Addressing Non-Physical Risk Factors to Improve RTW Outcomes

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This morning....

- What factors are most important for outcomes in WC
- How we can identify them early on
- Early intervention for better outcomes in WC
 - Early positive interaction, identify risks
 - Evidence-based care, RTW focus
 - Treat WD promptly
 - Address psychosocial factors
- Innovative ideas in work disability prevention

Clinical severity is **not** strongly related to work disability

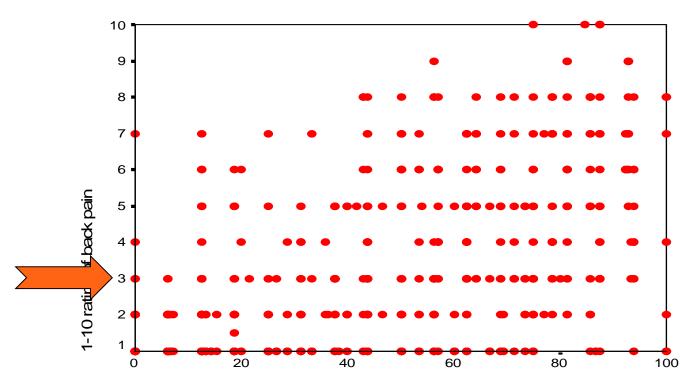
- Spinal cord injury: 45% RTW regardless of severity (Young and Murphy, 2009)
- Low back pain: 3-fold international variation in disability due to policy, not severity (Anema et al, 2009)
- Cardiac bypass surgery: Cardiac function unrelated to employment (Fitzgerald, Pransky, 1989)





Pain vs. functional limitation – 1 month duration LBP

(Shaw et al. Spine 2005)



Functional limitation (RMDQ)

latrogenic disability

Injured wkrs often believe that 'more is better', yet more Rx often **worse** (or no impact) for disability

- Extended PT, 'preventive' chiro for low back pain =
 WORSE disability outcome (delay RTW, MORE recurrence)
- Back surgery much less helpful in WC (NSN SPORT)
- Some care only paid for in WC (compounding, nutraceuticals IDET, med marijuana,...) – econ model

Common theme (worldwide):
NO scientific evidence =
MORE work disability

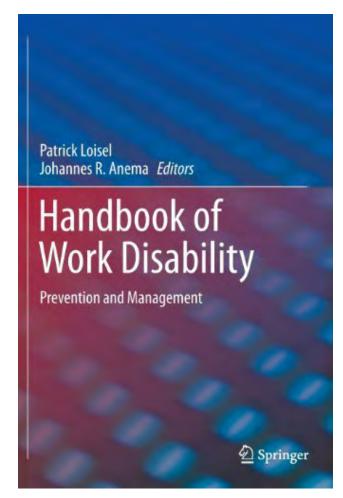


(Campbell, Wright et al., Avoiding long-term incapacity for work, 2007)

Work disability is a separate condition

- Linked to an underlying health problem
- Extent of work disability varies
- A psychosocial condition
- Unique causes, risk factors, and effective treatments





Overall Societal Context

Culture and politics

Workplace System

Work relatedness, employees assistance plans, workplace accommodation

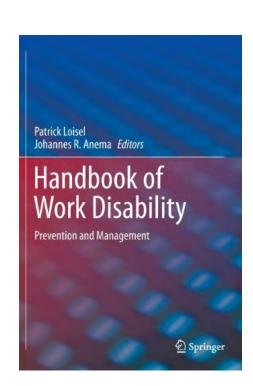


(Loisel et al, J Occup Rehabil, 2005)

Healthcare System

- think of work disability as a separate condition

- Causes (not just a medical diagnosis)
- Risk factors (different from clinical predictors)
- Consequences of WD leads to morbidity and mortality (Waddell, Burton)
- **Treatments** (not just health care)
- Successful practitioners different skills
- Timecourse (acute / reversible vs chronic / permanent - a few weeks??) (Aurbach)
 - Urgency for intervention



