Quality Improvement Clinical Decision Support Tool Specifications

Purpose:

The QI-CDS tool was designed to:
- Gather standardized care planning and fall and fall-related injury event metrics into a single report (to replace manual data extraction)
- Provide unit-based nursing leaders with aggregated metrics to support near-real time evaluation, feedback to staff, and data trending for quality improvement and benchmarking.

Audience:

The tool was designed to be used by unit-based leaders (managers, clinical specialists, shared governance leaders, and superusers) as well as the operational leads for clinical and health information technology implementation.

Tool Specifications

The QI CDS Tool was created using SAP BusinessObjects software and was made available to users using a secure intranet site. The data mart exists on an Oracle 10g Release 2 database and utilized primarily Oracle scripts and procedures for data extraction/transformation and loading. Most reporting tools and database options, however, could be used to replicate this report. The technical descriptions contained within this document are purposefully left generic in most cases.

The report was sourced from a data mart and refreshed daily from the EHR currently in place to support the healthcare system. The data mart and report contain data through the end of the previous day. When running the report, the user was asked to complete four prompts: Facility, Nursing Unit, Quarter (1-4), and Year to run the report for a single unit and single quarter.

The Fall Prevention QI CDS tool is a single report with two tabs or pages that allows the user to change between a summary view (Figure 11) and patient fall detail view (Figure 12). The Summary view contains unit-specific information on the total number of patients, the number of patient days, counts of the number of falls and fall-related injuries, and the status of fall prevention care planning on the selected unit for the time frame selected. The Patient Fall Details view provides details for each fall event, including time and date of the fall, circumstances surrounding the event and injury assessment information.

The QI CDS Tool / Report

Sample screenshots of the Fall Prevention Quarterly Summary report is shown below with mock data. The first tab (Figure 11) is a summary of one unit's performance over a quarter. The second tab (Figure 12) displays details on each of the documented falls for the unit including any progress notes that are attached in the initial documentation. A key to the abbreviations on page 2 is provided at the bottom of the page for easy access. Definitions for each data element were provided.. The report can be downloaded into an Adobe Acrobat (pdf) format for distribution. It can also be downloaded into excel, but the format decisions (to wrap the progress note for ease of report viewing) makes the enduser have to make some adjustments to layout before the data can be analyzed using standard excel tools.

Data Model and Data Definition

This section will show the general data model used to directly source the report, along with definitions of data columns. Theses tables will correspond with the logic listed in the report definition section of this document. All of the data is extracted and transformed from the EHR, with the exception of the DATE_D table, which is preloaded with a fixed set of data. The PK column marks the set of columns that contain the primary key for the table. Many additional tables are used in the loading and transformation process. However, the number and structure of these tables will largely vary depending on the structure of data in your source system. Therefore, only the tables used for direct reporting are shown.

PK	FALL_METRICS_F	
X	ENCNTR_ID	A unique key used to define the patient visit
	PERSON_ID	A unique key used to define a single patient
X	MONTH	The month, stored numerically.
X	YEAR	The year, stored numerically.
	PATIENT DAYS	The amount of time the patient spent on the unit, during the record month and year, expressed as a decimal equivalent of days.
	FIRST_DAY_IN_MONTH	An indicator of 1 or 0 that signifies whether the patient spent their first day of the visit on the unit during this month.
	FIRST_DAY_START	The starting date and time of the patients visit.
	FIRST_DAY_END	The ending date and time of the patients first 24 hour period of the visit. This will either be 24 hours after the FIRST_DAY_START or will be the discharge date and time for the visit if the visit is less than 24 hours.
	DAYS_IN_MONTH	The number of 24 hour periods, starting from the admission date and time that intersect with the patients stay on the unit. Patient days are calculated from the admission date and time. Each day is a 24 hour period starting from the end date of the previous period. Patient days are grouped into months by the starting date and time of the period.
	FALLS	The number of falls that occurred for the patient on the unit during the month.
	INJURIES	The number of falls resulting in an injury that occurred for the patient on the unit during the month.
	FIRST_DAY_ASSESSMENT	An indicator of 1 or 0, indicating whether the patient's first day of the visit intersects with the unit and month and whether they had an assessment performed during that day.
	DAILY_ASSESSMENTS	The number of patient days (24 hour periods) for the month and unit, where the patient had at least one assessment performed.
	AT_RISK_FALLS	An indicator of 1 or 0, indicating whether the patient was at risk for falls during the month while on the unit.
	AT_RISK_INJURY	An indicator of 1 or 0, indicating whether the patient was at risk for injury during the month while on the unit.
	ON_PLAN	An indicator of 1 or 0, indicating whether the patient was on a fall prevention plan during the month while on the unit.

PK	FALL_METRICS_F	
	EDUCATION	An indicator of 1 or 0, indicating whether the patient had education documented during or prior to the stay on the unit.
	MINOR_INJURIES	The number of falls resulting in a minor injury that occurred for the patient on the unit during the month.
	MODERATE_INJURIES	The number of falls resulting in a moderate or major injury that occurred for the patient on the unit during the month.
X	UNIT	The nursing unit name.
X	FACILITY	The facility or hospital name.
	DATE_ID	A unique numeric key linked representing a unique date on the DATE_D table

The FALL_METRICS_F table contains a record for each combination of nursing unit, patient visit and month that occurs for inpatient, observation and bedded outpatients. The following patient assessments are considered for assessment counts:

ADL Bathing
ADL Continence
ADL Dressing
ADL Feeding
ADL Num Assist
ADL Toileting
ADL's Prior to Admission
Affect/Behavior
Alteration in Voiding Parameter
Behavior Parameter
Cardiovascular – Health History
Cast Assessment
Changes in Voiding Habits Details
Cognitive Barrier
Cognitive Parameter
Devices Equipment
Dizziness Parameter
Fall Incident Date/Time
Gait Parameter
Hematologic – Health History
Home Devices/Equipment
LOC – Neurological Shift Assessment
LOC Parameter
Memory Parameter
Morse Fall Scale Total Score
Musculskeletal – Health History
Mobility Assistive Devices
Neurological – Health History
Orient Parameter
Orientation – Neuro Assessment
Participative in Fall Prevention
Stool Characteristics – GI

Stools Parameter
Seizure Parameter
Vision – Social HX

PK	DATE_D	
X	DATE_ID	A unique numeric key for each date
	DATE_DT	The date, stored without a time element
	YEARNUM	The year, stored as a number
	YEARSTR	The year, stored as a text string
	QTR	The quarter, stored as a number (1, 2, 3 or 4)
	QTRSTR	The quarter stored as a text string (Q1, Q2, Q3, Q4)
	MONTHNUM	The month, stored as a number
	MONTHSTR	The month full name
	MONTHABR	The month abbreviation
	DAYNUM	The day number of the month (for example 12 for April 12th)
	DAYOFWEEK	The day of the week (1-7)
	DAYOFYEAR	The day of the year (1-366)

The DATE_D table stores all possible dates with a numeric key of 1 to n. It's purpose if primarily for convenience.

