



RÉSEAU DE SANTÉ

Horizon
HEALTH NETWORK

Falls Prevention Strategy

June 2010

FALLS IN NEW BRUNSWICK

- Falls resulted in 2000 people admitted to hospital in the province.
- Almost half of these people had fractured hips
- 165 died in hospital as a result of this fall

Falls in Hospital

- Accounts for the highest number of reported sentinel events.
- Results in longer LOS (ALC)
- Nursing Home admissions

Public Health Approach



Original Aim

Purpose: To decrease the number of patient falls by 20% by increasing staff awareness and providing education on fall risk through evidence based strategies.

Scope: 200 patients

Boundary: Awareness strategies initially limited to nursing staff but later will involve all disciplines.

FOUR STRATEGIC PILLARS FOR FALLS PREVENTION

Leadership & Policy

Falls Prevention
Committee
National
Curriculum
National
Collaborative
Resources
Policies
Equipment/beds

Education & Awareness

Orientation
E-learning
Staff Meetings
Communication
Patient booklets
Community
National
Curriculum

Surveillance

Definition of fall
Statistical tool
Post fall
Assessment
Data Analysis
Communication

Evaluation & Research

Staff survey
Education sessions
Fall data
Analysis & reporting
Dissemination
Research

Leadership & Advocacy

- Establish a multidisciplinary Falls Prevention Committee
- Establish Master Trainers in the National Falls Prevention Program
- Support the need for additional or improved patient equipment
- Participate in National Collaborative for Falls Prevention
- Falls Prevention Policy & Least Restraint Policy.
- Develop necessary tools for surveillance (PFD, Environmental Audit)

Education & Awareness

- Educate staff on preventing patient falls.
- Identify and foster delegated best practice champions and improvement teams for each program/unit.
- Develop a Falls Prevention Education Package and distribute to all Programs within Zone.

Develop a mandatory e-learning program on falls prevention.

- Offer the National Falls Prevention Curriculum course three times per year for staff and community stakeholders.
- Education for patients and families.

Surveillance

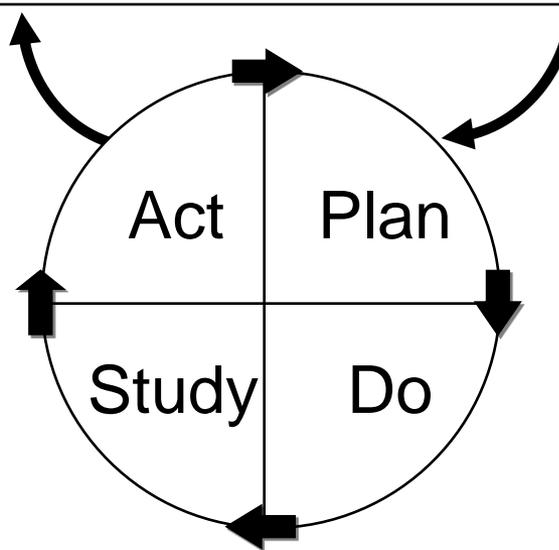
- Adopt a Corporate definition of a fall.
- Choose appropriate reliable risk assessment tool.
- Ensure all falls, regardless of significance, are documented
- Capture comprehensive falls data

