



Safety Meeting Outline



SMO 08-0102

WHAT IS YOUR BACK IQ?

By SeaBright Insurance Loss Control

Back injuries are a painful, sometimes debilitating, problem in many industries. Back strains can often be avoided by reducing the size or weight of materials handled by employees, by using mechanical aids such as hoists, conveyers or hydraulic lifts, and by making certain that employees are well trained in lifting techniques. But the key to back care lies within the individual worker. Everyone should be a back care “expert” and be able to answer the following questions:

Q: What’s the most important lifting rule to remember?

A: Keep The Load Close! There are many other lifting rules, like “bend your knees and lift with your legs,” but you can’t do this in every situation. Research has also shown that leg muscles become fatigued when *frequent* lifts are required, so other techniques must be used as well.

Q: If you don’t hold a load close to your body, how much heavier is the “experienced” weight than the actual weight?

A: Ten times as heavy! The back operates as a simple lever, with the fulcrum in the lower back. Back muscles serve as the *power arm*; the load being lifted is the *weight arm*, and a 10-1 lever ratio exists in the lower back. The further away you hold the load, the “heavier” it becomes.

Q: Why never twist with a load?

A: Lumbar (lower back) vertebrae, disks and joints are under the most vertical *pressure* when lifting a load. Twisting with a load creates a “shearing” effect on these tissues. The more “mileage” you have on your back, the less forgiving it will be under this pressure.

Q: Which muscles are most important for keeping the spine in its strong S-shaped curve?

A: Abdominal muscles, which work in cooperation with back muscles to support your spine. The trouble is, abdominals tend to weaken over time. It helps to tighten them during a heavy lift, but more importantly, keep them in good shape.

Q: How can stress in your life effect back pain?

A: Whether you’re aware of it or not, emotional stress can tighten muscles. Often, fatigued back muscles are the most effected and the first to feel it. It’s been said that back ache is just a tension headache that “slipped.”

Q: What time of the day are back strains most likely to happen?

A: In the morning, or at the beginning of a work shift, when muscles aren’t “warmed up.” Trends also show an increase following the lunch hour, perhaps because blood circulation is in the stomach, instead of the large muscles, and because people may be sleepy and inattentive after a meal.

Q: How does keeping flexible help prevent back and muscle strains?

A: Muscles tend to *shorten* when not used to their full capacity. Flexible muscles are less likely to be strained and injured than “tight” muscles when sudden or heavy power is required. Pre-work stretching programs have been very successful in preventing back and muscle strains. Take a tip from professional athletes--they warm up before a game! Even five minutes helps!



SAFETY MEETING AGENDA

DEPARTMENT/JOB SITE: _____ MEETING DATE: _____

1. **Open Meeting & Present safety topic:** _____
2. Read minutes from previous meeting.
3. **Persons present:**

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

4. **Old Business** – Status of previous recommendations. Discuss pending old business if any.
5. **Accidents** – Discuss accidents and near misses that have occurred since the last meeting. Brief summary of accidents to date by number and type. Note any trends. Discuss corrective action taken, or needed. Concentrate on accident causes to make everyone more aware.
6. **Inspection Reports** – Report on findings and recommendations of any inspection reports made since last meeting.
7. **New Business** – Solicit employee suggestions. Discuss new procedures, changes to company safety policy, etc.

TIME MEETING STARTED: _____ TIME FINISHED: _____

MEETING CHAIRED BY: _____ TITLE: _____