PK	FALL_DETAILS_D	
	ENCNTR_ID	A unique key used to define the patient visit
	FALL_DT_TM	The date and time of the fall event
X	ACTIVITY_ID	A unique key identifying a single documentation of a fall
	DATE_ID	The unique numeric key corresponding to the DATE_D table and the date of the fall
	PERSON_ID	A unique key used to identify the patient
	DOCUMENTED_DT_TM	The date and time the fall was documented
	ACTIVITY_AT_FALL	The activity at the time of the fall
	INITIAL_INJURY	The initial injury assessment
	INITIAL_INJURY_ABBREV	An abbreviated version of the initial injury assessment
	AFTER_INJURY	The 24 hour injury assessment
	AFTER_INJURY_ABBREV	An abbreviated version of the 24 hour injury assessment
	AFTER_INJURY_DATE	The date and time of the 24 hour injury assessment
	FALL_WITNESS	A Y/N indicator of whether the fall was witnessed
	BED_ALARM	A Y/N indicator of whether the patient had a bed alarm implemented at the time of the fall
	RESTRAINTS	A Y/N indicator of whether the patient was in restraints at the time of the fall
	MORSE_SCORE	The most recent Morse Fall Score documented prior to the fall
	MORSE_DT_TM	The date and time of the most recent Morse Fall Score prior to the fall
	FALL_ASSIST	A Y/N indicator of whether the fall was assisted
	LOCATION_OF_FALL	The location of the fall

PK	FALL_DETAILS_D	
	PROGRESS_NOTE	The nursing or physician progress note documented at the time of fall documentation
	POWER_PLAN	A Y/N indicator of whether the patient was on a fall prevention plan at the time of the fall
	AT_RISK	A Y/N indicator of whether the patient had been found to be at risk for falls prior the fall
	UNIT	The unit the fall occurred on
	FACILITY	The facility (hospital) the fall occurred on

The FALL_DETAIL_D table stores information about individual falls documented. If a fall is documented twice, it will have two separate records with unique ACTIVITY_ID's. However, it will only be counted once in summary data, as long as the patient and time of fall are the same.

PK	PERSON_D	
X	PERSON_ID	A unique key identifying an individual patient
	DATE_OF_BIRTH	The patient's date of birth
	GENDER	The patient's gender

The PERSON_D table will commonly contain many more fields identifying the patient's demographic information. However, for the purpose of this report, only the above fields are needed.

PK	ENCOUNTER_D	
X	ENCNTR_ID	A unique key identifying an individual patient visit
	ENCNTR_TYPE	The visit or encounter type
	FIN	The patients financial number
	PERSON_ID	The patients PERSON_ID
	ADMIT_DT_TM	The admission date and time for the visit
	DISCHARGE_DT_TM	The discharge date and time for the visit

The ENCOUNTER_D table will commonly contain many more fields identifying data specific to each visit. However, for the purpose of this report, only the above fields are needed.

The QI-CDS Tool / Report

Below are sample snapshots of the Fall Prevention Quarterly Summary report, shown with sample data. Figure 1 features a screenshot of the first page of the report including a details (numbers and percentages) for each data elements for each of the three months of the quarter selected for the report. Figure 2 features a screen shot of the second page/tab of the report with details on each of the documented falls for the unit listed by month.

Figure 1. QI-CDS Tool Unit Quarterly Report: Summary Section (Tab 1)

Report Name: **Fall Prevention - Quarterly Summary**
Facility: **Hospital A**
Unit: **2 North**
Time Range: **Q3 2010**
Refresh Date/Time: **10-1-2010 3:23 PM**
Page Number: **1 of 1**

	Jul 2010	Aug 2010	Sep 2010	Q3 QTD
Number of Patients	150	140	145	420
Number of Encounters	155	145	150	435
Number of Patient Days	435.2	441.1	420.6	1296.9
Number of Patients with a Fall	1	1	2	4
Number of Falls	2	1	2	5
% of Patients with a Fall	0.7 %	0.7 %	1.4 %	1.0 %
Number of Falls Per 1000 Patient Days	4.6	2.3	4.8	3.9
% At Risk Prior to Fall	100.0 %	100.0 %	50.0 %	80.0 %
% Non-Risk Prior to Fall	0.0 %	0.0 %	50.0 %	20.0 %
Number of Injuries From a Fall	1	0	1	2
Number of Injuries per 1000 Patient Days	2.3	0.0	2.4	1.5
Number of Minor Injury per 1000	0.0	0.0	2.4	0.8
Number of Moderate+ Injury per 1000	2.3	0.0	0.0	0.8
% of Falls Resulting in Injury	50.0 %	0.0 %	50.0 %	40.0 %
% of Falls with Minor Injury	0.0 %	0.0 %	50.0 %	20.0 %
% of Falls with Moderate+ Inury	50.0 %	0.0 %	0.0 %	20.0 %
% Assessed within 24 Hrs of Admission	100.0 %	100.0 %	100.0 %	100.0 %
% Assessed for Risk Daily	94.2 %	94.6 %	94.5 %	94.5 %
% Identified at Risk for Falls	67.9 %	69.0 %	72.3 %	69.3 %
% Identified at Risk for Fall Related Injury	82.5 %	80.2 %	69.8 %	77.6 %
% At Risk with Fall Prevention Plan Initiated	91.6 %	88.5 %	85.6 %	88.2 %
% At Risk with Education Documented	46.1 %	39.1 %	15.8 %	35.4 %

Figure 2. QI-CDS Tool Unit Quarterly Report: Fall Details Section (Tab 2)

Report Name: **Fall Prevention - Quarterly Summary**
Facility: **Hospital A**
Unit: **2 North**
Time Range: **Q3 2010**
Refresh Date/Time: **10-1-2010 3:23 PM**
Page Number: **1 of 2**

Jul 2010

FIN	Fall Date	Fall Time	Time to Document (hrs)	Admit Dt/Tm	Discharge Dt/Tm	Enc Type	Age	Sex	Activity at Time of Fall	Location of Fall	Initial Injury Asmt	24 Hr Injury Asmt	24 Hr Injury Document Dt/Tm	FV	FA	BA	R	Last MFS	MFS Span (Days)	At Risk	PP
1234	07/12	13:55	0.06	7/11/2010 13:06	7/18/2010 13:03	Inpatient	50	M	Sitting	Bed, Regular	Minor	Major	07/13/2010 16:00	N	N	N	N	85	0.17	Y	Y
Progress Note																					

