

The third version of the Copenhagen **Psychosocial Questionnaire**

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CHARITÉ























Background

- The Copenhagen Psychosocial Questionnaire (COPSOQ) (Kristensen 2010; Pejtersen et al. 2010) is aimed for
 - practical use in workplaces & research on work and health (Nübling et al 2014)
 - extensive coverage of psychosocial factors
- Used in 40 countries, of which 17 versions have been validated (https://www.copsoq-network.org/validation-studies/)
- Widely used in research; 400 peer reviewed papers (Nolle 2018)



Background

- Need for third version:
 - International flexibility
 - Trends
 - Theoretical concepts
 - International experience

 International workshops in Gent, Paris and Santiago de Chile 2013-17 & intermediate Delphi processes



Changes: International flexibility

 A new feature: COPSOQ III is characterized by core items

- One or two core items per dimension:
 - mandatory for national versions of COPSOQ
 - allow national adaptations of short, middle and long versions of the questionnaire



Changes: Trend and concept based

- Trends, new dimensions:
 - Control over working time (reintrod.)
 - Insecurity over employment
 - Insecurity over working conditions
 - Harrassment in social media
- Concepts, new dimensions:
 - Illegitimate tasks
 - Work engagement



Changes: Experience based

- New dimensions:
 - Demands for hiding emotions (reintrod.)
- Abandoned dimensions:
 - Social inclusiveness
- Item modifications
 - Emotional demands, Influence at work, Possibilites for development, Recognition, Role conflicts, Quality of leadership, Social support, Commitment to the workplace, Job satisfaction, Work life conflict, Vertical trust, Bullying, Stress
- Resulting COPSOQ III:
 - 45 dimensions within 8 domains covering 148 items



Goal

 To analyse psychometric characteristics of the new middle version:

International middle version

National adapted middle versions

Method, Populations

- Seven populations with 23,361 employees during 2016-2017 in
 - Canada
 - Spain
 - France
 - Germany
 - Sweden
 - Turkey





Method analyses

- Psychometric properties of the middle version of the questionnaire were assessed (25 dimensions covering 59 items)
 - Mean values
 - Cronbach's α
 - Ceiling
 - Floor
 - Missing values
 - Intercorrelations



Results, scales: Cronbach's α

- International middle version
 - Two-item scales α's ranged from 0.64
 (Commitment to the workplace) to 0.87 (Social support from supervisor)
 - Three-item scales α's ranged from 0.66 (Hiding emotions) to 0.87 (Quality of leadership)
 - Four-item scales α's 0.69 (Control over working time) and 0.80 (Influence at work)
- National middle versions: Same results



Results: Means, Floor and ceiling effects

Dimensions with lowest means, floor effects:

- Quantitative demands (mean 39, 12% floor)
- Insecurity over employment (mean 39, 19% floor)

Dimensions with highest means, ceiling effects:

- Role clarity
 (mean 75, 25% ceiling)
- Sense of community at work (mean 77, 30% ceiling)

National middle versions: Heterogeneous results



Results: missing and intercorrelations of dimensions

- Fractions of missing generally very low
- Most intercorrelations low to medium (of 378 intercorrelations, five were >0.6; none were >0.69)
 - Intercorrelations >0.6 involved Quality of leadership, Organizational justice, Recognition and Commitment to the workplace
- National middle versions: Same results



Discussion: COPSOQ III

- New dimensions: Illegitimate tasks, Work engagement(Schaufeli et al 2006), Insecurity over working conditions, Quality of work and Harassment in social media
- Reliable and distinct measures of a wide range of psychosocial dimensions of modern working life
- Meets needs for both practice and research –
 reflected in the increased use in both settings (Nolle 2018)
- Can be used in different national and cultural contexts in all parts of the world





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Additional slides



Future development of COPSOQ

- Validity
 - further national tests
 - test retest
 - external validity
 - levels of work (e.g. work unit, occupation)
- Use of COPSOQ in practical settings
 - psychosocial risk assessment
 - organizational development
- Social capital
 - distinction of COPSOQ dimensions
- Current trends in the working environment



Validation studies of national versions of COPSOQ

- China
- Iran
- Turkey
- Romania
- Poland
- Hungary
- Sweden
- Denmark
- Germany
- Belgium

- France
- Italy
- Spain
- Portugal
- Canada
- Cuba
- Brasil
- Peru
- Argentina
- Chile



	DOMAIN	DIMENSION
	Demands at work	Quantitative demands
		Work pace
		Cognitive demands
		Emotional demands
		Demands for hiding emotions
		Influence at work
	Work organization and job contents	Possibilities for development
		Variation of work
		Control over working time
		Meaning of work
	Interpersonal relations and leadership	Predictability
		Recognition
		Role clarity
		Role conflicts
		Illegitimate tasks
		Quality of leadership
		Social support from supervisor
		Social support from colleagues
		Sense of community at work
	Work individual Interface	Commitment to the workplace
		Work engagement
		Insecurity over employment
		Insecurity over working conditions
		Quality of work
		Job satisfaction
		Work life conflict
	Social capital	Vertical trust
		Horizontal trust
		Organizational justice
	Conflicts and offensive behaviour	Gossip and slander
		Conflicts and quarrels
		Unpleasant teasing
		Harassment in social media
		Sexual harassment
		Threats of violence
		Physical violence
		Bullying
	Health and well being	Self-rated health
		Sleeping troubles
		Burnout
		Stress
		Somatic stress
		Cognitive stress
		Depressive symptoms
		Core dimensions
	Personality COPSOQ III	Additional international middle dimensions
	COPSOQ III	Other available dimensions
		Other available difficients