





# Development of COPSOQ and CBI — Updates from China















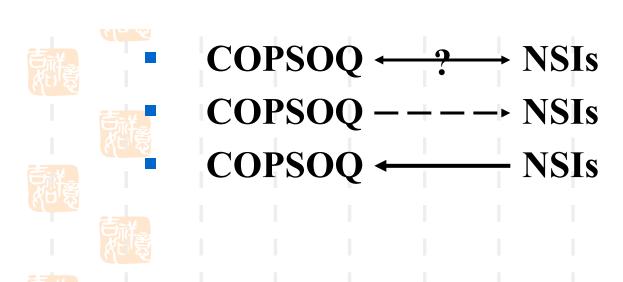
The 5th International Workshop on COPSOQ Paris, France, 7-9 October 2015



#### ORIGINAL ARTICLE

# Psychosocial work characteristics and needle stick and sharps injuries among nurses in China: a prospective study

Adrian Loerbroks · Li Shang · Peter Angerer · Jian Li · Chinese NEXT Study Group





# Differential health effects of Skill Discretion and Decision Authority

- Joensuu M, et al. <u>Differential associations of job</u> <u>control components with mortality: a cohort study,</u> <u>1986-2005.</u> Am J Epidemiol, 2012, 175 (7): 609-619.
- Joensuu M, et al. <u>Components of job control and</u> <u>mortality: the Finnish Public Sector Study.</u> Occup Environ Med, 2014, 71 (8): 536-542.
- Bean CG, et al. *Differential associations of job*control components with both waist circumference
  and body mass index. Soc Sci Med, 2015, 143: 1-8.

## Copenhagen Psychosocial Questionnaire

# Possibilities for Development (Skill Discretion)

Do you have the possibility of learning new things through your work?

Does your work require you to take the initiative?







## Copenhagen Psychosocial Questionnaire

# Possibilities for Development (Skill Discretion)

Do you have the possibility of learning new things through your work?

Does your work <u>require</u> you to <u>take the initiative</u>?

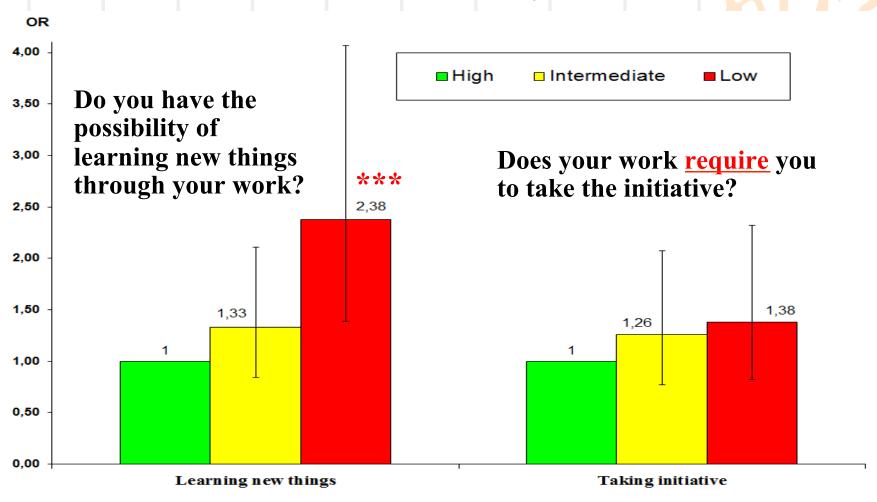


Key Word



### Skill discretion and poor self-rated health

General working population (n=2011) Cross-sectional study





Logistic regression, \*\*\* p < 0.001Adjusted for age, sex, SES, behaviors

## Demand-Control-Support Questionnaire

#### Skill discretion

- Do you have the possibility of learning new things through your work?
- Does your work require ingenuity?

#### Skill discretion

- Do you have the possibility of learning new things through your work?
- Are you able to take ingenuity at work?



