

Table 1. Baseline characteristics of the patient and their associations with the rate of return to work after total knee arthroplasty. Hazard ratios and their 95% confidence intervals are derived from Cox proportional hazard analyses

| | TKA | Separately analyzed* | | | Mutually adjusted | | |
|---|---------------|----------------------|--------------------------|---------|-------------------|--------------------------|----------|
| | n (%) | Hazard ratio | 95% Confidence intervals | P | Hazard ratio | 95% Confidence intervals | P |
| Age† (missing n=0) | 56.5 (SD 5.1) | 1.01 | 0.99, 1.03 | 0.58 | 1.01 | 0.99, 1.03 | 0.40 |
| Sex (missing n=0) | | | | | | | |
| Men | 90 (19.9) | 1.00 | 0.78, 1.29 | 0.99 | 1.13 | 0.84, 1.52 | 0.43 |
| Women | 362 (80.1) | 1.00 | | | 1.00 | | |
| Married or cohabiting (missing n=8) | | | | | | | |
| No | 108 (24.3) | 0.88 | 0.70, 1.11 | 0.26 | 0.94 | 0.72, 1.21 | 0.61 |
| Yes | 336 (75.7) | 1.00 | | | 1.00 | | |
| Obese (BMI >30kg/m ²) (missing n=16) | | | | | | | |
| No | 251 (57.6) | 1.12 | 0.91, 1.37 | 0.28 | 0.94 | 0.75, 1.18 | 0.60 |
| Yes | 185 (42.4) | 1.00 | | | 1.00 | | |
| Current smoking (missing n=16) | | | | | | | |
| No | 368 (84.4) | 1.06 | 0.80, 1.40 | 0.67 | 0.96 | 0.71, 1.30 | 0.80 |
| Yes | 68 (15.6) | 1.00 | | | 1.00 | | |
| High alcohol consumption (missing n=3) | | | | | | | |
| No | 397 (88.4) | 1.06 | 0.75, 1.48 | 0.75 | 1.23 | 0.85, 1.80 | 0.28 |
| Yes | 52 (11.6) | 1.00 | | | 1.00 | | |
| Comorbidities (missing n=0) | | | | | | | |
| No | 369 (81.6) | 1.26 | 0.97, 1.64 | 0.09 | 1.10 | 0.82, 1.48 | 0.51 |
| Yes | 83 (18.4) | 1.00 | | | 1.00 | | |
| Psychological distress (missing n=5) | | | | | | | |
| No | 322 (72.0) | 1.18 | 0.94, 1.47 | 0.16 | 1.15 | 0.90, 1.47 | 0.26 |
| Yes | 125 (28.0) | 1.00 | | | 1.00 | | |
| Self-rated health (missing n=5) | | | | | | | |
| Good | 191 (42.7) | 1.40 | 1.14, 1.72 | 0.0012 | 1.18 | 0.93, 1.50 | 0.19 |
| Poor | 256 (57.3) | 1.00 | | | 1.00 | | |
| Physically active (MET-hours over 14h/week) (missing n=5) | | | | | | | |
| Yes | 253 (56.6) | 1.12 | 0.92, 1.37 | 0.27 | 0.94 | 0.75, 1.18 | 0.61 |
| No | 194 (43.4) | 1.00 | | | 1.00 | | |
| Occupational status (missing n=4) | | | | | | | |
| Higher level non-manual | 82 (18.3) | 2.84 | 2.18, 3.71 | <0.0001 | 2.62 | 1.95, 3.52 | < 0.0001 |
| Lower level non-manual | 134 (29.9) | 1.50 | 1.19, 1.89 | 0.0006 | 1.49 | 1.15, 1.92 | 0.0023 |
| Manual | 232 (51.8) | 1.00 | | | 1.00 | | |
| Pre-operative sickness absence‡ (missing n=0) | | | | | | | |
| No | 322 (71.2) | 2.35 | 1.85, 2.99 | <0.0001 | 2.24 | 1.72, 2.92 | < 0.0001 |
| Yes | 130 (28.8) | 1.00 | | | 1.00 | | |
| Year of surgery (missing n=0) | | | | | | | |
| 2007-2011 | 277 (61.3) | 1.12 | 0.92, 1.38 | 0.27 | 1.16 | 0.93, 1.45 | 0.20 |
| 1998-2006 | 175 (38.7) | 1.00 | | | 1.00 | | |

* Age and sex adjusted if appropriate

† Increase in age

‡ >30 days of sickness absence within the 1-year period preceding the operation