The Model for Improvement

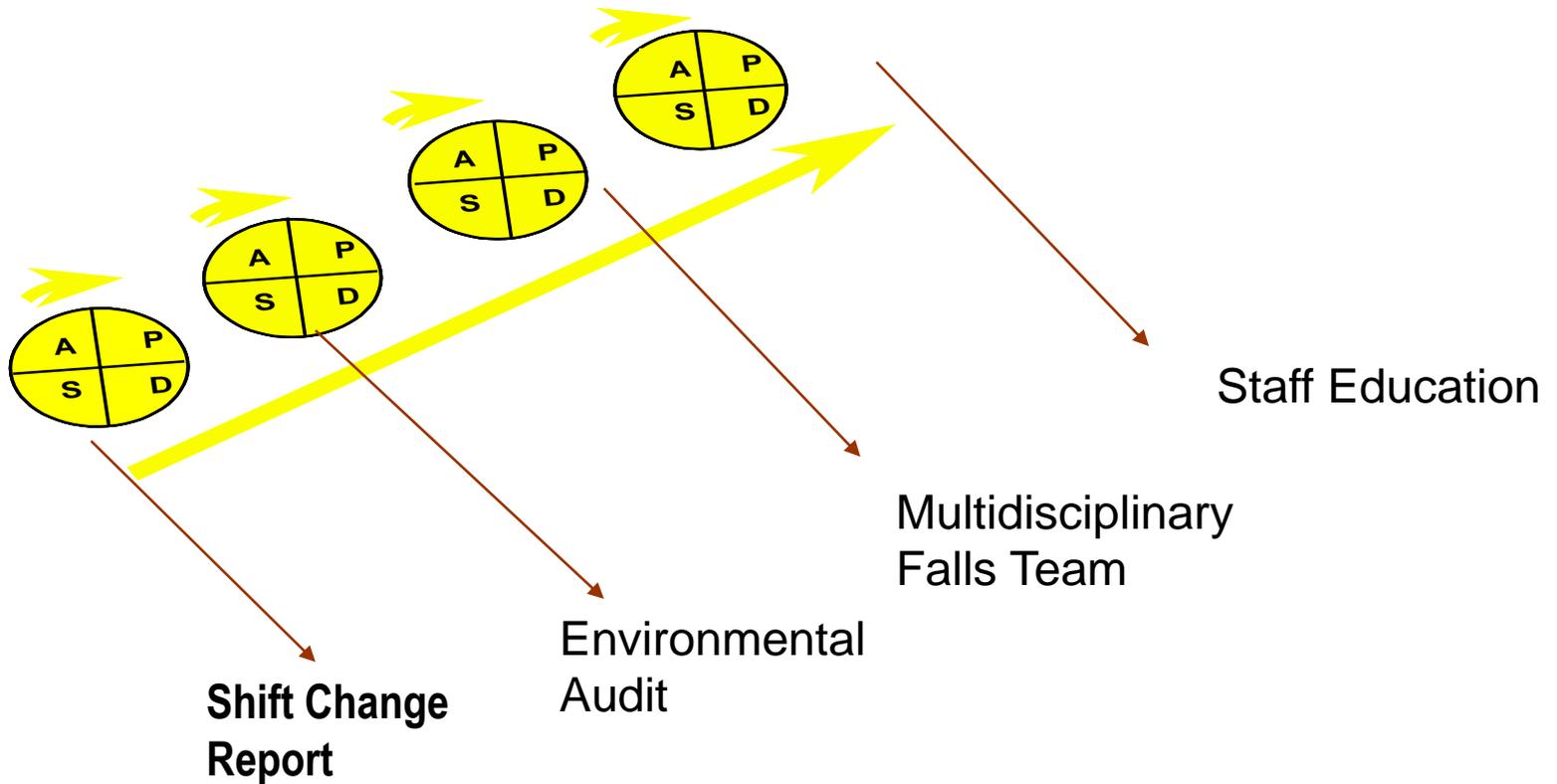
- **What are we trying to accomplish?**
- **How will we know that a change is an improvement?**
- **What changes can we make that will result in an improvement?**



Aim



CHANGES NEEDED



Evaluation

- **Random Chart Audit:** A total of 140 charts were audited between the months of July 2009 and September 2009. The purpose of the audit was to determine staff compliance with the assessment tools. (98 % Compliance)

Environmental Audit

- A total of 84 **Environmental Audits** were completed on seven nursing units over a 12 month period.
- The changes that were made to eliminate fall risk were well documented and these changes were evaluated for effectiveness.

