

BACKGROUND: JOB DEMANDS-RESOURCES MODEL

- Job resources: physical, psychological, social, or organizational aspects of the job that are functional in achieving work goals; reduce job demands and the associated physiological and psychological cost; stimulate personal growth, learning, and development (Demerouti et al, 2001)
- Job demands: physical, psychological, social, or organizational aspects of the job that require sustained physical and/or psychological (i.e., cognitive or emotional) effort and are therefore associated with certain physiological and/or psychological costs (Demerouti et al., 2001).
- Work engagement is often studied as part of the JD-R model.
- 7240 hits in Google scholar for the JD-R model

WORK ENGAGEMENT IS A POSITIVE, RELATIVELY STABLE, AFFECTIVE-MOTIVATIONAL STATE OF FULFILLMENT AT WORK

Vigor

High levels of energy and mental flexibility while working, willingness to put effort into one's work, and persistence when facing difficulties

Dedication

Sense of significance, strong involvement in one's work, enthusiasm, inspiration, pride, and challenge

Absorption

Pleasant state of total immersion in one's work which is characterized by time passing quickly and being unable to detach oneself from the job

(Schaufeli et al, 2002)

WHY WORK ENGAGEMENT IS IMPORTANT FROM THE EMPLOYER'S PERSPECTIVE

- Business unit-level engagement was positively related to several business unit outcomes in 36 US organizations and nearly 8000 business units (Harter et al. 2002).
- Work engagament was positively associated with employee performance and customer loyalty among Spanish restaurant and hotel employees (Salanova et al. 2005)
- Work engagement negatively predicted the frequency of registered sickness absenteeism among Dutch telecom managers (Schaufeli et al. 2009)
- Daily work engagement positively predicted daily financial returns among Greek fastfood company employees (Xanthopoulou et al. 2009)
- Work engagement positively associated with clinical productivity and pay level among dentists in public sector (Hakanen & Koivumäki, 2014) and it predicted proactive behavior and work-unit innovativeness (Hakanen et al. 2008), organizational commitment (Hakanen et al. 2008b), and intentions and willingness to work longer careers (Hakanen & Perhoniemi 2008) among Finnish dentists

WHY WORK ENGAGEMENT IS IMPORTANT FROM THE EMPLOYEE'S PERSPECTIVE

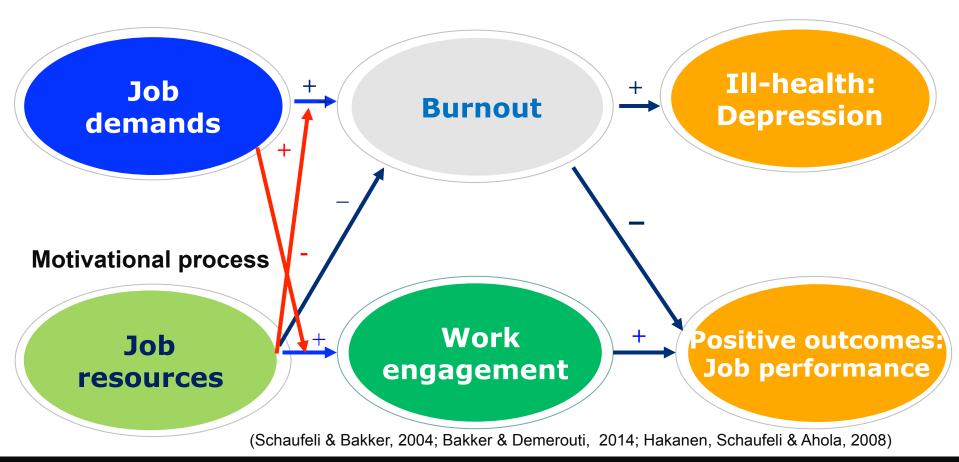
Engaged employees

- ...are happier and less depressed, even in the long-term (Hakanen & Schaufeli, 2012)
- ...are healthier in terms of healthy cardiac autonomic activity (Seppälä et al. 2012) and have better work ability (Airila et al. 2012)
- ...are more satisfied with their marriages and their roles as parents (Hakanen & Perhoniemi 2006)
- ...sleep better (Hakanen, Rodrigues-Sanchez & Perhoniemi 2012)
- ...experience higher levels of work-family enrichment also in the long-term (Hakanen;
 Peeters & Perhoniemi 2011) and less work-family conflict (Hakanen & Peeters, 2015)
- ...and do not turn into workaholics over time (Hakanen & Peeters, 2015)

...and these are of course also positive outcomes for the employer!

