well as injuries.



Fall Risk Assessment

Identify patients who are at risk for falls and recognize their respective risk factors.



Fall Risk Reduction Interventions

Implement interventions to reduce the influence of patient risk factors for falls and fall-related injury.



Auditing Fall Risk Reduction Practices

Identify if fall risk reduction practices are being implemented as intended in your facility.



Post-Fall Clinical Assessment

Establish a protocol to guide staff in the assessment of patients for potential injury after a fall occurs.



Post-Fall Huddle

Create a safe environment to understand the 'story' behind a fall in order to learn and take action to prevent a future fall.



Fall Event and Rate Reporting

Report and monitor falls and fall rates to track progress within your organization and allow for external benchmarking.



Learning from Data

Use data to understand how well your fall risk reduction program is working to reduce fall risk in your facility.



Sustainment Strategies

Maintain an effective fall risk reduction program over time.



Session 5 Objectives

Describe resources that can be used to guide post-fall clinical assessment

2

Determine strategies for education of staff on post-fall clinical assessment

Explain the importance of using a standardized definition of a fall and classifications of fall types and outcomes (quick recap from session 1)



Describe the practice of fall event and rate reporting

5

Determine strategies for education of staff on fall event reporting



Objective 1:

Describe resources that can be used to guide post-fall clinical assessment



Post-Fall Clinical Assessment

CAPTURE Falls Roadmap Post-Fall Clinical Assessment





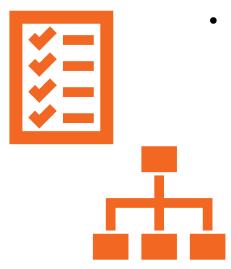
Assess patients for potential injury after a fall occurs so that appropriate medical care can be provided

- Assessment for injury should occur immediately
- Depending on the patient's injury risk factors, assessment may need to continue for several hours



Post-Fall Clinical Assessment

<u>CAPTURE Falls Roadmap Post-Fall Clinical Assessment</u>



- Various checklists and decision trees exist
- Common components
 - Check vital signs
 - Assess for bleeding and clean/dress any wounds
 - Assess for bruising or swelling
 - Assess for signs/symptoms of fracture or spinal injury (pain to palpation, bone or joint deformities)
 - Assess for signs/symptoms of head injury if known to hit head or if fall was unwitnessed (neurological assessment)
 - Notify physician/PA/APRN and family
 - Provide analgesia as needed
 - Consider imaging



Post-Fall Clinical Assessment: Resources



CAPTURE Falls Roadmap Post-Fall Clinical Assessment

Agency for Healthcare
Research and Quality
Tool 3N Postfall Assessment
Clinical Review

- Example protocol to assess injury risk when a patient has fallen
- Provides separate recommendations for patients with or without head trauma or those with an unwitnessed fall

US Department of Veterans Affairs Post Fall Procedures/Management

- Example post-fall management protocol (See Section VII and Attachment 3)
- Differentiates follow-up for patients with and without head trauma

The VIP treatment: A Comprehensive Post-Fall Assessment Guideline (American Nurse Journal, 2023)

- VIP = <u>V</u>isualize, Palpate for <u>Injuries</u>, <u>P</u>roceed with Care
- QI protocol developed for falls in LTC, but could be applied to hospital setting
- Algorithm that guides nurses through assessment of consciousness, head-to-toe inspection for injuries, and scheduled re-checks
- Based on Advanced Trauma Life support algorithm by the American College of Surgeons Committee on Trauma



Post-Fall Clinical Assessment: Resources



CAPTURE Falls Roadmap Post-Fall Clinical Assessment

2023 Post-Fall Multidisciplinary Management Guidelines (Western Australia Dept. of Health)

- Outlines steps to take immediately, and within various time intervals up to 48 hours post fall
- Includes specific considerations regarding whether to conduct a CT scan of the head or neck
- Differentiates course of action between witnessed and unwitnessed falls, whether head was struck and if the patient is on anticoagulants/antiplatelets