FIN	Fall Date	Fall Time	Time to Document (hrs)	Admit Dt/Tm	Discharge Dt/Tm	Enc Type	Age	Sex	Activity at Time of Fall	Location of Fall	Initial Injury Asmt	24 Hr Injury Asmt	24 Hr Injury Document	FV	FA	BA	R	Last MFS	MFS Span (Days)	At Risk	PP
2345	07/20	04:25	0.55	7/18/2010 20:08	7/21/2010 14:00	Observation	59	M	Toileting	Bathroom	None	None	7/20/2010 04:30	Y	N	N	N	60	0.55	Y	Y
Progress Note																					

Aug 2010

FIN	Fall Date	Fall Time	Time to Document (hrs)	Admit Dt/Tm	Discharge Dt/Tm	Enc Type	Age	Sex	Activity at Time of Fall	Location of Fall	Initial Injury Asmt	24 Hr Injury Asmt	24 Hr Injury Document Dt/Tm	FV	FA	BA	R	Last MFS	MFS Span (Days)	At Risk	PP
3456	08/16	02:05	0.70	08/10/2010 08:47	08/18/2010 14:05	Inpatient	72	F	Toileting	Bed, Regular	None	None	8/17/2010 02:05	N	N	Y	N	70	0.60	Y	Y
Progress Note																					
Nurse called by NA to the room. Nurse found pt laying on the floor in between bed and wheeled walker. Per pt, she got out of bed to go to bathroom, and went to grab her wheeled walker and fell. No apparent injuries. Pt stated she hit her back but was unhurt.																					

Key: FV = Fall Vitnessed; FA = Fall Assisted; BA=Bed Alarm; R = Restraints; MFS = Last Morse Fall Score; PP = PowerPlan

6.

Shown below are snapshots of the Fall Prevention Quarterly Summary, with the data replaced by field markers. Each letter in red corresponds to the index in the table following the snapshot. That table translates each of the fields within the report back to the data model detailed in the previous section of this document.

Figure 3. QI-CDS Tool Unit Quarterly Summary (page 1) – Detailed Description for each Cell

Report Name: **Fall Prevention - Quarterly Summary**

Facility: A
Unit: B
Time Range: C
Refresh Date/Time: D
Page Number: 1 of 1

	Jul 2010	Aug 2010	Sep 2010	Q3 QTD
Number of Patients	E	E	E	F
Number of Encounters	G	G	G	H
Number of Patient Days	I	I	I	J
Number of Patients with a Fall	K	K	K	L
Number of Falls	M	M	M	N
% of Patients with a Fall	O	O	O	P
Number of Falls Per 1000 Patient Days	Q	Q	Q	R
% At Risk Prior to Fall	S	S	S	T
% Non-Risk Prior to Fall	U	U	U	V
Number of Injuries From a Fall	W	W	W	X
Number of Injuries per 1000 Patient Days	Y	Y	Y	Z
Number of Minor Injury per 1000	AA	AA	AA	BB
Number of Moderate+ Injury per 1000	CC	CC	CC	DD
% of Falls Resulting in Injury	EE	EE	EE	FF
% of Falls with Minor Injury	GG	GG	GG	HH
% of Falls with Moderate+ Injury	II	II	II	JJ
% Assessed within 24 Hrs of Admission	KK	KK	KK	LL
% Assessed for Risk Daily	MM	MM	MM	NN
% Identified at Risk for Falls	OO	OO	OO	PP
% Identified at Risk for Fall Related Injury	QQ	QQ	QQ	RR
% At Risk with Fall Prevention Plan Initiated	SS	SS	SS	TT
% At Risk with Education Documented	UU	UU	UU	VV

Index (Tab 1)	Report Field	Description	Formula
A	Facility	Name of the facility for which the report has been run. This information is collected in the report prompt prior to running the report. Data is collected and stored for the patient facility for each location within the patient stay. Therefore, patients who are transferred across facilities will have data reflected for their time within each facility.	FALL_METRICS_F.FACILITY
B	Unit	Name of the nurse unit for which the report has been run. This information is collected in the report prompt prior to running the report. Data is collected and stored for each location within the patients stay. Therefore, patient data will split across multiple units and only data pertaining to the patient's time on the selected unit will display.	FALL_METRICS_F.UNIT

Index (Tab 1)	Report Field	Description	Formula
C	Time Range	The time range for the report. This information is collected in the report prompt prior to running the report. The report is always run for a quarter. If the current quarter is chosen, the report will display data from the beginning of the quarter through the last complete day.	CONCAT (DATE_D.QTRSTR, CONCAT (" ", DATE_D.YEARNUM))
D	Refresh Date/Time	The data and time of the report refresh.	
E	Number of Patients *(Month)*	A count of distinct patients that had a stay on the nursing unit during the reporting month.	COUNT (FALL_METRICS_F.PERSON_ID)
F	Number of Patients *(Quarter)*	A count of distinct patients that had a stay on the nursing unit during the reporting quarter. This number will not be a sum of the monthly number of patients, as a single patient that spans two months will be counted in each month, but only once in the quarter.	COUNT (FALL_METRICS_F.PERSON_ID)

Index (Tab 1)	Report Field	Description	Formula
G	Number of Encounters *(Month)*	A count of distinct patient visits that included a stay on the nursing unit during the reporting month.	COUNT (FALL_METRICS_F.ENCNTR_ID)
H	Number of Encounters *(Quarter)*	A count of distinct patient visits that included a stay on the nursing unit during the reporting quarter. This number will not be the sum of the of the monthly number of encounters, as a single patient visit may span two months.	COUNT (FALL_METRICS_F.ENCNTR_ID)
I	Number of Patient Days *(Month)*	The sum of the total time spent by patients on the unit during the reporting month, displayed in days.	SUM (FALL_METRICS_F.PATIENT_DAYS)
J	Number of Patient Days *(Quarter)*	The sum of the total time spent by patients on the unit during the reporting quarter, displayed in days.	SUM (FALL_METRICS_F.PATIENT_DAYS)
K	Number of Patients with a Fall *(Month)*	The number of distinct patients with at least one fall recorded on the nursing unit during the month.	COUNT (FALL_METRICS_F.PERSON_ID) WHERE FALL_METRICS_F.FALLS > 0

