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| **Variables** |
| Congenital heart disease | Migraine |
| Coronary heart disease | Cancer |
| Heart Attack | Gout  |
| Angina | Paget's disease |
| DVT | Bunions |
| VV | Medial epicondylitis |
| Hayfever | Lateral epicondylitis |
| Eczema | Acne |
| Sinusitis | Viral warts |
| Heartburn | Cold Sores |
| Crohns  | Hearing Loss |
| Irritable Bowel Syndrome | Tinnitus  |
| Diabetes  | Glaucoma |
| Dyslexia | Cataract  |
| Clinical Depression | Myopia |
| Anxiety | Age-related macular degeneration |
| Epilepsy | Urinary Incontinence  |
| Stroke | Polycystic ovarian syndrome |
| Motion Sickness | Frozen Shoulder  |
| Carpal Tunnel | Osteoporosis |
| Asthma |  |

**Supplementary Table 1:** Co-morbidities from general questionnaire

**Supplementary Table 2**: Factors found not significant for revision status (p >0.05).

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| **Variables** |
| Age first developed finger nodes | Back pain in past 3 months |
| Number of finger nodes L-hand | Body pain (lasting >24 hours) in past 3 months |
| Number of finger node R-hand | Finger nodes |
| Age first developed finger pain | Writing hand  |
| Age | Finger pain for 1 month  |
| BMI | Thumb pain |
| Menarche age | Mother OA |
| Menopause age | Mother TJR |
| Hysterectomy age | Father OA |
| Sex  | Father TJR |
| Smoker  | Sibling OA |
| Oral contraceptive pill  | Sibling TJR |
| Hormone replacement therapy  | Recurrent headaches  |
| Sit >2hr per average day at work | Frozen shoulder  |
| Stand/Walk >2hr per average day at work | Osteoporosis |
| Knee >1hr per average day at work | Carpal tunnel |
| Squat >1hr per average day at work | High cholesterol  |
| Drive >4hr per average day at work | Cardiovascular disease |
| Walk >2 miles per average day at work | Asthma |
| Eczema | Hypertension during pregnancy  |
| Sinusitis | Multi-site musculoskeletal pain |
| Heartburn | Surgeon F6 Vs Other Surgeons (Excluding E5) |
| Irritable bowel syndrome | Hybrid hip prosthesis VS others  |
| Diabetes  | CS/CR hip prosthesis VS others  |
| Clinical depression | Myopia |
| Anxiety | Urinary incontinence  |
| Motion sickness | Phlegm during winter |
| Migraine | Phlegm most days for at least 3 months  |
| Cancer | Acid regurgitation |
| Gout  | Broken bone after turning 16 years old  |
| Bunions | Tinnitus  |
| Golfers elbow | Cataract  |
| Hearing loss |   |