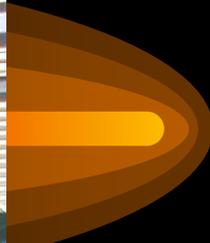


Patient Lift Teams

By: William Charney, DOH



- 
- LIFTING TEAMS PUT RISK WHERE IT CAN BE CONTROLLED; IN SMALL GROUPS OF TEAMS RATHER THAN HUNDREDS OR THOUSANDS OF NURSING PERSONNEL









- 
- ONE OF THE MAJOR RISK MANAGEMENT PRINCIPLES OF LIFT TEAMS IS THAT LIFTING IS A SKILL NOT A RANDOM TASK

GOAL



- NURSES DOING ALMOST NO LIFTING;
THIS CREATES A REDUCTION OF
EXPOSURE TO INJURY POTENTIAL

RESULTS OF PEER REVIEW STUDIES

Charney: 10 Hospital Study

- *69% Reduction in Injury Rate
- *62% Reduction in Incident Rate
- *90% Reduction in Lost Days
- *72% Reduction in Workers Comp Cost
- *23.5 Combined Years of Lift Team Experience

Charney: 18 Hospital Study

- Published 2003, Journal of Healthcare Safety, vol. 1 no.2, Spring 2003
- All 18 participating hospitals that provided data showed statistically significant reductions in lost days, medical costs, numbers of injuries, restricted days

St. Francis Medical Center, Indiana



- Lift Team 24/7
- 17 Lift Team Members: Some internal hires some external hires
- 710 Bed Acute Care Facility
- One Year 16,000 Lift Teams did 16,000 Lifts and 26,000 Turns/Repositions
(2005)

St. Francis Results: One Year

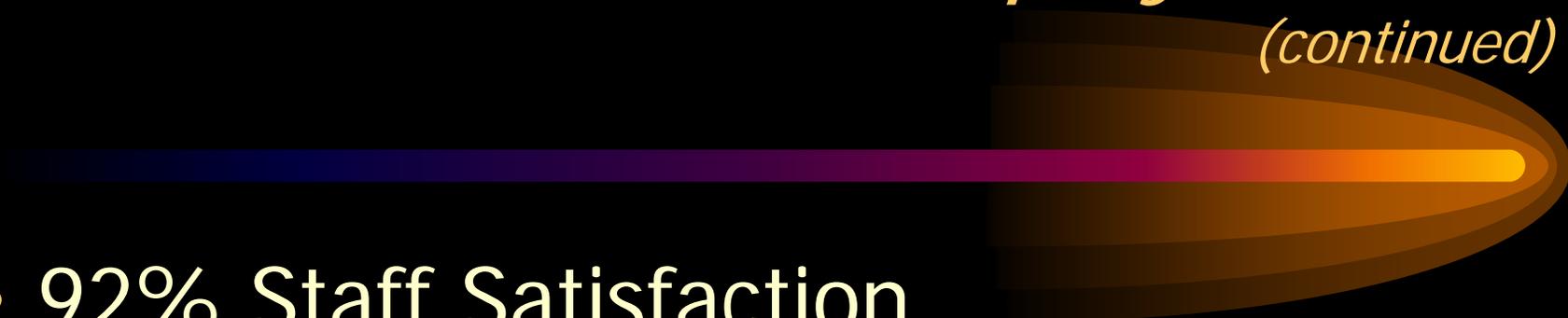
(continued)



- 39% Reduction of Lost Work Days
- 54% Reduction of Restricted Work Days
- 72% Reduction in Medical Costs
- Total Savings First Year: \$440,000
- Equipment Investment: \$54,000

St. Francis: Employee Data

(continued)



- 92% Staff Satisfaction
- 80% Reported Less Muscle Strain
- 78% Reported Safer Working Environment
- 73% Reported More Time for Other Duties
- 48% Reported Improved Staff Morale

St. Francis: Employee Data

(continued)



- Pressure Ulcer Incidence Rate Declined Each Quarter
- Patients Out of Bed More Frequently
- Patients Turned/Repositioned More Often
- 81% of Staff Reported Patient Transfer Safer
- 43% of Staff Reported Improved Patient Satisfaction with Lift Team Transfers

UC Davis: Data



- 2005: No Injury Claims Since the Lift Team Implemented
- 2004: 23 Patient Handling Claims
- 2003: 47 Patient Handling Claims