Change Cycle

Shift Report	Environmental Audit	Falls Committee	Education
<ul style="list-style-type: none"> • Falls awareness report adopted • Falls awareness report reviewed daily by all disciplines <p>RESULTS:</p> <ul style="list-style-type: none"> ➤ 95% compliance trend > 	<ul style="list-style-type: none"> • Audit implemented • Staff educated and assigned <p>RESULTS:</p> <ul style="list-style-type: none"> ➤ 100% staff use audit tool ➤ 100% of room audits completed 	<ul style="list-style-type: none"> • Awareness & education • Supporting champions • Implement ideas\barriers identified <p>RESULTS:</p> <ul style="list-style-type: none"> ➤ Ongoing changes 	<ul style="list-style-type: none"> • General education on fall risk ongoing • Education on each PDSA cycle ongoing <p>RESULTS:</p> <ul style="list-style-type: none"> ➤ 94% of all staff received education

RESULTS

Shift Report	Environmental Room Audit	Falls Committee	Education Awareness
<ul style="list-style-type: none"> • Success hinged on creating the will to embrace change and the support provided. • Risk report evolved to include taped report • Staff 100% compliant since included in taped report • It was identified that all disciplines needed to participate 	<ul style="list-style-type: none"> • Success resulted from staff “buy in”, education and support. • Successful in raising awareness of risk amongst all disciplines. • Room changes made to reduce risk 	<ul style="list-style-type: none"> • Success resulted from staff “buy in”, education, support. • Terms of reference developed. • Learning: All of multidisciplinary team members have a part to play in falls prevention. 	<ul style="list-style-type: none"> • All staff received falls prevention in service. • Staff certified in the Canadian Falls Prevention Curriculum. • Sessions created for staff input. • Evaluation ongoing

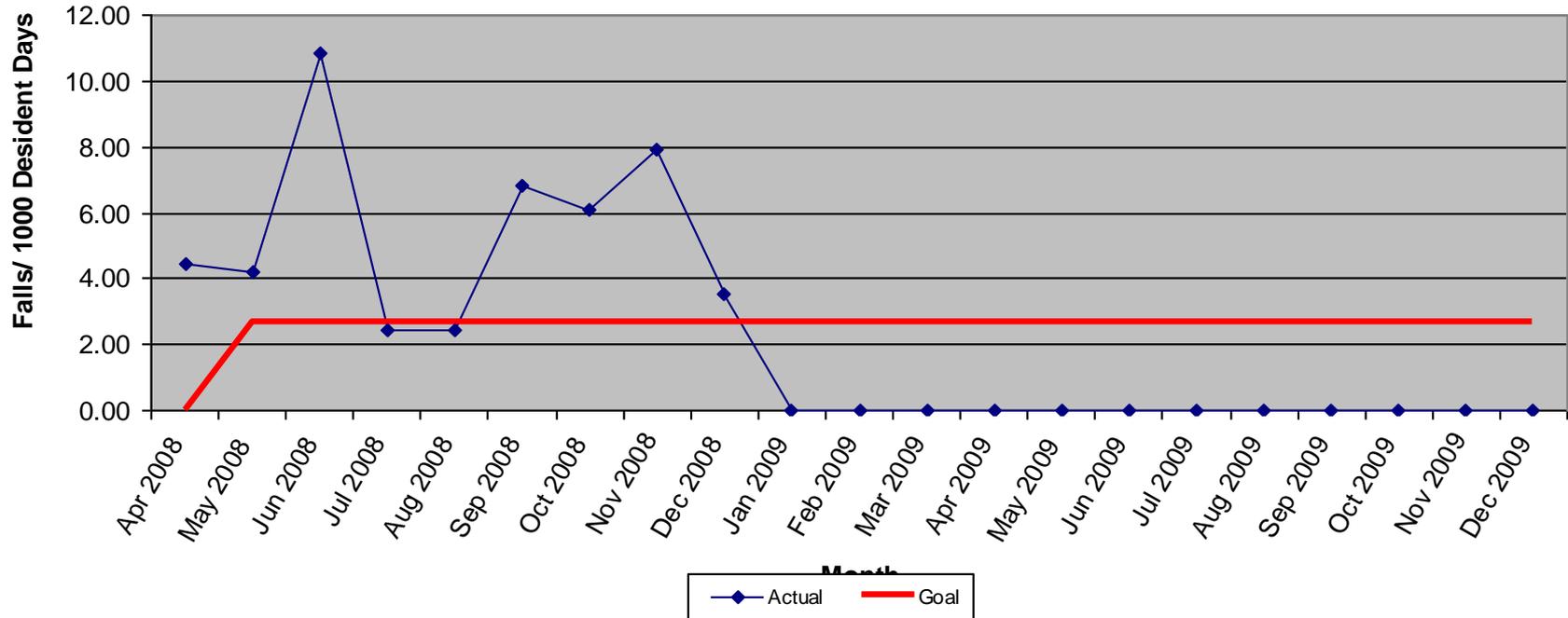
Evaluation

- The number of **Post Fall Data Collection sheets** were compared to the number of Incident Reports completed and submitted to Risk Management.

