

## **Supplementary Material for**

### **A nationwide study of inpatient case rate incidence of cannabis-related diagnoses in Switzerland**

|                              |   |
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**Supplementary Table S1.** All psychiatric main diagnoses, alcohol-related diagnoses, psychosis-related diagnoses and cannabis-related diagnoses (CRD) with sex, language region, age groups and specific CRDs in the years from 1998 to 2009

|                                         | 1998    | 1999    | 2000    | 2001    | 2002    | 2003    | 2004    | 2005    | 2006    | 2007    | 2008    | 2009    |
|-----------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>Swiss Population</b>                 | 7096465 | 7164444 | 7204055 | 7255653 | 7313853 | 7364148 | 7415102 | 7459128 | 7508739 | 7593494 | 7701856 | 7785806 |
| <b>Psychiatric Main Diagnoses</b>       | 50182   | 60946   | 71747   | 75295   | 80696   | 82771   | 83780   | 81769   | 127004  | 131528  | 144143  | 85494   |
| <b>Cannabis-related Main Diagnoses</b>  | 185     | 244     | 306     | 355     | 369     | 428     | 461     | 549     | 627     | 464     | 653     | 489     |
| <b>Percentage %</b>                     | 0.37    | 0.4     | 0.42    | 0.47    | 0.45    | 0.51    | 0.55    | 0.67    | 0.49    | 0.35    | 0.45    | 0.57    |
| <b>CRD case rates</b>                   | 0.0026  | 0.0034  | 0.0042  | 0.0049  | 0.0051  | 0.0058  | 0.0062  | 0.0073  | 0.0083  | 0.0061  | 0.0084  | 0.0063  |
| <b>Alcohol-related Main Diagnoses</b>   | 8501    | 9953    | 11490   | 11853   | 12529   | 12493   | 13230   | 12718   | 14273   | 16604   | 18568   | 14605   |
| <b>Percentage %</b>                     | 16.94   | 16.33   | 16.01   | 15.7    | 15.5    | 15.09   | 15.79   | 15.5    | 11.23   | 12.62   | 12.88   | 17.08   |
| <b>Psychosis-related Main Diagnoses</b> | 7896    | 8999    | 10533   | 10683   | 11949   | 12230   | 12296   | 12566   | 16956   | 14003   | 14344   | 12276   |
| <b>Percentage %</b>                     | 15.73   | 14.7    | 14.6    | 14.1    | 15.3    | 14.77   | 14.67   | 15.36   | 13.35   | 11.64   | 9.95    | 14.35   |
| <b>Gender</b>                           |         |         |         |         |         |         |         |         |         |         |         |         |
| <b>Female</b>                           | 58      | 64      | 62      | 92      | 84      | 114     | 92      | 101     | 152     | 94      | 127     | 94      |
| <b>Male</b>                             | 127     | 180     | 244     | 263     | 285     | 314     | 369     | 448     | 475     | 370     | 526     | 395     |
| <b>Language Region</b>                  |         |         |         |         |         |         |         |         |         |         |         |         |
| <b>Latin (French and Italian)</b>       | 74      | 85      | 161     | 170     | 215     | 232     | 234     | 319     | 389     | 253     | 414     | 233     |
| <b>German</b>                           | 111     | 159     | 145     | 185     | 154     | 196     | 227     | 230     | 238     | 211     | 239     | 256     |
| <b>Age Groups</b>                       |         |         |         |         |         |         |         |         |         |         |         |         |

