**ONLINE SUPPLEMENT**

**Title:** In adults hospitalised with community-acquired pneumonia step count is reduced in those with greater clinical frailty.

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**S1. CURB-65 Score for Community-Acquired Pneumonia.**

|  |  |
| --- | --- |
| **Clinical factor** | **Points** |
| Confusion | 1 |
| Blood urea nitrogen > 19 mg per dL | 1 |
| Respiratory rate ≥ 30 breaths per minute | 1 |
| Systolic blood pressure < 90 mm Hg or  Diastolic blood pressure ≤ 60 mm Hg | 1 |
| Age ≥ 65 years | 1 |
| **Total points:** |  |

|  |  |  |
| --- | --- | --- |
| **CURB-65 score** | **Deaths/total (%)\*** | **Recommendation†** |
| 0 | 7/1,223 (0.6) | Low risk; consider home treatment |
| 1 | 31/1,142 (2.7) |
| 2 | 69/1,019 (6.8) | Short inpatient hospitalization or closely supervised outpatient treatment |
| 3 | 79/563 (14.0) | Severe pneumonia; hospitalize and consider admitting to intensive care |
| 4 or 5 | 44/158 (27.8) |

CURB-65 = Confusion, Urea nitrogen, Respiratory rate, Blood pressure, 65 years of age and older.1

\*—Data are weighted averages from validation studies2, 3

†—Recommendations are consistent with British Thoracic Society guidelines.4

**S2. Characteristics of participants who contributed StepWatch Activity Monitor data to the final analyses.**

|  |  |
| --- | --- |
| **Data** | **N = 121** |
| Age (yr) | 67.8 ± 16.8 |
| Males, n (%) | 74 (61) |
| Clinical Frailty Scale (score 1 to 7) | 3 [1] |
| CURB-65 (score 0 to 5) | 1 [1] |
| Presence of a pleural effusion, n (%) | 32 (26) |
| Total number of occasions of physiotherapy services | 2 [3] |
| Use of new supplemental oxygen, n (%) | 80 (66) |
| Independent ambulation with or without a walking stick prior to admission, n (%) | 101 (84) |
| Non (never)-smoker, n (%) | 35 (29) |
| Aboriginal or Torres Strait Islander | 8 (7) |
| Presence of a chronic respiratory comorbid condition, n (%) | 53 (44) |
| Presence of a cardiovascular comorbid condition, n (%) | 79 (65) |
| Presence of a metabolic condition, n (%) | 61 (50) |

Data are expressed as mean ± SD, median [IQR] or n (Y%). CURB-65, Confusion Urea, Respiratory rate, Blood pressure, Age ≥ 65 score.

**S3.** **Characteristics of participants according to clinical frailty.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable** | ‘Frailty score < 4’  (frailty scores of 1 to 3)  N = 124 | ‘Frailty score ≥ 4’  (frailty scores of 4 to 7)  N = 76 | p value |
| Age (yr) | 59 ± 17 | 79 ± 12 | < 0.01 |
| Males, n (%) | 89 (72) | 40 (53) | 0.01 |
| CURB-65 | 1 [2] | 2 [1] | 0.12 |
| Previous independent ambulation with or without a walking stick, n (%) | 122 (98) | 43 (57) | < 0.01 |
| Non-smoker, n (%) | 41 (33) | 27 (36) | 0.43 |
| Aboriginal or Torres Strait Islander, n (%) | 16 (13) | 6 (8) | 0.36 |
| LOS (days) | 3 [3] | 5 [5] | < 0.01 |
| Inpatient mortality, n (%) | 0 (0) | 4 (5) | < 0.01 |
| 30-day GP presentations, n (%) (N = 144) | 65 (76) | 47 (81) | 0.29 |
| 30-day ED presentations, n (%) (N = 145) | 8 (9) | 12 (21) | 0.35 |
| 30-day readmissions, n (%) (N = 147) | 9 (10) | 13 (22) | < 0.01 |
| 30-day mortality, n (%) (N = 151) | 0 (0) | 3 (5) | < 0.01 |
| Average daily step count (N = 121) | 1201 [1355] steps | 516 [751] | 0.14 |

Data are expressed as mean ± SD or median [IQR] unless otherwise stated. yr, year; CURB-65, Confusion Urea, Respiratory rate, Blood pressure, Age ≥ 65 score; LOS: Length of stay.

**References**

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