

Bidimensional structure and measurement equivalence of the Patient Health

Questionnaire-9: Sex-sensitive assessment of depressive symptoms in three representative

German cohort studies

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Additional Table 3a. Descriptive statistics of overall depressive symptoms, somatic, and cognitive-affective depressive symptoms stratified by sex and cohorts

Overall depressive symptoms				
Sex	Cohort	Mean	SD	N
women	GHS	4.54	3.67	7304
	KORA	3.84	3.45	1592
	SHIP	3.70	3.63	917
men	GHS	3.64	3.38	7428
	KORA	2.85	3.04	1472
	SHIP	2.57	2.83	791
Somatic subscale				
Sex	Cohort	Mean	SD	N
women	GHS	2.72	2.09	7084
	KORA	2.32	2.03	1592
	SHIP	2.20	1.97	918
men	GHS	2.13	1.89	7276
	KORA	1.72	1.82	1474
	SHIP	1.52	1.67	793
Cognitive-affective subscale				
Sex	Cohort	Mean	SD	N
women	GHS	1.84	2.00	7059
	KORA	1.51	1.82	1592
	SHIP	1.51	2.00	919
men	GHS	1.51	1.89	7241
	KORA	1.13	1.62	1472
	SHIP	1.05	1.50	792

Note: SD = standard deviation, GHS = Gutenberg Health Study, KORA = Cooperative Health Research in the Augsburg Region, SHIP = Study of Health in Pomerania.

Additional Table 3b. Two-way ANOVA of depression, somatic , cognitive-affective depression stratified by cohorts, sex and cohort*sex

Overall depressive symptoms					
	df	MS	F	p	Effect size
cohorts	2	766.38	63.699	<.0001	0.006
sex	1	2317.12	192.590	<.0001	0.010
cohorts*sex	2	10.04	0.835	0.434	0.000
within groups	19498	12.03			
total	19503				
Somatic subscale					
	df	MS	F	p	Effect size
cohorts	2	256.50	66.127	<.0001	0.004
sex	1	891.86	229.929	<.0001	0.005
cohorts*sex	2	1.88	0.485	0.616	0.000
within groups	19131	3.88			
total	19136				
Cognitive-affective subscale					
	df	MS	F	p	Effect size
cohorts	2	145.30	35.686	<.0001	0.004
sex	1	347.27	40.293	<.0001	0.005
cohorts*sex	2	2.77	96.305	0.463	0.000
within groups	19069	3.61	0.769		
total	19074				

Note: Df = degree of freedom, MS = Mean squares, effect size = partial eta squared (η_p^2)