

Table S1: Prevalences in each work-related categories in SOLAR I and SOLAR II. Rows represent prevalences at baseline (SOLAR I) and columns are prevalences in SOLAR II.

		SOLAR II			
		Work overload			
SOLAR I	Work overload	Low	Average	High	
		Low	65.5	23.5	11.0
		Average	42.1	33.0	24.9
	High	27.5	25.7	46.7	
	Work discontent	Low	Average	High	
		Low	74.9	16.9	8.2
Average		66.0	21.3	12.7	
High	51.7	23.5	24.8		

Table S2: Adjusted Odds Ratios for stress outcomes using complete cases (OR_{CC}) and multiple imputation (OR_{MI}) with 95% confidence intervals (95%CI) using the Model 3. Associations obtained using ordinal GEE models in a prospective cohort study of German young adults.

		Work discontent		Work overload	
		$OR_{CC}(95\%CI)$	$OR_{MI}(95\%CI)$	$OR_{CC}(95\%CI)$	$OR_{MI}(95\%CI)$
Occupation	Employed	Reference			
	Student	1.02 (0.90;1.15)	1.06 (0.84;1.34)	1.35 (1.20;1.52)	1.33 (1.07;1.67)*
	Apprentice	0.86 (0.76;0.97)	0.91 (0.72;1.14)	1.07 (0.95;1.20)	1.07 (0.86;1.34)
	Unemployed	2.27 (1.86;2.78)	2.15 (1.50;3.09)*	0.66 (0.51;0.85)	0.62 (0.39;1.00)
	Other	1.40 (1.11;1.77)	1.46 (0.95;2.26)	1.04 (0.82;1.31)	1.07 (0.69;1.67)
	Self-employed	0.43 (0.19;1.01)	0.61 (0.19;1.98)	3.71 (2.36;5.83)	2.55 (1.16;5.58)*
Clerk	No	Reference			
	Yes	0.78 (0.71;0.86)*	0.81 (0.68;0.98)*	1.04 (0.95;1.15)	1.04 (0.87;1.25)
Professionals and technicians	No	Reference			
	Yes	0.90 (0.84;0.97)*	0.90 (0.79;1.04)	0.95 (0.88;1.02)	0.94 (0.82;1.08)
Health professions	No	Reference			
	Yes	0.78 (0.71;0.86)*	0.80 (0.67;0.95)*	1.19 (1.10;1.29)*	1.17 (1.01;1.37)*
Plant machine operators	No	Reference			
	Yes	0.81 (0.74;0.88)*	0.82 (0.70;0.96)*	0.94 (0.86;1.02)	0.92 (0.79;1.08)
Elementary occupations	No	Reference			
	Yes	0.97 (0.85;1.09)	0.94 (0.74;1.19)	1.03 (0.91;1.16)	1.01 (0.81;1.27)
Time	SOLAR I	Reference			
	SOLAR II	1.02 (0.91;1.16)	1.08 (0.86;1.36)	1.53 (1.35;1.73)*	1.55 (1.22;1.95)*
Sex	Man	Reference			
	Woman	0.90 (0.85;0.96)*	0.89 (0.80;1.00)	1.36 (1.28;1.45)*	1.35 (1.22;1.53)*
Having children	No	Reference			
	Yes	0.89 (0.76;1.04)	0.89 (0.67;1.18)	1.50 (1.29;1.74)*	1.46 (1.10;1.93)*
SES	High	Reference			
	Low	0.91 (0.86;0.96)*	0.91 (0.81;1.02)	0.88 (0.83;0.94)*	0.88 (0.79;0.99)*
Education	Elementary	Reference			
	Secondary	0.69 (0.63;0.75)*	0.70 (0.60;0.81)*	0.88 (0.81;0.95)*	0.87 (0.75;1.01)
	Advanced technical	0.61 (0.52;0.71)*	0.60 (0.45;0.81)*	0.82 (0.71;0.95)*	0.86 (0.65;1.15)
	Higher	0.50 (0.44;0.57)*	0.47 (0.37;0.61)*	0.77 (0.68;0.88)	0.77 (0.60;0.98)*
Social overload	Low	Reference			
	Average	1.00 (0.94;1.08)	1.09 (0.96;1.23)	1.25 (1.17;1.34)*	1.24 (1.10;1.41)*
	High	1.11 (1.01;1.22)*	1.17 (0.98;1.38)	1.42 (1.29;1.55)*	1.42 (1.20;1.68)*
Lack of social recognition	Low	Reference			
	Average	1.44 (1.35;1.54)*	1.38 (1.22;1.57)*	1.09 (1.02;1.16)*	1.08 (0.96;1.23)
	High	2.15 (1.95;2.36)*	1.94 (1.64;2.30)*	1.17 (1.07;1.29)*	1.16 (0.99;1.40)
Chronic worrying	Low	Reference			
	Average	1.43 (1.33;1.54)*	1.41 (1.23;1.62)*	1.78 (1.66;1.92)*	1.82 (1.58;2.09)*
	High	1.70 (1.55;1.86)*	1.72 (1.45;2.05)*	2.86 (2.60;3.15)*	2.89 (2.41;3.46)*
Stressful memories	Low	Reference			
	Average	1.17 (1.09;1.26)*	1.19 (1.04;1.36)*	1.21 (1.12;1.30)*	1.20 (1.04;1.38)*
	High	1.12 (1.02;1.22)*	1.11 (0.94;1.31)	1.11 (1.01;1.22)*	1.13 (0.95;1.35)

