

**BMCAdditionalfile3 Prevalence of extremity pain by sex by family structure and, by sex by family affluence in Icelandic schoolchildren**

|                                | Frequency of Extremity Pain (%) |                       |             |                       |                 | Chi Squared (df) | p-value     |
|--------------------------------|---------------------------------|-----------------------|-------------|-----------------------|-----------------|------------------|-------------|
|                                | Almost Daily                    | More than once a week | Once a week | At least once a month | Rarely or never |                  |             |
| <b>Sex by Family Structure</b> |                                 |                       |             |                       |                 |                  |             |
| Both parents                   |                                 |                       |             |                       |                 |                  |             |
| Boys (n=3545)                  | 3.9                             | 6.0                   | 11.1        | 18.2                  | 60.8            | 10.9(4)          | <b>.028</b> |
| Girls (n=3592)                 | 4.8                             | 7.5                   | 10.1        | 18.1                  | 59.5            |                  |             |
| Stepparents                    |                                 |                       |             |                       |                 |                  |             |
| Boys (n=660)                   | 6.1                             | 6.5                   | 8.9         | 21.5                  | 57.0            | 7.7(4)           | <b>ns</b>   |
| Girls (n=708)                  | 4.8                             | 7.5                   | 12.6        | 18.1                  | 57.1            |                  |             |
| Single parent                  |                                 |                       |             |                       |                 |                  |             |
| Boys (n=792)                   | 3.7                             | 7.8                   | 9.6         | 17.8                  | 61.1            | 11.6(4)          | <b>.021</b> |
| Girls (n=734)                  | 6.9                             | 9.5                   | 8.4         | 18.9                  | 56.1            |                  |             |
| Other arrangement              |                                 |                       |             |                       |                 |                  |             |
| Boys (n=98)                    | 14.3                            | 4.1                   | 12.2        | 10.2                  | 59.2            | 4.1(4)           | <b>ns</b>   |
| Girls (n=76)                   | 13.2                            | 7.9                   | 11.8        | 18.4                  | 48.7            |                  |             |

|                                |     |     |      |      |      |        |             |
|--------------------------------|-----|-----|------|------|------|--------|-------------|
| <b>Sex by Family Affluence</b> |     |     |      |      |      |        |             |
| <u>Low</u>                     |     |     |      |      |      |        |             |
| Boys<br>(n=1197)               | 5.4 | 6.1 | 10.3 | 17.1 | 61.1 | 2.9(4) | <b>ns</b>   |
| Girls<br>(n=1385)              | 5.8 | 7.5 | 10.1 | 17.8 | 58.7 |        |             |
| <u>Medium</u>                  |     |     |      |      |      |        |             |
| Boys<br>(n=2335)               | 4.2 | 6.8 | 10.7 | 17.9 | 60.4 | 4.4(4) | <b>ns</b>   |
| Girls<br>(n=2346)              | 4.7 | 7.6 | 10.7 | 19.2 | 57.7 |        |             |
| <u>High</u>                    |     |     |      |      |      |        |             |
| Boys<br>(n=1236)               | 3.8 | 5.6 | 10.8 | 21.4 | 58.5 | 14.6   | <b>.006</b> |
| Girls<br>(n=1145)              | 5.3 | 8.0 | 10.0 | 17.0 | 59.7 |        |             |