Index (Tab 1)	Report Field	Description	Formula
L	Number of Patients with a Fall *(Quarter)*	The number of distinct patients with at least one fall recorded on the nursing unit during the quarter.	COUNT (FALL_METRICS_F.PERSON_ID) WHERE FALL_METRICS_F.FALLS > 0
M	Number of Falls *(Month)*	The number of distinct fall incidents recorded for falls on the reporting unit during the month.	SUM (FALL_METRICS_F.FALLS)
N	Number of Falls *(Quarter)*	The number of distinct fall incidents recorded for falls on the reporting unit during the quarter.	SUM (FALL_METRICS_F.FALLS)
O	% of Patients with a Fall *(Month)*	The percent of distinct patients on the unit who had at least one fall while on the unit.	(COUNT (FALL_METRICS_F.PERSON_ID) WHERE FALL_METRICS_F.FALLS > 0) / COUNT (FALL_METRICS_F.PERSON_ID)
P	% of Patients with a Fall *(Quarter)*	The percent of distinct patients on the unit who had at least one fall while on the unit.	(COUNT (FALL_METRICS_F.PERSON_ID) WHERE FALL_METRICS_F.FALLS > 0) / COUNT (FALL_METRICS_F.PERSON_ID)
Q	Number of Falls Per 1000 Patient Days *(Month)*	The number of distinct fall incidents recorded per 1000 patient days.	(SUM (FALL_METRICS_F.FALLS) / SUM (FALL_METRICS_F.PATIENT_DAYS))*1000
R	Number of Falls Per 1000 Patient Days *(Quarter)*	The number of distinct fall incidents recorded per 1000 patient days.	(SUM (FALL_METRICS_F.FALLS) / SUM (FALL_METRICS_F.PATIENT_DAYS))*1000

Index (Tab 1)	Report Field	Description	Formula
S	% At Risk Prior to Fall *(Month)*	Percent of falls were patient was identified as At Risk for Falls prior to the fall.	(COUNT (CONCAT (FALL_DETAILS_D.FALL_DT_TM, FALL_DETAILS_D.ENCNTR_ID) WHERE FALL_DETAILS_D.AT_RISK = 'Y') / (COUNT (CONCAT (FALL_DETAILS_D.FALL_DT_TM, FALL_DETAILS_D.ENCNTR_ID)
T	% At Risk Prior to Fall *(Quarter)*	Percent of falls were patient was identified as At Risk for Falls prior to the fall.	(COUNT (CONCAT (FALL_DETAILS_D.FALL_DT_TM, FALL_DETAILS_D.ENCNTR_ID) WHERE FALL_DETAILS_D.AT_RISK = 'Y') / (COUNT (CONCAT (FALL_DETAILS_D.FALL_DT_TM, FALL_DETAILS_D.ENCNTR_ID)
U	% Non-Risk Prior to Fall *(Month)*	Percent of falls were patient was not identified as At Risk for Falls prior to the fall.	(COUNT (CONCAT (FALL_DETAILS_D.FALL_DT_TM, FALL_DETAILS_D.ENCNTR_ID) WHERE FALL_DETAILS_D.AT_RISK = 'N') / (COUNT (CONCAT (FALL_DETAILS_D.FALL_DT_TM, FALL_DETAILS_D.ENCNTR_ID)
V	% Non-Risk Prior to Fall *(Quarter)*	Percent of falls were patient was not identified as At Risk for Falls prior to the fall.	(COUNT (CONCAT (FALL_DETAILS_D.FALL_DT_TM, FALL_DETAILS_D.ENCNTR_ID) WHERE FALL_DETAILS_D.AT_RISK = 'N') / (COUNT (CONCAT (FALL_DETAILS_D.FALL_DT_TM, FALL_DETAILS_D.ENCNTR_ID)
W	Number of Injuries From a Fall *(Month)*	The number of distinct falls that resulted in an injury. The 24 hour assessment is used to determine if an injury occurred, unless no 24 hour assessment was performed. In that case, the initial fall assessment is used to determine if an injury occurred.	COUNT (CONCAT(FALL_DETAILS_D.FALL_DT_TM, FALL_DETAILS_D.ENCNTR_ID)) WHERE (IF ISNULL(FALL_DETAILS_D.AFTER_INJURY_ABBREV) THEN FALL_DETAILS_D.INITIAL_INJURY_ABBREV ELSE FALL_DETAILS_D.AFTER_INJURY_ABBREV) IN ('Major', 'Minor', 'Moderate')

Index (Tab 1)	Report Field	Description	Formula
X	Number of Injuries From a Fall *(Quarter)*	The number of distinct falls that resulted in an injury. The 24 hour assessment is used to determine if an injury occurred, unless no 24 hour assessment was performed. In that case, the initial fall assessment is used to determine if an injury occurred.	COUNT (CONCAT(FALL_DETAILS_D.FALL_DT_TM, FALL_DETAILS_D.ENCNTR_ID)) WHERE (IF ISNULL(FALL_DETAILS_D.AFTER_INJURY_ABBREV) THEN FALL_DETAILS_D.INITIAL_INJURY_ABBREV ELSE FALL_DETAILS_D.AFTER_INJURY_ABBREV) IN ('Major', 'Minor', 'Moderate')
Y	Number of Injuries per 1000 Patient Days *(Month)*	The number of falls resulting in an injury per 1000 patient days. The 24 hour assessment is used to determine if an injury occurred, unless no 24 hour assessment was performed. In that case, the initial fall assessment is used to determine if an injury occurred.	(COUNT (CONCAT(FALL_DETAILS_D.FALL_DT_TM, FALL_DETAILS_D.ENCNTR_ID)) WHERE (IF ISNULL(FALL_DETAILS_D.AFTER_INJURY_ABBREV) THEN FALL_DETAILS_D.INITIAL_INJURY_ABBREV ELSE FALL_DETAILS_D.AFTER_INJURY_ABBREV) IN ('Major', 'Minor', 'Moderate') / SUM (FALL_METRICS_F.PATIENT_DAYS))*1000