UC Davis: Data (continued)



- Medical Center Expects to Save \$500,000 per Year in Claim Costs
- Initial Start Up Costs: \$260,000 a Year in Wages - 14 Lift Team Members in Two Person Teams in 12 Hour Shifts
- Service Available 24/7
- Pay: \$14.81/Hour # of Lifts/Day 140

Mt. Diablo Healthcare, California



- 576 Bed Facility
- Reduction of Claims for Back Injury
\$475,000 Since 2002

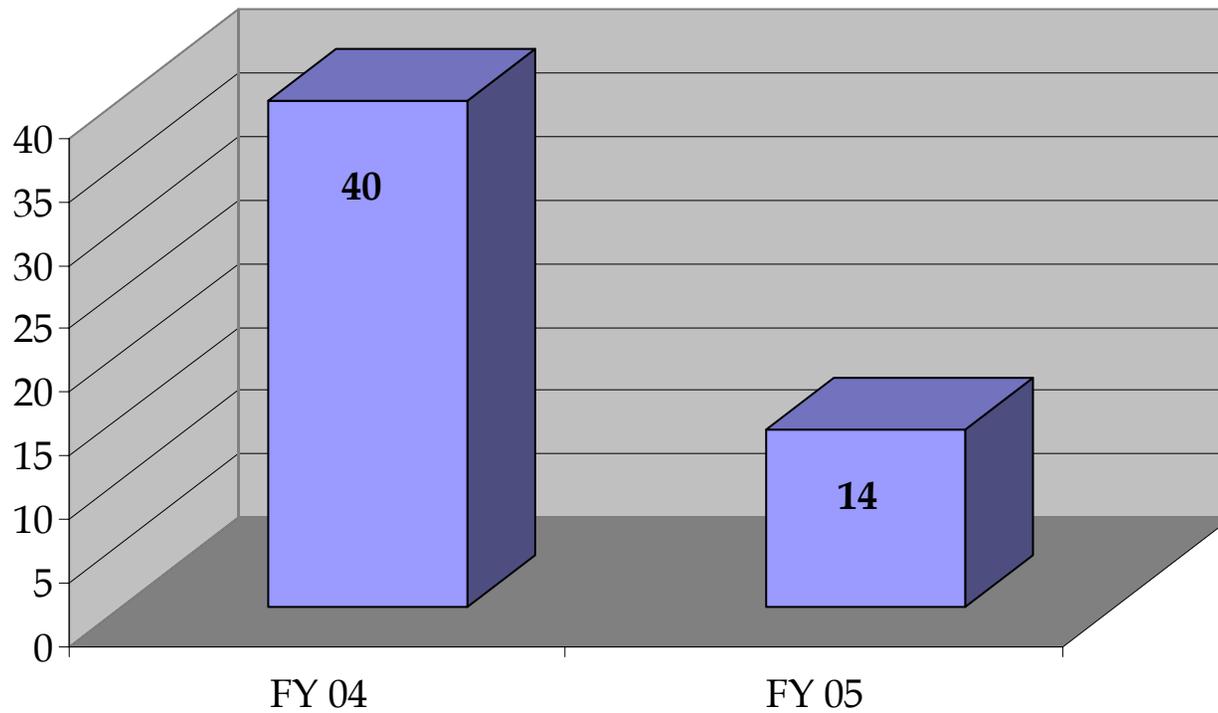
Kent Hospital, Rhode Island



- 359 Beds
- 8 Regular Lift Team Members/5 per Diem
- 5 days/wk: 7:30-11pm
- Weekends: 7:30am-4pm
- One team: 7:30am-4pm/One team:
10-2pm
- One team: 2:30pm-11pm