JOB DEMANDS-RESOURCES MODEL

Health impairment process

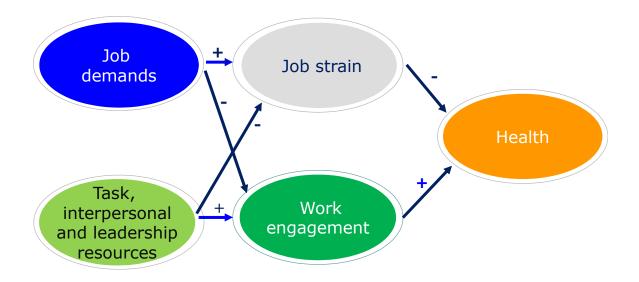


SOME OPEN ISSUES

- Job resources can exist at task, organization of work, interpersonal and social, and organizational level (Bakker et al., 2003).
- However, there is sparse knowledge about the relative importance of different kinds of job resources and job demands in the JDR model (Hakanen & Luukkonen, 2015).
- Thus far, the role of leadership in the JD-R model has rarely been addressed.
- Work engagement has been found to predict health outcomes as well

AIMS

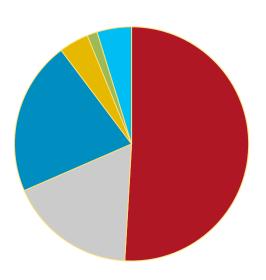
- To test factorial validity of the the COPSOQ scales by using the JD-R model (measurement model)
- To test two different mediated JD-R models predicting health and using COPSOQ measures





All staff from public dental organizations i 4 Swedish regions





75% response rate N=1345

90% women Age mean 48.5 (s.d. 11.3) 98% permanent employment 11% leaders

- Dental nurse
- Dentist
- Dental technician

- Dental hygienist
- Specialized dentist
- Others

Measures in the model JDR-model

Demands

Quantitative Demands Work Pace Emotional Demands

Strain symptoms

Stress
Burnout
Sleeping
troubles

Leadership Resources Social Support Superior Quality of Leadership Justice and Respect

Engagement

Vigor
Dedication
Absorption

Interpersonal Resources

Social Support Colleagues
Work-related Community
Horisontal trust

Health

Work ability score
Prospective work ability
General Health

Task Resources Influence
Opportunities for development
Variation

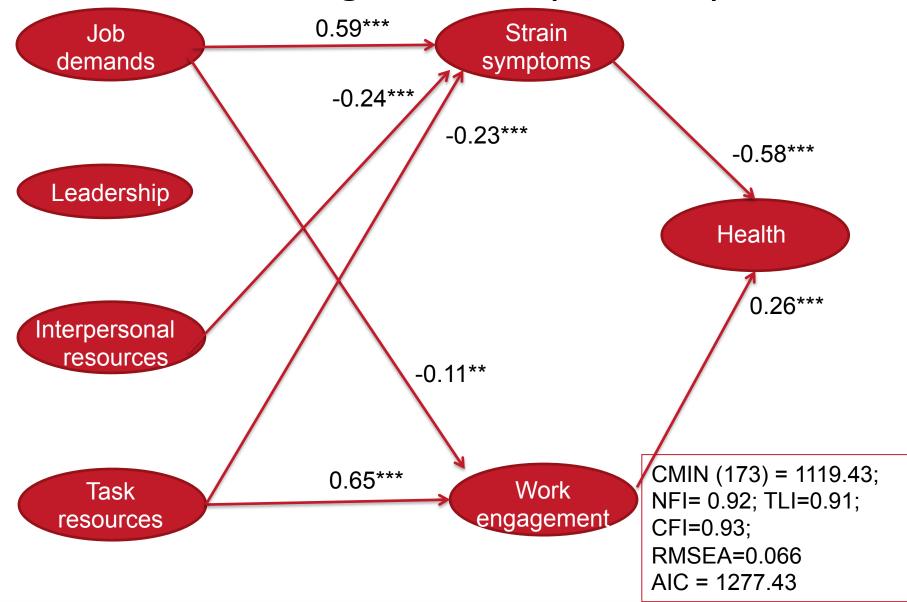
Measurement model:

