**Statistical assessment of the optimal number of clusters from latent class analysis models based on eight groups of prodrome symptoms**

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| Model | L2 statistics | Bootstrap *p* value | % reduction in L2 from H0 | Number of parameters | BICL2 | CAICL2 |
| 1 cluster (H0) | 899.6 | < 0.0001 | - | 8 | -1081.7 | -1328.7 |
| 2 cluster | 197.0 | 0.028 | 78.1 | 17 | -1680.8 | -1909.8 |
| 3 cluster† | 156.0 | 0.43 | 82.7 | 26 | -1712.0 | -1950.0 |
| 4 cluster | 123.9 | 0.87 | 86.2 | 35 | -1640.8 | -1860.8 |
| 5 cluster | 107.7 | 0.94 | 88.0 | 44 | -1584.8 | -1795.8 |
| 6 cluster | 92.2 | 0.96 | 89.8 | 53 | -1528.1 | -1730.1 |

BICL2, Bayes Information Criterion based on L-squared statistics; CAICL2, Consistent Akaike’s Information Criterion based on L-squared statistics. †The optimal model.