Social / insurance context – "Whiplash" example

Neck pain after rear-end collision

- Lithuania no symptoms > 3 weeks (Obelieniene, 1999)
- Greece: 91% WAD full recovery in 4 weeks (Partheni, 1997)
- Saskatchewan after change in compensation 27% drop in % of long-term WAD cases (Cassidy, 1995)

Absence from Work: Downward Spiral of Psychological Well-being

Discomfort Financial woes Job insecurity Family stress Pain beliefs No workplace contact Workplace stigma No active treatment



Week 1 2 3 4 5 6 7

Why we need to focus on RTW Early On

- RTW problems become irreversible over time
 - Employer linkage gets lost
 - Worker becomes a sick patient
 - Reversing long term disability requires many resources and costs
 - So it has to be addressed early on
- Prolonged disability drives unnecessary medical care

nthe 80

Risk factors for Pain are not the same as risks for Work Disability

- Risk factors for back PAIN outcome:
- Pain severity
- Diagnosis
- Somatic focus
- History

- Risk factors for back DISABILITY outcome:
- Workplace conflict
- Wkpl inflexibility
- Fear of injury
- Lack of autonomy
- Pain severity
- Catastrophic view

Frequency of Workplace Problems in Acute Work-Related LBP

- 28% job tenure < 1 year
- 38% physical job demands > 8 out of 10
- 38% no known modified duty options
- 18% don't enjoy job (less than 5 out of 10)
- 37% very worried about re-injury
- 31% feel unlikely to return < 4 weeks
- 14% job stressful most of the time

(Shaw et al., JOEM 2009)

Several ways to identify high-risk cases early in clinical care

- Clinician impressions
- Administrative data (WC system)
- Objective measurement (FCE)
- Patient questionnaire (Orebro)
- Semi-structured interview
- Worksite contact or visit

What are some of the advantages and disadvantages of each?

Örebro Musculoskeletal Pain Screening Questionnaire (ÖMPSQ)

- 25 item, self-administered questionnaire
- 21 items rated on a 0-10 scale
- Scores range 0 210

Back Disability Risk Questionnaire

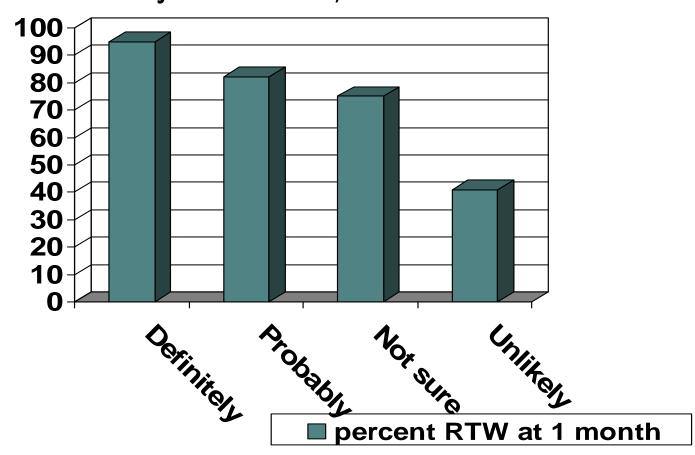
- Supervisor response
- Mood and stress
- Pain severity ratings
- Health and wellness
- Physical demands of work
- Self-efficacy for recovery
- Modified work options

(Shaw et al. Spine, 2005)

