

Supplementary material to article by B. Larsson et al.. “Predictors of chronic pain intensity, spread and sensitivity in the general population: A two-year follow-up study from the Swepain Cohort”

**Table SI.** Distribution of the number of anatomical pain sites in different categories at baseline (T0) and at 2-year follow-up (T1)

| Number of anatomical pain sites; mean (95% CI) | LP            | RP-Medium     | RP-Heavy      | WSP              |
|------------------------------------------------|---------------|---------------|---------------|------------------|
| T0                                             | 1.6 (1.5–1.6) | 4.1 (4.1–4.2) | 8.6 (8.5–8.7) | 13.3 (12.9–13.7) |
| T1                                             | 1.6 (1.5–1.6) | 4.1 (4.1–4.2) | 8.5 (8.3–8.6) | 13.1 (12.6–13.6) |

CI: confidence interval; LP: local pain, RP-medium: Regional Pain-Medium; RP-heavy: Regional Pain-Heavy; WSP: widespread pain.

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**Table SII.** Sensitivity analysis in multivariable model 2: baseline predictors (T0) for pain intensity, pain spread, and pain sensitivity at 2-year follow-up (T1) treated spread of pain as an ordinal covariate

| Baseline predictors                                        | Multivariable 2 (Pain intensity T1) |              |                  | Multivariable 2 (Pain spreading T1) |              |                  | Multivariable 2 (Pain sensitivity T1) |              |                  |
|------------------------------------------------------------|-------------------------------------|--------------|------------------|-------------------------------------|--------------|------------------|---------------------------------------|--------------|------------------|
|                                                            | Estimate (B)                        | 95% CI       | p-value          | Estimate (OR)                       | 95% CI       | p-value          | Estimate (B)                          | 95% CI       | p-value          |
| Pain intensity                                             | 0.43                                | 0.40, 0.47   | <b>&lt;0.001</b> | 1.16                                | 1.12, 1.19   | <b>&lt;0.001</b> | -0.14                                 | -0.03, 0.01  | 0.142            |
| Pain spreading (vs no pain)                                |                                     |              |                  |                                     |              |                  |                                       |              |                  |
| WSP                                                        | 0.44                                | -0.06, 0.94  | 0.083            | 46.92                               | 27.19, 80.98 | <b>&lt;0.001</b> | 0.16                                  | -0.12, 0.44  | 0.274            |
| RPH                                                        | 0.17                                | -0.28, 0.62  | 0.458            | 12.76                               | 7.91, 20.55  | <b>&lt;0.001</b> | -0.04                                 | -0.29, 0.20  | 0.732            |
| RPM                                                        | 0.09                                | -0.34, 0.52  | 0.671            | 3.06                                | 1.97, 4.75   | <b>&lt;0.001</b> | -0.07                                 | -0.30, 0.16  | 0.550            |
| LP                                                         | -0.05                               | -0.47, 0.38  | 0.822            | 1.27                                | 0.82, 1.96   | 0.281            | -0.05                                 | -0.28, 0.18  | 0.674            |
| Pain sensitivity                                           | 0.08                                | 0.04, 0.11   | <b>&lt;0.001</b> | 1.04                                | 0.99, 1.08   | 0.062            | 0.71                                  | 0.69, 0.74   | <b>&lt;0.001</b> |
| Age, years                                                 | -0.01                               | -0.01, 0.01  | 0.422            | 1.00                                | 0.99, 1.01   | 0.834            | 0.00                                  | -0.01, 0.01  | 0.273            |
| Sex (female/male <sup>a</sup> )                            | 0.14                                | 0.02, 0.26   | <b>0.021</b>     | 1.46                                | 1.29, 1.65   | <b>&lt;0.001</b> | 0.02                                  | -0.05, 0.09  | 0.553            |
