

Abstract Summary:

- **2009 Fall Prevalence Rate: 2.26 per 1,000 patient days.**
- **2009 Total Room Sitter Usage: 12 FTE (\$312,000)**
- **December 2009: Install Video Monitoring System**
 - Digital cameras mounted in 5 designated patient rooms
 - Centrally located monitor
 - Represents 26% of the unit under video monitoring
- **Objectives:**
 - continuous visual observation of patients by remote staff
 - supplement the need for dedicated room sitters
- **Video Monitoring System Has Been a Success**
 - 2010 Fall Prevalence Rate: 1.88 per 1,000 patient days
 - 1.79 per 1,000 patient days for monitored area
 - 2010 Room sitter usage was 4 FTEs. (down from 12 in 2009)

Procedure:

■ Existing Data Reviewed

- Patient Fall Rate and Sitter Usage prior to Video Monitoring System
- Fall prevalence rate per 1,000 patient days of 2.16 for 2009.
- Total patient days for 2009 equaled 4120 days.
- Fall rate was based on the 9 patient falls reported in Patient Safety Net through the University Health System Consortium over the 4,175 patient days in 2009.
- The total room sitter usage in 2009 was 12 FTEs totaling over \$312,000 incurred unit costs.

■ Inspected existing video monitoring system set-up in Children's Psychiatric Area.

■ Obtained quotes on video monitoring system.

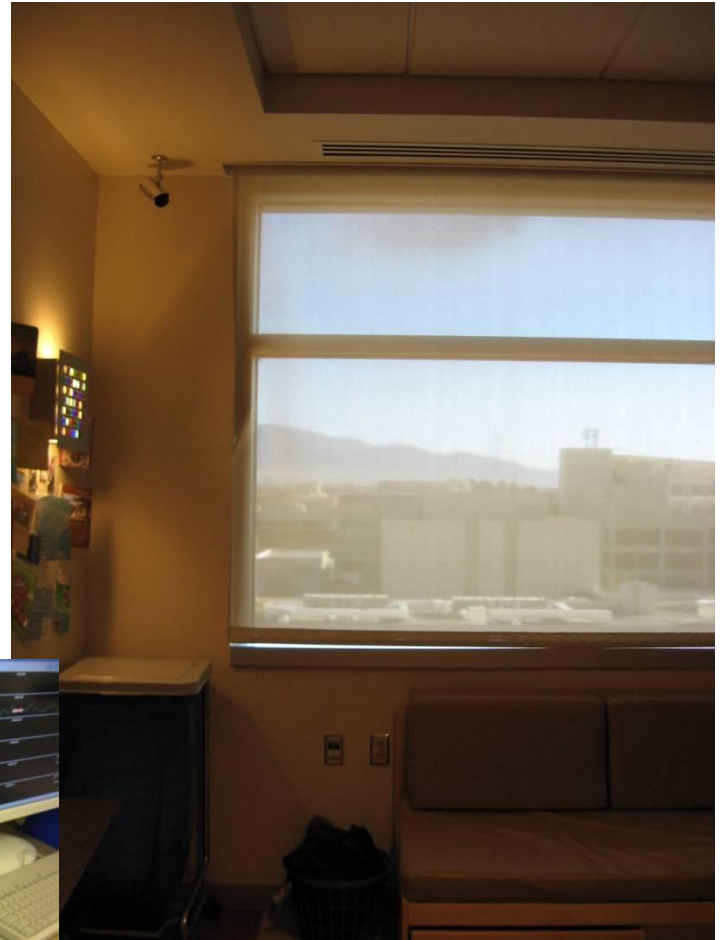
Procedure:

- **Set up Video Monitoring System in 5 patient rooms designated for Rehabilitation Patient Population (26% of Unit Area).**

- **Centralized Monitor Installed at Nurses Station.**

- **Educational Initiative and New Expectations for Unit Charge Nurses Regarding Sitter Usage.**
 - Sitters would only be ordered for patients that were a threat to self or others.
 - Nurse Techs on unit expected to assist with watching the centralized monitor and round on agitated patients more frequently.
 - Posey Bed Enclosure Systems would be utilized more frequently to promote patient safety.
 - Implementation date of 12/14/2009 established.

Procedure:

