

Job Safety Behavioral Observation (JSBO) Team

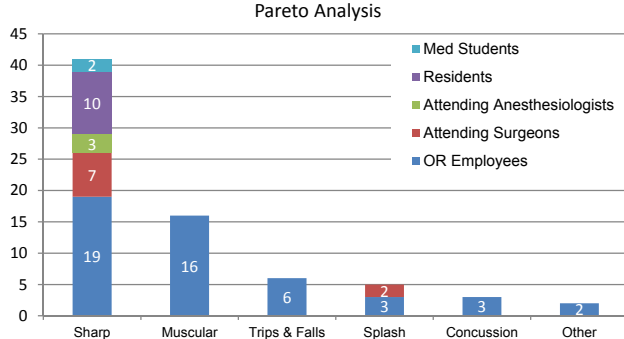
I. Background

A Job Safety Behavioral Observation (JSBO) program can proactively prevent incidents and injuries through the peer-observation/ hazard mitigation follow-up in addition to monitoring, trending, and management of safe vs. unsafe behaviors. This team developed the JSBO process for Beth Israel Deaconess Medical Center and launched it in the East OR where the highest number of injuries occur.

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 Micha Deshaies
 Barbara DiTullio (Co-Leader)

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OR Employee Incidents - Feb 1 2012 Through Feb 1 2013



Project Team

Sponsor - Elena Canacari
 Matthew Rabesa
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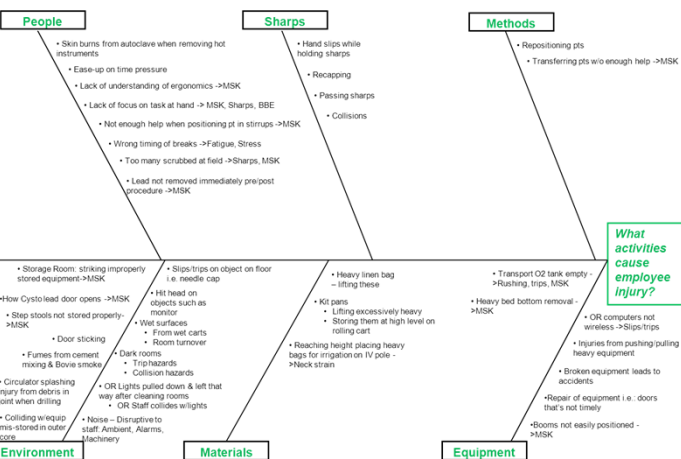
Ross Simon (Facilitator)
 Dr. Chunbai Zhang

II. Goals – All achieved

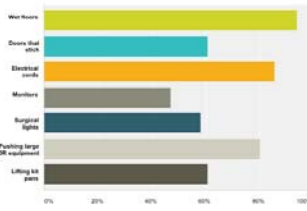
1. Develop a JSBO process for BIDMC and launch it in the East OR
2. Train all JSBO Team members on the observation process to start and then consider others outside of this team including those who work in the OR as well as others who work outside of the OR
3. Achieve a rate of 3-4 observations/week
4. To establish a baseline of employee awareness of safety as a priority (as well as subsequent increased awareness), develop and implement a survey.

III. Analysis

Cause & Effect Diagram



These environmental hazards increase the risk of injury - check all that apply:



Job Safety Analysis Form

Use this form to complete your analysis of each specific task. Ask for task description, Critical Case. Prepared by: Elena Canacari / 4-10-13

Identify the task	Personal Hazards	Recommended Fall Prevention
Identify the task: Strip & laundry	Personnel: Strain: repetitive motion; Heavy lifting heavy linen bags	Personnel: Strain: repetitive motion; Heavy lifting heavy linen bags
Identify the task: yds lead door swings in front of monitor	Slips & falls on wet floor	Personnel: Strain: repetitive motion; Heavy lifting heavy linen bags
Identify the task: Adjusting stretcher through hallway	MSJ straining neck, back & arm	Personnel: Strain: repetitive motion; Heavy lifting heavy linen bags
Identify the task: hanging 1 liter IV bags	MSJ straining neck, back & arm	Personnel: Strain: repetitive motion; Heavy lifting heavy linen bags
Identify the task: heavy linen work for most cases	MSJ strain bending & stretching to lift	Personnel: Strain: repetitive motion; Heavy lifting heavy linen bags
Identify the task: need assistance at workstation	MSJ (I) decreased ability to secure pt on table	Personnel: Strain: repetitive motion; Heavy lifting heavy linen bags
Identify the task: moving pt to stretcher part	MSJ (I) pushing, stretching on table table	Personnel: Strain: repetitive motion; Heavy lifting heavy linen bags
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IV. Solutions

Customized observation form used in manufacturing to meet our needs in the hospital (i.e. added a sharps section):

Site: BIDMC, Boston	
Date:	
Department:	
Observers:	
# Of People Observed:	
General Location:	
Specific Location (Room/Floor):	
Task:	