Index (Tab 1)	Report Field	Description	Formula
Z	Number of Injuries per 1000 Patient Days *(Quarter)*	The number of falls resulting in an injury per 1000 patient days. The 24 hour assessment is used to determine if an injury occurred, unless no 24 hour assessment was performed. In that case, the initial fall assessment is used to determine if an injury occurred.	(COUNT (CONCAT(FALL_DETAILS_D.FALL_DT_TM, FALL_DETAILS_D.ENCNTR_ID)) WHERE (IF ISNULL(FALL_DETAILS_D.AFTER_INJURY_ABBREV) THEN FALL_DETAILS_D.INITIAL_INJURY_ABBREV ELSE FALL_DETAILS_D.AFTER_INJURY_ABBREV) IN ('Major', 'Minor', 'Moderate') / SUM (FALL_METRICS_F.PATIENT_DAYS))*1000
AA	Number of Minor Injury per 1000 *(Month)*	The number of falls resulting in a minor injury per 1000 patient days. The 24 hour assessment is used to determine if an injury occurred and the severity of the injury. If a 24 hour assessment was not performed, the initial fall assessment is used to determine if an injury occurred.	(COUNT (CONCAT(FALL_DETAILS_D.FALL_DT_TM, FALL_DETAILS_D.ENCNTR_ID)) WHERE (IF ISNULL(FALL_DETAILS_D.AFTER_INJURY_ABBREV) THEN FALL_DETAILS_D.INITIAL_INJURY_ABBREV ELSE FALL_DETAILS_D.AFTER_INJURY_ABBREV) IN ('Minor') / SUM (FALL_METRICS_F.PATIENT_DAYS))*1000

Index (Tab 1)	Report Field	Description	Formula
BB	Number of Minor Injury per 1000 *(Quarter)*	The number of falls resulting in a minor injury per 1000 patient days. The 24 hour assessment is used to determine if an injury occurred and the severity of the injury. If a 24 hour assessment was not performed, the initial fall assessment is used to determine if an injury occurred.	(COUNT (CONCAT(FALL_DETAILS_D.FALL_DT_TM, FALL_DETAILS_D.ENCNTR_ID)) WHERE (IF ISNULL(FALL_DETAILS_D.AFTER_INJURY_ABBREV) THEN FALL_DETAILS_D.INITIAL_INJURY_ABBREV ELSE FALL_DETAILS_D.AFTER_INJURY_ABBREV) IN ('Minor') / SUM (FALL_METRICS_F.PATIENT_DAYS))*1000
CC	Number of Moderate+ Injury per 1000 *(Month)*	The number of falls resulting in a moderate or major injury per 1000 patient days. The 24 hour assessment is used to determine if an injury occurred and the severity of the injury. If a 24 hour assessment was not performed, the initial fall assessment is used to determine if an injury occurred.	(COUNT (CONCAT(FALL_DETAILS_D.FALL_DT_TM, FALL_DETAILS_D.ENCNTR_ID)) WHERE (IF ISNULL(FALL_DETAILS_D.AFTER_INJURY_ABBREV) THEN FALL_DETAILS_D.INITIAL_INJURY_ABBREV ELSE FALL_DETAILS_D.AFTER_INJURY_ABBREV) IN ('Major', 'Moderate') / SUM (FALL_METRICS_F.PATIENT_DAYS))*1000

Index (Tab 1)	Report Field	Description	Formula
DD	Number of Moderate+ Injury per 1000 *(Quarter)*	The number of falls resulting in a moderate or major injury per 1000 patient days. The 24 hour assessment is used to determine if an injury occurred and the severity of the injury. If a 24 hour assessment was not performed, the initial fall assessment is used to determine if an injury occurred.	(COUNT (CONCAT(FALL_DETAILS_D.FALL_DT_TM, FALL_DETAILS_D.ENCNTR_ID)) WHERE (IF ISNULL(FALL_DETAILS_D.AFTER_INJURY_ABBREV) THEN FALL_DETAILS_D.INITIAL_INJURY_ABBREV ELSE FALL_DETAILS_D.AFTER_INJURY_ABBREV) IN ('Major', 'Moderate') / SUM (FALL_METRICS_F.PATIENT_DAYS))*1000
EE	% of Falls Resulting in Injury *(Month)*	Percent of individual falls that had a patient injury associated with the fall. The 24 hour assessment is used to determine if an injury occurred and the severity of the injury. If a 24 hour assessment was not performed, the initial fall assessment is used to determine if an injury occurred.	COUNT (CONCAT(FALL_DETAILS_D.FALL_DT_TM, FALL_DETAILS_D.ENCNTR_ID)) WHERE (IF ISNULL(FALL_DETAILS_D.AFTER_INJURY_ABBREV) THEN FALL_DETAILS_D.INITIAL_INJURY_ABBREV ELSE FALL_DETAILS_D.AFTER_INJURY_ABBREV) IN ('Major', 'Minor', 'Moderate') / COUNT (CONCAT(FALL_DETAILS_D.FALL_DT_TM, FALL_DETAILS_D.ENCNTR_ID))

Index (Tab 1)	Report Field	Description	Formula
FF	% of Falls Resulting in Injury *(Quarter)*	Percent of individual falls that had a patient injury associated with the fall. The 24 hour assessment is used to determine if an injury occurred and the severity of the injury. If a 24 hour assessment was not performed, the initial fall assessment is used to determine if an injury occurred.	COUNT (CONCAT(FALL_DETAILS_D.FALL_DT_TM, FALL_DETAILS_D.ENCNTR_ID)) WHERE (IF ISNULL(FALL_DETAILS_D.AFTER_INJURY_ABBREV) THEN FALL_DETAILS_D.INITIAL_INJURY_ABBREV ELSE FALL_DETAILS_D.AFTER_INJURY_ABBREV) IN ('Major', 'Minor', 'Moderate') / COUNT (CONCAT(FALL_DETAILS_D.FALL_DT_TM, FALL_DETAILS_D.ENCNTR_ID))
GG	% of Falls with Minor Injury *(Month)*	Percent of individual falls that had a minor injury associated with the fall. The 24 hour assessment is used to determine if an injury occurred and the severity of the injury. If a 24 hour assessment was not performed, the initial fall assessment is used to determine if an injury occurred.	COUNT (CONCAT(FALL_DETAILS_D.FALL_DT_TM, FALL_DETAILS_D.ENCNTR_ID)) WHERE (IF ISNULL(FALL_DETAILS_D.AFTER_INJURY_ABBREV) THEN FALL_DETAILS_D.INITIAL_INJURY_ABBREV ELSE FALL_DETAILS_D.AFTER_INJURY_ABBREV) IN ('Minor') / COUNT (CONCAT(FALL_DETAILS_D.FALL_DT_TM, FALL_DETAILS_D.ENCNTR_ID))