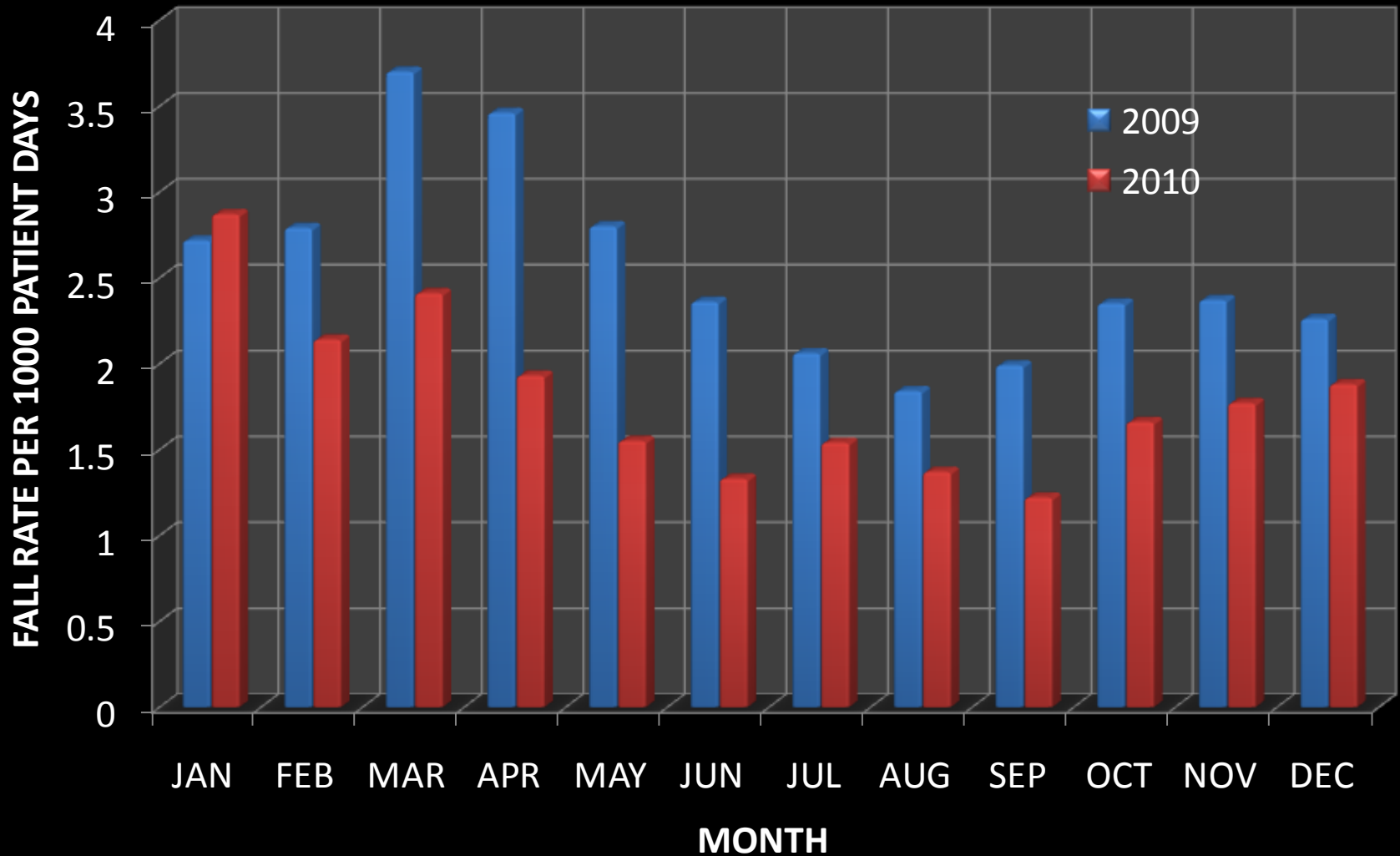


Data:

MONTH/ YEAR	NO. OF FALLS	NO. PATIENT DAYS	ANNUAL FALL RATE PER 1000 PDs
Jan-09	2	368	-
Feb-09	0	349	2.79
Mar-09	2	364	3.70
Apr-09	1	366	3.46
May-09	0	341	2.80
Jun-09	0	328	2.36
Jul-09	0	308	2.06
Aug-09	0	293	1.84
Sep-09	1	295	1.99
Oct-09	2	398	2.35
Nov-09	1	382	2.37
Dec-09	0	383	2.26
Jan-10	1	383	2.87
Feb-10	1	362	2.14
Mar-10	1	310	2.41
Apr-10	0	308	1.93
May-10	0	380	1.55
Jun-10	0	318	1.33
Jul-10	1	348	1.54
Aug-10	0	326	1.37
Sep-10	0	344	1.22
Oct-10	2	342	1.66
Nov-10	1	346	1.77
Dec-10	1	288	1.88

Data:

FALL RATE CHART



Data Analysis:

- 2009 FALLS: 2.26 per 1000 patient days (0.226%)
- 2010 FALLS: 1.88 per 1000 patient days (0.188%)
- 12.9% Reduction with 26.3% of Unit Area Monitored
- 2010 Data Analysis: Monitored vs. Unmonitored Area

	NO. PATIENT DAYS	FALLS	FALL RATE PER 1000 PDs
TOTAL	4247	8	1.88
MONITORED	1117	2	1.79
UNMONITORED	3130	6	1.92



Conclusions:

- A 17% fall reduction observed in 2010 compared to 2009
- Sitter usage reduced by 8 FTE's
- 2010 cost savings: \$208,000 (sitter reduction)
- Implementation of the video monitoring system has been a success

Data Update

- Actual Fall Rate for 2011 January-June= 1.57 per 1000 Patient Days
 - 1 fall monitored
 - 3 falls unmonitored
- Sitter Usage from January 2011 - June 2011
 - Sitter usage = 0.4 FTEs- ordered for patients that were a threat to self or others.
 - Unit incurred cost for sitter usage= \$7,440