Clinical Excellence Commission Post-Fall Assessment and Management Guide (New South Wales, Australia Ministry of Health)

- Guidance and algorithms for the immediate response and ongoing observation/monitoring after a fall
- Includes special considerations for patients at risk of bleeding, head injury, sepsis, and delirium



Objective 2:

Determine strategies for education of staff on post-fall clinical assessment



Post-Fall Clinical Assessment: Staff Education



CAPTURE Falls Roadmap Post-Fall Clinical Assessment



Describe the post-fall clinical assessment protocol used in your facility



Perform a post-fall clinical assessment using a simulated patient case

Also consider who needs this training (which professions, level of experience of staff, etc.)



New employee orientation



Fall Prevention Awareness Week (September)



Patient Safety Awareness Week (March)



Objective 3:

Explain the importance of using a standardized definition of a fall and classifications of fall types and outcomes

A quick recap!



Fall Definition

CAPTURE Falls Roadmap Fall Definition

"A fall is a sudden, unintended, descent of a patient's body to the ground or other object (e.g., onto a bed, chair, or bedside mat) that can be assisted or unassisted."

- Agency for Healthcare Research and Quality Common Formats Version 2.0



- Sudden happening or coming unexpectedly; an unexpected occurrence
- Unintended not planned as a purpose or goal; not deliberate or intended
- Descent the act or process of descending from a higher to a lower level, rank, or state; an inclination downward
- Or other object would the patient have reached the ground if the other object was not there?



Unassisted vs. Assisted Fall



CAPTURE Falls Roadmap Fall Definition

Unassisted

- Fall occurs without hands-on assist from another person
- May or may not be observed

Assisted

- When a patient begins to fall and is assisted to the ground or other object by another person
- Ideally occurs with a gait belt to allow the caregiver to control the patient's descent



Non-Injurious vs. Injurious Fall



CAPTURE Falls Roadmap Fall Definition

Non-Injurious

 Patient is not harmed by the fall

Injurious

- Patient is harmed by the fall
- Harm ranges from minor injury to death

Minor Moderate Major

• Fall resulted in application of dressing, ice, cleaning of wound, limb elevation, topical medication, bruise or abrasion

•Fall resulted in suturing, application of steri-strips/skin glue, splinting or muscle/joint strain

• Fall resulted in surgery, casting, traction, consultation for neurological (e.g. skull fracture, subdural hematoma) or internal injury (e.g. rib fracture, liver laceration) or need for blood products

Death

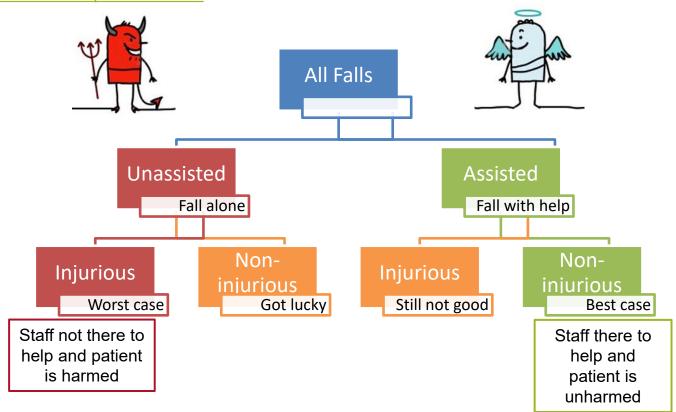
Patient died as a result of injuries sustained from the fall



Classification of Falls: Type and Outcome



CAPTURE Falls Roadmap Fall Definition





Repeat Falls, Intentional Falls



CAPTURE Falls Roadmap Fall Definition

Repeat Fall

- Patient has more than one fall during a respective admission
- Count each fall as an independent event
- These contribute to fall rates

"Intentional" Fall

- "A patient aged 5 years or older falls on purpose or falsely claims to have fallen"
- Patient intentionally descends to the ground or other object
- These do not contribute to fall rates



Objective 4:

Describe the practice of fall event and rate reporting and benchmarking



Fall Event Reporting



CAPTURE Falls Roadmap Fall Event and Rate Reporting



Mechanism to track fall events when they occur

- Report to document standardized data about the facts and circumstances surrounding a fall
- Information about the incident + information to facilitate learning
- Paper and/or electronic
- Track fall events over time
- Need to know number of fall incidents to calculate fall rates



What Information to Include in a Fall Event Report?