Index (Tab 1)	Report Field	Description	Formula
HH	% of Falls with Minor Injury *(Quarter)*	Percent of individual falls that had a minor injury associated with the fall. The 24 hour assessment is used to determine if an injury occurred and the severity of the injury. If a 24 hour assessment was not performed, the initial fall assessment is used to determine if an injury occurred.	COUNT (CONCAT(FALL_DETAILS_D.FALL_DT_TM, FALL_DETAILS_D.ENCNTR_ID)) WHERE (IF ISNULL(FALL_DETAILS_D.AFTER_INJURY_ABBREV) THEN FALL_DETAILS_D.INITIAL_INJURY_ABBREV ELSE FALL_DETAILS_D.AFTER_INJURY_ABBREV) IN ('Minor') / COUNT (CONCAT(FALL_DETAILS_D.FALL_DT_TM, FALL_DETAILS_D.ENCNTR_ID))
II	% of Falls with Moderate+ Injury *(Month)*	Percent of individual falls that had a moderate or major injury associated with the fall. The 24 hour assessment is used to determine if an injury occurred and the severity of the injury. If a 24 hour assessment was not performed, the initial fall assessment is used to determine if an injury occurred.	COUNT (CONCAT(FALL_DETAILS_D.FALL_DT_TM, FALL_DETAILS_D.ENCNTR_ID)) WHERE (IF ISNULL(FALL_DETAILS_D.AFTER_INJURY_ABBREV) THEN FALL_DETAILS_D.INITIAL_INJURY_ABBREV ELSE FALL_DETAILS_D.AFTER_INJURY_ABBREV) IN ('Major', 'Moderate') / COUNT (CONCAT(FALL_DETAILS_D.FALL_DT_TM, FALL_DETAILS_D.ENCNTR_ID))

Index (Tab 1)	Report Field	Description	Formula
JJ	% of Falls with Moderate+ Injury *(Quarter)*	Percent of individual falls that had a moderate or major injury associated with the fall. The 24 hour assessment is used to determine if an injury occurred and the severity of the injury. If a 24 hour assessment was not performed, the initial fall assessment is used to determine if an injury occurred.	COUNT (CONCAT(FALL_DETAILS_D.FALL_DT_TM, FALL_DETAILS_D.ENCNTR_ID)) WHERE (IF ISNULL(FALL_DETAILS_D.AFTER_INJURY_ABBREV) THEN FALL_DETAILS_D.INITIAL_INJURY_ABBREV ELSE FALL_DETAILS_D.AFTER_INJURY_ABBREV) IN ('Major', 'Moderate') / COUNT (CONCAT(FALL_DETAILS_D.FALL_DT_TM, FALL_DETAILS_D.ENCNTR_ID))
KK	% Assessed within 24 Hrs of Admission *(Month)*	The percent of patients that were assessed for a risk of falls or fall related injury during their first 24 hours after admission. A patient will qualify for a nursing unit only if part of their stay on that unit occurred during the first 24 hours of the visit. However, the assessment only needs to occur once during the first 24 hours, not on each unit, for the patient to qualify.	SUM (FALL_METRICS_F.FIRST_DAY_ASSESSMENT) / SUM (FALL_METRICS_F.FIRST_DAY_IN_MONTH)

Index (Tab 1)	Report Field	Description	Formula
LL	% Assessed within 24 Hrs of Admission *(Quarter)*	The percent of patients that were assessed for a risk of falls or fall related injury during their first 24 hours after admission. A patient will qualify for a nursing unit only if part of their stay on that unit occurred during the first 24 hours of the visit. However, the assessment only needs to occur once during the first 24 hours, not on each unit, for the patient to qualify.	SUM (FALL_METRICS_F.FIRST_DAY_ASSESSMENT) / SUM (FALL_METRICS_F.FIRST_DAY_IN_MONTH)
MM	% Assessed for Risk Daily *(Month)*	The percent of patients assessed for risk during each 24 hour period following the initial 24 hours after admission. A patient's day (24 hour period) will qualify for the nursing unit if any part of that day was spent on the unit. However, the assessment only needs to occur once during the 24 hours, and not necessarily on each unit.	(SUM (FALL_METRICS_F.DAILY_ASSESSMENTS) – SUM (FALL_METRICS_F.FIRST_DAY_ASSESSMENT)) / (SUM (FALL_METRICS_F.DAYS_IN_MONTH) – SUM (FALL_METRICS_F.FIRST_DAY_IN_MONTH))

Index (Tab 1)	Report Field	Description	Formula
NN	% Assessed for Risk Daily *(Quarter)*	The percent of patients assessed for risk during each 24 hour period following the initial 24 hours after admission. A patient's day (24 hour period) will qualify for the nursing unit if any part of that day was spent on the unit. However, the assessment only needs to occur once during the 24 hours, and not necessarily on each unit.	(SUM (FALL_METRICS_F.DAILY_ASSESSMENTS) – SUM (FALL_METRICS_F.FIRST_DAY_ASSESSMENT)) / (SUM (FALL_METRICS_F.DAYS_IN_MONTH) – SUM (FALL_METRICS_F.FIRST_DAY_IN_MONTH))
OO	% Identified at Risk for Falls *(Month)*	The percentage of distinct patient visits where the patient was found to be at risk for falls.	COUNT (FALL_METRICS_F.ENCNTR_ID) WHERE (FALL_METRICS_F.AT_RISK_FALLS = 1) / COUNT (FALL_METRICS_F.ENCNTR_ID)
PP	% Identified at Risk for Falls *(Quarter)*	The percentage of distinct patient visits where the patient was found to be at risk for falls.	COUNT (FALL_METRICS_F.ENCNTR_ID) WHERE (FALL_METRICS_F.AT_RISK_FALLS = 1) / COUNT (FALL_METRICS_F.ENCNTR_ID)
QQ	% Identified at Risk for Fall Related Injury *(Month)*	The percentage of distinct patient visits where the patient was found to be at risk for fall related injury.	COUNT (FALL_METRICS_F.ENCNTR_ID) WHERE (FALL_METRICS_F.AT_RISK_INJURY = 1) / COUNT (FALL_METRICS_F.ENCNTR_ID)
RR	% Identified at Risk for Fall Related Injury *(Quarter)*	The percentage of distinct patient visits where the patient was found to be at risk for fall related injury.	COUNT (FALL_METRICS_F.ENCNTR_ID) WHERE (FALL_METRICS_F.AT_RISK_INJURY = 1) / COUNT (FALL_METRICS_F.ENCNTR_ID)