Appendix: Patien	t Questionnaire
 Please briefly describe what you were doing at the time of the injury or when the pain began: 	10. On a scale from 1 to 10 how much do you enjoy your present job? (1 = don't enjoy it at all, 10 = enjoy it a lot):
On a scale from 1 to 10, how much pain in your back do you have RIGHT NOW?	11. How worried are you that future physical activity may increase your back pain or result in re-injury?
Since this episode of back pain began, how has your pain changed? □ greatly improved □ somewhat improved □ about the same □ somewhat worse	□ extremely concerned □ very concerned □ somewhat concerned □ a little concerned □ not concerned at all
☐ a great deal worse	12. Do you think that you will be able to do your regular job, without any restrictions, 4
 Have you missed work for at least one day as a result of your current back injury? □Yes □No 	weeks from now? definitely unlikely probably no not sure
5. How long have you been with your present employer?	13. Before this episode of back pain, how
5. Employers, including supervisors or other managers, may have different kinds of reactions to a work injury. Right after your back pain began, did you supervisor?	often did you engage in at least moderate exercise (activities like walking, jogging, and cycling)? □ never □ rarely
a. blame you for the injury? □Yes □No b. try to help you? □Yes □No c. act angry at you for being off work?	□ once per week □ 2-3 times per week □ more than 4 times per week
□Yes □No d. question whether you were really hurt?	14. In general, would you say your health is?
□Yes □No e. discourage you from filing an injury report or workers' comp claim? □Yes □No	□ excellent □ fair □ very good □ poor □ good
7. On a scale from 1 to 10 how physically demanding is your present job? (1 = very light work, 10 = very hard work):	15. How much of the time during the past week have you felt downhearted and blue? ☐ all of the time ☐ most of the time
8. Have you seen a medical doctor for back pain before this episode? □Yes □ No	☐ a good bit of the time☐ some of the time☐ a little of the time☐ a little of the time
If yes, a. Severe enough that you had to restrict your activities? b. Severe enough that you had to stay home from work? c. Ever had back surgery?	□ none of the time 16. How much of the time during the past week have you felt under stress? □ all of the time □ most of the time □ a good bit of the time
 If you needed to go back to work on restricted or modified duty, do you believe your employer would allow it? 	some of the time a little of the time none of the time
□Yes □ No	

Expectations for Return to Work

Do you think you will be able to do your regular job, without any restrictions, 4 weeks from now?



Low RTW expectations – Pursue Open-Ended Questions

- Are you concerned that the <u>physical demands</u> of your job might delay your return to work?
- Do you expect your work could be modified temporarily so you could return to work sooner?
- Are there <u>stressful elements</u> to your job that might be difficult when you first return to work?
- What kind of response do you expect from <u>co-workers and supervisors</u> when you return?
- Is this a job you'd recommend to a friend?
- Are you <u>concerned</u> that returning to your usual work may be difficult?
- Are you worried about any repeat episodes of back pain once you return to work?

Acute LBP – 3 Risk clusters

- Immobilized
 - Fear avoidance
 - Physical dysfunction
 - Poor expectations for resuming activity
- Graded Activity
 Physiotherapy

 Improve self
 efficacy for phys
 function

- Disemployed
 - High physical demands
 - Poor employer response
 - No modified duty
 - Short job tenure

Worksite contact / evaluation

Improve accommodation + support

- Overwhelmed
 - Mood symptoms
 - Life adversity
 - Work stress
 - Pain catastrophizing

Problem Solving Skills Training Improve selfefficacy for
coping with
ALBP and
overcoming
barriers to
recovery

Early intervention for better outcomes in WC

- Early positive interaction + risk factor identification
- -Evidence-based care, RTW focus
- —Treat WD promptly
- Address psychosocial factors

Key early interactions

- Supervisor response
- OHS, other providers
- Claims manager
- Family, friends, co-workers

1. Employer Focus Supervisor Training Program - How to

- No blame/inquiry
- Positive, empathic
- Ergo/safety educ.