CAPTURE Falls Roadmap Fall Event and Rate Reporting

AHRQ Common Formats for Event Reporting – Hospital Version 2.0:

- Developed for use by providers and organizations who work with Patient Safety Organizations (PSOs)
- Collect patient safety information in a standardized way
- Core and supplemental fields for reporting
 - Core required for all incidents
 - Supplemental are event specific types of additional questions (e.g., falls)

AHRQ Fall Prevention Toolkit Recommendations:

- The fact that the incident being reported was a fall
- The patient in whom the fall occurred
- Date the fall occurred
- Unit the patient was assigned to at the time of the fall
- Location of the fall
- Detailed report about the circumstances of the fall
- Level of injury (if any)



Example Fall Event Report Form

CAPTURE Falls Roadmap Fall Event and Rate Reporting

CAPTURE Falls Fall Event Learning Form

	CAPTURE Falls Event Learning Form				
	fall is a sudden, unintended, descent of a patient's body to the ground or other object (e.g., onto				
a bed, chair, or beds another person) or u	ide mat) that can be assisted (e.g., when a patient begins to fall and is assisted to a lower surface by nassisted.				
1. Date of fall:	2. Time of fall (military time):				
3. Admission type a	time of fall:				
 Patient medical re 	ent medical record number: 5. Patient admission date:				
6. Patient age (if old	er than 90, simply indicate >90):7. Patient Sex: Male Female				
B. Reason for hospit	alization:				
9. Other conditions/	co-morbidities:				
	taking any of the following medications that are known to increase the risk for falls or fall- Mark all that apply)				
	□ Antidiabetic agents □ Cardiovascular agents □ Corticosteroids				
 □ Psychotropics □ Other: 	☐ Analgesics ☐ Anticonvulsants ☐ Anticholinergerics ☐ No, the patient was not taking any of these medications				
2. Where did the fa	locour 2 Inpatient care area 2 2a Where specifically in inpatient care? Emergency department Bedside Description Bedside Bedside				
13. Did staff assist t	he patient (hands on) during the fall?				
□ Yes					
1	D OTINIOWIT				
	13b. Was the fall observed? ☐ Yes, by staff ☐ Yes, by family, visitor or other patient ☐ No				
14. If unassisted a Patient four Reported by Alarm soun	patient				
	Il (Provide details on how and where the fall occurred, how it was discovered, etc.);				
15. Describe the la	ii (Frovide details of flow and writte the fail occurred, flow it was discovered, etc.):				
	UNMC V5.5				

Was the par	tient injured a	is a result of the fall?		
□ Yes →	☐ Abrasior ☐ Lacerati ☐ Fracture ☐ Intracrai 16b. What ☐ Minor: A bruise o ☐ Modera		s or steri-strips)) Int as a result of the gof wound, limb e	elevation, topical medication, uting or muscle/joint strain
	□ Death	urgery, casting, traction, consultation	orrior or internal	rijary or need for blood products
17. Additional	clinical treat	ments and/or monitoring that occur	red as a result of	the fall (Mark all that apply):
☐ Transfer, ir ☐ Increased ☐ Lab tests ☐ Surgical/pr	observation rocedural inte length of stay	☐ Imaging studies ervention ☐ Respiratory support ☐ Additional medication	cal exams	,
☐ Underg ☐ Ambula ☐ Ambula ☐ Transfe ☐ Transfe ☐ Dressir	going a proce ating w/assist ating w/o assi erring w/assis erring w/o assi ng/undressing ring	ance	Changing position Reaching for an it Foileting/on comm Foileting/on comm Ambulating to bath Ambulating to bath Dressing/undress	(e.g. in bed, chair)
19. If the fall v		toileting, when was the last time, p	0,	e patient was toileted?
20. Was the p		an assistive device at the time of the	e fall (i.e. cane, w	alker, wheelchair, etc)?
□ No 2		t0a. What was the assistive device?		so how?
21. Did any ed		urniture contribute to the fall (i.e. ala	arm, bed rail, call	light, IV pole, chair, etc)?
□ No □ Unknov	2	1a. What was the equipment or fur 1b. How did the equipment or furni		the fall?
00 144 1	_			
22. Was a fall		nent documented for this patient?		0-4 144 15
□ No =	一 	22a. What was the patient's scor fall risk assessment?	ment	2a1. Was the patient determined to be at risk for a fall? Yes No
		documented?	_	Unknown
				UNMC V5.5