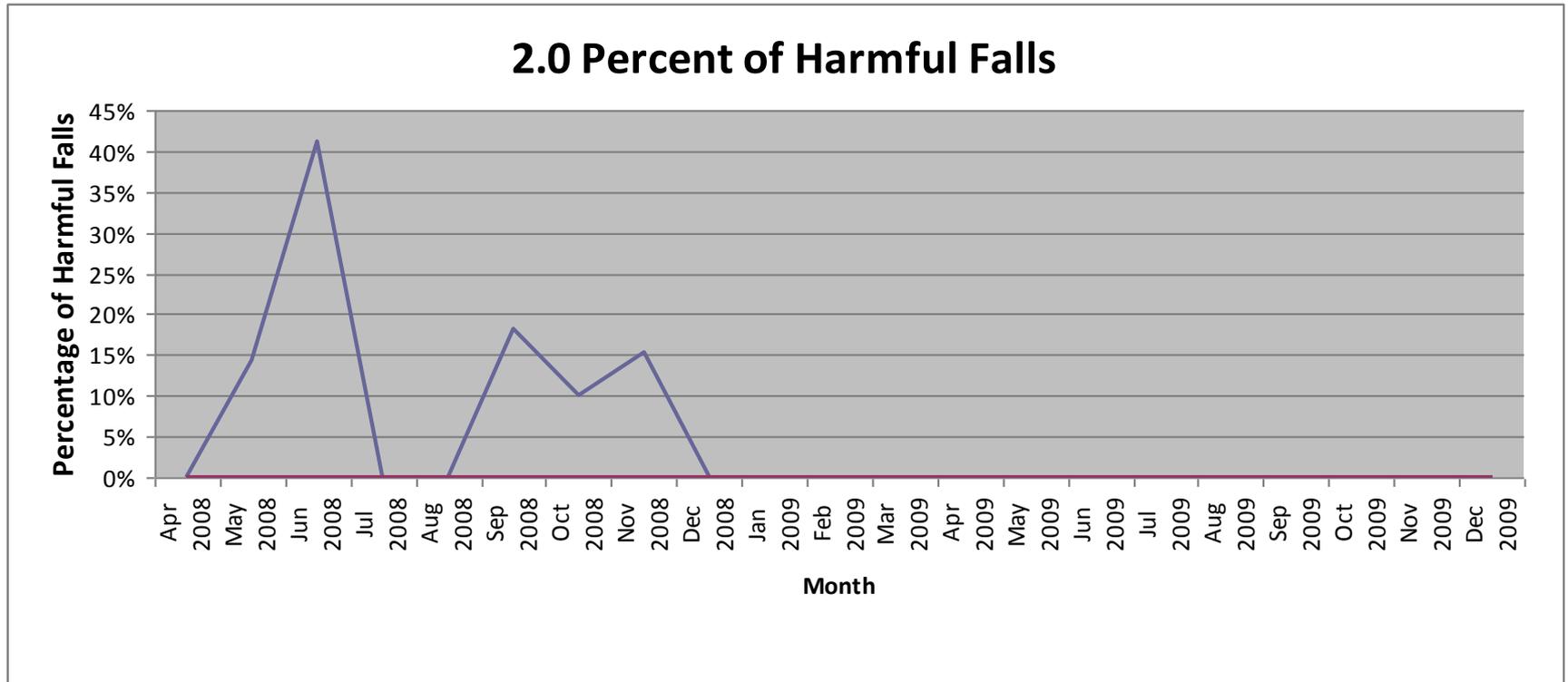
	2008-2009
Falls reported through Incident Report System in Risk Management	494
# of Post Fall Data Collection sheets completed	489

