INTERCEPTING PSYCHOSOCIAL PATHWAYS TO MSDs

A CASE STUDY

Presenter: Madi Stratis, R.Kin OHCOW's Mayday Mayday Series May 1, 2025





PSHSA Your health and safety partner



Funding partner of the MLITSD



1.6M+ workers



10,000+ organizations

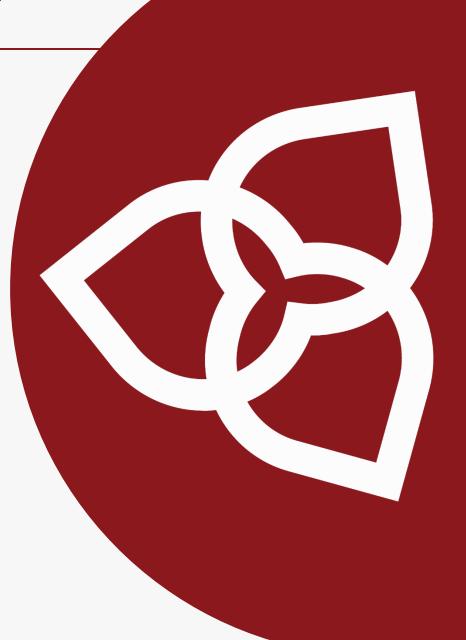


Services offered:

- Training
- Advisory & Applied
- Product as a Service



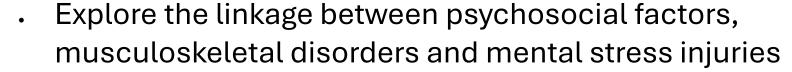
- Education
- Healthcare
- Public Safety
- Government
- Indigenous Communities





Session Objectives







Review existing MSD physical and psychosocial assessment tools



Explore research case study findings on intercepting psychosocial pathways to MSDs





Workplace Musculoskeletal Risk Factors

Biomechanical Psychosocial Environmental Individual







Workplace Psychosocial Factors

Workplace psychosocial factors are elements that impact employees' psychological response to work and work conditions.







Psychosocial factors on the job

Job Demands	Job Control	Job Support	
Cognitive Physical Environmental Psychological Emotional	Worker's ability to influence their work environment: Autonomy Scope of work Morals, Ethics and Values	Practical tools Materials Equipment Emotional support Knowledge, skills, training and ability	





Sprains, Strains and Mental Stress Claims

Nature of Injury	2020	2021	2022	2023	2024
Sprains and strains	20,108	24,524	26,663	27,741	13,236
Mental disorders or syndromes	2,012	2,488	2,489	2,707	1,447

WSIB Allowed Claims – Schedule 1 and Schedule 2

Nature of Injury	Total Cost	%	Average cost/claim	Leading age group
Sprains and strains	\$319,146,428	26	\$5,866.23	55-59
Mental disorders or syndromes	\$204,583,758	17	\$39,373.32	40-44

LOST DAYS 2020-2024

Sprains and Strains

3,031,344

Mental Disorders and Syndromes

2,930,609





WHATIF





MSD PSYCHOSOCIAL Assessment Tools

Psychosocial

Psychosocial + Physical Assessment

Psychosocial + Physical Management

- COPSOQ | Stress Assess
- ERI Model
- People at Work Survey
- Dutch Musculoskeletal Questionnaire
- Key indicator models
- NASATLX
- A participative hazard identification risk management tool
- RAMP (risk assessment and management tool)
- Quick Exposure checklist (QEC)



AT WORK ON THE JOB





Psychosocial Determinants of MSDs

radius PSHSA.ca

Case Study of Two Jobs

- 1. Non-Clinical
- 2. Clinical





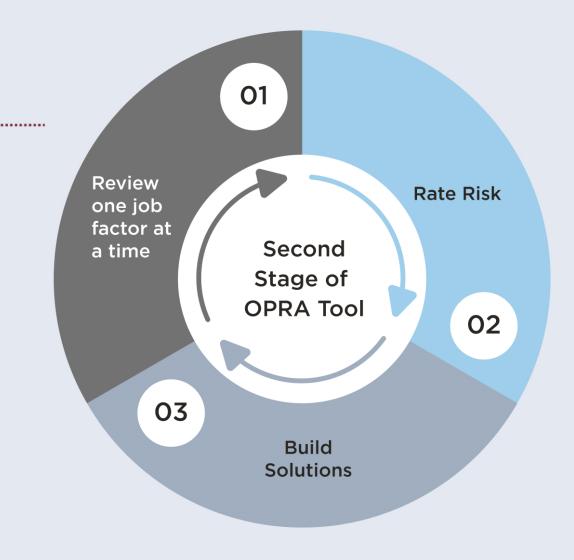




SECOND STAGE

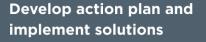
Reviewing Factors and Building Solutions

For this tool, you will have to review one job factor at a time, rate risk and build solutions. Repeat the same process until all 18 factors are done.









