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Supporting Information

AN-ACC classes: key descriptive statistics

**This appendix was part of the submitted manuscript and has been peer reviewed.
It is posted as supplied by the authors.**

AN-ACC classes: key descriptive statistics (next page)

Number (n) the number of observations in each class.

Relative value units (RVUs) are a measure of relative resource utilisation. The RVU is based on the mean resources utilised by class. An RVU of 1.00 is the overall mean resource utilisation of all residents, and the RVU of each class is calculated as relative to the overall mean. For example, an RVU of 1.95 means that the residents in that class consume 95% more than the average resident.

Reduction in variation (RIV) is a measure of overall performance of a classification and is calculated as the variance explained by the classification divided by the total variance. The higher the RIV, the better.

Coefficient of variation ($\widehat{c_v}$) is a measure of the homogeneity of each class and is calculated as the standard deviation divided by the mean. The smaller the $\widehat{c_v}$, the better.

Other abbreviations:

AM-FIM = Australian Modified Functional Independence Measure

CF = Compounding factors

DEMMI = Modified De Morton Mobility Index

RUG = Resource Utilisation Group: activities of daily living scale

CLASS 2
Without CF
n = 178
RVU = 0.37
$\hat{c}_v = 0.570$

CLASS 3
With CF
n = 90
RVU = 0.61
$\hat{c}_v = 0.565$

Independent
DEMMI>=13
n = 268
RVU = 0.45
$\hat{c}_v = 0.633$

CLASS 4
Without CF
n=112
RVU = 0.41
$\hat{c}_v = 0.614$

CLASS 5
With CF
n=291
RVU = 0.73
$\hat{c}_v = 0.611$

AM-FIM
Cognition>=22
n=403
RVU = 0.64
$\hat{c}_v = 0.665$

CLASS 6
Without CF
n=186
RVU = 0.69
$\hat{c}_v = 0.615$

CLASS 7
With CF
n=108
RVU = 0.95
$\hat{c}_v = 0.590$

AM-FIM
Cognition>=11 &
AM-FIM
Cognition<=21
n=294
RVU = 0.79
$\hat{c}_v = 0.627$

Mobility Assisted
DEMMI>=4 &
DEMMI<=12
n = 811
RVU 0.75
$\hat{c}_v = 0.642$

CLASS 8
AM-FIM
Cognition<=10
n=114
RVU = 1.05
$\hat{c}_v = 0.480$

All Residents
N = 1655
RVU = 1.00
$\hat{c}_v = 0.703$

CLASS 9
Without CF
n=131
RVU = 1.06
$\hat{c}_v = 0.500$

CLASS 10
With CF
n=80
RVU = 1.70
$\hat{c}_v = 0.365$

RUG<=16
n=211
RVU = 1.30
$\hat{c}_v = 0.495$

CLASS 1
Admit for
Palliative Care
n=6
RVU = 1.95

Not Mobile
DEMMI<=3
n = 576
RVU = 1.60
$\hat{c}_v = 0.424$

CLASS 11
RUG>=17 &
Braden>=14
n= 95
RVU = 1.63
$\hat{c}_v = 0.339$

CLASS 12
Without CF
n=88
RVU = 1.59
$\hat{c}_v = 0.338$

RUG>=17 &
Braden<=13
n=270
RVU = 1.83
$\hat{c}_v = 0.361$

CLASS 13
With CF
n=182
RVU = 1.95
$\hat{c}_v = 0.351$

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