**Appendix** **1.**

Factors associated with back pain using a categorical Cobb angle variable with a cutoff at 20°

|  |  |  |  |
| --- | --- | --- | --- |
| Factors associated with back pain | Current back pain | Back pain in the last 12 months | Chronic back pain in the last 12 months |
| Odds ratio | 95% CI | p value | Odds ratio | 95% CI | p value | Odds ratio | 95% CI | p value |
| Age | 1.20 | 1.04-1.39 | 0.011 | 1.42 | 1.25-1.61 | < 0.001 | 1.22 | 1.00-1.49 | 0.048 |
| Female | ----- | ----- | ----- | 1.75 | 1.10-2.78 | 0.018 | ----- | ----- | ----- |
| Wearing a brace | ----- | ----- | ----- | ----- | ----- | ----- | 2.57  | 1.33-4.98 | 0.005 |
| Subthreshold or severe insomnia  | 1.74 | 1.07-2.82 | 0.025 | 2.02 | 1.32-3.09 | 0.001 | ----- | ----- | ----- |
| Moderate or severe daytime sleepiness  | 2.48 | 1.48-4.16 | 0.001 | ----- | ----- | ----- | 2.34 | 1.22-4.50 | 0.011 |

Dashed cells indicate variables that did not fit the model as covariates for the corresponding dependent variable of pain; CI = confidence interval.

Factors associated with back pain using a categorical Cobb angle variable with a cutoff at 30°

|  |  |  |  |
| --- | --- | --- | --- |
| Factors associated with back pain | Current back pain | Back pain in the last 12 months | Chronic back pain in the last 12 months |
| Odds ratio | 95% CI | p value | Odds ratio | 95% CI | p value | Odds ratio | 95% CI | p value |
| Age | 1.18 | 1.02-1.36 | 0.026 | 1.39 | 1.22-1.58 | < 0.001 | 1.22 | 1.00-1.49 | 0.049 |
| Female | ----- | ----- | ----- | 1.67 | 1.04-2.66 | 0.033 | ----- | ----- | ----- |
| Wearing a brace | ----- | ----- | ----- | ----- | ----- | ----- | 2.57  | 1.33-4.98 | 0.005 |
| Cobb angle > 30° at the main thoracic region | 1.83 | 1.06-3.15 | 0.030 | 1.74 | 1.07-2.84 | 0.025 | ----- | ----- | ----- |
| Subthreshold or severe insomnia  | 1.77 | 1.09-2.88 | 0.022 | 2.06 | 1.34-3.16 | 0.001 | ----- | ----- | ----- |
| Moderate or severe daytime sleepiness  | 2.41 | 1.49-4.21 | 0.001 | ----- | ----- | ----- | 2.34 | 1.22-4.50 | 0.011 |

Dashed cells indicate variables that did not fit the model as covariates for the corresponding dependent variable of pain; CI = confidence interval.