☐ Yes, during this admission ☐ No ☐ Yes, during a previous admission ☐ Unknown 24. Which of the following interventions were in place and being used to prevent falls or fall injury for (Mark all that apply)	
24. Which of the following interventions were in place and being used to prevent falls or fall injury for	
□ Assistive device □ Beta latar and family education Bet allarm □ Patient placed close to rurses' station □ Chair alarm □ Physical/occupational therapy, includes exercise of mobility program □ Physical/occupational therapy, includes exercise of mobility program □ Physical/occupational therapy, includes exercise of mobility program □ Purposelul rounding □ Purposelul round	
25. Which organizational factors may have contributed to the event? (Mark all that apply) Communication, other han at the time of handoff Handoff Data issues (e.g. availability, accuracy) Environment (e.g. culture of safety, physical surroundings Human factors (e.g. fatigue, stresse, inattention, cognitive factors) Policies and procedures, including clinical protocols (e.g. absence, adequacy, clarity) Staff qualifications (e.g. competence, training) Staff supervision/support (e.g. clinical, managerial) Heath information technicolgy (e.g. electronic heath record)	
26. Which patient factors may have contributed to the event? (Mark all that apply) Dizzness/vertigo	, etc.)

CAPTURE Falls Collaborative Members: Please use the Know Falls System at https://unmcredcap.unmc.edu to complete this form electronically. Contact the UNMC CAPTURE Falls Team at capture.falls@unmc.edu for assistance.



Factors that Influence Staff Decisions to Report Fall Events



CAPTURE Falls Roadmap Fall Event and Rate Reporting



Falls more likely to be recorded in incident reports

Falls less likely to be recorded in incident reports

- Staff belief that reporting improves patient safety
- Staff belief that reporting protects against legal responsibility

- Poor access to computerized reporting
- Non-reporting by role models
- Absence of training on reporting
- Absence of a fall definition
- Self-perceived responsibility for a fall
- Perceived blame from others



Fall Rates



CAPTURE Falls Roadmap Fall Event and Rate Reporting



Key outcome of your fall risk reduction program

- Calculate falls as a rate
 - Considers impact of census
- Normalized rates (x falls/1000 patient days) allow for valid comparisons:
 - With hospitals of varying size and/or census
 - Over time within hospitals when census varies
- Standardized definitions allow for valid comparisons with peer hospitals

How to Calculate a Fall Rate?



CAPTURE Falls Roadmap Fall Event and Rate Reporting

CAPTURE Falls Fall Rate Calculator

Total Falls

Include all unassisted, assisted, non-injurious and injurious falls that occur in inpatients (acute care, skilled (swing bed), observation, and inpatient hospice)

Total Fall Rate =

total falls

x 1000

total patient days

Inpatient Days

Number of days inpatients received care based on midnight census; include acute, skilled (swing bed), and inpatient hospice patients; exclude newborns and acute rehab patients