- Immediate contact Problem-solving
 - Regular follow-up
 - Accommodations
- "Want you back"Workplace update
 - Functional inquiry

Two 2-hour sessions, interactive

Mgmt endorsement

Over 25% sustained reduction in T

(Pransky, Shaw, Work, 2004)

WC claimants with good outcomes - BC

- Often enter process with bad experiences and advice from others
 Most important claims handler actions that made a difference:
- Listening, genuine empathy opportunity to start with their concerns (early activation) – 'what can we do to help?'
- Detailed explanation of the process- reduce uncertainty, 'why'
- Check-in calls when appropriate
- Early discussion about RTW decreases resistance
 - Must be approached carefully and gradually

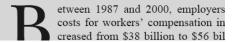
Claims managers: Do we use the right language?

- Negative impact of words like claimant, adjudication, pay without prejudice, pending investigation of your claim, third party action, recorded statement, choose to have attorney representation, acceptance of liability, determination of liability, legal standard for causation...
- Perceived injustice (<u>Scott, 2013</u>)

Health care **primarily** focused on RTW can be very effective

Ten Years' Experience Using an Integrated Workers' Compensation Management System to Control Workers' Compensation Costs

Edward J. Bernacki, MD, MPH Shan P. Tsai, PhD

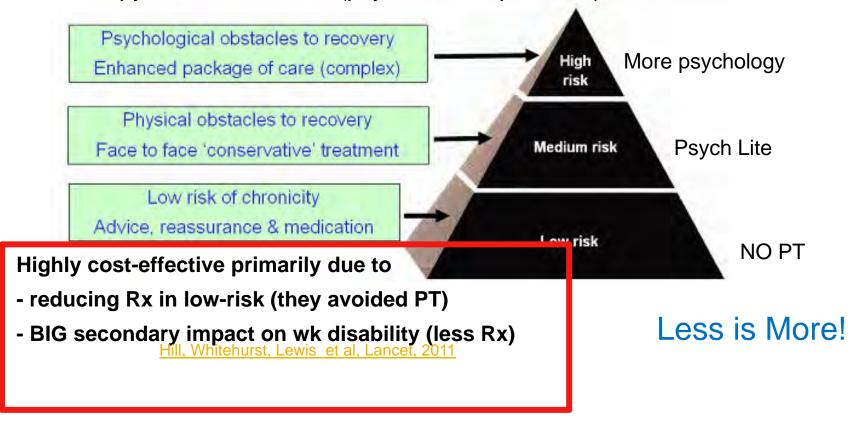


- Evidence-based care
- Continuous workplace communication
- Facilitated accommodations

77% reduction TTD, 57% reduction in WC medical care

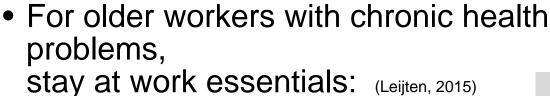
Keele StartBack Trial

 Screening of all new LBP patients in primary care referred to physical therapy with a 6-item tool (psychosocial questions)



Finding light duty / alternate work /

- Accommodation is the #1 factor in early RTW in WC
- Provide 30% lost work day reduction for employers



Changes to work stations, working times
 work tasks

Skilled wkr. shortage?
AAADA?

Tech – work @ home?

- Support from colleagues / supervisors
- Largely informal / self-directed accommodations



Getting people back to work decreases WD AND medical costs (Sweden)

- 140 working LBP patients, high WD risk, randomized to
 - Care as usual, or
 - Problem-solving, self-management, communication training for patients AND their supervisors
- Results (6 mo f/u)
 - 72% LESS lost work days
 - 4X LESS likely to seek
 more health care



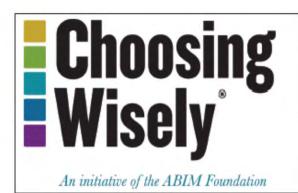


DTC

The Boston Globe Health & wellness

DAILY DOSE

7 mistakes doctors commonly make for back pain







Imaging tests for lower-back pain

When you need them-and when you don't

B ack pain can be excruciating. So it seems that getting an X-ray, CT scan, or MRI to find the cause would be a good idea, But that's usually not the case, at least at first, Here's why,





Reveal link

