**SUPPLEMENTAL TABLES FOR ONLINE ONLY**

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| **Table S1.** Logistic regression models for pain interference (no interference/mild pain interference vs. moderate/severe pain interference) without pain intensity level as a predictor. | | | | |
|  | **PSS categorized** | | **PSS continuous** | |
| Variables | OR (95% CI) | p-value | OR (95% CI) | p-value |
| PSS 1st Quartile (scores 0-11) | 1 (N/A) | N/A | - | - |
| PSS 2nd Quartile (scores 12-16) | 5.22 (1.60-17.04) | 0.006 | - | - |
| PSS 3rd Quartile (scores 17-22) | 7.39 (2.25-24.28) | 0.001 | - | - |
| PSS 4th Quartile (scores 23-50) | 8.99 (2.75-29.40) | <0.001 | - | - |
| PSS continuous (per unit) | - | - | 1.08 (1.04-1.13) | <0.001 |
| Age years | 0.91 (0.86-0.97) | 0.005 | 0.92 (0.87-0.98) | 0.009 |
| Sex | 1.10 (0.56-2.19) | 0.78 | 1.03 (0.52-2.02) | 0.94 |
| Race - African American | 0.95 (0.44-2.03) | 0.89 | 0.95 (0.44-2.02) | 0.89 |
| Race – Other | 2.71 (0.84-9.76) | 0.096 | 2.56 (0.83-7.89) | 0.10 |
| Alcohol – 2nd tertile | 0.67 (0.33-1.38) | 0.28 | 0.73 (0.36-1.48) | 0.38 |
| Alcohol – 3rd quartile | 0.37 (0.17-0.82) | 0.014 | 0.40 (0.18-0.87) | 0.021 |
| Depressive symptoms | 1.25 (0.97-1.61) | 0.087 | 1.27 (0.99-1.62) | 0.063 |
| VIQ | 1.01 (0.99-1.04) | 0.29 | 1.01 (0.99-1.04) | 0.33 |
| Free Recall | 0.95 (0.91-1.00) | 0.054 | 0.96 (0.91-1.01) | 0.084 |
| WRAT3 | 0.93 (0.80-1.09) | 0.37 | 0.92 (0.79-1.08) | 0.31 |
| Trails B | 1.00 (1.00-1.01) | 0.089 | 1.00 (1.00-1.01) | 0.089 |
| Diabetes | 0.91 (0.44-1.88) | 0.80 | 0.96 (0.47-1.96) | 0.90 |
| Osteoarthritis | 3.77 (1.80-7.93) | <0.001 | 3.68 (1.77-7.67) | <0.001 |
| Myocardial Infarction | 0.97 (0.26-3.58) | 0.96 | 0.90 (0.24-3.27) | 0.87 |
| COPD | 2.03 (0.77-5.30) | 0.15 | 2.04 (0.78-5.31) | 0.14 |
| Congestive Heart Failure | 1.71 (0.45-6.51) | 0.43 | 2.00 (0.53-7.59) | 0.31 |

**Table S1.** OR of participant characteristics predicting pain interference (without including pain intensity as a predictor) in our logistic regression models, (on the left PSS categorized or on the right PSS continuous) are presented with confidence intervals and p-values. Models include demographic factors and medical history variables with bivariate testing results with pain interference <0.25. Caucasian race and first tertile of alcohol consumption were used for reference groups, respectively.

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| **Table S2.** Logistic regression models for pain interference (no interference/mild pain interference vs. moderate/severe pain interference) with pain intensity included as a predictor. | | | | |
|  | **PSS categorized** | | **PSS continuous** | |
| Variables | OR (95% CI) | p-value | OR (95% CI) | p-value |
| PSS 1st Quartile (scores 0-11) | 1 (N/A) | N/A | - | - |
| PSS 2nd Quartile (scores 12-16) | 5.13 (1.36-19.44) | 0.016 | - | - |
| PSS 3rd Quartile (scores 17-22) | 5.87 (1.50-22.97) | 0.011 | - | - |
| PSS 4th Quartile (scores 23-50) | 7.32 (1.90-28.26) | 0.004 | - | - |
| PSS continuous (per unit) | - | - | 1.07 (1.02-1.13) | 0.008 |
| Age years | 0.92 (0.85-0.99) | 0.019 | 0.92 (0.86-0.99) | 0.027 |
| Sex | 0.77 (0.33-1.77) | 0.54 | 0.71 (0.31-1.61) | 0.41 |
| Race - African American | 0.79 (0.32-1.94) | 0.60 | 0.76 (0.31-1.85) | 0.54 |
| Race – Other | 5.48 (1.41-21.29) | 0.014 | 5.18 (1.38-19.43) | 0.015 |
| Moderate/severe pain intensity | 19.87 (8.86-44.55) | <0.001 | 20.32 (9.13-45.21) | <0.001 |
| Alcohol – 2nd tertile | 0.76 (0.33-1.79) | 0.54 | 0.79 (0.34-1.83) | 0.58 |
| Alcohol – 3rd quartile | 0.40 (0.38-2.04) | 0.051 | 0.43 (0.17-1.07) | 0.071 |
| Depressive symptoms | 1.36 (0.99-1.87) | 0.058 | 1.42 (1.05-1.93) | 0.024 |
| VIQ | 1.01 (0.98-1.04) | 0.37 | 1.01 (0.98-1.04) | 0.41 |
| Free Recall | 0.94 (0.89-1.00) | 0.047 | 0.95 (0.90-1.01) | 0.088 |
| WRAT3 | 0.88 (0.72-1.08) | 0.22 | 0.89 (0.72-1.08) | 0.23 |
| Trails B | 1.00 (1.00-1.01) | 0.18 | 1.00 (1.00-1.01) | 0.17 |
| Diabetes | 0.88 (0.38-2.04) | 0.77 | 0.92 (0.40-2.11) | 0.84 |
| Osteoarthritis | 2.97 (1.24-7.12) | 0.015 | 2.76 (1.17-6.50) | 0.020 |
| Myocardial Infarction | 1.10 (0.24-4.93) | 0.90 | 1.00 (0.22-4.62) | <0.99 |
| COPD | 1.51 (0.49-4.66) | 0.48 | 1.43 (0.46-4.46) | 0.54 |
| Congestive Heart Failure | 0.84 (0.18-3.87) | 0.83 | 0.97 (0.22-4.30) | 0.96 |

**Table S2.** OR of participant characteristics predicting pain interference (with including pain intensity as a predictor) in our logistic regression models, (on the left PSS categorized or on the right PSS continuous) are presented with confidence intervals and p-values. Models include demographic factors and medical history variables with bivariate testing results with pain interference <0.25. Caucasian race and first tertile of alcohol consumption were used for reference groups, respectively.