

Table S4. Negative Binomial Regression Models for Presenteeism

| | Rate Ratio (95% CI) | | | | |
|--|----------------------|----------------------|----------------------|----------------------|----------------------|
| | Model 1 | Model 2 | Model 3 | Model 4 | Model 5 |
| MHDs (reference ≤ 3 MHDs) | | | | | |
| 4–7 | 2.32 (2.04, 2.64) | – | 2.26 (1.99, 2.57) | 2.27 (2.00, 2.58) | 2.10 (1.81, 2.44) |
| 8–14 | 4.04 (3.48, 4.68) | – | 3.86 (3.34, 4.46) | 3.76 (3.25, 4.35) | 3.47 (2.92, 4.12) |
| ≥ 15 | 6.44 (5.49, 7.56) | – | 5.70 (4.85, 6.69) | 5.64 (4.80, 6.63) | 5.13 (4.23, 6.22) |
| mTOQ-5 score (reference: 5) | | | | | |
| 4 | – | 1.73 (1.48, 2.02) | 1.32 (1.15, 1.52) | 1.27 (1.11, 1.47) | 1.30 (1.10, 1.54) |
| 3 | – | 2.07 (1.75, 2.44) | 1.68 (1.45, 1.95) | 1.65 (1.42, 1.91) | 1.69 (1.42, 2.00) |
| 2 | – | 2.13 (1.76, 2.57) | 1.60 (1.35, 1.89) | 1.57 (1.33, 1.86) | 1.53 (1.25, 1.88) |
| ≤ 1 | – | 2.84 (2.33, 3.45) | 1.95 (1.63, 2.32) | 1.88 (1.57, 2.25) | 1.63 (1.32, 2.02) |
| Female (reference: male) | – | – | – | 0.95 (0.84, 1.08) | 0.89 (0.76, 1.03) |
| Annual household income (reference: <\$30,000) | | | | | |
| \$30,000–\$49,999 | – | – | – | 1.04 (0.85, 1.27) | 0.96 (0.76, 1.21) |

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|--|---|---|---|----------------------|----------------------|
| \$50,000–\$74,999 | – | – | – | 0.94 (0.77, 1.15) | 0.90 (0.72, 1.14) |
| ≥\$75,000 | – | – | – | 0.92 (0.75, 1.11) | 0.88 (0.70, 1.10) |
| Race (reference: White only) | | | | | |
| Black only | – | – | – | 1.18 (1.02, 1.36) | 1.21 (1.01, 1.43) |
| Other race | – | – | – | 0.89 (0.72, 1.11) | 0.81 (0.61, 1.07) |
| ≥2 races | – | – | – | 1.22 (0.93, 1.61) | 1.05 (0.75, 1.47) |
| Ethnicity, Hispanic/Latinx (reference: not Hispanic/Latinx) | | | | | |
| | – | – | – | 1.16 (1.01, 1.33) | 1.10 (0.94, 1.30) |
| Education (reference: high school or less) | | | | | |
| Some college, technical school, or technical school degree | – | – | – | 1.04 (0.87, 1.23) | 1.07 (0.87, 1.31) |
| 4-year college degree | – | – | – | 1.04 (0.87, 1.25) | 1.03 (0.84, 1.26) |
| Post-college degree | – | – | – | 1.10 (0.90, 1.35) | 1.05 (0.83, 1.33) |
| Health insurance, yes (reference: no) | | | | | |
| | – | – | – | 0.98 (0.78, 1.22) | 0.90 (0.70, 1.15) |
| Age (10-year intervals) | – | – | – | 0.89 | 0.90 |

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|---|---|---|---|--------------|----------------------|
| | | | | (0.85, 0.93) | (0.85, 0.95) |
| BMI | – | – | – | 1.01 | 1.01 |
| | | | | (1.00, 1.01) | (1.00, 1.02) |
| Allodynia, yes (ASC ≥3; reference: ASC <3) | – | – | – | – | 1.38 (1.21, 1.56) |
| Migraine symptom severity (MSSS score) | – | – | – | – | 1.04 (1.02, 1.06) |

ASC, Allodynia Symptom Checklist; BMI, body mass index; GAD-7, Generalized Anxiety Disorder 7-item scale; MHDs, monthly headache days; MIDAS, Migraine Disability Assessment; MSSS, Migraine Symptom Severity Scale; mTOQ-5, 5-item Migraine Treatment Optimization Questionnaire; PHQ-9, 9-item Patient Health Questionnaire.