Online Supplement 1. The Alfred Wellness Score: AWEScore

You are asked to report on your present state of wellness to assist in providing best health care. Circle the number that reflects your current state.

1. I rate the amount of coughing I do each day & night as:
   - All the time
   - Hardly ever
   
   |   0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

2. I rate the amount of sputum I cough up each day as:
   - Highest amount
   - Lowest amount

   |   0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

3. I rate my level of energy as:
   - Lowest
   - Highest

   |   0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

4. I rate my level of exercise participation as:
   - Lowest
   - Highest

   |   0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

5. I rate my appetite as:
   - Poor
   - Very good

   |   0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

6. I rate my weight as:
   - Way off target
   - Recommended/on target

   |   0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

7. I rate my mood as:
   - Lowest/flat
   - Highest/cheerful

   |   0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

8. I rate my level of anxiety as:
   - Highly anxious
   - Not at all anxious

   |   0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

9. I rate my sleep amount & quality as:
   - Poor
   - Excellent

   |   0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

10. I rate my general health as:
    - Poor
    - Excellent

    |   0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

Comments: Date: Total Score:

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Online Table S1. Reliability: AWESCORES at times A and B for clinically stable participants (n=27)

| AWESCORES     | Time A     | Time B     | Wilcoxon Signed Rank Test ICC (95%CI) |
|---------------|------------|------------|--------------------------------------|
|               | Z          | p          |                                      |
| DOMAINS       |            |            |                                      |
| Cough         | 7 [5 to 9] | 6 [5 to 8] | -1.633 0.102 0.934 (0.798 to 0.979) |
| Sputum        | 7 [6 to 7] | 7 [5 to 7] | -1.342 0.180 0.776 (0.414 to 0.926) |
| Energy        | 8 [7 to 9] | 8 [7 to 9] | -0.333 0.739 0.814 (0.497 to 0.939) |
| Exercise      | 8 [7 to 9] | 8 [7 to 10]| -1.897 0.058 0.919 (0.757 to 0.975) |
| Appetite      | 9 [9 to 10]| 9 [8 to 10]| -1.414 0.157 0.970 (0.906 to 0.991) |
| Weight        | 8 [6 to 10]| 9 [5 to 10]| -0.378 0.705 0.953 (0.853 to 0.985) |
| Mood          | 8 [8 to 10]| 8 [8 to 10]| -1.134 0.257 0.873 (0.636 to 0.959) |
| Anxiety       | 8 [6 to 10]| 8 [6 to 10]| -1.732 0.083 0.977 (0.928 to 0.993) |
| Sleep         | 8 [8 to 10]| 8 [8 to 10]| -1.000 0.317 0.985 (0.950 to 0.995) |
| General health| 8 [7 to 8] | 8 [7 to 9] | -1.732 0.083 0.910 (0.733 to 0.972) |
| TOTAL         | mean 77 (SD 11) mean 77 (SD 12) * mean difference 0 (95%CI -1 to 1) | 0.994 (0.980 to 0.998) |

Data are median [IQR] except where indicated; CI, confidence interval; ICC, intraclass coefficient; SD, standard deviation; *t-test as data normally distributed; p<0.05
Online Table S2. Reliability: AWESCORES at times A and B for participants in acute exacerbation (n=13)

| AWESCORES   | Time A       | Time B       | Wilcoxon Signed Rank Test | ICC (95%CI)       |
|-------------|--------------|--------------|---------------------------|-------------------|
| DOMAINS     | Z  | p      | Z  | p      |                                          |
| Cough       | 5 [3 to 5]   | 4 [3 to 6]   | -1.032  | 0.302  | 0.859 (0.715 to 0.933)                     |
| Sputum      | 5 [3 to 6]   | 5 [3 to 6]   | 0       | 1.000  | 0.920 (0.769 to 0.945)                     |
| Energy      | 4 [3 to 5]   | 4 [3 to 5]   | -0.676  | 0.499  | 0.883 (0.761 to 0.945)                     |
| Exercise    | 4 [3 to 6]   | 4 [3 to 6]   | -1.265  | 0.206  | 0.957 (0.909 to 0.980)                     |
| Appetite    | 6 [4 to 7]   | 6 [4 to 7]   | -1.148  | 0.251  | 0.883 (0.759 to 0.945)                     |
| Weight      | 6 [3 to 8]   | 6 [3 to 8]   | -0.577  | 0.564  | 0.973 (0.942 to 0.988)                     |
| Mood        | 6 [5 to 8]   | 6 [5 to 7]   | -1.524  | 0.128  | 0.814 (0.633 to 0.911)                     |
| Anxiety     | 7 [4 to 8]   | 7 [5 to 8]   | -0.941  | 0.347  | 0.874 (0.742 to 0.940)                     |
| Sleep       | 5 [3 to 8]   | 5 [3 to 8]   | -0.566  | 0.571  | 0.918 (0.829 to 0.962)                     |
| General health | 5 [4 to 6] | 5 [3 to 6]   | -1.732  | 0.083  | 0.895 (0.783 to 0.951)                     |
| TOTAL       | mean 51 (SD 11) | mean 52 (SD 10) | * mean difference 1 (95%CI -1 to 1) | 0.963 (0.921 to 0.983) |

Data are median [IQR] except where indicated; CI, confidence interval; ICC, intraclass coefficient; SD, standard deviation; *t-test as data normally distributed; p<0.05
Online Figure S1. Reliability: Bland Altman plot for total AWESCORES in clinically stable participants (n=27) within one outpatient visit. Solid line represents mean change in AWESCORE; dashed line represents the limits of agreement (1.96 x SD of the mean change in AWESCORE).
Online Figure S2. Reliability: Bland Altman plot for total AWESCORES in participants with exacerbation (n=13) over 24 hours. Solid line represents mean change in AWESCORE; dashed line represents the limits of agreement (1.96 x SD of the mean change in AWESCORE).