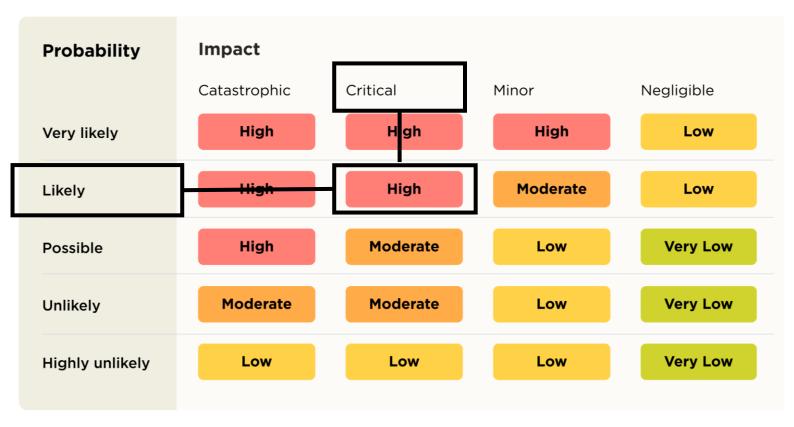






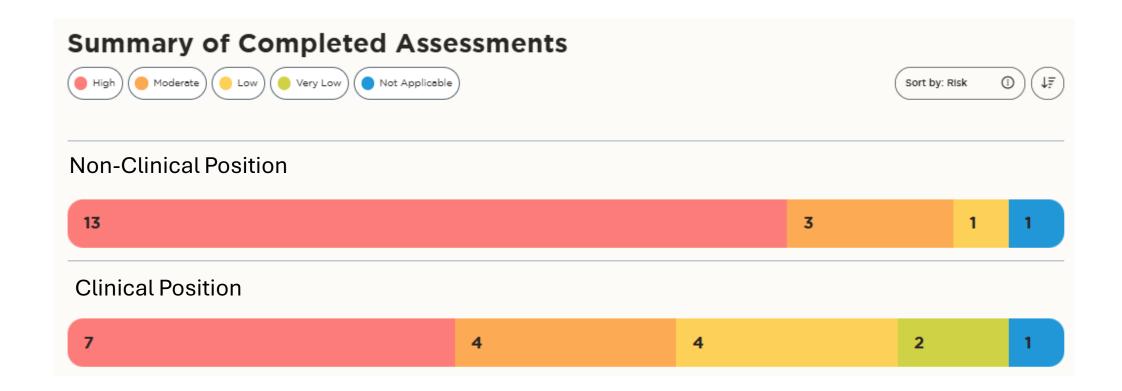
Rating Risk of Harm: Physical Demands















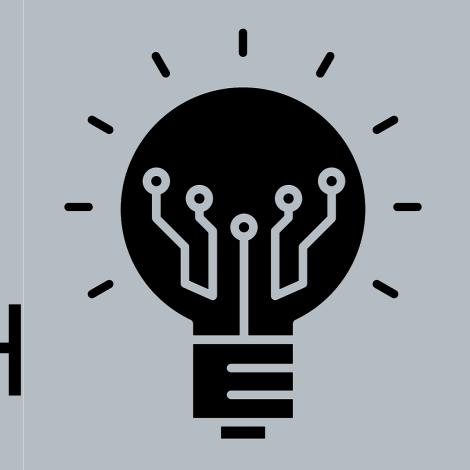
Psychosocial exposures | MSD outcomes by Sector



Neck & Back Pain

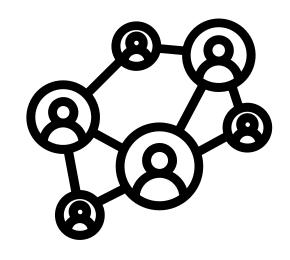


THE BEST APPROACH

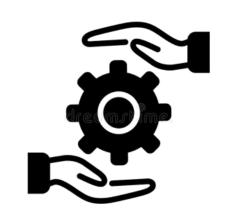




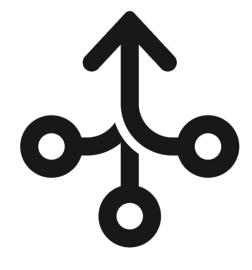
Intercepting Psychosocial Pathways to MSDs



MSD AND
PSYCHOSOCIAL
FACTORS ARE
INTERCONNECTED



ASSESSMENT TOOLS
SHOULD BE RELIABLE
AND PRACTICAL



INTEGRATE ASSESSMENT APPROACHES



Access Radius

pshsa.ca/radius



Ready to prevent psychological harm on the job?

You can interact with Radius in a variety of ways - by completing an assessment on your own, by accessing support from a PSHSA consultant, or by licensing the tool.

Complete a Radius assessment

Access Radius to create a workplace account and assess job-based risk of psychological harm. This option is ideal for workplaces with access to facilitators that are knowledgeable in the following key areas:

- · Health and safety, including psychological health and safety
- Facilitated risk assessment and evaluation
- · Health and safety action planning
- Occupational stress/strain including traumatic mental stress, chronic mental stress, etc.
- Self-awareness and resiliency
- Impartiality and awareness of diversity, equity and inclusion principles and best practices.

Access Radius

Leverage our expertise

Our skilled and knowledgeable consultants can help you make the most of Radius at affordable rates. Connect with our team to get started and we'll work together to prevent psychological harm.

Connect with our team

License Radius

Looking to take psychological health and safety to the next level at your workplace or for your clients? Connect with a PSHSA consultant to learn more about how you can license Radius for use to meet your unique needs.

License Radius for you



Using an integrated approach to assessment & prevention

WHAT'S MISSING





Upcoming events:

- June 10 at the TMU Student Centre in Toronto
- June 17 at the Ramada Inn in London
- June 24 at the Algonquin College in Ottawa

Tickets are \$75 – lunch and good company included!

Sign-up Here



Thank you

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