Observation Hours / 24 to Establish Observation Patient Days

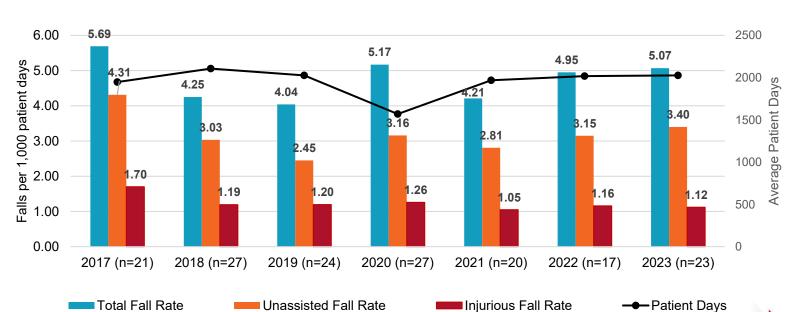
Number of hours patients who are not admitted as inpatients and not counted in the midnight census receive care in the hospital setting



CAPTURE Falls Collaborative Annual Rate Benchmark



CAPTURE Falls Collaborative Fall Rate Benchmarks 2017 - 2023





Why Track an Unassisted Fall Rate?



CAPTURE Falls Roadmap Fall Event and Rate Reporting

All Falls Are **Not** Created Equal

"When falls tend to occur with assistance, it suggests that staff have identified at-risk patients and are in attendance during mobilization activities...."

"...a more appropriate patient safety goal is reducing unassisted falls, which pose the greatest preventable risk of injury."

"...we would argue that an assisted fall, particularly during mobilization, is not necessarily a failure for the hospital staff and should not be treated as such."



Why Track an Unassisted Fall Rate?



CAPTURE Falls Roadmap Fall Event and Rate Reporting

All Falls Are **Not** Created Equal

"Unassisted falls...uniquely reflect quality of care in that they occur when staff members are absent, unaware that the patient needs assistance, or unable to help for some other reason."

"...attempts to prevent all falls could discourage appropriate patient mobilization."



Relationship between Fall Assistance and Patient Injury



CAPTURE Falls Roadmap Fall Event and Rate Reporting

Krauss et al (2007)

- Based on 3,962 falls from 8 Midwestern Hospitals from 2001-2003, the odds of injury for an unassisted fall were 1.83 times that of an assisted fall
- "Even if fall rates remain the same, increasing the proportion of falls that are assisted by a staff member could help decrease injury rates"

Staggs et al (2014)

 Based on 154,324 falls reported to the NDNQI in 2011, the odds of injury for an unassisted fall were 1.59 times that of an assisted fall

Venema et al (2019)

 Based on 353 falls reported by 17 rural Nebraska hospitals in 2012-2014, the odds of a fall resulting in injury were 3.7 times greater if a fall was assisted without a gait belt vs. assisted with a gait belt

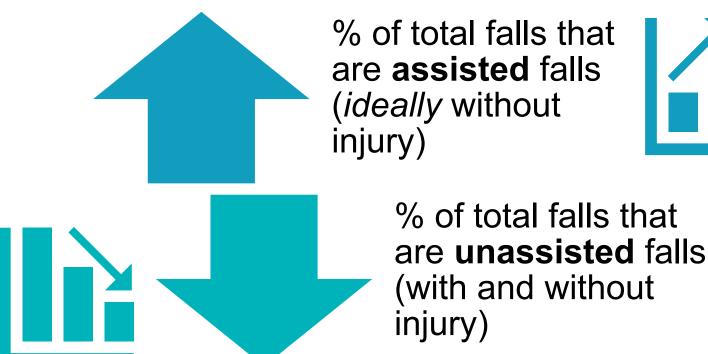




Fall Assistance as an **Organizational Outcome**



CAPTURE Falls Roadmap Fall Event and Rate Reporting







Using Your Fall Rate Data



CAPTURE Falls Roadmap Fall Event and Rate Reporting

Monitor trends in rates

- How are rates changing over time?
- How do changes in practice relate to changes in events and rates?
- Consider using a run chart to examine trends over time

Benchmarking

- External to similar organizations (ideally CAHs and small rural hospitals) who use the same fall definition
- CAPTURE Falls
 Collaborative is the
 only CAH-specific
 benchmark of which
 we are aware!