S = Safe Behavior, AR = At Risk Behavior

1.0 PPE	Emp 1	Emp 2	2.0 People	Emp 1	Emp 2
1.1 Arm	S / AR	S / AR	2.1 Caught in/on/between	S / AR	S / AR
1.2 Body	S / AR	S / AR	2.2 Chemical exposure	S / AR	S / AR
1.3 Eye/Face	S / AR	S / AR	2.3 Contacting hot surfaces	S / AR	S / AR
1.4 Foot	S / AR	S / AR	2.4 Eyes on path / hands	S / AR	S / AR
1.5 Hand/Arm	S / AR	S / AR	2.5 Fall exposure	S / AR	S / AR
1.6 Head	S / AR	S / AR	2.6 Rushing	S / AR	S / AR
1.7 Hearing	S / AR	S / AR	2.8 Struck Against, by	S / AR	S / AR
1.8 Respiratory	S / AR	S / AR			
1.9 Availability of PPE					

3.0 Ergonomics	Emp 1	Emp 2	4.0 Sharps	Emp 1	Emp 2
3.1 Awkward Postures	S / AR	S / AR	4.1 Needle box	S / AR	S / AR
3.2 Forceful Exertions	S / AR	S / AR	4.2 Recapping	S / AR	S / AR
3.3 Lift/Bend/Twist	S / AR	S / AR	4.3 Safe sharps handling	S / AR	S / AR
3.4 Over reaching	S / AR	S / AR	4.4 Safety device in use	S / AR	S / AR
3.5 Rep. Motions	S / AR	S / AR	4.5 Use of Safe Zone	S / AR	S / AR
3.6 Static Postures	S / AR	S / AR	4.6	S / AR	S / AR
3.7 Wrist deviation	S / AR	S / AR	4.6	S / AR	S / AR

5.0 Environment	Emp 1	Emp 2	6.0 Job Planning/Procedures	Emp 1	Emp 2
5.1 Housekeeping	S / AR	S / AR	6.1 JSA Adequate	S / AR	S / AR
5.2 Chemical Use/Storage	S / AR	S / AR	6.2 JSA Established	S / AR	S / AR
5.3 Flammable Storage	S / AR	S / AR	6.3 JSA Followed	S / AR	S / AR
5.4 Slip/Trip Potential	S / AR	S / AR	6.4 JSA Known	S / AR	S / AR
5.5 Barrier/barricades	S / AR	S / AR	6.5 JSA Usage	S / AR	S / AR
5.6 Stored Energy	S / AR	S / AR	6.6 Non-routine Pre-Job Plan	S / AR	S / AR
5.7 Temperature Extreme	S / AR	S / AR	6.7 Access to equipment	S / AR	S / AR
5.8 Noise Extreme	S / AR	S / AR	6.8 Permits in Place	S / AR	S / AR
5.9 Biological	S / AR	S / AR	6.9 S&H Procedure Usage	S / AR	S / AR
5.10 Electrical	S / AR	S / AR	6.9 Safety of others	S / AR	S / AR
5.11 Radiation	S / AR	S / AR			

7.0 Plant Vehicle Use	Emp 1	Emp 2
7.1 Daily Inspection	S / AR	S / AR
7.2 Horn Used	S / AR	S / AR
7.3 Looking Indirection of travel	S / AR	S / AR
7.4 Safe Driving Speed	S / AR	S / AR
7.5 Seat Belt Use	S / AR	S / AR
7.6 Unobstructed Driving View	S / AR	S / AR

V. Hazards Mitigated

Muscular-Skeletal

- > 75-pounds less lifting in CPD & OR per total joint procedure
- > Light-weight leg extension
- > Trash can lid hand injuries
- > Carpel tunnel injury – COW keyboard wrist rests



Trip & Falls

- > Cord covers
- > Room set-up standards to prevent trips, falls and concussions
- > Slippery floors from wet back tables

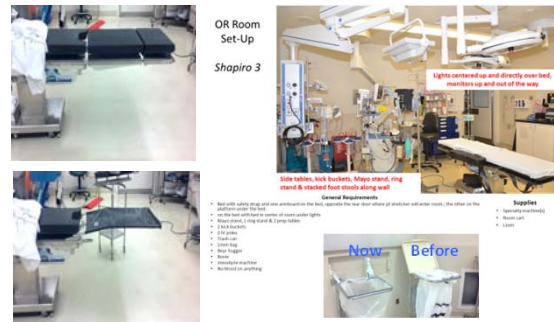
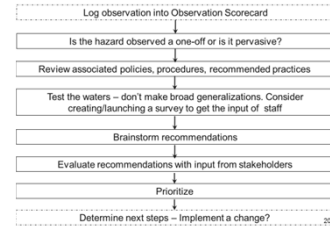
Repetitive Motion, Other

- > Drifting MIS lights
- > Aerosolized enzymatic solution

Identified OR-specific hazards to consider when performing an observation:

Hazard	Potential Injury
Lifting heavy items (kits, equipment, bed)	Muscular-skeletal
Wet floors	Slips & Falls
Heavy doors - Cysto	Muscular-skeletal
Debris from saw/drill	Respiratory, blood & body fluids
Sharps	BBF
Moving pt	Muscular-skeletal
O2 Tank	Muscular-skeletal
Monitors above head	Concussion
Trash/linen bags	Muscular-skeletal
Wearing/carrying lead gowns	Muscular-skeletal
Fumes/cement - Ortho	Respiratory

Post-Observation



VI. Next Steps

Spread use of JSBO to other parts of the medical center, where appropriate, and the understanding that all injuries are preventable. Employee safety is as important as patient safety.

For More Information Contact
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