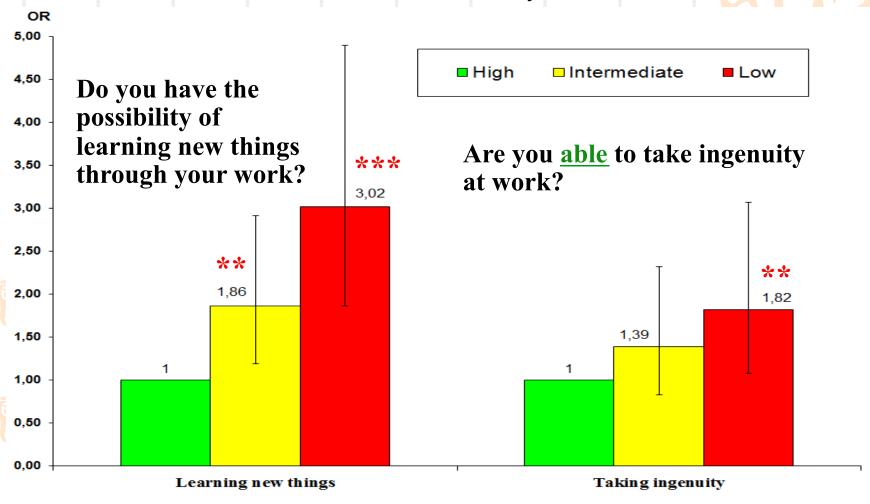






### Skill discretion and poor self-rated health

General working population (n=2683) Cross-sectional study





Logistic regression, \*\* p < 0.01, \*\*\* p < 0.001Adjusted for age, sex, SES, behaviors

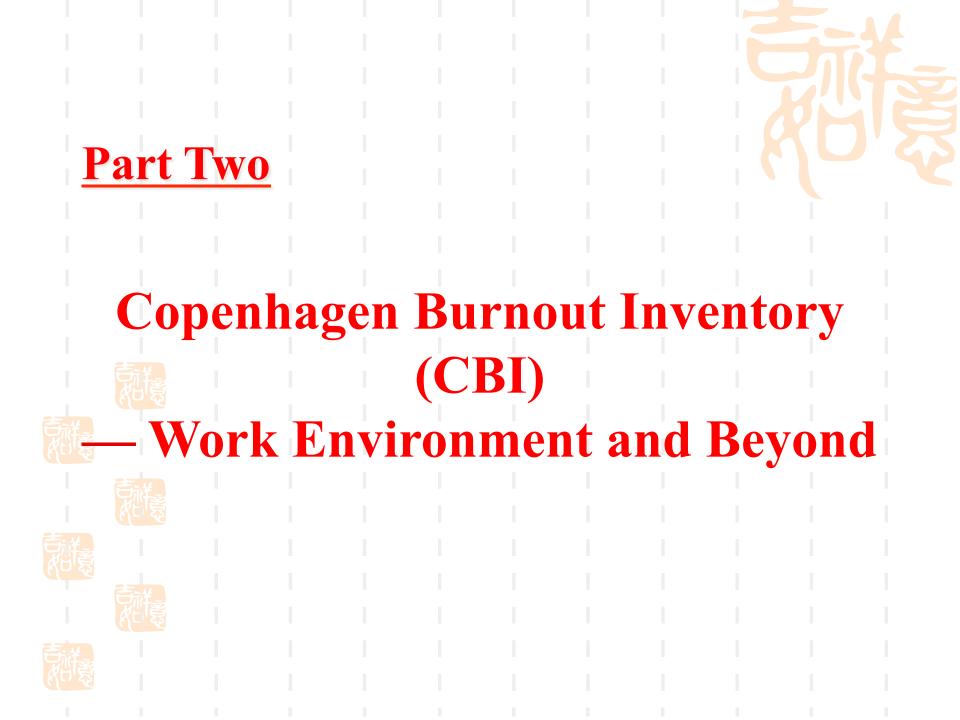
### **Conclusion**

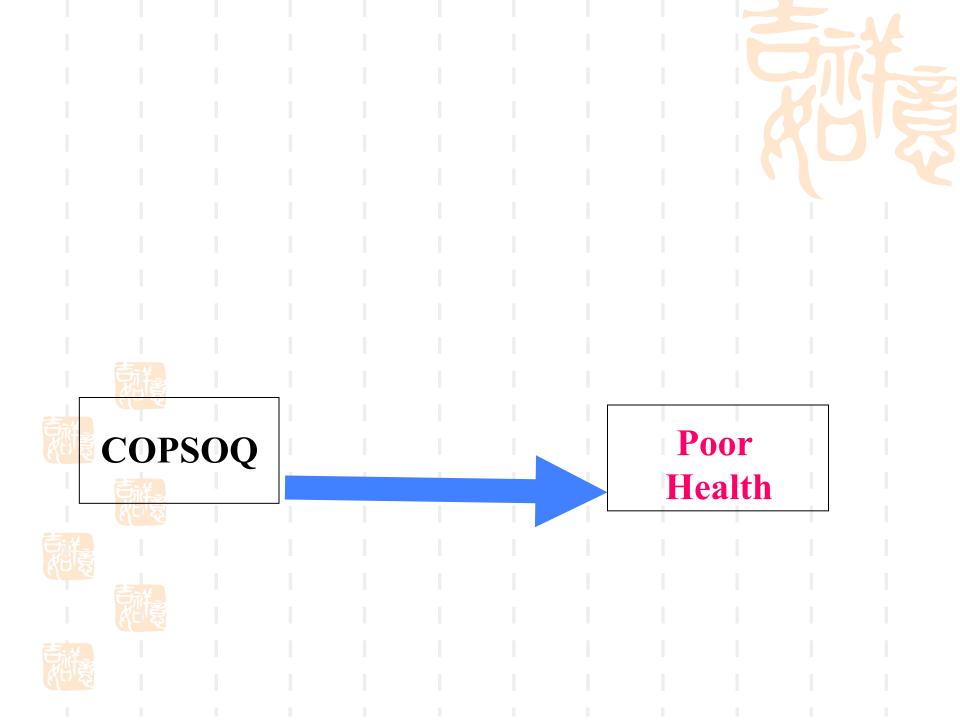
Possibilities for Development (Skill Discretion) might differentiate from Influence (Decision Authority), at the conceptual level and/or at the methodological level.

