



Ergonomics

For use in conjunction with 5-Minute Safety Talk



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COUNCIL

Ergonomics

Ergonomics involves designing and arranging workspaces so people work efficiently and safely. Ergonomics is used to evaluate how you do your work to identify any risk factors that might lead to injury, and then find the best solution to eliminate or manage the hazard. 1/1/11/1/11/11/11 Capabilities and limitations are taken into account to ensure tasks, equipment, information and environment suit you.

What are Ergonomic Conditions?

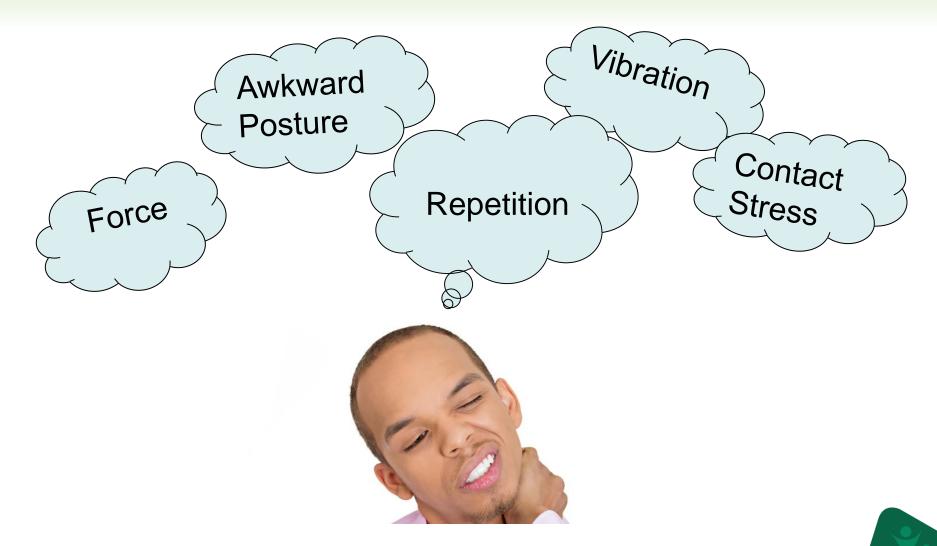
Disorders of the soft tissue – specifically:

- Muscles
- Nerves
- Tendons
- Ligaments
- Joints
- Cartilage
- Blood vessels
- Spinal discs





Possible Causes





Recognizing Ergonomic Symptoms

Common ergonomic symptoms include:

- Pain
- Swelling
- Tingling
- Tenderness or numbness
- Sometimes difficulty moving or using the extremity

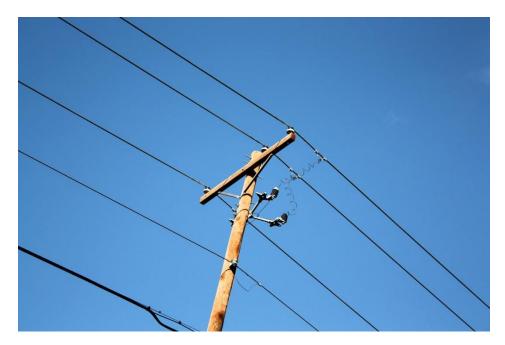


If you are experiencing any of these symptoms, make sure to see your physician or an occupational physician as soon as possible to determine the cause of your pain.

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The main categories of ergonomic risk factors are:



Environment -

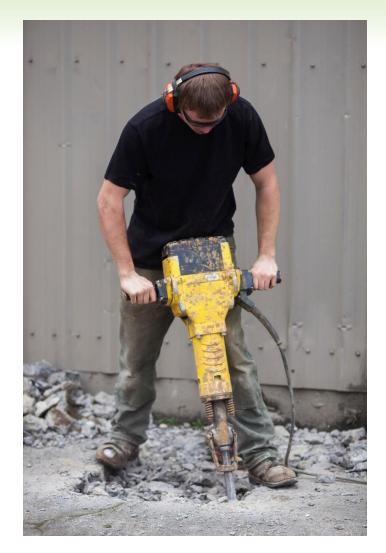
Risks found in your work environment





Equipment -

Risks associated with the equipment you use







Risks caused by work requirements, processes or procedures







Individual –

Risks that are unique to you as an individual, such as physical characteristics, habits and behavior





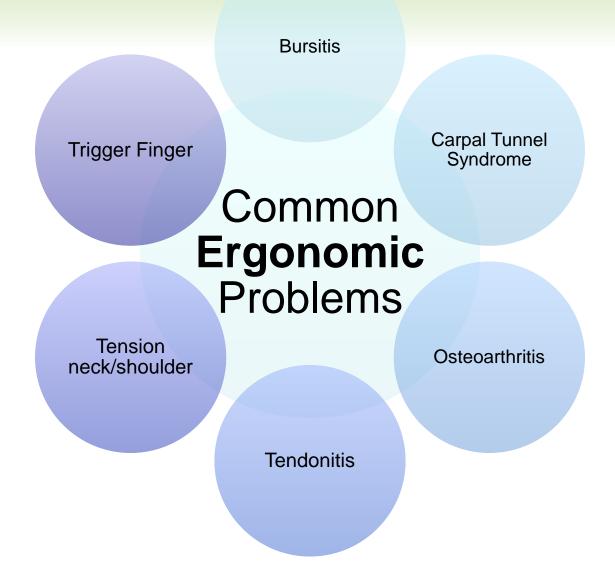
Repetitive Movement

Non-strenuous or strenuous repetitive movement can cause ergonomic conditions.

