

Appendix 1. Composition of the Shoulder Job Exposure Matrix for five job groups with respect to upper arm elevation >90°. Technical measurements were obtained for four of the five job groups. [D-ISCO 88 = Danish version of ISCO 88; ISCO 88 = International Standard Classification of Occupations from 1988].

| Job group number | D-ISCO 88 code | ISCO-88 code | Occupational title | Sex | Expert bases job exposure (%time) | Predicted measured job exposure (% time) | Measured job exposure (%time) | SD (%time) | Number of measurements (n) |
|-------------------------|-----------------------|---------------------|---------------------------|------------------|--|---|--------------------------------------|-------------------|-----------------------------------|
| 43 | 4190 | 4190 | Office workers | Disregarding sex | 0.00 | 0.5 | 0.30 | - | 43 |
| | | | | Men | 0.00 | 0.7 | 0.38 | 0.44 | 18 |
| | | | | Women | 0.00 | 0.2 | 0.21 | 0.39 | 25 |
| 54 | 5141 | 5141 | Hair dressers | Disregarding sex | 20.00 | 3.7 | - | - | 0 |
| | | | | Men | 20.00 | 3.9 | - | - | 0 |
| | | | | Women | 20.00 | 3.2 | 2.96 | 1.84 | 20 |
| 92 | 7231 | 7231 | Car mechanics | Disregarding sex | 26.67 | 4.8 | - | - | 0 |
| | | | | Men | 26.67 | 5.0 | 5.34 | 2.76 | 10 |
| | | | | Women | 26.67 | 4.2 | - | - | 0 |
| 134 | 8253 | 8253 | Cardboard workers | Disregarding sex | 4.00 | 1.1 | 1.92 | - | 20 |
| | | | | Men | 4.00 | 1.3 | 2.86 | 2.72 | 10 |
| | | | | Women | 4.00 | 0.8 | 0.97 | 1.15 | 10 |
| 155 | 9142 | 9142 | Window cleaners | Disregarding sex | 28.00 | 5.0 | - | - | 0 |
| | | | | Men | 28.00 | 5.2 | - | - | 0 |
| | | | | Women | 28.00 | 4.4 | - | - | 0 |