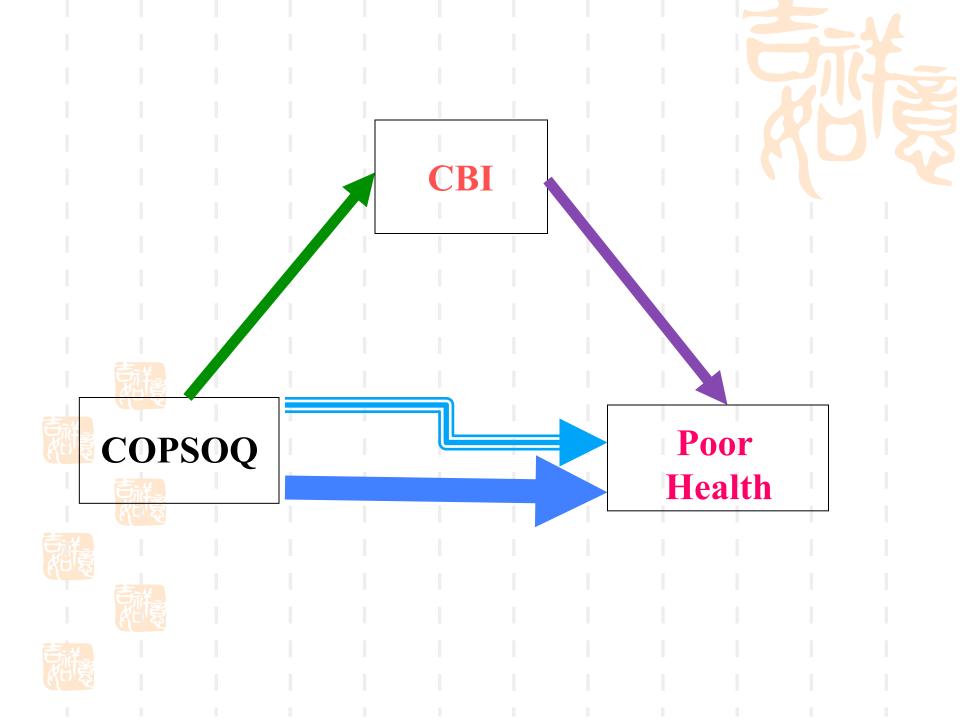


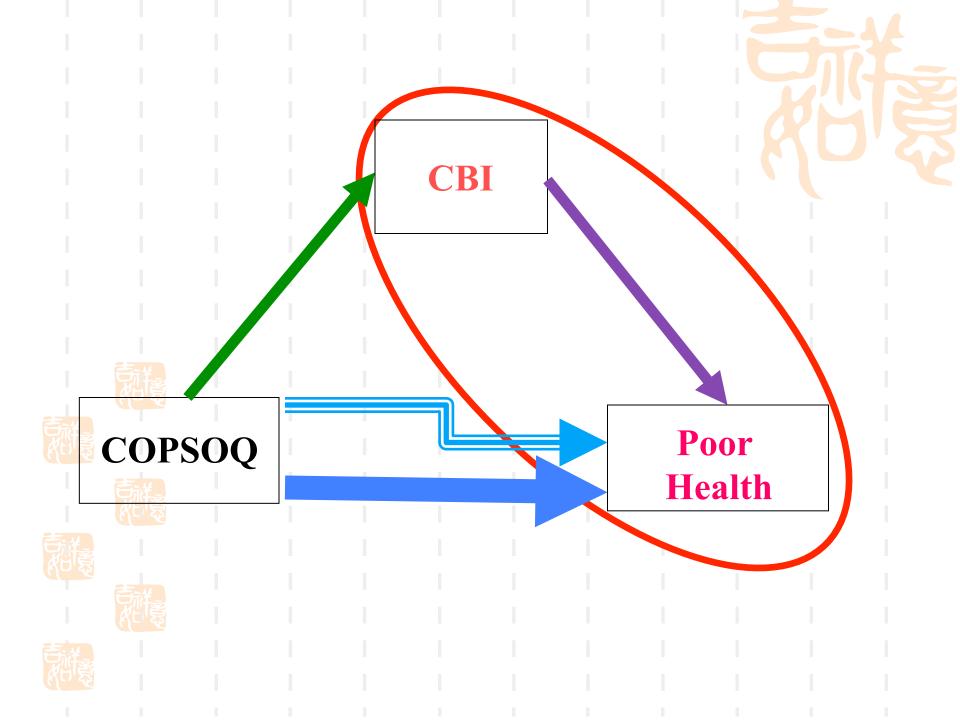
Some items could be modified, such as not using the word "require".



