Appendix 1. Comparison of baseline characteristics between groups.

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| --- | --- | --- | --- |
| **Characteristics** | **EDIFY**  **(n=43)** | **Standard-care**  **(n=57)** | **p-value\* or**  **Difference (95% CI)** |
| **Demographics** |  |  |  |
| Age, mean (SD) | 89. (4.0) | 90.4 (4.2) | 0.9 (-0.7, 2.6) |
| Gender, Female, no. (%) | 30 (69.8) | 36 (63.2) | 0.49 |
| **Co-morbidities** |  |  |  |
| Charlson Comorbidity Index   * Total score, mean (SD) | 2.70 (2.38) | 2.75 (1.91) | 0.06 (-0.74, 0.91) |
| **Functional Status** |  |  |  |
| Modified Barthel Index (bADL),  mean (SD) |  |  |  |
| * Premorbid | 78.0 (26.4) | 79.4 (26.5) | 1.4 (-9.2, 12.0) |
| * Current (point of enrolment) | 57.4 (31.3) | 42.3 (26.7) | -15.2 (-26.7, -3.7) |
| Lawton’s iADL, mean (SD) |  |  |  |
| * Premorbid | 3.44 (2.22) | 3.47 (2.20) | 0.03 (-0.85, 0.92) |
| * Current (point of enrolment) | 3.21 (2.28) | 3.11 (2.14) | -0.10 (-0.99, 0.78) |
| Locomotion, no. (%) |  |  | 0.13 |
| * None | 12 (27.9) | 16 (28.1) |  |
| * Ambulatory with device | 30 (69.8) | 33 (57.9) |  |
| * Wheelchair | 1 (2.3) | 8 (14.0) |  |
| **Frailty** |  |  |  |
| Clinical Frailty Scale |  |  |  |
| * Total score, mean (SD) | 5.21 (0.83) | 4.91 (1.02) | 0.19 (-0.67, 0.08) |
| * By category, no. (%) |  |  | 0.18 |
| * + Robust (CFS 1-3) | 1 (2.3) | 6 (10.5) |  |
| * + Prefrail (CFS 4) | 6 (14.0) | 13 (22.8) |  |
| * + Mild-Moderate Frailty (CFS 5-6) | 34 (79.1) | 37 (64.9) |  |
| * + Severe Frailty (CFS 7-8) | 2 (4.7) | 1 (1.8) |  |
| * + Terminally Ill (CFS 9) | 0 (0.0) | 0 (0.0) |  |
| **Cognitive Status (n=88)** |  |  |  |
| Abbreviated Mental Status, mean (SD) | 5.74 (3.12) | 6.66 (2.73) | 0.92 (-0.32, 2.17) |
| **Presentation to ED** |  |  |  |
| Diagnosis at ED |  |  | 0.62 |
| * Sepsis | 12 (27.9) | 19 (33.3) |  |
| * Fall/syncope/seizure | 9 (20.9) | 7 (12.3) |  |
| * Functional Decline | 3 (7.0) | 7 (12.3) |  |
| * Dementia/Delirium | 2 (4.7) | 1 (1.8) |  |
| * Other Medical | 17 (39.5) | 23 (40.4) |  |
| Severity of illness, no. (%) |  |  | 0.69 |
| * mSII Level 1 | 3 (7.0) | 4 (7.0) |  |
| * mSII Level 2 | 39 (90.7) | 53 (93.0) |  |
| * mSII Level 3 | 1 (2.3) | 0 (0.0) |  |

**Abbreviations:** bADL, basic activities of daily living; CFS, clinical frailty scale; CI, confidence interval; ED, emergency department; iADL, instrumental activities of daily living; mSII, modified severity of illness index; SD, standard deviation.

\* p-values reported for Pearson Chi-Square or Fisher’s Exact Test (when expected value is less than 5).