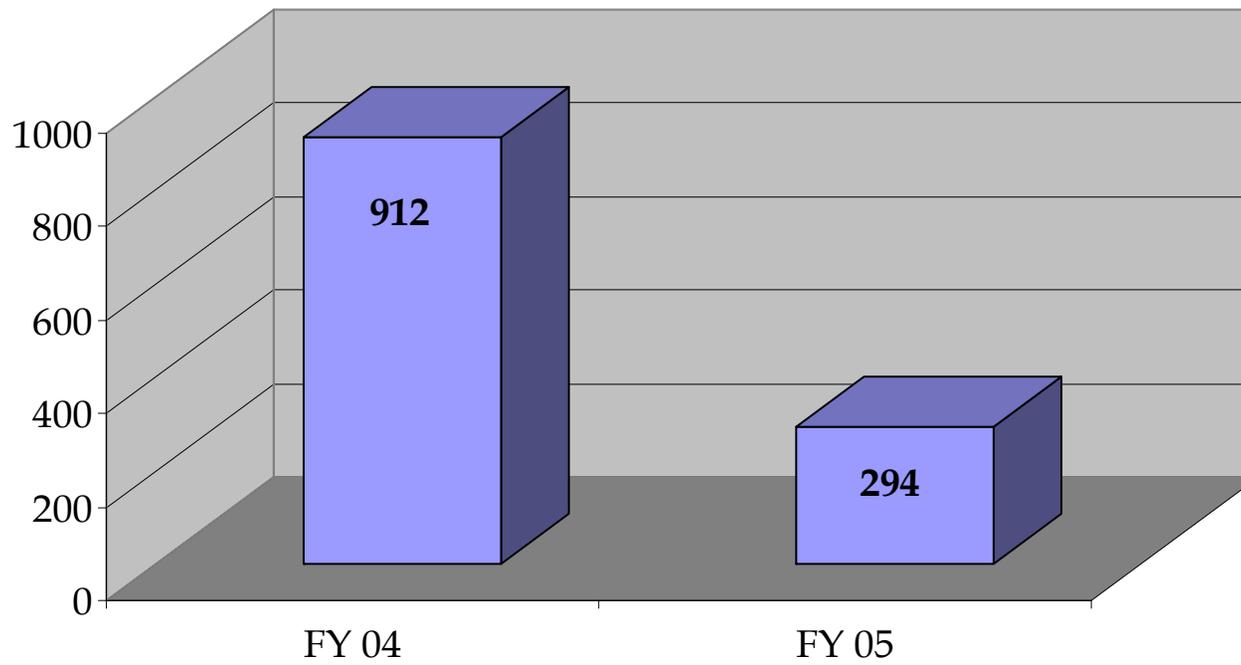
Kent Hospital (continued)

Kent Hospital-Warwick, Rhode Island Pre Lift Team vs. Post Lift Team Injuries



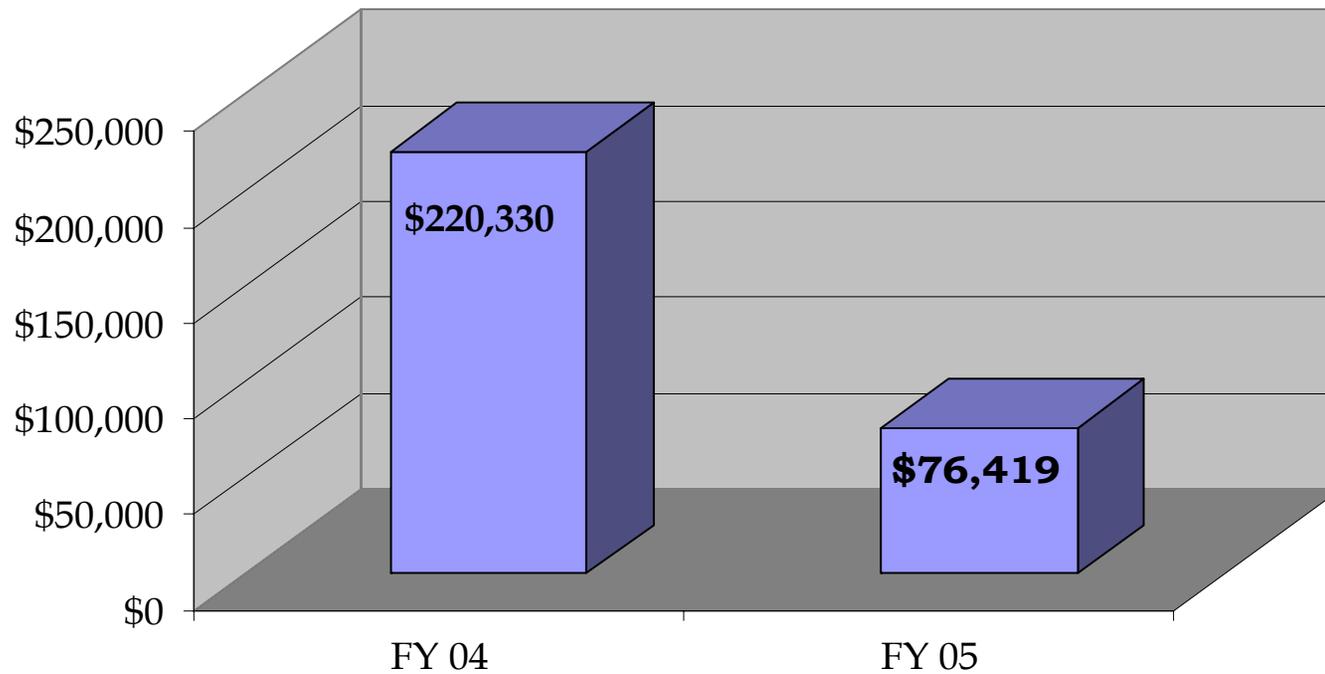
Kent Hospital (continued)