Fall Rate

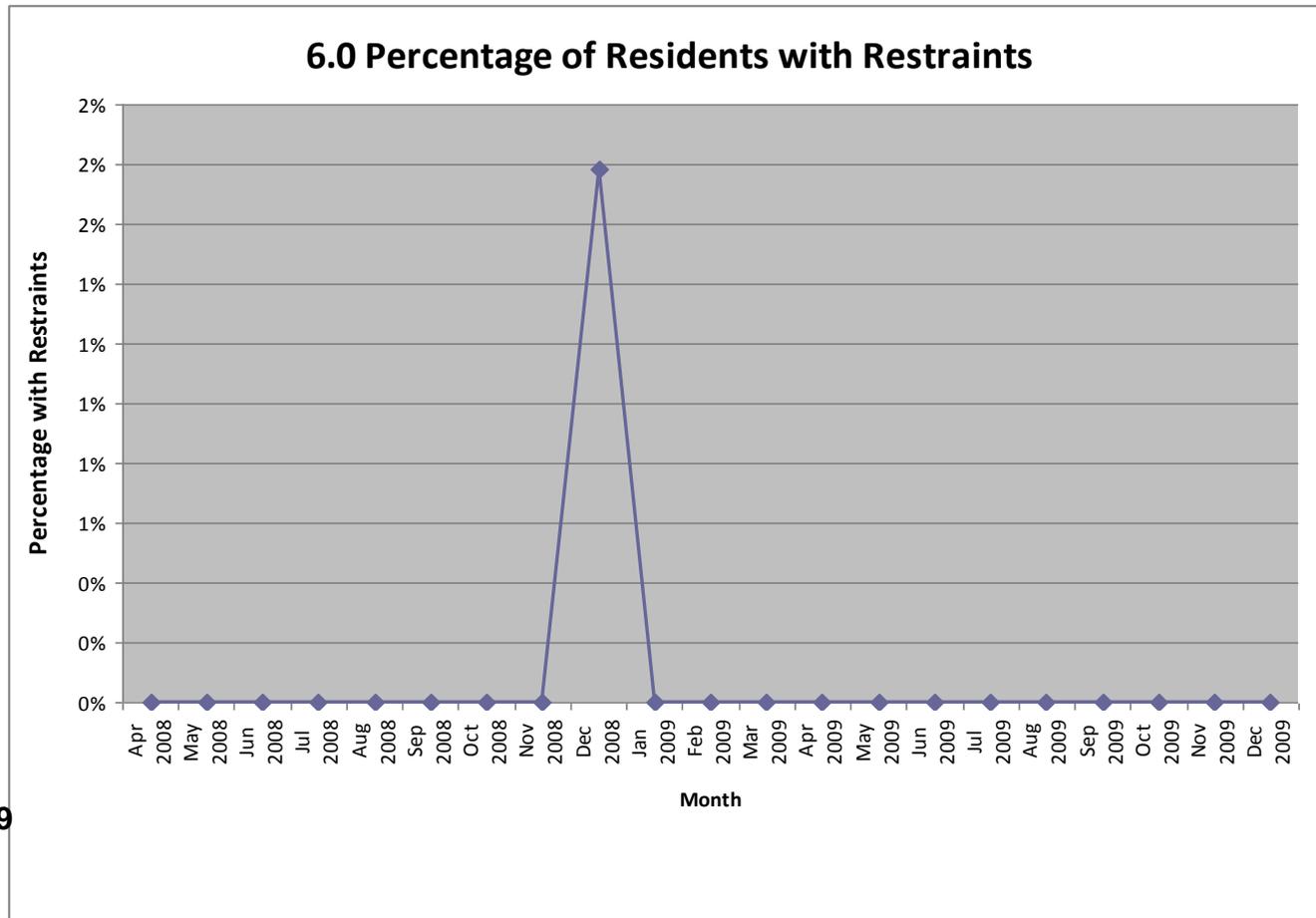
1.0 Falls Rate per 1000 Resident Days



Harmful Falls

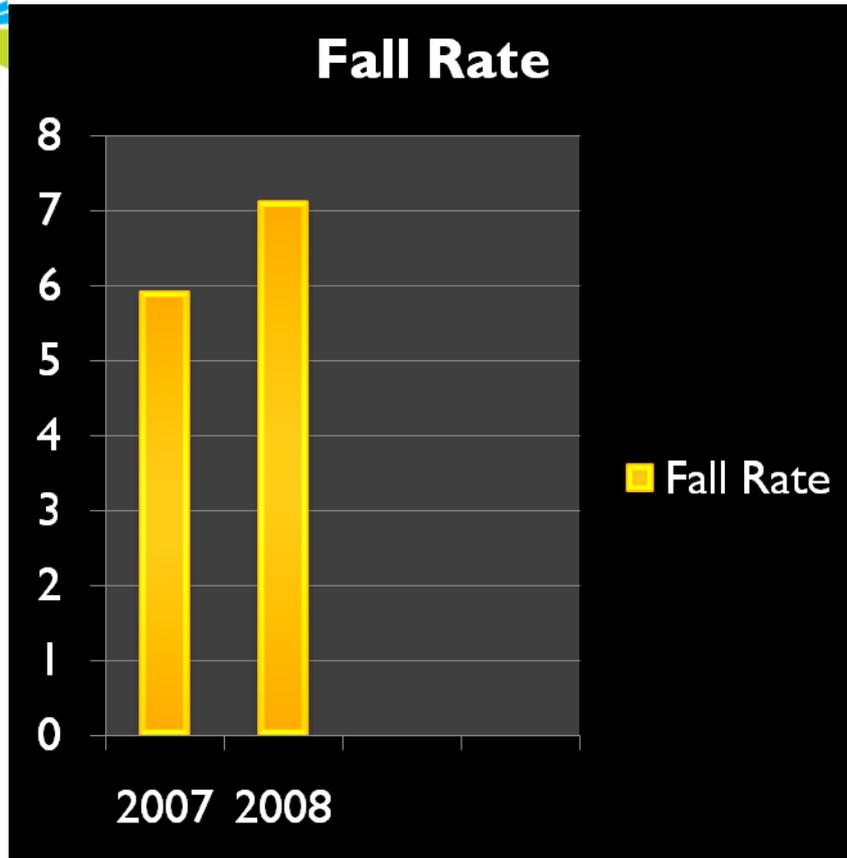


Residents with Restraints

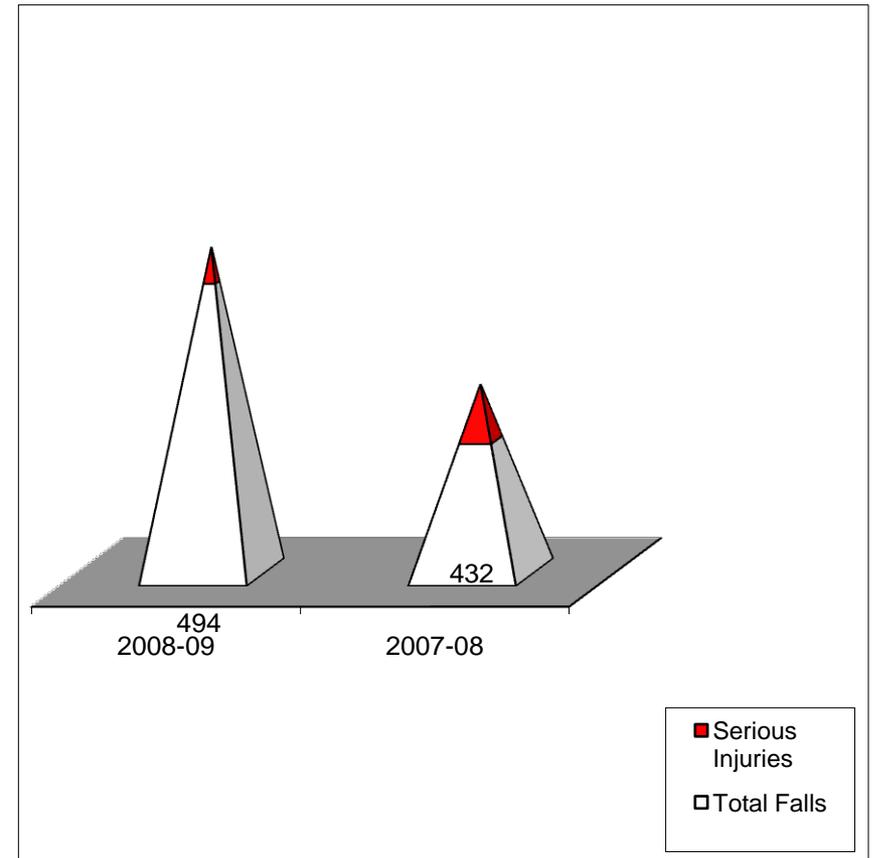


Feb. 6/09

Health & Aging Fall Rate



Health & Aging Serious Injuries



Fall Rates & Serious Injuries
Number of Patient Falls X 1000
Number of patient days

SERIOUS INJURIES

Health & Aging Program	2007-2008	2008-2009
Reported Fall Incidents	432	494
Serious Injuries	22	14
% of total # falls resulting in serious injury	5.7%	2.8%

Hospital Costs for Fall-Related Injury

Injury	Average Cost per Case
Hip fracture	\$18,508
Upper limb	\$11,517
Head	\$14,425
Abdomen, lower back, lumbar spine and pelvis	\$14,135

Source: 2001/02-2004/05 CIHI discharge abstract data base for B.C., acute and rehab case only.

With a 40% reduction in serious injuries, it is possible that the overall **savings of \$150,000** was realized by this intervention in our program.

We believe our success in decreasing the numbers of serious injuries hinged on best practice and is dependant on four key components:

- A team approach to prevention that included all support staff.
 - Continuous education to raise **awareness** of fall risk and need for prevention.
