# Supplementary Table 2 – Cluster Descriptions

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| Cluster | # Rows | Top 5 ICD-10 Codes (frequency) | Dominant Semantic Terms (top 5) |
| F0 (female) | 187 | 1. F603 (30) 2. F1210 (25) 3. R45851 (24) 4. F609 (22) 5. F17210 (22) | • borderline\_personality\_disorder • suicidal\_ideations • personality\_disorder,\_unspecified • cannabis\_abuse,\_uncomplicated • major\_depressive\_disorder,\_single\_episode,\_unspecified |
| F1 (female) | 310 | 1. F17210 (96) 2. F1210 (92) 3. F603 (35) 4. F1220 (33) 5. F919 (30) | • nicotine\_dependence,\_cigarettes,\_uncomplicated • cannabis\_abuse,\_uncomplicated • borderline\_personality\_disorder • conduct\_disorder,\_unspecified • cannabis\_use,\_unspecified,\_uncomplicated |
| F2 (female) | 322 | 1. F1210 (65) 2. F603 (60) 3. F17210 (54) 4. F1220 (33) 5. F609 (32) | • borderline\_personality\_disorder • cannabis\_abuse,\_uncomplicated • nicotine\_dependence,\_cigarettes,\_uncomplicated • personality\_disorder,\_unspecified • alcohol\_abuse,\_uncomplicated |