Some conditions can be brought on by:

- Sudden increases in your workload
- Introduction of a new process to your work routine
- Use of vibrating tools
- Maintaining a rigid posture







Ergonomic Solutions

Help minimize & possibly eliminate ergonomic risk factors:

- Talk with your supervisor about what to do if you are experiencing pain in the soft tissues
- Talk with ergonomic experts to identify what is causing your pain and to find a solution
- Reduce the pace of work, alternating repetitive tasks with non-repetitive tasks at regular intervals
- Increase the number of breaks from repetitive work

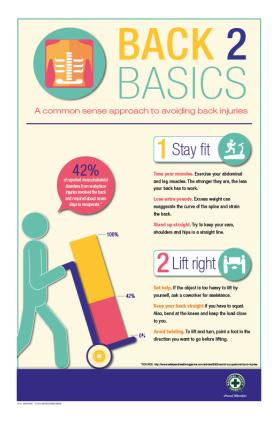
Taking appropriate steps means you will experience fewer injuries and fewer lost work days.



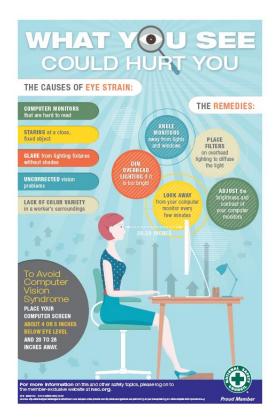


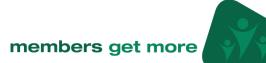
Posters

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Checklist



Lift safely

Improper lifting technique can lead to strains, dislocations and even muscle tears, with most injuries occurring in the back. Whether you're organizing your inventory or decorating your home, make sure you're practicing these safe-lifting guidelines.

- Stretch beforehand so your body gets warmed up
- Keep your back straight and bend your knees remember to never twist or bend your back
- Make sure you're on solid ground with your feet shoulder-width apart
- Keep the box or object close to your body
- Lift with your legs, not your back
- Limit the amount of weight you carry it's better to separate boxes or make two trips than to carry too much at once
- Ask for help to carry heavy, bulky or large loads
- Keep pathways clear of tripping hazards

Setting up a home office

More and more workplaces are providing telecommuting and working from home options to help maintain a better work-life balance for employees. While these options may be convertient, don't target to make sure home offices are set up ergonomically correct. Here are some basic things to check off your list:

- Chairs have proper lumbar and arm support, and can be adjusted for height
- Feet are flat on the ground or footrest
- Vewing distance from your eyes to the monitor is at least 18 inches
- Keyboard and mouse are at approximately elbow height
- Lighting is sufficient enough that you don't have to strain, but not too bright where glare is an issue
- Proper accessories, such as a document holder or phone headset, may be necessary depending on the work.



Fast Stat: About 80% of the American population will experience a back problem at some point. These hjurks are not mly preventable, they're also costly – Americans spend at least \$50 billion each year on task cosh. American (Ancenzic Association)



Slaying healthy and active are two big ways you can prevent low back pain. Those who carry around extra weight or smoke regularly are more susceptible to beck injuries.

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Use this checklist to perform a quick ergonomic safety check. Find the checklist under

Practical Solutions at

nsc.org/members





Ergonomic Tips Sheet



Use these smart tips to improve ergonomic issues with early intervention and don't forget to bring your knowledge home too!

Ergonomics: Combining comfort and safety

Fitting the job environment to you

You should never have to beal like you need to work through pain to get your job done. Following the phrobiples of regronances - the science of designing a sate and efficient job winforment to work in - you can reduce sites and elimitate hjurite sascelated with poor pooture, overwarkins and repeated tasks, whether you're tifting boxes in a warehouse, placing items in an assembly line or typing on a compute, egonomic sately is important to awayne.

If gone undetected, ergonomics issues can lead to serious muscle and joint concerns. If you are experiencing pain, swelling or numbress, be sure to pay attantion to the following risk factors on the job:

Improper workstation setup
Overexection while lifting, lowering, pushing, pulling, reaching or stretching

Repetitive motions

· Working in awkward positions

· Sitting or standing too long in one position

· Using excessive force

Fortunately, ergonomic issues can be prevented and improved with early intervention. Here are some simple tips you can follow to avoid discomfort:

 Take frequent breaks – get up and stretch, walk around or change your scenery

Vary the workday – If possible, try to space out different types of tasks
Report pain or discomfort immediately – don't wait until it becomes serious,

atways inform your supervisor • If you are a supervisor, be sure to monitor your employees and make sure

 If you are a supervisor, be sure to monitor your employees and make sun they are taking necessary breaks.



Bring it home

While ergonantics is most commonly thought of as a workplace safety concern, ergonantic hip/rise can also result from activities at home and in communities like /psiryhy twice grames, cooking, sewing on home repair. They can also impact your ability to engage in hobbies you enjoy off the job with your family and thinds.

Bring your ergonomic safety knowledge home with you:

 Carry a backpack, purse or laptop case that distributes weight evenly with multiple compartments; if your bag has only one strap, rotate which shoulder you carry it on

 Watch your posture at night – one-third of the day is spent in bed; make sure your mattress and pillows support good sleeping postures

 Look for ergonomically designed tools — kitchen knives, gardening shovels, rakes – that have grooved handles for your hands

Don't let an ergonomic injury prevent you from doing what you love. Keep these tips in mind for safe work and play.

Fast Stat:

Overexertion is the third leading cause of unintentional injuries In the United States, accounting for about 3.2 million emergency department visits. (*hjury Facts* *)

Green Cross Tip 👔

Your eyes need a break, too. Every 20 minutes, look 20 feet away for 20 seconds.

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