

| Variable                            | SMART         |               | AOANJRR         |                 | ABS NHS-OA                  |
|-------------------------------------|---------------|---------------|-----------------|-----------------|-----------------------------|
|                                     | TKA (n=6,048) | THA (n=5,811) | TKA (n=782,600) | THA (n=643,567) | Hip & Knee OA (n=2,244,930) |
| Age - Mean (SD), years              | 69.8 (8.8)    | 67.0 (11.3)   | 68.2 (9.5)      | 69.9 (12.7)     | 63.7 (17.6)                 |
| Sex, %                              |               |               |                 |                 |                             |
| • Female                            | 63.9          | 57.6          | 55.5            | 56.3            | 63.7                        |
| • Male                              | 36.1          | 42.4          | 44.5            | 43.7            | 36.3                        |
| *BMI – Mean (SD), kg/m <sup>2</sup> | 32.5 (6.4)    | 29.7 (5.9)    | -               | -               | 29.4 (8.6)                  |
| Obese Class, %                      |               |               |                 |                 | -                           |
| • Underweight                       | 0.1           | 0.8           | 0.2             | 1.1             |                             |
| • Normal weight                     | 10.1          | 19.9          | 10.7            | 22.4            |                             |
| • Overweight                        | 26.5          | 35.5          | 31.6            | 36.7            |                             |
| • Obese class I                     | 31.2          | 26.3          | 30.6            | 24.4            |                             |
| • Obese class II                    | 19.2          | 11.8          | 16.7            | 10.3            |                             |
| • Obese class III                   | 12.8          | 5.7           | 10.2            | 5.1             |                             |
| **CCI, %                            |               |               | -               | -               |                             |
| • 0                                 | 71.0          | 70.2          |                 |                 | 70.3                        |
| • 1                                 | 22.2          | 22.9          |                 |                 | 21.9                        |
| • ≥ 2                               | 6.8           | 6.9           |                 |                 | 7.8                         |
| ***ASA Class, %                     |               |               |                 |                 | -                           |
| • 1                                 | 2.9           | 5.5           | 6.3             | 9.5             |                             |
| • 2                                 | 50.1          | 52.3          | 55.0            | 51.6            |                             |
| • 3                                 | 45.2          | 40.4          | 37.5            | 36.2            |                             |
| • 4                                 | 1.9           | 1.8           | 1.3             | 2.6             |                             |
| Smoker, %                           |               |               | -               | -               |                             |
| • Current                           | 6.8           | 12.2          |                 |                 | 11.2                        |
| • Former                            | 23.3          | 23.3          |                 |                 | -                           |
| • No                                | 69.9          | 64.5          |                 |                 | 88.8                        |
| ABS Socioeconomic Index, %          |               |               | -               | -               |                             |
| • Low (1 to 5)                      | 37.5          | 36.5          |                 |                 | 56.1                        |
| • High (6 to 10)                    | 62.5          | 63.5          |                 |                 | 43.8                        |
| Rurality, %                         |               |               | -               | -               |                             |
| • Major city                        | 91.7          | 89.4          |                 |                 | 64.1                        |
| • Inner Regional                    | 8.0           | 10.0          |                 |                 | 22.9                        |
| • Outer Regional                    | 0.2           | 0.4           |                 |                 | 12.9                        |
| • Remote                            | 0.1           | 0.2           |                 |                 | -                           |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                       |                                                                                |   |   |   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------------------------------|---|---|---|
| #HHS – Mean, (SD) <ul style="list-style-type: none"><li>• Pain</li><li>• Gait</li><li>• Activity</li><li>• Deformity</li><li>• Range of Motion</li><li>• Total</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -                                                     | 12.2 (7.0)<br>12.2 (8.4)<br>7.9 (5.1)<br>3.4 (1.4)<br>3.9 (0.9)<br>39.1 (13.6) | - | - | - |
| ##KSS – Mean, (SD) <ul style="list-style-type: none"><li>• Knee</li><li>• Function</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 37.8 (12.0)<br>38.3 (20.8)                            | -                                                                              | - | - | - |
| ^WOMAC – Mean, (SD) <ul style="list-style-type: none"><li>• Pain</li><li>• Motion</li><li>• Function</li><li>• Total</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 12.4 (3.6)<br>5.3 (1.7)<br>42.0 (12.4)<br>59.6 (16.6) | 12.7 (3.8)<br>5.5 (1.7)<br>44.9 (12.4)<br>63.1 (16.7)                          | - | - | - |
| ^^VR-12 – Mean, (SD) <ul style="list-style-type: none"><li>• PCS</li><li>• MSC</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 24.5 (8.2)<br>45.9 (15.5)                             | 23.6 (8.0)<br>43.7 (15.7)                                                      | - | - | - |
| ABS NHS OA = Australian Bureau of Statistics’ National Health Survey on patients with osteoarthritis; *BMI = Body Mass Index - The AOANJRR commenced collecting BMI data in 2015 and ASA class 2012; **CCI = Charlson comorbidity count (restricted to conditions recorded in both SMART and ABS NHS: myocardial infarction, heart failure, cerebrovascular accident/transient ischaemic attack, chronic obstructive pulmonary disease, peptic ulcer disease, diabetes, chronic kidney disease, and malignant neoplasm.); ***ASA = American Society of Anaesthesiologist; #HHS = Harris Hip Score; ##KSS = Knee Society Score; ^WOMAC = Western Ontario and McMaster Universities Osteoarthritis Index; ^^VF-12 – Veterans Rand Physical Component Scale (PCS) and Mental Component Scale (MCS) |                                                       |                                                                                |   |   |   |