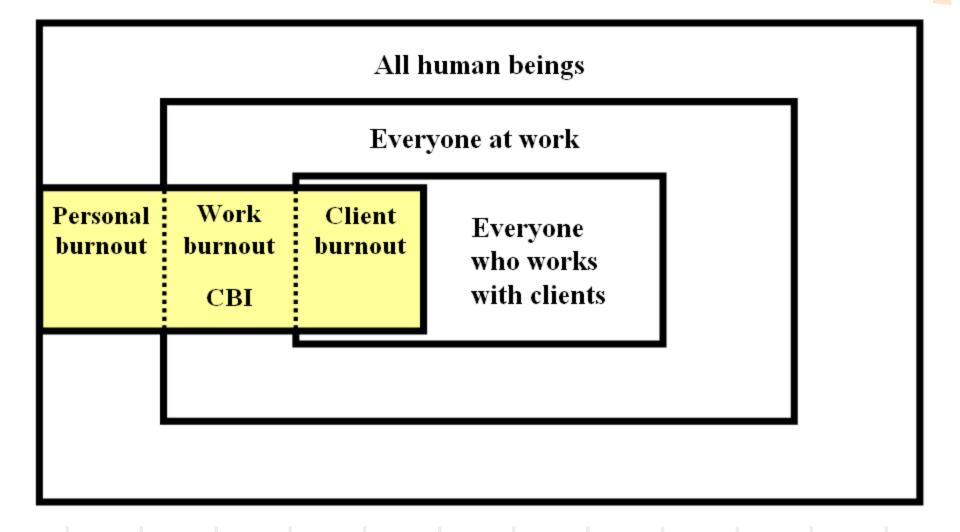








# Copenhagen Burnout Inventory



# Copenhagen Burnout Inventory

#### — Work-related Burnout

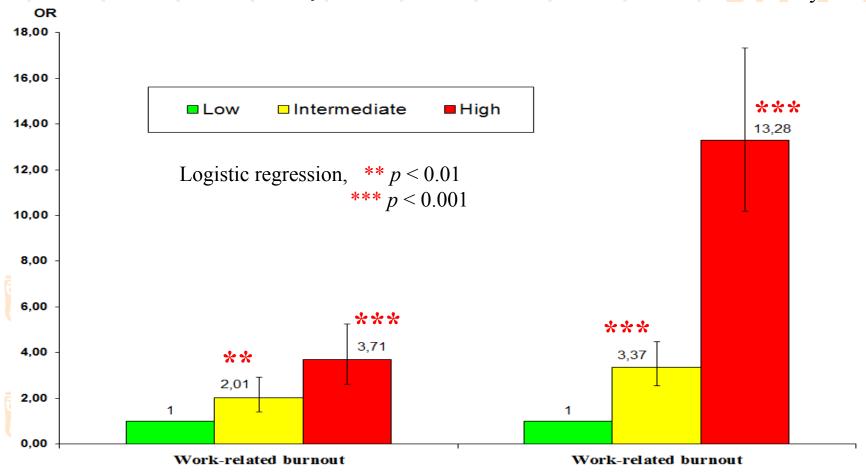
- Is your work emotionally exhausting?
- Do you feel burnt out because of your work?
- Does your work frustrate you?
- Do you feel worn out at the end of the working day?
- Are you exhausted in the morning at the thought of another day at work?
- Do you feel that every working hour is tiring for you?

