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| **Supplementary Table 2** Demographic data and ICHOM Standard Set Older Person outcome measures by sex, age, and cognitive performance status |
| Data values show mean ± standard deviation or number (percent) | **Sex** | **Age** (years) | **MoCAadj** |
| Female | Male | *p* | <75 | ≥75 | *p* | ≥26 | <26 | *p* |
| **Demographics and health-related factors** |  |  |  |  |  |  |  |  |  |
| Number | 177 | 122 |  | 184 | 115 |  | 145 | 154 |  |
| Age (years) | 73.3±6.3 | 73.3±7.0 | 0.957 | 68.9±2.7 | 80.3±4.6 | <0.001 | 71.3±5.5 | 75.1±7.0 | <0.001 |
| Male | 0(0) | 122(100) | <0.001 | 75(40.8) | 47(40.9) | 0.985 | 57(39.3) | 65(42.2) | 0.61 |
| Education (years) | 6.9±4.4 | 8.8±4.8 | 0.001 | 8.3±4.3 | 6.5±5.0 | 0.001 | 9.3±4.0 | 6.0±4.7 | <0.001 |
| Smoke tobacco | 6(3.4) | 38(31.2) | <0.001 | 29(15.8) | 15(13.0) | 0.519 | 21(14.5) | 23(14.9) | 0.912 |
| Drink alcohol | 7(4.0) | 30(24.6) | <0.001 | 25(13.6) | 12(10.4) | 0.421 | 24(16.6) | 13(8.4) | 0.033 |
| Exercise (≥30 min, ≥3 times/week) | 31(17.5) | 20(16.4) | 0.8 | 37(20.1) | 14(12.2) | 0.076 | 24(16.6) | 27(17.5) | 0.822 |
| Montreal Cognitive Assessment (adjusted)\* | 23.8±5.5 | 23.7±5.6 | 0.778 | 25.2±4.6 | 21.5±6.2 | <0.001 | 28.2±1.6 | 19.5±4.6 | <0.001 |
|  Montreal Cognitive Assessment (adjusted)\* <26 | 89(50.3) | 65(53.3) | 0.61 | 75(40.8) | 79(68.7) | <0.001 | 0(0.0) | 154(100.0) | <0.001 |
| Charlson Comorbidity Index | 1.1±1.1 | 1.2±1.0 | 0.722 | 1.2±1.0 | 1.1±1.1 | 0.517 | 1.1±1.0 | 1.2±1.1 | 0.237 |
|  Charlson Comorbidity Index ≥2 | 48(27.1) | 42(34.4) | 0.176 | 60(32.6) | 30(26.1) | 0.232 | 42(29.0) | 48(31.2) | 0.678 |
| Body mass index (kg/m2) | 24.9±3.7 | 25.8±3.5 | 0.039 | 25.8±3.4 | 24.4±3.9 | 0.002 | 25.3±3.3 | 25.2±3.9 | 0.930 |
| **ICHOM Standard Set Older Person Tier 1** |  |  |  |  |  |  |  |  |  |
| Clinical frailty scale | 2.6±0.9 | 2.7±1.0 | 0.838 | 2.5±0.8 | 3.0±1.0 | <0.001 | 2.5±0.7 | 2.8±1.1 | <0.001 |
|  Frail | 22(12.4) | 13(10.7) | 0.639 | 13(7.1) | 22(19.1) | 0.002 | 5(3.5) | 30(19.5) | <0.001 |
| Preferred place of death chosen | 30(17.0) | 13(10.7) | 0.128 | 29(15.8) | 14(12.2) | 0.390 | 19(13.1) | 24(15.6) | 0.541 |
| Do Not Resuscitate signed | 15(8.5) | 6(4.9) | 0.237 | 17(9.2) | 4(3.5) | 0.058 | 15(10.3) | 6(3.9) | 0.029 |
| **ICHOM Standard Set Older Person Tier 2** |  |  |  |  |  |  |  |  |  |
| Number of drugs | 3.4±2.6 | 3.8±2.7 | 0.207 | 3.2±2.6 | 4.2±2.7 | 0.001 | 3.5±2.7 | 3.7±2.7 | 0.436 |
| Polypharmacy (≥5 concurrent drugs) | 53(29.9) | 42(34.4) | 0.413 | 49(26.6) | 46(40.0) | 0.016 | 43(29.7) | 52(33.8) | 0.445 |
| Number of adverse drug events | 0.0±0.2 | 0.0±0.1 | 0.839 | 0.0±0.2 | 0.0±0.0 | 0.289 | 0.0±0.2 | 0.0±0.0 | 0.181 |
| Episodes of discomfort after medications | 0.0±0.2 | 0.0±0.1 | 0.599 | 0.0±0.2 | 0.0±0.0 | 0.103 | 0.0±0.2 | 0.0±0.0 | 0.103 |