*: Indicates statistical significance at 95% level

Table S3: Adjusted odds ratios after multiple imputation (aOR) and 95% confidence intervals (95% CI) for **Work discontent** and sex using the Model 3. Associations obtained using ordinal GEE models in a prospective cohort study of German young adults.

		Both sex aOR (95% CI)	Women aOR (95% CI)	Men aOR (95% CI)
Occupation	Employed	1	1	1
	Student	1.06 (0.84;1.34)	1.01 (0.76;1.35)	1.23 (0.79;1.91)
	Apprentice	0.91 (0.72;1.14)	0.89 (0.67;1.19)	0.96 (0.64;1.43)
	Unemployed	2.15 (1.50;3.09)*	2.58 (1.63;4.09)*	1.74 (0.93;3.27)
	Other	1.46 (0.95;2.26)	1.15 (0.67;1.98)	2.45 (1.18;5.09)*
	Self-employed	0.61 (0.19;1.98)	2.01 (0.74;5.47)	NA [†]
Clerk	No	1	1	1
	Yes	0.81 (0.68;0.98)*	0.77 (0.62;0.96)	0.88 (0.61;1.26)
Professionals and technicians	No	1	1	1
	Yes	0.90 (0.79;1.04)	0.67 (0.53;0.85)*	0.88 (0.71;1.10)
Health professions	No	1	1	1
	Yes	0.80 (0.67;0.95)*	0.67 (0.53;0.85)*	0.97 (0.75;1.25)
Plant machine operators	No	1	1	1
	Yes	0.82 (0.70;0.96)*	0.75 (0.60;0.95)*	0.89 (0.72;1.10)
Elementary occupations	No	1	1	1
	Yes	0.94 (0.74;1.19)	1.08 (0.79;1.48)	0.77 (0.53;1.14)
Time	1	1	1	1
	2	1.08 (0.86;1.36)	1.02 (0.75;1.39)	1.25 (0.87;1.79)
Having children	No	1	1	1
	Yes	0.89 (0.67;1.18)	0.99 (0.72;1.37)	0.69 (0.28;1.71)
SES	High	1	1	1
	Low	0.91 (0.81;1.02)	0.96 (0.83;1.12)	0.80 (0.67;0.97)
Education	Elementary	1	1	1
	Secondary	0.70 (0.60;0.81)*	0.72 (0.58;0.88)*	0.67 (0.53;0.85)*
	Advanced technical	0.60 (0.45;0.81)*	0.63 (0.43;0.92)*	0.54 (0.33;0.89)*
	Higher	0.47 (0.37;0.61)*	0.52 (0.37;0.72)*	0.39 (0.26;0.57)*
Social overload	Low	1	1	1
	Average	1.09 (0.96;1.23)	1.20 (1.02;1.42)*	0.97 (0.81;1.17)
	High	1.17 (0.98;1.38)	1.26 (1.02;1.57)*	1.17 (0.88;1.55)
Lack of social recognition	Low	1	1	1
	Average	1.38 (1.22;1.57)*	1.32 (1.12;1.55)*	1.40 (1.15;1.70)*
	High	1.94 (1.64;2.30)*	1.75 (1.43;2.14)*	2.21 (1.66;2.96)*
Chronic worrying	Low	1	1	1
	Average	1.41 (1.23;1.62)*	1.26 (1.05;1.51)*	1.62 (1.31;2.00)*
	High	1.72 (1.45;2.05)*	1.74 (1.41;2.14)*	1.40 (0.99;1.98)
Stressful memories	Low	1	1	1
	Average	1.19 (1.04;1.36)*	1.23 (1.03;1.48)*	1.18 (0.96;1.46)
	High	1.11 (0.94;1.31)	1.17 (0.94;1.44)	1.09 (0.81;1.47)

