**Supplemental Table 1.** Gender, age group, BMI category and procedure side of patients undergoing primary patellofemoral arthroplasty, by country or registry (2000-2016)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Primary diagnosis | Australia | New Zealand | Canada | Kaiser Permanente | Finland | Norway | Sweden | Netherlands |
| Percentage(n = 3282) | Percentage(n = 466) | Percentage(n = 431) | Percentage(n = 419) | Percentage(n = 76) | Percentage(n = 359) | Percentage(n = 517) | Percentage(n = 1234) |
| Gender |  |
|  Men | 23 (757) | 25 (114) | 21 (90) | 25 (104) | 38 (29) | 29 (104) | 24 (123) | 26 (324) |
|  Women  | 77 (2525) | 76 (352) | 80 (341) | 75 (315) | 62 (47) | 71 (255) | 76 (394) | 74 (907) |
| Age group |     |
|  < 55 years | 39 (1282) | 34 (159) | 44 (190) | 47 (195) | 60 (45) | 61 (218) | 40 (206) | 53 (652) |
|  55-64 years | 30 (974) | 36 (167) | 28 (119) | 31 (130) | 34 (26) | 21 (74) | 29 (149) | 27 (337) |
|  65-74 years | 19 (618) | 18 (82) | 28 (122) | 15 (61) | 5 (4) | 12 (42) | 21 (107) | 14 (169) |
|  ≥ 75 years | 12 (408) | 12 (58) |   | 8 (33) | 1 (1) | 7 (25) | 11 (55) | 6 (74) |
| BMI category |    | Not provided | Not provided |  |  | Not provided |  |  |
|  Underweight, < 18.5 kg/m2 | 0.1 (2) |   |  | 0.7 (3) |   |   | 0.4 (2) | 0.2 (2) |
|  Normal, 18.5-24.9 kg/m2 | 4 (114) |   |   | 27 (113) | 8 (6) |   | 23 (118) | 9 (116) |
|  Pre-obese, 25-29.9 kg/m2 | 5 (168) |   |   | 34 (141) | 16 (12) |   | 34 (178) | 12 (145) |
|  Obese class, 1 30-34.9 kg/m2 | 3 (97) |   |   | 22 (93) | 16 (12) |   | 13 (67) | 8 (99) |
|  Obese class, 2 35-39.9 kg/m2 | 2 (50) |   |   | 6 (24) | 3 (2) |   | 4 (21) | 3 (32) |
|  Obese class, 3 > 40 kg/m2 | 1 (21) |   |   | 4 (15) | 1 (1) |   | 0.4 (2) | 1 (6) |
|  Unknown |    |  |  | 7 (30) | 57 (43) |   |   |  |
| Surgical side |  |
|  Left | 56 (1848) | 43 (200) | 48 (208) | 48 (200) | 50 (38) | 50 (181) | 46 (237) | 48 (590) |

Data regarding gender was missing for three and age for two procedures from the Netherlands.