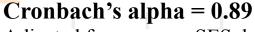


#### Work-related burnout and mental disorders

General working population (n=2011) Cross-sectional study

Hospital female nurses (n=3088)
Baseline cross-sectional study





Adjusted for age, sex, SES, behaviors

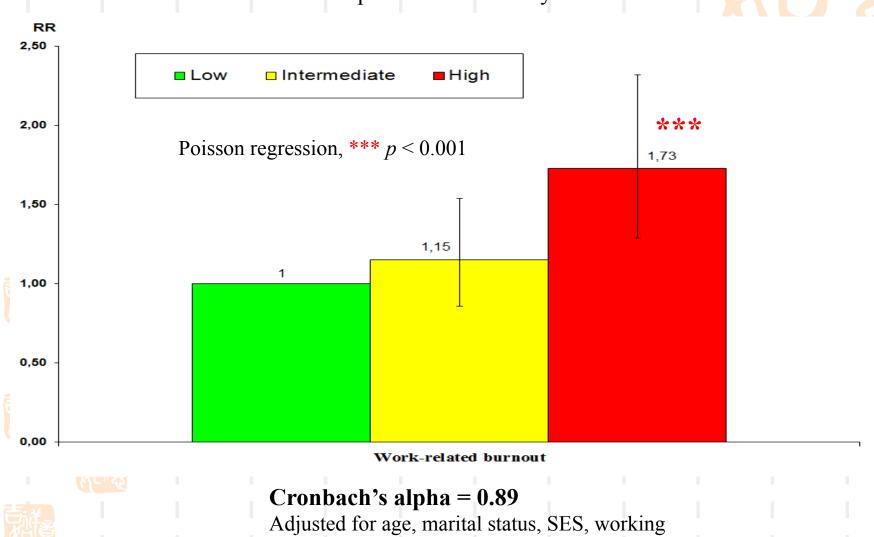
Cronbach's alpha = 0.92

Adjusted for age, marital status, SES, working time, shiftwork, behaviors



#### Work-related burnout and mental disorders

Hospital female nurses (n=1289) Prospective cohort study



time, shiftwork, behaviors at baseline

# Psychosocial Environment

Work settings vs. School settings



**Adults** 



Children









## Copenhagen Burnout Inventory

#### — Work-related Burnout

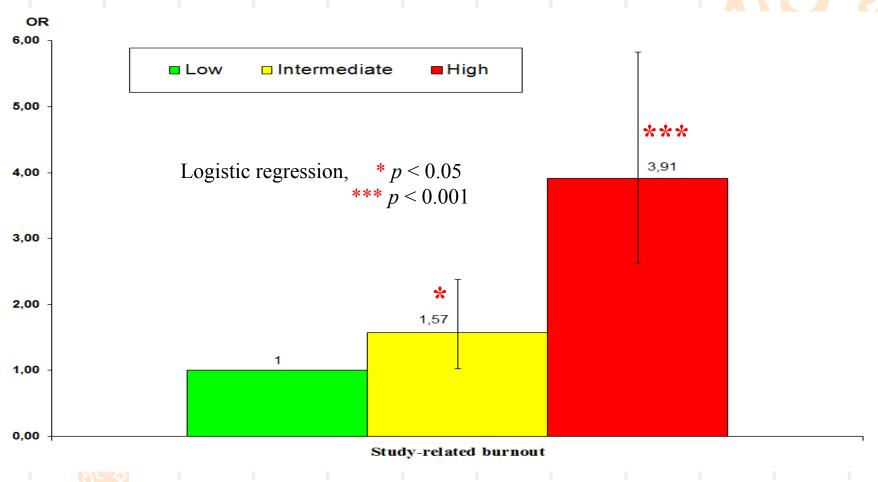
- Is your work emotionally exhausting?
- Do you feel burnt out because of your work?
- Does your work frustrate you?
- **Do you feel worn out at the end of the working day?**
- Are you exhausted in the morning at the thought of another day at work?
- Do you feel that every working hour is tiring for you?

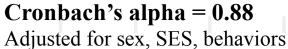
#### — **Study-related Burnout**

- Is your <u>study</u> emotionally exhausting?
- Do you feel burnt out because of your <u>study</u>?
- Does your study frustrate you?
- Do you feel worn out at the end of the <u>studying</u> day?
- Are you exhausted in the morning at the thought of another day at study?
- Do you feel that every <u>studying</u> hour is tiring for you?

#### Study-related burnout and psychosomatic symptoms

Middle-school students at grade 7 (n=949) Cross-sectional study







### **Conclusion**

• Work-related burnout measured by CBI is associated with poor health among workers, cross-sectionally and prospectively (*already well-known*).

CBI-School Version seems a reliable and valid tool to measure study-related burnout, more studies are needed (*new knowledge*).

# Thank you for your attention!

