

Supplemental Table 1 – Differences in Symptom Occurrence Rates Among the Patient Subgroups Using Latent Class Analysis or K-Modes Analysis

| Symptom | Method | All Low ^{a,b} (0) | Moderate Physical & Lower Psychological (1) | Moderate Physical & Higher Psychological (2) | All High (3) | Statistics |
|-------------------------|---------|-------------------------------|--|---|-----------------|---|
| Physical Symptoms | | | | | | |
| Lack of energy | LCA | 54.9 | 98.7 | 93.0 | 99.4 | $X^2 = 357.44, p < .001$ 0 < 1, 2, and 3 1 > 2; 2 < 3 |
| | K-Modes | 64.7 | 95.6 | 93.9 | 97.4 | $X^2 = 221.00, p < .001$ 0 < 1, 2, and 3 |
| Difficult concentrating | LCA | 18.1 | 48.4 | 69.0 | 97.8 | $X^2 = 391.45, p < .001$ 0 < 1 < 2 < 3 |
| | K-Modes | 25.4 | 36.1 | 76.1 | 86.7 | $X^2 = 386.45, p < .001$ 0 < 1 < 2 < 3 |
| Feeling drowsy | LCA | 24.3 | 73.7 | 70.7 | 96.6 | $X^2 = 366.85, p < .001$ 0 < 1, 2, and 3 1 and 2 < 3 |
| | K-Modes | 32.1 | 71.2 | 77.9 | 86.0 | $X^2 = 309.61, p < .001$ 0 < 1, 2, and 3 1 < 3 |
| Nausea | LCA | 16.7 | 63.9 | 45.4 | 95.5 | $X^2 = 358.73, p < .001$ 0 < 1, 2, and 3 1 > 2; 1 and 2 < 3 |
| | K-Modes | 22.6 | 77.6 | 34.6 | 82.5 | $X^2 = 377.42, p < .001$ 0 < 1, 2, and 3 1 > 2; 2 < 3 |
| Pain | LCA | 33.4 | 70.3 | 65.6 | 94.4 | $X^2 = 231.14, p < .001$ 0 < 1, 2, and 3 1 and 2 < 3 |
| | K-Modes | 36.0 | 75.1 | 71.1 | 83.4 | $X^2 = 233.65, p < .001$ 0 < 1, 2, and 3 2 < 3 |
| Difficulty sleeping | LCA | 45.8 | 71.5 | 80.5 | 92.7 | $X^2 = 178.97, p < .001$ 0 < 1 < 2 < 3 |
| | K-Modes | 53.7 | 69.3 | 75.7 | 89.6 | $X^2 = 125.66, p < .001$ 0 < 1, 2, and 3 1 and 2 < 3 |
| Dry mouth | LCA | 21.2 | 65.8 | 36.8 | 86.0 | $X^2 = 282.43, p < .001$ 0 < 1, 2, and 3 1 > 2; 1 and 2 < 3 |
| | K-Modes | 26.1 | 72.2 | 31.4 | 73.7 | $X^2 = 261.36, p < .001$ 0 < 1 and 3 1 > 2; 2 < 3 |
| Lack of appetite | LCA | 14.1 | 56.0 | 39.2 | 84.3 | $X^2 = 292.58, p < .001$ |