Share information

- Communicate and share rates with staff, leaders, and board
- Keep these outcomes visible, but be mindful of what you recognize and reward







Be Mindful of What You Recognize and Reward



CAPTURE Falls Roadmap Fall Event and Rate Reporting

From:

days since our last fall



Toward:

days since our last unassisted fall

— % of assisted falls this quarter or year



Objective 5:

Determine strategies for education of staff on fall event reporting



Fall Definition and Types: Staff Education



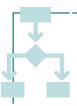
CAPTURE Falls Roadmap Fall Definition



Describe the definition of a fall used your facility



Compare/contrast unassisted vs. assisted falls and non-injurious vs. injurious falls



Classify falls based on type and outcome



New employee orientation



Annual education



Fall Prevention Awareness Week (September)



Patient Safety Awareness Week (March)



Fall Definition and Types: Staff Education



CAPTURE Falls Roadmap Fall Definition





Unassisted fall with injury



Assisted fall with no injury



Assisted fall with injury



"Intentional" fall



Fall Event and Rate Reporting: Staff Education



CAPTURE Falls Roadmap Fall Event and Rate Reporting



- Describe why fall events need to be reported and documented
- Explain what should be documented on a fall event report
- Practice completing and submitting a fall event report
- Describe what happens after a fall event report is submitted
- Interpret a fall rate



New employee orientation



Annual education



Fall Prevention Awareness Week (September)



Patient Safety Awareness Week (March)



Fall Event and Rate Reporting



CAPTURE Falls Roadmap Fall Event and Rate Reporting



Lessons learned and anecdotes from our work



Shift in mindset for some regarding what 'counts' as a fall

- Assisted falls count as a fall
- ·Minor injuries counting as an injury



Change in definition and increased awareness can result in increased fall rates (at least initially)

- •May be counting more incidences as falls than you did prior
- Increasing awareness of falls and what counts as a fall may contribute to increased reporting of falls



Mindful of different circumstances that might affect fall rates

- One or more patients who experience repeat falls
- Mobility program implementation an increase in assisted falls
- Double-check your math when computing the fall rate denominator



Resources: Fall Definition



CAPTURE Falls Roadmap Fall Definition

- ✓ AHRQ Common Formats for Event Reporting Hospital Version 2.0 Definition of a Fall
- ✓ Fall Definition and Types Handout
- ✓ Research Paper Factors Associated with Unassisted and Injurious Falls
- ✓ Editorial Paper Tension Between Promoting Mobility and Preventing Falls



Resources: Fall Event and Rate Reporting



CAPTURE Falls Roadmap Fall Event and Rate Reporting

- ✓ Agency for Healthcare Research and Quality Fall Prevention Toolkit Section 5.1 How do you measure fall and fall related injury rates?
- ✓ Fall Definition and Types Handout
- ✓ Research Paper Factors that Influence Fall Event Reporting
- ✓ CAPTURE Falls Event Learning Form
- ✓ Fall Rate Calculator



Summary

1

Multiple resources exist for post-fall clinical assessment. Checklists and decision trees may provide helpful structure to staff.



A standardized fall definition, including consideration of fall types and outcomes, can help create a shared understanding of what counts as a fall



Encourage staff to report all fall events to facilitate documentation of the incident *and* opportunities to learn from each fall



Track total, unassisted, and injurious fall rates and monitor trends over time to take a holistic view of the primary outcomes of your fall risk reduction program



Post-Education Evaluation

Evaluation survey link:

https://redcap.link/6loll0q7

QR code:



- Responses are anonymous
- Feedback will be used to inform future improvements to this education



Join us for Next Month's CAPTURE Falls Virtual Educational Series

- 6-month education series on fall risk reduction in Critical Access and rural hospitals led by the University of Nebraska Medical Center's CAPTURE Falls program
- All sessions will be held on the 3rd
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