Index (Tab 1)	Report Field	Description	Formula
SS	% At Risk with Fall Prevention Plan Initiated *(Month)*	The percentage of patients who are at risk for falls that have a fall prevention plan initiated.	COUNT (FALL_METRICS_F.ENCNTR_ID) WHERE (FALL_METRICS_F.AT_RISK_FALLS = 1 AND FALL_METRICS_F.ON_PLAN = 1) / COUNT (FALL_METRICS_F.ENCNTR_ID) WHERE (FALL_METRICS_F.AT_RISK_FALLS = 1)
TT	% At Risk with Fall Prevention Plan Initiated *(Quarter)*	The percentage of patients who are at risk for falls that have a fall prevention plan initiated.	COUNT (FALL_METRICS_F.ENCNTR_ID) WHERE (FALL_METRICS_F.AT_RISK_FALLS = 1 AND FALL_METRICS_F.ON_PLAN = 1) / COUNT (FALL_METRICS_F.ENCNTR_ID) WHERE (FALL_METRICS_F.AT_RISK_FALLS = 1)
UU	% At Risk with Education Documented *(Month)*	The percentage of patients who are at risk for falls that have fall prevention education documented.	COUNT (FALL_METRICS_F.ENCNTR_ID) WHERE (FALL_METRICS_F.AT_RISK_FALLS = 1 AND FALL_METRICS_F.EDUCATION = 1) / COUNT (FALL_METRICS_F.ENCNTR_ID) WHERE (FALL_METRICS_F.AT_RISK_FALLS = 1)
VV	% At Risk with Education Documented *(Quarter)*	The percentage of patients who are at risk for falls that have fall prevention education documented.	COUNT (FALL_METRICS_F.ENCNTR_ID) WHERE (FALL_METRICS_F.AT_RISK_FALLS = 1 AND FALL_METRICS_F.EDUCATION = 1) / COUNT (FALL_METRICS_F.ENCNTR_ID) WHERE (FALL_METRICS_F.AT_RISK_FALLS = 1)

Figure 4. QI-CDS Tool Unit Quarterly Fall Details Section (Tab 2) – Detailed Description for each Cell

Report Name:	Fall Prevention - Quarterly Summary
Facility:	A
Unit:	B
Time Range:	C
Refresh Date/Time:	D
Page Number:	1 of 2

Jul 2010

FIN	Fall Date	Fall Time	Time to Document (hrs)	Admit Dt/Tm	Discharge Dt/Tm	Enc Type	Age	Sex	Activity at Time of Fall	Location of Fall	Initial Injury Asmt	24 Hr Injury Asmt	24 Hr Injury Document Dt/Tm	FW	FA	BA	R	Last MFS	MFS Span (Days)	At Risk	PP
E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
			Progress Note																		
			AA																		

FIN	Fall Date	Fall Time	Time to Document (hrs)	Admit Dt/Tm	Discharge Dt/Tm	Enc Type	Age	Sex	Activity at Time of Fall	Location of Fall	Initial Injury Asmt	24 Hr Injury Asmt	24 Hr Injury Document Dt/Tm	FW	FA	BA	R	Last MFS	MFS Span (Days)	At Risk	PP
E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
			Progress Note																		
			AA																		

Aug 2010

FIN	Fall Date	Fall Time	Time to Document (hrs)	Admit Dt/Tm	Discharge Dt/Tm	Enc Type	Age	Sex	Activity at Time of Fall	Location of Fall	Initial Injury Asmt	24 Hr Injury Asmt	24 Hr Injury Document Dt/Tm	FW	FA	BA	R	Last MFS	MFS Span (Days)	At Risk	PP
E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
			Progress Note																		
			AA																		

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Index (Tab 2)	Report Field	Description	Formula
A	Facility	Name of the facility for which the report has been run. This information is collected in the report prompt prior to running the report. Data is collected and stored for the patient facility for each location within the patient stay. Therefore, patients who are transferred across facilities will have data reflected for their time within each facility.	FALL_METRICS_F.FACILITY
B	Unit	Name of the nurse unit for which the report has been run. This information is collected in the report prompt prior to running the report. Data is collected and stored for each location within the patients stay. Therefore, patient data will split across multiple units and only data pertaining to the patient's time on the selected unit will display.	FALL_METRICS_F.UNIT
C	Time Range	The time range for the report. This information is collected in the report prompt prior to running the report. The report is always run for a quarter. If the current quarter is chosen, the report will display data from the beginning of the quarter through the last complete day.	CONCAT (DATE_D.QTRSTR, CONCAT (" ", DATE_D.YEARNUM))
D	Refresh Date/Time	The data and time of the report refresh.	
E	FIN	The patient's financial number. Only patients who had a fall are listed on the second tab of this report. The FIN is a unique number identifying each visit.	ENCOUNTER_D.FIN
F	Fall Date	The date of the fall event in MM/DD format.	FALL_DETAILS_D.FALL_DT_TM
G	Fall Time	The time of the fall event in HH:mm format.	FALL_DETAILS_D.FALL_DT_TM
H	Time to Document (hrs)	The time between the initial documentation of the fall and the fall event, displayed as a numeric value representing the number of hours.	FALL_DETAILS_D.DOCUMENTED_DT_TM – FALL_DETAILS_D.FALL_DT_TM
I	Admit Dt/Tm	The inpatient admission date and time for the current visit, displayed in MM/DD/YYYY HH:mm format.	ENCOUNTER_D.ADMIT_DT_TM
J	Discharge Dt/Tm	The inpatient discharge date and time for the current visit, displayed in MM/DD/YYYY HH:mm format.	ENCOUNTER_D.DISCHARGE_DT_TM
K	Enc Type	The encounter type of patient visit (ie. Inpatient, Observation)	ENCOUNTER_D.ENCNTR_TYPE
L	Age	The patients age at the time of the fall, displayed as a whole number.	FALL_DETAILS_D.FALL_DT_TM – PERSON_D.DATE_OF_BIRTH
M	Sex	The sex/gender of the patient (M or F).	PERSON_D.GENDER
N	Activity at Time of Fall	The patient's activity at the time of the fall.	FALL_DETAILS_D.ACTIVITY_AT_FALL

O	Location of Fall	The patient's location at the time of the fall.	FALL_DETAILS_D.LOCATION_OF_FALL
P	Initial Injury Asmt	The results of the initial injury assessment, performed directly after the fall.	FALL_DETAILS_D.INITIAL_INJURY_ABBREV
Q	24 Hr Injury Asmt	The results of the 24 hour fall assessment, performed 1 day after the patient fell. This is expected to be null if the patient was discharged within 24 hours of the fall.	FALL_DETAILS_D.AFTER_INJURY_ABBREV
R	24 Hr Injury Document Dt/Tm	The date and time the 24 hour fall assessment was performed, displayed in MM/DD/YYYY HH:mm format.	FALL_DETAILS_D.AFTER_INJURY_DATE
S	FW	Was the fall witnessed (Y/N).	FALL_DETAILS_D.FALL_WITNESS
T	FA	Was the fall assisted (Y/N).	FALL_DETAILS_D.FALL_ASSIST
U	BA	Was a bed alarm in place prior to the fall (Y/N).	FALL_DETAILS_D.BED_ALARM
V	R	Was the patient in restraints at the time of the fall (Y/N).	FALL_DETAILS_D.RESTRAINTS
W	Last MFS	The results of the last Morse Fall Scale taken prior to the patient's fall.	FALL_DETAILS_D.MORSE_SCORE
X	MFS Span (Days)	The difference (displayed as a numeric representation of days) between the time of the fall and the time of the last Morse Fall Scale.	FALL_DETAILS_D.FALL_DT_TM – FALL_DETAILS_D.MORSE_DT_TM
Y	At Risk	Did the patient have an active, documented Risk for Falls at the time of the fall.	FALL_DETAILS_D.AT_RISK
Z	PP	Did the patient have an active fall prevention plan of care at the time of the fall.	FALL_DETAILS_D.POWER_PLAN
AA	Progress Note	The nurses or physicians progress note, documented with the fall data.	FALL_DETAILS_D.PROGRESS_NOTE