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| | | | | | | 0 < 1, 2, and 3 1 > 2; 1 and 2 < 3 |
| | K-Modes | 18.7 | 71.2 | 26.8 | 74.0 | $X^2 = 349.43, p < .001$ 0 < 1 and 3 1 > 2; 2 < 3 |
| Change in the way food tastes | LCA | 27.4 | 63.3 | 46.2 | 83.7 | $X^2 = 190.76, p < .001$ 0 < 1, 2, and 3 1 > 2; 1 and 2 < 3 |
| | K-Modes | 32.3 | 70.7 | 32.5 | 80.2 | $X^2 = 249.04, p < .001$ 0 < 1 and 3 1 > 2; 2 < 3 |
| Numbness/tingling in hands/feet | LCA | 33.4 | 62.0 | 51.9 | 79.8 | $X^2 = 125.76, p < .001$ 0 < 1, 2, and 3 1 > 2; 1 and 2 < 3 |
| | K-Modes | 35.6 | 75.1 | 45.0 | 72.4 | $X^2 = 158.32, p < .001$ 0 < 1 and 3 1 > 2; 2 < 3 |
| Hair loss | LCA | 33.7 | 61.4 | 60.8 | 78.7 | $X^2 = 128.15, p < .001$ 0 < 1, 2, and 3 1 and 2 < 3 |
| | K-Modes | 34.0 | 69.8 | 64.6 | 72.1 | $X^2 = 160.60, p < .001$ 0 < 1, 2, and 3 |
| Constipation | LCA | 21.5 | 47.5 | 47.6 | 78.7 | $X^2 = 177.03, p < .001$ 0 < 1, 2, and 3 1 < 2 and 3 |
| | K-Modes | 22.9 | 61.5 | 36.1 | 74.0 | $X^2 = 242.11, p < .001$ 0 < 1, 2, and 3 1 > 2; 1 and 2 < 3 |
| Feeling bloated | LCA | 10.3 | 28.8 | 40.4 | 77.5 | $X^2 = 269.93, p < .001$ 0 < 1 < 2 < 3 |
| | K-Modes | 16.0 | 24.4 | 32.5 | 69.2 | $X^2 = 258.27, p < .001$ 0 < 2 and 3 1 and 2 < 3 |
| Changes in skin | LCA | 11.5 | 38.9 | 41.8 | 77.0 | $X^2 = 245.68, p < .001$ 0 < 1, 2, and 3 1 and 2 < 3 |
| | K-Modes | 16.4 | 35.6 | 36.1 | 71.4 | $X^2 = 256.15, p < .001$ 0 < 1, 2, and 3 1 and 2 < 3 |
| Sweats | LCA | 13.6 | 27.8 | 33.7 | 73.0 | $X^2 = 208.28, p < .001$ 0 < 1, 2, and 3 1 and 2 < 3 |
| | K-Modes | 17.5 | 21.0 | 26.4 | 66.2 | $X^2 = 235.56, p < .001$ 0 < 2 and 3 1 and 2 < 3 |
| Dizziness | LCA | 6.4 | 39.9 | 32.9 | 70.8 | $X^2 = 260.76, p < .001$ |