Kent Hospital-Warwick, Rhode Island Lost Work Days Pre Lift Team vs. Post Lift Team



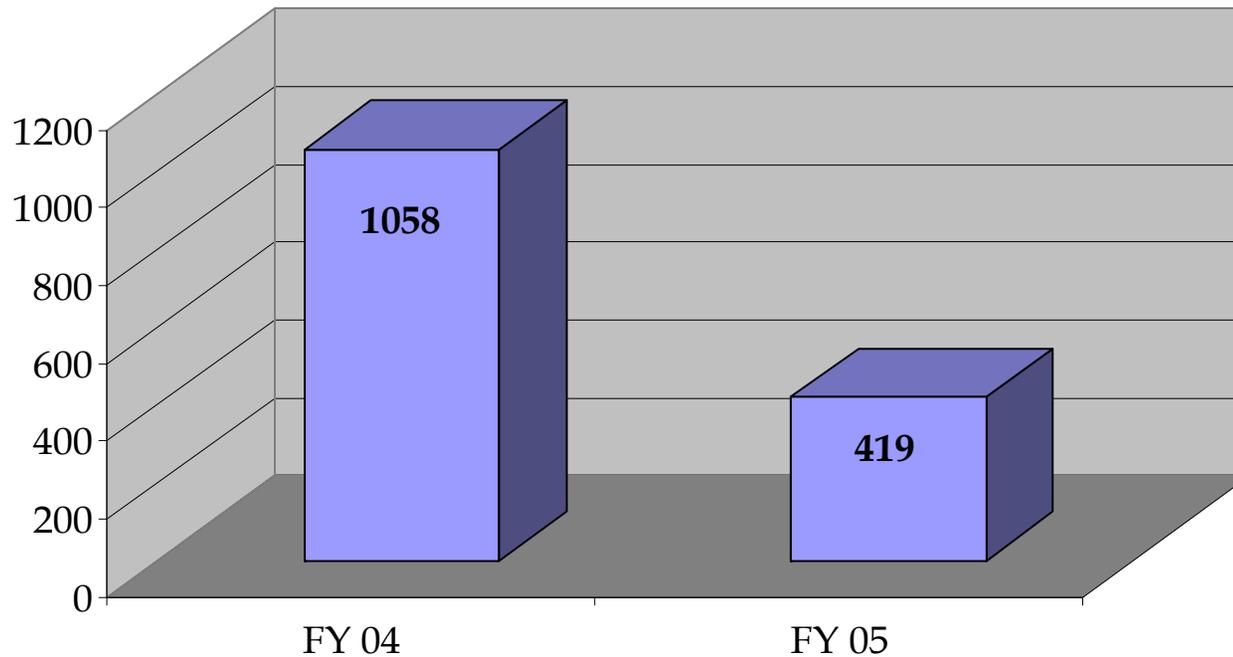
Kent Hospital (continued)

Kent Hospital-Warwick, Rhode Island Medical & Indemnity Costs FY 04 vs. FY 05 Pre Lift Team vs. Post Lift Team



Kent Hospital (continued)

Kent Hospital-Warwick, Rhode Island Modified Work Days-FY 04 vs. FY 05 Pre Lift Team vs. Post Lift Team



Kaiser Lift Team Data, Northern California



- Five Hospitals Reporting a 33% Decrease in Nursing Departments in Workers' Comp Claims.
- Kaiser Now Requires Lift Teams in All California Facilities

