

Supplementary Table S3. Descriptive statistics for characteristics at all stable state visits*

| Characteristic / Factor | | All stable visits (n=1909) | Stable Visits WITH viral Infections (n=103) | Stable Visits WITHOUT viral Infections (n=1806) | p-value* |
|---|------------------------|-------------------------------|---|---|----------|
| Cough, n (%) | No | 1263 (66.2) | 57 (55.3) | 1206 (66.8) | 0.018 |
| | Yes | 645 (33.8) | 46 (44.7) | 599 (33.2) | |
| CAT: cough, n (%) | never cough | 182 (9.6) | 9 (8.7) | 173 (9.7) | 0.001 |
| | 1 cough | 539 (27.9) | 16 (15.5) | 513 (28.6) | |
| | 2 cough | 566 (29.9) | 27 (26.2) | 539 (30.1) | |
| | 3 cough | 466 (23.6) | 38 (36.9) | 408 (22.8) | |
| | 4 cough | 123 (6.5) | 7 (6.8) | 116 (6.5) | |
| | cough all the time | 47 (2.5) | 6 (5.8) | 41 (2.3) | |
| Sputum volume, n (%) | Small (1 teaspoon) | 606 (69.0) | 33 (66.0) | 573 (69.2) | 0.041 |
| | Moderate (1soup spoon) | 200 (22.8) | 8 (16.0) | 192 (23.2) | |
| | Large (> 1 soup spoon) | 72 (8.2) | 9 (18.0) | 63 (7.6) | |
| Potential pathogenic bacteria in sputum, n (%) | no | 532 (72.7) | 22 (56.6) | 510 (73.6) | 0.026 |
| | yes | 200 (27.3) | 17 (43.6) | 183 (26.4) | |
| Infection with P. aeruginosa, n (%) | no | 704 (96.2) | 34 (87.2) | 670 (96.7) | 0.013 |
| | yes | 28 (3.8) | 5 (12.8) | 23 (3.3) | |

*Among several parameters that were tested, (sex, smoking status, shortness of breath, cough, wheezing, sputum production, inhaled medication, systemic medication, oxygen therapy, non-invasive ventilation, surgical therapy for COPD, comorbidities, MMRC Dyspnea scale, SGRQ, CAT score, WURSS, microbiology in sputum, GOLD stage, GOLD group, lung function parameters including DLCO SB, NO in exhaled air, 6 min walking distance) only statistically significant parameters are presented in the Table.

WURSS: Wisconsin Upper Respiratory Symptom Survey; SGRQ: Saint George Respiratory Questionnaire; CAT: COPD assessment test