*: Indicates statistical significance at 95% level

†: Not available because not enough individuals for estimation

Table S4: Adjusted odds ratios after multiple imputation (aOR) and 95% confidence intervals (95% CI) for **Work overload** and sex using the Model 3.

		Both sex aOR (95% CI)	Women aOR (95% CI)	Men aOR (95% CI)
Occupation	Employed	1	1	1
	Student	1.33 (1.07;1.67)*	1.23 (0.95;1.60)	1.46 (0.94;2.26)
	Apprentice	1.07 (0.86;1.34)	0.92 (0.71;1.20)	1.48 (0.99;2.21)
	Unemployed	0.62 (0.39;1.00)	0.72 (0.41;1.27)	0.44 (0.15;1.24)
	Other	1.07 (0.69;1.67)	0.94 (0.56;1.57)	1.42 (0.60;3.34)
	Self-employed	2.55 (1.16;5.58)*	1.55 (0.55;4.32)	4.41 (1.19;16.32)*
Clerk	No	1	1	1
	Yes	1.04 (0.87;1.25)	1.03 (0.83;1.28)	1.05 (0.73;1.51)
Professionals and techn.	No	1	1	1
	Yes	0.94 (0.82;1.08)	0.86 (0.74;1.01)	1.08 (0.83;1.41)
Health professions	No	1	1	1
	Yes	1.17 (1.01;1.37)*	1.25 (1.02;1.53)*	1.06 (0.83;1.36)
Plant machine operators	No	1	1	1
	Yes	0.92 (0.79;1.08)	0.91 (0.73;1.14)	0.93 (0.74;1.17)
Elementary occup.	No	1	1	1
	Yes	1.01 (0.81;1.27)	0.93 (0.7;1.23)	1.13 (0.78;1.65)
Time	SOLAR I	1	1	1
	SOLAR II	1.55 (1.22;1.95)*	1.48 (1.11;1.96)*	1.50 (0.99;2.28)
Having children	No	1	1	1
	Yes	1.46 (1.10;1.93)*	1.51 (1.10;2.06)*	1.61 (0.81;3.18)
SES	High	1	1	1
	Low	0.88 (0.79;0.99)*	0.86 (0.75;1.00)	0.93 (0.77;1.14)
Education	Elementary	1	1	1
	Secondary	0.87 (0.75;1.01)	0.91 (0.76;1.09)	0.83 (0.63;1.09)
	Advanced technical	0.86 (0.65;1.15)	0.92 (0.64;1.31)	0.89 (0.53;1.49)
	Higher	0.77 (0.60;0.98)*	0.77 (0.57;1.04)	0.88 (0.57;1.38)
Social overload	Low	1	1	1
	Average	1.24 (1.10;1.41)*	1.30 (1.11;1.52)*	1.16 (0.94;1.44)
	High	1.42 (1.20;1.68)*	1.49 (1.22;1.82)*	1.39 (1.02;1.90)*
Lack of social recognition	Low	1	1	1
	Average	1.08 (0.96;1.23)	0.95 (0.81;1.11)	1.36 (1.11;1.66)*
	High	1.16 (0.99;1.40)	1.07 (0.87;1.30)	1.39 (1.01;1.93)*
Chronic worrying	Low	1	1	1
	Average	1.82 (1.58;2.09)*	1.77 (1.48;2.12)*	1.94 (1.55;2.42)*
	High	2.89 (2.41;3.46)*	3.08 (2.46;3.85)*	2.35 (1.67;3.29)*
Stressful memories	Low	1	1	1
	Average	1.20 (1.04;1.38)*	1.09 (0.91;1.31)	1.43 (1.15;1.77)*
	High	1.13 (0.95;1.35)	1.05 (0.85;1.30)	1.34 (0.97;1.84)*