Large Metropolitan Hospital, Seattle Region



- Reduced Lost Workdays from 1474 to 470 in the First Year of Implementation

Tri-City Health Systems, San Diego, California

<u>SEVERITY</u>	<u>Lift Team Preventable</u>	<u>No Lift Team</u>	<u>Total</u>
1995		\$4,427,396	\$4,427,396
1996		\$570,868	\$570,868
1997		\$2,019,486	\$2,019,486
1998*		\$167,881	\$167,881
1999	\$205,798	\$593,027	\$798,825
2000	\$381,171	\$551,219	\$932,390
2001	\$600,891	\$685,987	\$1,286,878
2002	\$471,458	\$292,121	\$763,579
2003	\$440,868		\$440,868
2004	\$370,499		\$370,499
2005	\$103,096		\$103,096

TRI-CITY HEALTH SYSTEMS

(continued)

<u>FREQUENCY</u>	<u>Lift Team Preventable</u>	<u>No Lift Team</u>	<u>Total</u>
1995		48	48
1996		28	28
1997		48	48
1998*		22	22
1999	22	30	52
2000	16	31	47
2001	38	25	63
2002	37	10	47
2003	30		30
2004	40		40
2005	20		20

Sutter Health System, California



- Six Year Review of Back Injury Reduction in Nursing
- Frequency Reduction from 12.9 to 1.3
- Indemnity Reduction from 9.7 to 0.8

Woodland Health Care



- Crossed Trained a Transport Team to Lift Team
- Two Year Prior Data Showed 151 and 171 Lost and Restricted Days
- Post Lift Team were Reduced to 2

Mayo Clinic



- Over 60,000 Lifts Performed Without Injury
- To Staff or Lift Team Members on the Shifts Covered
- Restricted Days were Reduced by 361%
- \$310,000 Reduction in Cost of Back Injury for 4 Years

Alaska Native Medical Center



- Five Year Comparable Data showed Lift Teams
- Reduced from 61 Lost Days per 100 FTEs to 20
- Lost Days per 100 FTEs
- Teams Run 7 Days per Week 8am to 6pm
- The Teams Perform 10,000 Patient Contacts Per Year

*University of Washington
Medical Center*



6 Month Data

- 63% Reduction in Injury
- 86% Reduction in Lost Days
- 63% Reduction in Sick Hours Used

Sioux Valley Medical Center



- 500 Bed Hospital 2 Years Data
- Reduced Injury Claims: 69%
- Reduced Lost Days: 95%
- Reduced Restricted Days: 88%
- Reduced Average Cost per Injury Due to Patient Handling from \$9,894 to \$1,099
- Medical Cost Savings Direct and Indirect Cost by \$690,504

University of Chicago Hospital



- 576 Beds
- 30-60 Lifts a day
- Running 2 Teams 7 Days per Week
Covering 8am to 9pm
- Reduced Injuries by 40% the First Year

NURSING HOME DATA



Caska reported on Lift Teams in 3
Nursing Home Units in a Medical Center:

- Results: 0 Injuries on Units or Shifts
that had Access to Lift Teams

Source: AOHP Journal; December 2003

Donaldson Study 296 Bed Facility



- 60% Reduction in Claim Frequency X One Year and 90% Reduction in Claim Frequency X 6 Years
- 98.6% Decrease in Incurred Losses for the 6 Year Period

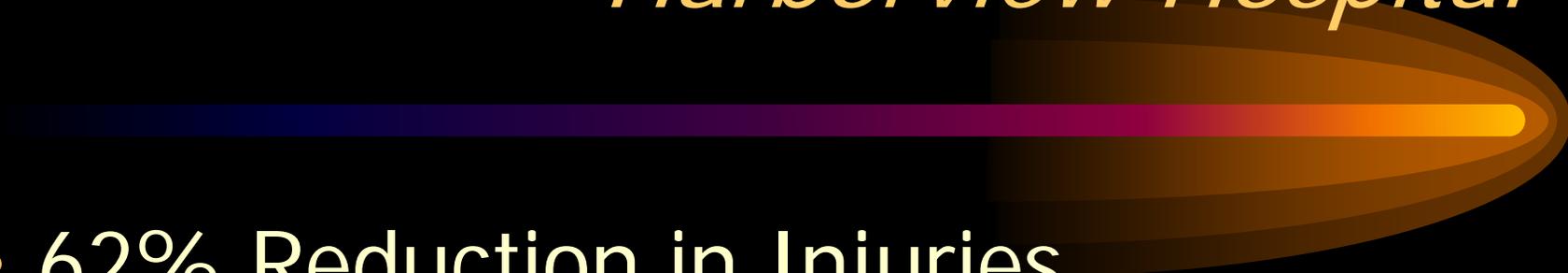
Source: AOHP Journal; December 2003

Davis Study: University of Washington

- 62.7% Reduction in Sick Calls Due to Back Injury on Lift Team Shift
- 85.5% Reduction in Lost Workdays from Patient Related Injuries
- Represents a One Year Intervention Study