|                                                |     |     |     |     |     |     |     |      |     |     |     |      |
|------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|------|
| <b>Age 15-24</b>                               | 95  | 106 | 162 | 209 | 195 | 231 | 234 | 345  | 294 | 228 | 248 | 255  |
| <b>Age 25-44</b>                               | 80  | 103 | 130 | 115 | 144 | 162 | 191 | 155  | 257 | 196 | 360 | 200  |
| <b>Age 45-64</b>                               | 4   | 18  | 10  | 16  | 22  | 25  | 31  | 36   | 66  | 29  | 43  | 23   |
| <b>Age 65+</b>                                 | 2   | 9   | 2   | 1   | 1   | 4   | 4   | 6    | 1   | 5   | 6   | 1    |
| <b>CRD Percentage % 25-44</b>                  | 1.1 | 1.2 | 1.3 | 1.2 | 1.3 | 1.5 | 1.7 | 1.4  | 1.3 | 1.5 | 2.5 | 1.8  |
| <b>CRD Percentage % 15-24</b>                  | 7.9 | 7.1 | 8.6 | 9.2 | 7.9 | 8.9 | 8.6 | 12.2 | 5.6 | 6.9 | 8.2 | 10.4 |
| <b>Cannabis-related specific<br/>Diagnosis</b> |     |     |     |     |     |     |     |      |     |     |     |      |
| <b>F12.0</b>                                   | 27  | 39  | 35  | 59  | 44  | 68  | 45  | 53   | 41  | 23  | 45  | 30   |
| <b>F12.1</b>                                   | 14  | 41  | 51  | 67  | 49  | 54  | 76  | 74   | 88  | 63  | 71  | 82   |
| <b>F12.2</b>                                   | 80  | 73  | 108 | 126 | 154 | 155 | 225 | 257  | 287 | 222 | 386 | 246  |
| <b>F12.3</b>                                   | 4   | 1   | 0   | 4   | 1   | 2   | 7   | 4    | 4   | 6   | 6   | 6    |
| <b>F12.X*</b>                                  | 8   | 10  | 15  | 15  | 19  | 22  | 12  | 13   | 21  | 9   | 17  | 10   |
| <b>F12.5</b>                                   | 52  | 80  | 97  | 86  | 96  | 125 | 99  | 146  | 180 | 141 | 115 | 117  |

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X\* comprises the following CRDs according to ICD-10 : F12.4, F12.6, F12.7, F12.8, F12.9

**Supplementary Table S2.** All psychiatric main diagnoses, alcohol-related diagnoses, psychosis-related diagnoses and cannabis-related diagnoses (CRD) with sex, language region, age groups and specific CRDs in the years from 2010 to 2020