| Marital status (married/other <sup>a</sup> )               | 0.06                                | -0.02, 0.14  | 0.150            | 0.93                                | 0.85, 1.01   | 0.085            | 0.01                                  | -0.03, 0.06  | 0.567            |
| Educational level (university/other <sup>a</sup> )         | -0.13                               | -0.22, -0.05 | <b>0.001</b>     | 0.99                                | 0.92, 1.08   | 0.929            | -0.01                                 | -0.05, 0.04  | 0.831            |
| Employment (unemployed/employed <sup>a</sup> )             | 0.02                                | -0.12, 0.15  | 0.799            | 0.91                                | 0.79, 1.05   | 0.191            | 0.04                                  | -0.04, 0.12  | 0.363            |
| Country of birth (abroad/Sweden <sup>a</sup> )             | -0.01                               | -0.21, 0.19  | 0.919            | 0.95                                | 0.77, 1.77   | 0.650            | 0.28                                  | 0.17, 0.41   | <b>&lt;0.001</b> |
| Household income, Euros per year                           | -0.04                               | -0.09, 0.02  | 0.173            | 0.97                                | 0.92, 1.03   | 0.276            | -0.01                                 | -0.04, 0.02  | 0.536            |
| Traumatic injuries (yes/no <sup>a</sup> )                  | 0.24                                | 0.10, 0.38   | 0.001            | 1.57                                | 1.35, 1.83   | <b>&lt;0.001</b> | -0.09                                 | -0.17, -0.01 | 0.045            |
| Rheumatoid arthritis/osteoarthritis (yes/no <sup>a</sup> ) | 0.11                                | -0.01, 0.25  | 0.084            | 1.50                                | 1.32, 1.71   | <b>&lt;0.001</b> | -0.03                                 | -0.10, 0.05  | 0.500            |
| Cardiovascular disorders (yes/no <sup>a</sup> )            | 0.22                                | 0.09, 0.36   | <b>0.001</b>     | 0.94                                | 0.81, 1.08   | 0.382            | 0.03                                  | -0.11, 0.05  | 0.448            |
| Pulmonary disorders (yes/no <sup>a</sup> )                 | 0.22                                | 0.05, 0.39   | <b>0.010</b>     | 1.02                                | 0.85, 1.21   | 0.838            | -0.02                                 | -0.12, 0.08  | 0.694            |
| Gastrointestinal disorders (yes/no <sup>a</sup> )          | 0.12                                | -0.02, 0.25  | 0.074            | 1.38                                | 1.20, 1.59   | <b>&lt;0.001</b> | 0.01                                  | -0.07, 0.09  | 0.865            |
| Disorders of the CNS (yes/no <sup>a</sup> )                | -0.02                               | -0.14, 0.11  | 0.816            | 1.15                                | 1.01, 1.31   | <b>0.040</b>     | 0.01                                  | -0.07, 0.08  | 0.867            |
| Urogenital disorders (yes/no <sup>a</sup> )                | 0.05                                | -0.19, 0.28  | 0.717            | 1.04                                | 0.81, 1.33   | 0.759            | -0.06                                 | -0.19, 0.08  | 0.424            |
| Skin diseases (yes/no <sup>a</sup> )                       | 0.01                                | -0.15, 0.17  | 0.913            | 1.10                                | 0.93, 1.30   | 0.257            | 0.02                                  | -0.07, 0.12  | 0.585            |
| Tumours and cancer (yes/no <sup>a</sup> )                  | 0.14                                | -0.17, 0.45  | 0.375            | 0.93                                | 0.67, 1.28   | 0.656            | 0.21                                  | 0.04, 0.39   | <b>0.017</b>     |
| Metabolic disorders (yes/no <sup>a</sup> )                 | 0.03                                | -0.13, 0.19  | 0.715            | 1.13                                | 0.95, 1.34   | 0.164            | 0.13                                  | 0.03, 0.22   | <b>0.012</b>     |
| Depression (yes/no <sup>a</sup> )                          | 0.13                                | -0.02, 0.27  | 0.085            | 1.15                                | 0.99, 1.34   | 0.074            | 0.04                                  | -0.05, 0.13  | 0.384            |

<sup>a</sup>Reference category.

B: unstandardized regression coefficient; CI: Wald confidence interval; OR: odds ratio; CNS: central nervous system. multivariable 2: all baseline variables from multivariable model 1, including baseline pain dimensions. Significant differences in bold.