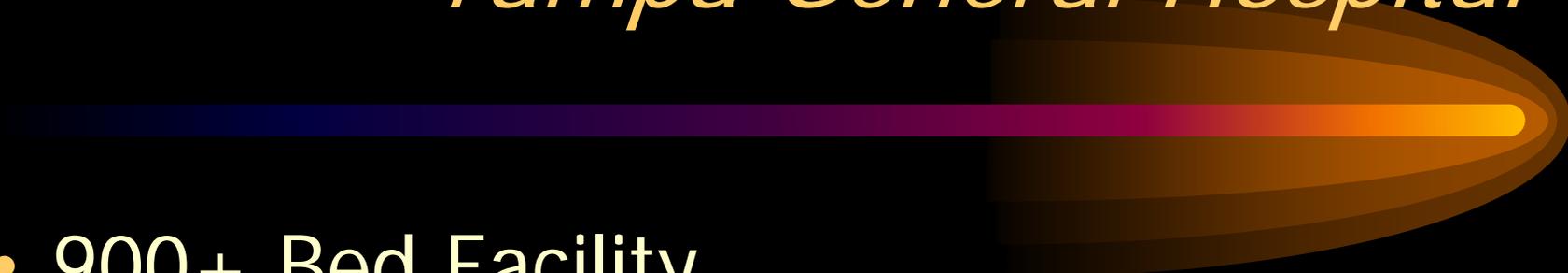
Source: AOHP Journal; December 2003

Harborview Hospital



- 62% Reduction in Injuries
- Hospital Hiring and Maintaining Teams
Despite Global Hospital Budget Deficits

Tampa General Hospital



- 900+ Bed Facility
- Lift Teams 24/7
- Ceiling Lifts Installed in Most Areas
- 2004: 1 Lost Time Injury with a Cost of \$26,000
- Prior Costs approximately \$500,000+/Year
- 12 Member Team

More Kaiser Data



- Overall Data for Facilities with Lift Teams in California Kaiser Systems showed a 7% Decrease in Injuries as Compared to a 17% Increase in Injuries in Facilities Without Lift Teams

Source: Charney, Journal of Healthcare Safety, vol. 1 no. 2 Spring, 2003

Advantages of Lift Teams



- Allows the Return of Injured Workers Back to Bedside Medical Care without Fear of Re-Injury
- Allows Already Injured Workers with Previous Injuries to Continue Working Without Fear of Re-Injury
- Reduces Turnover and Vacancy Rates

Source: Hefti AAOHN vol. 51 no. 6

Advantages



- Can Perform High Risk Lifts Without Injury
- Can Perform Bariatric Lifts Without Injury
- Can Perform Re-Positionings Without Injury
- Can Protect the Patient from Patient Falls
thereby Lowering Indemnity Risk Potential

University Hospital, Portland



- \$100,000 Average Cost per Year for Direct Cost of Injury Over 3 Years Reduced to 58% in First Study Year for a 500 Bed Hospital
- Running Lift Teams 24/7
- Average # of Services per Month = 1674
- Average # of Services per Day = 56
- Average Response Time = 3 Minutes

University Hospital (continued)



- Reduced Workers' Comp Claims from \$100,000 for the Pre Year to \$21,000 to Post Year
- Injuries were Reduced from 51 Recordable to 41 Recordable Claims

University Hospital (continued)



- Average Service Time 10 Minutes
- Re-Positioning and Turning was the Majority of Calls Averaging about 70%
- Nursing Satisfaction Rated at an Extremely High Level

Turnover Rates Computed

- In One Study using Lift Teams, a 500 Bed Hospital Reduced its Turnover Rate to .68% Compared to a National Average of 15.7% and its Vacancy Rate was Reduced to 8.76% Compared to a National average of 11% (*AHA Data*)

Source: Hefti: AAOHN vol. 51 no. 6 2003