

# Acknowledgements Actsafe would like to thank Dan Robinson, PhD. CCPE RK of Robinson Ergonomics Inc., who provided the information on which this publication is based. For further information: Dan Robinson. Illustrated by Patrick Henaff with colours by Justin Zanelli & Patrick Henaff. Produced by Ed Brisson.

Please Note: The material in this publication is intended only as educational information and is not meant to replace the knowledge and services of qualified medical professionals. Furthermore, this publication does not replace the Occupational Health & Safety Regulations administered by Work-SafeBC. Employers and workers should always refer to the regulation for specific requirements that

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apply to their activities.





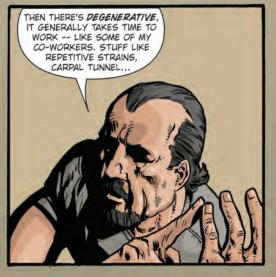
# Musculoskeletal Injury (MSD:

"An injury or disorder of the muscles, tendons, ligaments, joints, nerves, blood vessels or related soft tissues – including a sprain, strain and inflammation – that may be caused or aggravated by work."

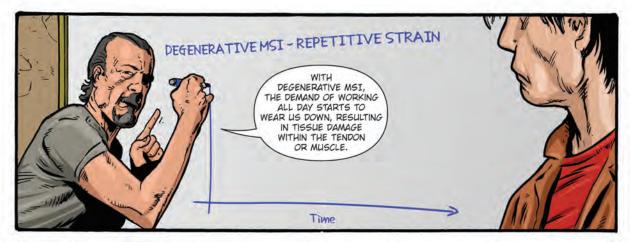
(WorkSafeBC OHS Regulations, Section 4.46)

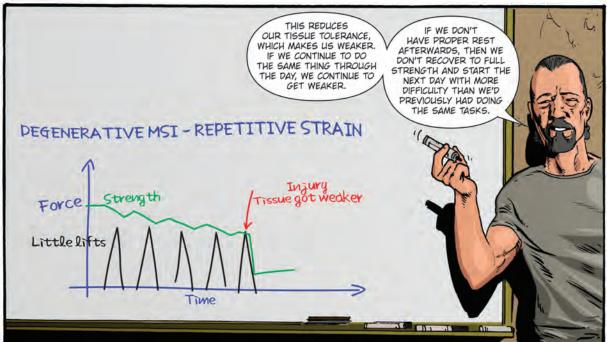


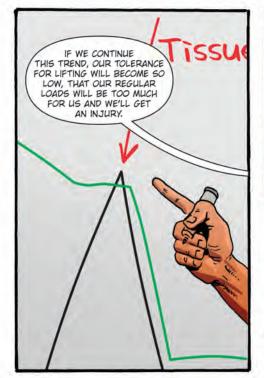
















THIS IS THE
TYPE OF INJURY THAT
MOST OF US ARE GOING
TO SUFFER IF WE'RE NOT
CAREFUL AND DON'T PAY
ATTENTION TO THE
WARNING SIGNS.



THERE ARE SEVERAL FACTORS THAT CAN MAKE YOU MORE SUSCEPTIBLE TO RECEIVING AN INJURY.

MORE THAN
ONE OF THESE
FACTORS AT ONCE
DRAMATICALLY
INCREASES YOUR
RISK OF INJURY.

SOME OF THESE FACTORS INCLUDE...







REPETITION: DOING THE SAME THING REPEATEDLY, WITH LITTLE TO NO REST.



COLD TENDS TO MAKE OTHER FACTORS WORSE.

REDUCED BLOOD FLOW AND STRENGTH IN THE COLD INCREASES EFFORT NEEDED AND MAKES US TIRE PASTER.



THE WORST TWO FACTORS, THOUGH, ARE FORCE AND BAD POSTURE.







WORKING IN AWKWARD POSTURES INCREASES THE AMOUNT OF FORCE THAT YOU NEED TO CARRY OUT THE WORK AND INCREASES THE AMOUNT OF STRESS ON TISSUES.

THE LOSS OF POWER AND DEXTERITY IN AN AWKWARD POSTURE AND THE INCREASED STRESS ON TISSUE PUTS US AT A GREATER RISK FOR INJURY.



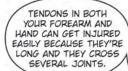












MOST FINGER
AND HAND MOVEMENTS
ARE CONTROLLED BY
MUSCLES CLOSE TO YOUR
ELBOW AND WITH EACH
MOVEMENT, THE TENDON
SLIDES BACK AND FORTH
ACROSS THE WRIST
JOINT.









THE ROPE STARTS TO FRAY WHERE THERE IS PRESSURE.

















































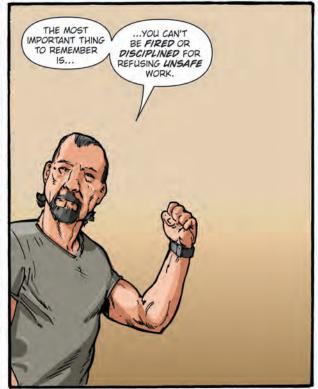


















# Want more information?

For further information on MSI, please refer to the below documents, all available, free of charge, from the Actsafe online library located at <a href="https://www.actsafe.ca">www.actsafe.ca</a>.

Understanding the Risks of Musculoskeletal Injury (MSI): An Educational Guide for Workers on Sprains, Strains, and other MSIs

This guide is an educational booklet arising from the WorkSafeBC regulation on prevention of MSI. It provides information to help workers, employers, and joint health and safety committees to recognize the signs and symptoms of MSI; understand the potential health effects of MSI; and identify the factors that place workers at risk for MSI.

Preventing Musculoskeletal Injury (MSI) For Musicians And Dancers: A Resource Guide

Performers such as musicians and dancers are at risk of occupational health problems that can significantly interfere with their ability to perform. If not recognized and properly treated, many of these health problems can limit, interrupt, or even end an individual's performing career.

This resource guide provides information and resources for the prevention of musculoskeletal injury (MSI) in performers. Other terms used to describe MSI include: overuse problems; repetitive strain injury; cumulative trauma disorder; work-related musculoskeletal disorder and activity-related soft tissue disorder.

Actsafe has also developed a series of four infosheets, based upon Preventing Musculoskeletal Injury (MSI) For Musicians And Dancers: A Resource Guide:

- •Dancers and MSI: Symptoms, Contributing Factors, and Types of Injuries
- •Dancers and MSI: Prevention and Treatment
- •Musicians and MSI: Symptoms and Types of Injuries
- •Musicians and MSI: Prevention and Treatment

Other Web Resources

WorkSafeBC Ergonomics Information

Canadian Centre for Occupational Health & Safety (CCOHS) Ergonomics

### Consultation

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### Feedback Request

We're always looking to improve the quality of our outreach and publications. Feel free to contact us at 604.733.4682 or info@actsafe.ca with any feedback on this publication.

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## What is Actsafe?

Our mission is to serve British Columbia's motion picture and performing arts sectors by providing health and safety training, education and resources for employers and workers.

Actsafe is governed by the industries it represents. We operate through two standing committees that represent the motion picture and performing arts communities respectively. Membership in these committees includes both employer and worker representatives.

Contact Actsafe for free copies of this publication.

