

Bivariate Analysis between Significant Factors and the Three Main Fatigue Outcomes ($n = 451$). Note that an underlined cell reflects that the independent variable is statistically significant for a given outcome.

(SF - Seldom Fatigued, FF - Frequently Fatigued; WNI - Work Not Impacted by Fatigue, WI - Work Impacted by Fatigue)

Variables	Fatigue Frequency at Work (FFW)				Most Fatigued Level (MFL)				Fatigue Impact on Work (FIW)			
	SF	FF	Mean Diff (95%CI)	Odds Ratio (95%CI)	Not-Fatigued	Fatigued	Mean Diff(95%CI)	Odds Ratio (95%CI)	WNI	WI	Mean Diff(95%CI)	Odds Ratio (95%CI)
Age	46.6 (10.4)	49.7 (9.8)	<u>-3.1 (-4.9, -1.2)</u>	–	46.5 (10.2)	49.6 (9.9)	<u>-3.2 (-5.1, -1.3)</u>	–	47.3 (10.5)	50.1 (9.2)	<u>-2.8 (-4.7, -.8)</u>	–
<i>Alcohol use</i>												
0-1 unit	58.8 (49.4)	47.6 (50.6)	–	1	58.9 (47.3)	47.9 (52.7)	–	1	55.0 (67.1)	48.1 (32.9)	–	1
1-2 units	13.1 (48.1)	11.1 (51.9)	–	1.05 (.58, 1.90)	13.7 (48.1)	10.7 (51.9)	–	.97 (.53, 1.74)	12.5 (66.7)	11.1 (33.3)	–	1.02 (.54, 1.91)
3-6 units	15.1 (33.3)	23.8 (66.7)	–	<u>1.95 (1.18, 3.24)</u>	14.2 (30.0)	24.1 (70.0)	–	<u>2.09 (1.25, 3.51)</u>	18.3 (58.9)	22.8 (41.1)	–	1.42 (.86, 2.35)
7-9 units	5.0 (33.3)	7.9 (66.7)	–	1.95 (.88, 4.34)	5.3 (33.3)	7.7 (66.7)	–	1.79 (.81, 3.99)	6.2 (60.0)	7.4 (40.0)	–	1.36 (.62, 2.96)
>9 units	8.0 (40.0)	9.5 (60.0)	–	1.46 (.74, 2.89)	7.9 (37.5)	9.6 (62.5)	–	1.49 (.75, 2.97)	8.0 (57.5)	10.5 (42.5)	–	1.51 (.76, 2.98)
<i>Length of time in position</i>												
<= 6 months	8.0 (61.5)	4.0 (38.5)	–	1	8.4 (61.5)	3.8 (38.5)	–	1	7.6 (84.6)	2.5 (15.4)	–	1
7-12 months	5.5 (47.8)	4.8 (52.2)	–	1.75 (.56, 5.44)	4.7 (39.1)	5.4 (60.9)	–	2.49 (.79, 7.87)	4.5 (56.5)	6.2 (43.5)	–	4.23 (1.10, 16.27)
1-5 years	35.7 (46.7)	32.1 (53.3)	–	1.83 (.78, 4.28)	34.7 (43.4)	33.0 (56.6)	–	2.09 (.89, 4.89)	36.0 (68.4)	29.6 (31.6)	–	2.54 (.83, 7.77)
5-10 years	13.1 (40.0)	15.5 (60.0)	–	2.40 (.94, 6.10)	14.2 (41.5)	14.6 (58.5)	–	2.25 (.89, 5.72)	14.9 (66.2)	13.6 (33.8)	–	2.81 (.86, 9.18)
>10 years	37.7 (40.5)	43.7 (59.5)	–	<u>2.35 (1.01, 5.45)</u>	37.9 (38.9)	43.3 (61.1)	–	<u>2.51 (1.08, 5.84)</u>	37.0 (57.8)	48.1 (42.2)	–	<u>4.01 (1.33, 12.10)</u>
Hours of sleep	6.0 (1.1)	6.3 (1.1)	<u>-.3 (-.5, -.1)</u>	–	6.0 (1.1)	6.3 (1.1)	<u>-.3 (-.5, -.1)</u>	–	6.1 (1.0)	6.2 (1.1)	<u>-.1 (-.3, .1)</u>	–
Work hours per week	51.8 (11.1)	50.1 (9.1)	1.7 (-.2, 3.6)	–	52.0 (11.2)	50.0 (9.1)	<u>2.0 (.1, 3.9)</u>	–	50.9 (10.2)	50.7 (9.8)	.2 (-.2, 2.2)	–
<i>Rotate shift</i>												
No	31.2 (35.4)	44.8 (64.6)	–	1	28.9 (31.4)	46.0 (68.6)	–	1	38.8 (64.0)	38.9 (36.0)	–	1
Yes	68.6 (49.6)	55.2 (50.4)	–	<u>.56 (.38, .82)</u>	71.1 (48.9)	54.0 (68.6)	–	<u>.48 (.32, .71)</u>	61.2 (64.1)	61.1 (35.9)	–	<u>.99 (.67, 1.48)</u>
Repetitive assembly/processing	5.5 (18.8)	29.7 (34.6)	<u>-24.3 (-29.6, -18.9)</u>	–	5.6 (19.6)	28.8 (34.2)	<u>-23.3 (-28.7, -17.8)</u>	–	12.4 (26.6)	30.8 (35.0)	<u>-18.3 (-24.1, -12.6)</u>	–
Equipment operation	4.0 (16.1)	37.0 (38.3)	<u>-33.0 (-38.7, -27.3)</u>	–	3.4 (13.5)	36.3 (38.6)	<u>-32.9 (-38.7, -27.2)</u>	–	13.7 (30.0)	38.0 (36.9)	<u>-24.2 (-30.5, -17.9)</u>	–
Overhead work	2.6 (10.2)	20.5 (22.9)	<u>-17.9 (-21.4, -14.5)</u>	–	3.1 (11.9)	19.5 (22.5)	<u>-16.4 (-19.9, -12.9)</u>	–	7.3 (16.4)	21.9 (23.4)	<u>-14.6 (-18.3, -10.9)</u>	–
Maintenance	5.3 (18.5)	44.8 (39.5)	<u>-39.5 (-45.5, -33.6)</u>	–	5.2 (18.5)	43.5 (39.5)	<u>-38.4 (-44.4, -32.3)</u>	–	16.2 (30.7)	47.2 (40.4)	<u>-31.0 (-37.6, -24.4)</u>	–
Material handling/ lifting	5.5 (17.8)	36.8 (33.5)	<u>-31.2 (-36.4, -26.1)</u>	–	5.3 (17.7)	35.9 (33.4)	<u>-30.6 (-35.8, -25.4)</u>	–	13.9 (26.6)	39.2 (33.7)	<u>-25.3 (-31.0, -19.7)</u>	–