

Revealing the Confluences: Workplace Bullying, Suicidality, and Their Links to Depression

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Supplement Table 1. Comparison of included and excluded participants

Characteristics	Participants excluded (n=1,079)		Participants included (n=12,541)	
	Number (%)	Mean±SD	Number (%)	Mean±SD
Age (years)	1,079	35.98±9.71	12,541	36.70±9.10
Age distribution	1,079		12,541	
19-29	367 (34.0)		3,338 (26.6)	
30-49	600 (55.6)		7,845 (62.6)	
50-65	112 (10.4)		1,358 (10.8)	
Sex	1,079		12,541	
Male	744 (69.0)		7889(62.9)	
Female	335 (31.0)		4652(37.1)	
Education (graduate)	855		12,541	
High school or below	167 (19.5)		1,305 (10.4)	
College graduate	151 (17.7)		1,606 (12.8)	
University graduate	403 (47.1)		7,743 (61.7)	
Master's degree	102 (11.9)		1,590 (12.7)	
Doctorate degrees	32 (3.7)		297 (2.4)	
Marital status	855		12,541	
Married	371 (43.4)		5,437 (43.4)	
Unmarried	459 (53.7)		6,858 (54.7)	
Other	25 (2.9)		246 (2.0)	
Type of Job	1,079		12,541	
Government and public	871 (80.7)		8,460 (67.5)	
Private	208 (19.3)		4,081 (32.5)	
Years of service (years)	1,079	9.83±9.09	12,541	9.87±8.77
Hours of work per week (hours)	1,079	46.11±7.34	12,541	46.97±7.57
Monthly earned income (million won)	23		12,541	
< 3	14 (60.9)		3,910 (31.2)	
3-4	5 (21.7)		3,336 (26.6)	
4-6	3 (13.1)		3,311 (26.4)	
> 6	1 (4.3)		1,984 (15.8)	
CES-D score	1,079	14.35±10.08	12,541	15.01±10.12

Depression	1,079	12,541
No	648 (60.1)	7,574 (58.6)
Yes	431 (39.9)	5,187 (41.4)
Burnout (exhaustion)	152 (14.6)	2,324 (18.2)
Burnout (cynicism)	83 (8.0)	1,271 (10.1)
Workplace bullying	1,042	12,541
Not bullied	987 (94.7)	10,837 (86.4)
Occasionally bullied	46 (4.4)	1,454 (11.6)
Frequently bullied	9 (0.9)	250 (2.0)
Suicidal ideation	1,079	12,541
No	929(86.1)	10,673 (85.1)
Yes	150(13.9)	1,868 (14.9)
Suicide attempt	1,079	12,541
No	1058 (98.1)	12,465 (99.4)
Yes	21 (1.9)	76 (0.6)

Data are presented as mean $\pm$ standard deviation (SD) or number (percentage, %). Percentages are calculated based on column totals. CES-D, Center for Epidemiological Studies Depression.

Supplement Table 2 Sensitivity Analysis for Workplace Bullying and Suicidal Ideation:
Exploring the Impact of Missing Data

Workplace bullying	Odds ratio (95% confidence interval, CI)			
	Model 1	Model 2	Model 3	Model 4
Not bullied	Ref	Ref	Ref	Ref
Occasionally bullied	2.83(2.37-3.39)	2.77(2.32-3.32)	2.75(2.29-3.29)	1.40(1.27-1.69)
Frequently bullied	3.35(2.39-4.70)	3.18(2.26-4.46)	3.12(2.21-4.40)	1.41(0.99-2.03)
C statistics (95% CI)	0.54(0.53-0.56)	0.63(0.62-0.65)	0.64(0.63-0.66)	0.79(0.78-0.80)

All odds ratios with p values less than 0.05 are presented in bold.

Model 1: Univariate models.

Model 2: Adjusted for Socio-demographic factors (age, gender, marital status, education)

Model 3: Model 2 + Job-related demographic factors (type of job, working hours, job duration, and monthly income)

Model 4: Model 3 + Clinical characteristics factors (depression, exhaustion, and cynicism)