 $\chi 2(168)=1114.57$,

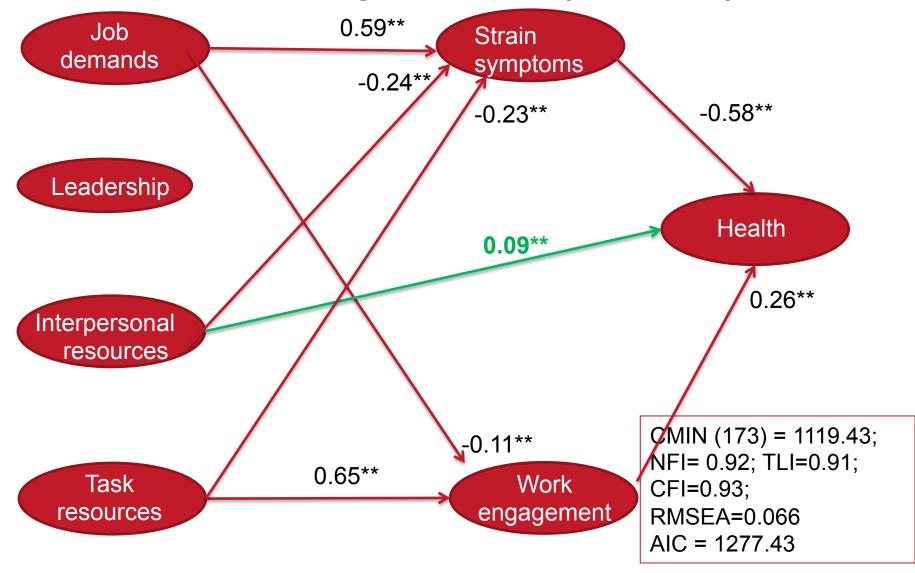
CFI=0.93, NFI =0.92

RMSEA=0.067

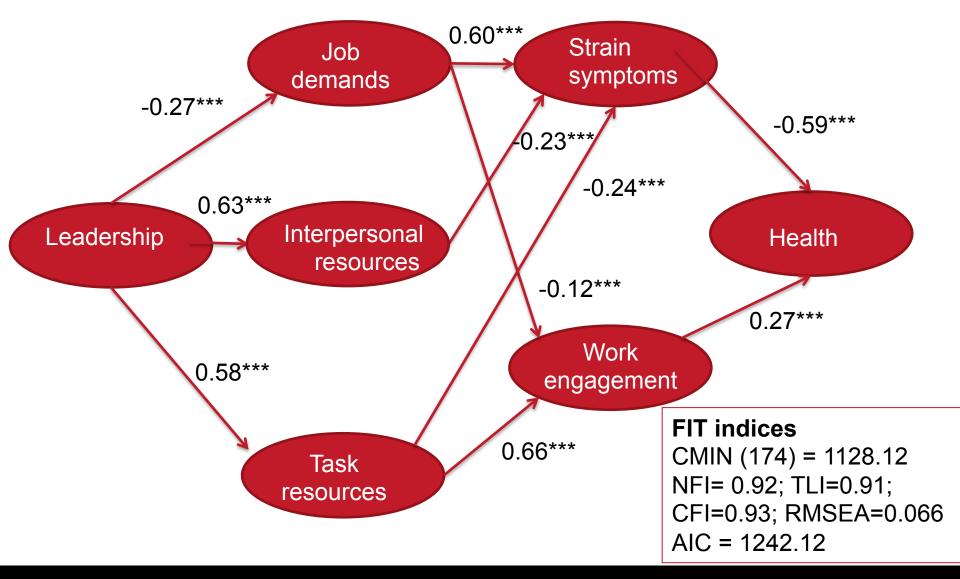
JD-R model 1 using COPSOQ (N = 1281)



JD-R model 1 using COPSOQ (N = 1281)



JD-R model 2 using COPSOQ (N = 1281)



CONCLUSION

- The factorial structure of job resources existing at different levels and job demands was good.
- The role of leadership in the JD-R model should be investigated longitudinally (one of the job resources OR a driver of other job resources?)
- COPSOQ includes many job demands and job resources and outcomes and thus can be utilized flexibly in different occupational contexts to test different aspects of the JD-R model

Next step:

 Multilevel analyses and inclusion of register data from organisations in future analyses

Merci beaucoup! Tack så mycket! Kiitos!

ETHICS

The study has been approved by the Regional Ethics Board in Southern Sweden



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