Data Element Descriptions

Report Definitions: Falls Summary (Page 1)

Facility: The facility abbreviation for the hospital for which the report was run.

Unit: The unit name for which the report was run.

Refresh Date: The date on which the report was last refreshed.

Page Number: Page number and number of pages for Falls Summary.

Body of report

Number of Patients: The number of distinct patients that stayed on the unit during the month. The QTD total will not be the sum of the individual months, as it is a total of distinct patients who stayed on the unit during the quarter. Therefore, a patient whose stay crosses two months will be counted in the metric for each of the months, but only once for the quarter.

Number of Encounters: The number of distinct patient encounters or stays that occurred sometime within the month and included a stay on the unit. An encounter does not need to be fully contained within a month in order to count for that month.

Number of Patient Days: Patient days are calculated from the patients admit time to the next day. Each patients day may start at a different time, matching their admit time on their first day. Each day is grouped into the month in which the day starts. Therefore a patient who is admitted October 31st at noon and released November 2nd at noon will have 2 patient days. The first day would count as an October day and the second day would count as a November day. Each individual day can be subdivided across multiple units and fractions of a day are included in totals.

Number of Patients with a Fall: The number of patients who fell on the unit. Each patient is counted a maximum of one time per month, regardless of the number of falls.

Number of Falls: The number of individual fall events on the unit.

% of Patients with a Fall: The number of patients with a fall divided by the number of patients who spent time on the unit.

Number of Falls per 1000 Patient Days: The number of falls divided by the number of patient days * 1000.

% At Risk Prior to Fall: The number of falls where the patient was identified as "At Risk for Falls" prior to the fall divided by the total number of falls.

% Non-Risk Prior to Fall: The number of falls where the patient was not identified as "At Risk for Falls" prior to the fall divided by the total number of falls.

Number of Injuries From a Fall: The number of falls with an injury documented on the most recent fall assessment.

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Number of Injuries per 1000 Patient Days: The number of injuries from a fall divided by the total number of patient days * 1000.

Number of Minor Injury per 1000: The number of injuries documented as minor divided by the total number of patient days * 1000.

Number of Moderate+ Injury per 1000: The number of injuries documented as moderate or major divided by the total number of patient days * 1000

% of Falls Resulting in Injury: The number of Injuries from a Fall divided by the total number of falls.

% of Falls with Minor Injury: The number of falls with a minor injury documented on the most recent fall assessment divided by the total number of falls.

% of Falls with Moderate+ Injury: The number of falls with a moderate or major injury documented on the most recent fall assessment divided by the total number of falls.

% Assessed within 24 Hrs of Admission: The percentage of patients with at least a portion of their first 24 hours after admission spent on the unit with an assessment performed during that 24 hour period of time. This assessment may have occurred on another unit. In order for a person to be counted within a month, their date of admission has to be within that month.

% Assessed for Risk Daily: The percentage of patients with at least a portion of each 24 hour period after their first 24 hours after admission spent on the unit with at least one assessment performed during that period. Each patient may count multiple times in both the numerator and denominator.

% Identified at Risk for Falls: The percentage of patients that stayed on the unit and where identified as "At Risk for Falls" during their stay.

% Identified at Risk for Fall Related Injury: The percentage of patients that stayed on the unit and where identified as "At Risk for Fall Related Injury" during their stay.

% At Risk with Fall Prevention Plan Initiated: The number of patients identified as At Risk with a Fall Prevention Power Plan initiated divided by the total number of patients identified as At Risk.

% At Risk with Education Documented: The number of patients identified as At Risk with Fall related education documented divided by the total number of patients identified as At Risk.

Patient Falls (Page 2)

Facility: The facility abbreviation for the hospital for which the report was run.
Unit: The unit name for which the report was run.
Refresh Date: The date on which the report was last refreshed.
Page Number: Page number and number of pages for the Patient Fall portion of the report.

Body of report

FIN: The financial (FIN) number (unique identifier) of the patient who fell.

Fall Date: The date of the patients fall.

Fall Time: The time of the patients fall.

Time to Document: The number of hours between the patient's fall (date/time) and the start of the fall documentation.

Admit Dt/Tm: The patients admit date and time.

Discharge Dt/Tm: The patient's discharge date and time, if discharged by report run time.

Enc Type: The encounter type of the patient (Inpatient, Observation, etc.)

Age: The age of the patient at the time of the fall.

Sex: The gender of the patient.

Activity at Time of Fall: The documented activity at the time of the patients fall.

Location of Fall: The documented location of the fall.

Initial Injury Asmt: The Injury Assessment at the time of the initial fall documentation.

24 Hr Injury Asmt: The Injury Assessment (if documented) for the 24-hour post fall assessment.

24 Hr Injury Document Dt/Tm: The date and time the 24-hour post fall assessment was documented.

FW: Was the fall witnessed? (Yes or No)

FA: Was the fall assisted? (Yes or No)

BA: Was a bed alarm (BA) documented for patient prior to the time and date of the fall?. (Yes if present.

R: Were restraints (R) documented prior to the time and date of the fall? (Yes if present).

Last MFS: The last Morse Fall Score (MFS) documented prior to the fall. (Fall Risk Assessment tool used at the facility)

MFS Span: The number of days (including fractional days) prior to the fall that the most recent Morse Fall Score (MFS) was documented.

PP: Was a Fall Prevention Plan initiated prior to the fall? (Yes if present)

At Risk: Was the patient "At Risk for Falls" prior to the fall (based on the presence of an active problem on the problem list).

Progress Note: The progress note documented with the initial fall assessment. This free text will only be extracted in the note was created in the context of completing the Post Fall Initial Assessment form.