| Fell | 34(19.2) | 17(13.9) | 0.233 | 27(14.7) | 24(20.9) | 0.166 | 24(16.6) | 27(17.5) | 0.822 |
| Number of falls | 0.3±0.6 | 0.2±0.5 | 0.131 | 0.2±0.6 | 0.2±0.5 | 0.672 | 0.2±0.6 | 0.2±0.6 | 0.877 |
| Hospital admissions | 0.1±0.3 | 0.3±0.6 | <0.001 | 0.2±0.5 | 0.2±0.4 | 0.871 | 0.2±0.4 | 0.2±0.5 | 0.657 |
| Length of hospital stay (days) | 0.5±2.6 | 2.0±4.8 | 0.003 | 1.0±3.5 | 1.3±4.1 | 0.486 | 0.9±2.7 | 1.3±4.5 | 0.286 |
| Able to cope with own health | 162(91.5) | 114(93.4) | 0.541 | 172(93.5) | 104(90.4) | 0.337 | 138(95.2) | 138(89.6) | 0.071 |
| Participate in care decision-making | 163(92.1) | 113(92.6) | 0.865 | 168(91.3) | 108(93.9) | 0.410 | 135(93.1) | 141(91.6) | 0.616 |
| Treated with dignity and respect | 170(96.1) | 119(97.5) | 0.48 | 178(96.7) | 111(96.5) | 0.919 | 142(97.9) | 147(95.5) | 0.234 |
| Received coordinated care | 163(92.1) | 107(87.7) | 0.208 | 159(86.4) | 111(96.5) | 0.004 | 132(91.0) | 138(89.6) | 0.678 |
| Discharged to place of choice | 176(99.4) | 120(98.4) | 0.36 | 183(99.5) | 113(98.3) | 0.313 | 144(99.3) | 152(98.7) | 0.597 |
| Overall participation in decision-making | 4.7±0.8 | 4.7±0.7 | 0.863 | 4.7±0.8 | 4.8±0.7 | 0.353 | 4.8±0.6 | 4.6±0.8 | 0.175 |
|  High participation (≥5 components) | 150(84.8) | 94(77.1) | 0.091 | 147(79.9) | 97(84.4) | 0.333 | 122(84.1) | 122(79.2) | 0.273 |
| **ICHOM Standard Set Older Person Tier 3** |  |  |  |  |  |  |  |  |  |
| UCLA Loneliness Scale | 30.7±10.2 | 31.3±9.8 | 0.611 | 30.4±9.4 | 31.8±11.0 | 0.232 | 28.4±8.3 | 33.4±11.0 | <0.001 |
|  Loneliness | 46(26.0) | 34(27.9) | 0.718 | 46(25.0) | 34(29.6) | 0.386 | 22(15.2) | 58(37.7) | <0.001 |
| Activities of daily living | 7.5±1.3 | 7.2±1.5 | 0.08 | 7.6±1.1 | 7.1±1.7 | 0.002 | 7.8±0.8 | 7.1±1.8 | <0.001 |
|  Any limitation of activities of daily living | 29(16.4) | 38(31.2) | 0.003 | 29(15.8) | 38(33.0) | <0.001 | 19(13.1) | 48(31.2) | <0.001 |
| Walking speed (m/s) | 0.9±0.3 | 0.9±0.3 | 0.514 | 0.9±0.3 | 0.8±0.3 | <0.001 | 1.0±0.2 | 0.8±0.3 | <0.001 |
|  Slowness (6-metre walk <0.8 m/s) | 68(38.4) | 47(38.5) | 0.985 | 54(29.4) | 61(53.0) | <0.001 | 32(22.1) | 83(53.9) | <0.001 |
| Moderate pain | 21(11.9) | 10(8.2) | 0.307 | 15(8.2) | 16(13.9) | 0.112 | 16(11.0) | 15(9.7) | 0.714 |
| Depression | 25(14.1) | 14(11.5) | 0.504 | 19(10.3) | 20(17.4) | 0.078 | 16(11.0) | 23(14.9) | 0.317 |
| Value-based health score | 7.3±1.9 | 7.1±1.8 | 0.312 | 7.6±1.6 | 6.7±2.1 | <0.001 | 7.8 ± 1.5 | 6.8 ± 2.0 | <0.001 |
|  High value-based health | 60(33.9) | 29(23.8) | 0.06 | 63(34.2) | 26(22.6) | 0.032 | 57(39.3) | 32(20.8) | 0.001 |
| \*One point added for education years ≤12.ICHOM, International Consortium for Health Outcomes Measurement; UCLA, University of California, Los Angeles |