*: Indicates statistically significance at 95% level

Table S5: Adjusted odds ratios after multiple imputation (aOR) and 95% confidence intervals (95%CI) for job-related chronic stress outcomes using the Model 3 using only the students.

		Work discontent aOR (95%CI)	Work overload aOR (95%CI)
Clerk	No	1	1
	Yes	0.78 (0.62;0.97)*	1.07 (0.87;1.30)
Professionals and technicians	No	1	1
	Yes	0.89 (0.76;1.04)	0.96 (0.81;1.14)
Health professions	No	1	1
	Yes	0.81 (0.67;0.98)*	1.22 (1.02;1.47)*
Plant machine operators	No	1	1
	Yes	0.79 (0.65;0.96)*	0.93 (0.77;1.13)
Elementary occupations	No	1	1
	Yes	0.91 (0.68;1.20)	0.93 (0.72;1.20)
Follow-up	SOLAR I	1	1
	SOLAR II	0.73 (0.34;1.57)	1.53 (0.85;2.76)
Sex	Man	1	1
	Woman	0.82 (0.72;0.95)*	1.35 (1.18;1.56)*
Having children	No	1	1
	Yes	0.88 (0.59;1.30)	1.43 (0.96;2.14)
SES	High	1	1
	Low	0.96 (0.83;1.10)	0.85 (0.74;0.98)*
Education	Elementary	1	1
	Secondary	0.69 (0.58;0.83)*	0.86 (0.72;1.02)
	Advanced technical	0.75 (0.34;1.67)	0.98 (0.52;1.82)
	Higher	0.67 (0.31;1.45)	0.81 (0.44;1.47)
Social overload	Low	1	1
	Average	1.09 (0.94;1.27)	1.31 (1.12;1.52)*
	High	1.25 (1.01;1.54)	1.55 (1.27;1.90)*
Lack of social recognition	Low	1	1
	Average	1.39 (1.19;1.61)*	1.05 (0.91;1.22)
	High	2.05 (1.67;2.52)*	1.13 (0.91;1.38)
Chronic worrying	Low	1	1
	Average	1.49 (1.26;1.77)*	1.98 (1.67;2.35)*
	High	1.95 (1.58;2.42)*	3.64 (2.94;4.52)*
Stressful memories	Low	1	1
	Average	1.22 (1.03;1.44)*	1.25 (1.06;1.48)*
	High	1.07 (0.87;1.33)	1.07 (0.86;1.32)

*: Indicates statistically significance at 95% level

**: No participants with elementary education