Supplementary Table 2. Epidemiological characteristics of residents staying in 10 residential care homes for the elderly under the category of intervention (5 homes) and non-intervention (5 homes) arm

|  |  |  |  |
| --- | --- | --- | --- |
|  | Residents in intervention arm (n=244) | Residents in non- intervention arm (n=271) | P value |
| Age (mean years ± SD) | 83.1 ±10.3 | 86.2 ±8.1 | <0.001 |
| Male sex | 113 (46.3%) | 111 (41.0%) | 0.221 |
| Presence of |  |  |  |
| Nasogastric tube | 11 (4.5%) | 7 (2.6%) | 0.235 |
| Foley catheter | 15 (6.1%) | 15 (5.5%) | 0.767 |
| Peritoneal dialysis catheter | 3 (1.2%) | 2 (0.7%) | 0.672 |
| Wound | 13 (5.3%) | 10 (3.7%) | 0.369 |
| Bedsore | 6 (2.5%) | 9 (3.3%) | 0.561 |
| Barthel index(mean total score ± SD) | 47.9 ± 36.4 | 44.6 ± 37.6 | 0.314 |
| Underlying diseases |  |  |  |
| Chronic cardiac conditions | 60 (24.6%) | 73 (26.9%) | 0.543 |
| Chronic cerebral conditions | 38 (15.6%) | 42 (15.5%) | 0.981 |
| Chronic pulmonary conditions | 47 (19.3%) | 56 (20.7%) | 0.691 |
| Liver cirrhosis | 6 (2.5%) | 4 (1.5%) | 0.529 |
| End-stage renal failure | 3 (1.2%) | 2 (0.7%) | 0.672 |
| Diabetes mellitus | 25 (10.2%) | 26 (9.6%) | 0.805 |
| Malignancies | 19 (7.8%) | 15 (5.5%) | 0.304 |
| Use of antibiotics in the past 6 months: |  |  |  |
| Beta-lactam/beta-lactamase inhibitors | 19 (7.8%) | 17 (6.3%) | 0.501 |
| Cephalosporins | 3 (1.2%) | 6 (2.2%) | 0.509 |
| Carbapenems | 12 (4.9%) | 6 (2.2%) | 0.095 |
| Fluoroquinolones | 10 (4.1%) | 5 (1.8%) | 0.129 |
| History of hospitalization in the past 6 months | 111 (45.5%) | 110 (40.6%) | 0.262 |

Note. SD, standard deviation.