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| | | | | | | 0 < 1, 2, and 3 1 and 2 < 3 |
| | K-Modes | 9.3 | 56.6 | 23.6 | 59.7 | $X^2 = 304.91, p < .001$ 0 < 1, 2, and 3 1 > 2; 2 < 3 |
| Hot flashes | LCA | 16.7 | 33.5 | 29.3 | 70.2 | $X^2 = 166.73, p < .001$ 0 < 1, 2, and 3 1 and 2 < 3 |
| | K-Modes | 21.3 | 21.5 | 23.9 | 64.3 | $X^2 = 195.29, p < .001$ 0, 1, and 2 < 3 |
| Problems with sexual interest or activity | LCA | 10.5 | 24.1 | 41.8 | 57.9 | $X^2 = 175.13, p < .001$ 0 < 1 < 2 < 3 |
| | K-Modes | 13.2 | 25.9 | 30.7 | 60.7 | $X^2 = 212.26, p < .001$ 0 < 1 and 3 1 and 2 < 3 |
| Cough | LCA | 18.4 | 40.5 | 30.5 | 56.7 | $X^2 = 95.62, p < .001$ 0 < 1, 2, and 3 1 > 2; 1 and 2 < 3 |
| | K-Modes | 22.4 | 31.7 | 28.2 | 54.9 | $X^2 = 97.52, p < .001$ 0, 1, and 2 < 3 |
| Diarrhea | LCA | 12.9 | 32.6 | 32.7 | 56.2 | $X^2 = 119.84, p < .001$ 0 < 1, 2, and 3 1 and 2 < 3 |
| | K-Modes | 16.8 | 38.5 | 32.9 | 42.9 | $X^2 = 77.50, p < .001$ 0 < 1, 2, and 3 |
| Psychological Symptoms | | | | | | |
| Worrying | LCA | 22.4 | 14.2 | 90.6 | 98.9 | $X^2 = 732.68, p < .001$ 0 > 1 0 and 1 < 2 and 3; 2 < 3 |
| | K-Modes | 24.3 | 27.8 | 81.1 | 90.3 | $X^2 = 488.89, p < .001$ 0 and 1 < 2 and 3 2 < 3 |
| Feeling irritable | LCA | 8.4 | 25.6 | 64.9 | 91.6 | $X^2 = 500.74, p < .001$ 0 < 1 < 2 < 3 |
| | K-Modes | 13.8 | 22.4 | 65.7 | 79.5 | $X^2 = 451.86, p < .001$ 0 < 2 < 3 1 < 2 and 3 |
| Feeling sad | LCA | 14.3 | 16.1 | 81.3 | 91.6 | $X^2 = 639.54, p < .001$ 0 and 1 < 2 and 3 2 < 3 |
| | K-Modes | 15.7 | 25.9 | 81.1 | 80.5 | $X^2 = 518.29, p < .001$ 0 < 1, 2, and 3 1 < 2 and 3 |
| Feeling nervous | LCA | 9.5 | 18.4 | 60.6 | 87.1 | $X^2 = 467.74, p < .001$ 0 < 1 < 2 < 3 |
| | K-Modes | 10.6 | 18.5 | 69.3 | 70.1 | $X^2 = 454.62, p < .001$ |

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| | | | | | | 0 < 1, 2, and 3 1 < 2 and 3 |
| I don't look like myself | LCA | 13.6 | 28.2 | 54.1 | 74.2 | $X^2 = 263.69, p < .001$ 0 < 1 < 2 < 3 |
| | K-Modes | 14.6 | 25.9 | 58.2 | 67.9 | $X^2 = 303.48, p < .001$ 0 < 1, 2, and 3 1 < 2 and 3 |
| Symptoms Not Included Formation of Patient Groups | | | | | | |
| Difficulty swallowing | LCA | 4.1 | 18.7 | 10.6 | 35.4 | $X^2 = 113.35, p < .001$ 0 < 1, 2, and 3 1 > 2; 1 and 2 < 3 |
| | K-Modes | 4.7 | 21.5 | 8.2 | 29.5 | $X^2 = 119.48, p < .001$ 0 < 1 and 3 1 > 2; 2 < 3 |
| Abdominal cramps | LCA | 8.1 | 21.5 | 21.9 | 59.6 | $X^2 = 190.13, p < .001$ 0 < 1, 2, and 3 1 and 2 < 3 |
| | K-Modes | 10.3 | 22.4 | 20.7 | 45.5 | $X^2 = 139.63, p < .001$ 0 < 1, 2, and 3 1 and 2 < 3 |
| Shortness of breath | LCA | 10.3 | 30.1 | 28.1 | 57.3 | $X^2 = 144.71, p < .001$ 0 < 1, 2, and 3 1 and 2 < 3 |
| | K-Modes | 14.4 | 30.7 | 28.2 | 44.8 | $X^2 = 94.90, p < .001$ 0 < 1, 2, and 3 1 and 2 < 3 |
| Difficulty breathing | LCA | 7.4 | 22.8 | 17.5 | 50.0 | $X^2 = 145.13, p < .001$ 0 < 1, 2, and 3 1 and 2 < 3 |
| | K-Modes | 10.4 | 21.0 | 18.9 | 36.7 | $X^2 = 84.69, p < .001$ 0 < 1, 2, and 3 1 and 2 < 3 |
| Chest tightness | LCA | 5.5 | 16.8 | 18.0 | 48.3 | $X^2 = 156.69, p < .001$ 0 < 1, 2, and 3 1 and 2 < 3 |
| | K-Modes | 6.9 | 16.6 | 18.2 | 37.3 | $X^2 = 123.91, p < .001$ 0 < 1, 2, and 3 1 and 2 < 3 |
| Itching | LCA | 12.2 | 29.1 | 24.8 | 47.2 | $X^2 = 86.76, p < .001$ 0 < 1, 2, and 3 1 < 3 |
| | K-Modes | 14.6 | 27.3 | 24.3 | 41.6 | $X^2 = 77.24, p < .001$ 0 < 1, 2, and 3 1 and 2 < 3 |
| Weight loss | LCA | 13.1 | 30.4 | 24.3 | 46.6 | $X^2 = 80.44, p < .001$ 0 < 1, 2, and 3 |