 - Development of standard tools to measure outcomes.
 - Regular monitoring and review of fall related incidents.
- ★ Falls Prevention Champions on each unit







Ask these 3 questions before leaving a patient's room:

1. Do you need to use the toilet?
2. Do you have any pain or discomfort?
3. Do you need anything before I leave?

Asking these simple questions will:

- reduce the risk of patient falls
- decrease patients' use of call bell
- Increase patient satisfaction



Safe environment

- Bottom bed rails down unless assessed otherwise
- Pathways clear of clutter and tripping hazards
- Bed and chair brakes are "on"
- Lights are working and "on" as required

Assist with mobility

- **Mobilize** at least twice/day
- Safe and **regular** toileting
- Transfer / mobility assist **documented**
- Glasses, hearing and mobility aides within patient reach

Fall risk reduction

- Call bell in patients reach
- Bed lowered to **patient's knee height**
- Personal items reachable
- Proper footwear available and in use

Engage patient and family

- Discuss risk factors with patient and family
- Mutual Falls/Injury Prevention plan developed



EVALUATION AND LESSONS LEARNED

Lessons Learned Health & Aging Program

- The number of reported fall related incidents and the fall rate increased during the year that the Fall Prevention Program was implemented.
- One factor contributing to this increase may be related to a heightened awareness of the necessity to report and to document “near miss” incidents..

Lessons Learned

- While it may be valuable to trend patient **fall rates**, care should be taken when comparing rates from year to year, unit to unit, unit to organization, or comparisons between institutions.
- Although the number of falls increased, the number of **serious fall related injuries** in the Health & Aging Program decreased by 40%.

Lessons Learned

- Only 58% of patients/families surveyed confirmed that they received patient safety information (verbal or written).
- There is a need to improve communication and provide further education for patients and their families on safety.





New Brunswick Health Restructuring Opportunities

- Province population 800,000
- Horizon Health Network Houses 600,000
- Health Network Staff 12,500
- Accreditation 2010 (ROP Falls Prevention)

Goals of Horizon's Fall Prevention Committee

- Review and adoption of the Falls Prevention Strategy in all zones
- Common definition of a fall
- Common Risk Assessment Tool
- Policy
- Education
- Indicators
- E-Learning
- Patient Information
- CFPC

Falls Prevention IT'S EVERYONE'S JOB!