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| | | | | | | 1 and 2 < 3 $X^2 = 113.46, p < .001$ 0 < 1 and 3 1 > 2; 2 < 3 |
| | K-Modes | 14.2 | 40.0 | 17.1 | 41.9 | |
| Increased appetite | LCA | 16.0 | 23.7 | 28.8 | 46.1 | $X^2 = 61.84, p < .001$ 0 < 2 and 3 1 and 2 < 3 |
| | K-Modes | 18.3 | 22.4 | 25.4 | 41.9 | $X^2 = 58.54, p < .001$ 0, 1 and 2 < 3 |
| Mouth sores | LCA | 9.1 | 21.8 | 24.3 | 39.3 | $X^2 = 75.02, p < .001$ 0 < 1, 2, and 3 1 and 2 < 3 |
| | K-Modes | 10.3 | 23.9 | 22.5 | 36.0 | $X^2 = 80.90, p < .001$ 0 < 1, 2, and 3 1 and 2 < 3 |
| Problems with urination | LCA | 5.7 | 12.3 | 13.2 | 38.8 | $X^2 = 114.92, p < .001$ 0 < 1, 2, and 3 1 and 2 < 3 |
| | K-Modes | 6.9 | 12.2 | 11.8 | 29.9 | $X^2 = 88.17, p < .001$ 0, 1, and 2 < 3 |
| Weight gain | LCA | 16.2 | 25.9 | 28.8 | 37.6 | $X^2 = 35.37, p < .001$ 0 < 1, 2, and 3 |
| | K-Modes | 18.1 | 23.9 | 28.2 | 36.4 | $X^2 = 36.08, p < .001$ 0 < 2 and 3 1 < 3 |
| Vomiting | LCA | 4.1 | 16.5 | 9.6 | 30.9 | $X^2 = 91.05, p < .001$ 0 < 1, 2, and 3 1 > 2; 1 and 2 < 3 |
| | K-Modes | 5.8 | 19.0 | 8.9 | 22.4 | $X^2 = 61.61, p < .001$ 0 < 1 and 3 1 > 2; 2 < 3 |
| Swelling in the arms and/or legs | LCA | 7.6 | 17.1 | 14.7 | 26.4 | $X^2 = 37.76, p < .001$ 0 < 1, 2, and 3 2 < 3 |
| | K-Modes | 8.8 | 16.1 | 15.0 | 23.4 | $X^2 = 34.06, p < .001$ 0 < 1 and 3 |

Abbreviations: LCA = latent class analysis

^aFor LCA – All Low (n=419, 31.5%), Moderate Physical and Lower Psychological (n=316, 23.8%), Moderate Physical and Higher Psychological (n=416, 31.3%) and All High (n=178, 13.4%).

^bFor K-modes analysis – All Low (n=536, 40.3%), Moderate Physical and Lower Psychological (n=205, 15.4%), Moderate Physical and Higher Psychological (n=280, 21.13%) and All High (n=303, 23.24%).