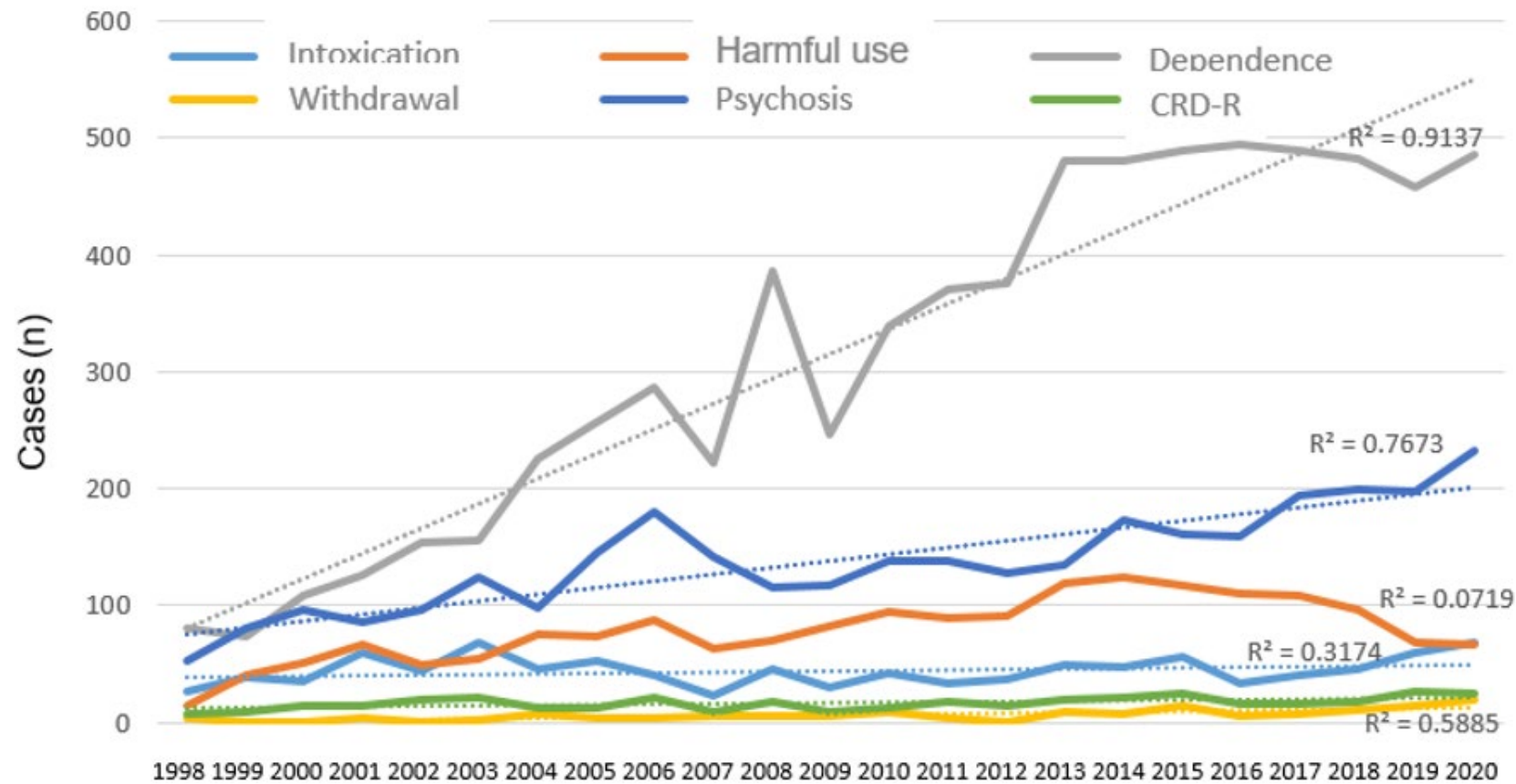
|                                         | 2010    | 2011    | 2012    | 2013    | 2014    | 2015    | 2016    | 2017    | 2018    | 2019    | 2020    |
|-----------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>Swiss Population</b>                 | 7870134 | 7954662 | 8039060 | 8139631 | 8237666 | 8327126 | 8419550 | 8484130 | 8544527 | 8606033 | 8670300 |
| <b>Psychiatric Main Diagnoses</b>       | 89806   | 97877   | 90888   | 92742   | 95306   | 97877   | 101385  | 104563  | 103131  | 105025  | 103914  |
| <b>Cannabis-related Main Diagnoses</b>  | 629     | 662     | 673     | 815     | 854     | 858     | 824     | 864     | 860     | 854     | 961     |
| <b>Percentage %</b>                     | 0.7     | 0.67    | 0.74    | 0.87    | 0.89    | 0.87    | 0.81    | 0.83    | 0.83    | 0.81    | 0.92    |
| <b>CRD case rates</b>                   | 0.0079  | 0.0083  | 0.0084  | 0.01    | 0.01    | 0.01    | 0.0098  | 0.01    | 0.01    | 0.0099  | 0.11    |
| <b>Alcohol-related Main Diagnoses</b>   | 16126   | 16369   | 15530   | 15595   | 15988   | 15626   | 15703   | 15868   | 15784   | 16755   | 16582   |
| <b>Percentage %</b>                     | 17.09   | 16.72   | 17.08   | 16.81   | 16.77   | 15.96   | 12.88   | 12.62   | 12.37   | 12.3    | 15.95   |
| <b>Psychosis-related Main Diagnoses</b> | 12590   | 12309   | 11549   | 11917   | 12272   | 12686   | 13068   | 13204   | 12763   | 12924   | 13241   |
| <b>Percentage %</b>                     | 14.01   | 12.57   | 12.71   | 12.84   | 12.87   | 12.96   | 12.89   | 12.66   | 12.37   | 12.3    | 12.7    |
| <b>Gender</b>                           |         |         |         |         |         |         |         |         |         |         |         |
| <b>Female</b>                           | 129     | 149     | 124     | 181     | 188     | 192     | 187     | 161     | 171     | 178     | 218     |
| <b>Male</b>                             | 500     | 513     | 549     | 634     | 666     | 666     | 637     | 703     | 689     | 676     | 743     |
| <b>Language Region</b>                  |         |         |         |         |         |         |         |         |         |         |         |
| <b>Latin (French and Italian)</b>       | 333     | 332     | 339     | 404     | 400     | 392     | 353     | 394     | 347     | 351     | 406     |
| <b>German</b>                           | 296     | 330     | 334     | 411     | 454     | 466     | 471     | 470     | 513     | 503     | 555     |
| <b>Age Groups</b>                       |         |         |         |         |         |         |         |         |         |         |         |
| <b>Age 15-24</b>                        | 349     | 317     | 355     | 375     | 394     | 443     | 391     | 397     | 411     | 423     | 465     |

|                                  |      |      |      |       |      |      |      |      |      |      |      |
|----------------------------------|------|------|------|-------|------|------|------|------|------|------|------|
| <b>Age 25-44</b>                 | 233  | 282  | 264  | 364   | 379  | 345  | 368  | 387  | 373  | 358  | 425  |
| <b>Age 45-64</b>                 | 37   | 56   | 45   | 64    | 78   | 56   | 59   | 68   | 70   | 61   | 58   |
| <b>Age 65+</b>                   | 5    | 6    | 1    | 5     | 4    | 3    | 4    | 1    | 6    | 6    | 4    |
| <b>CRD Percentage % 25-44</b>    | 2    | 2.4  | 2.5  | 3.3   | 3.4  | 3.1  | 3.3  | 3.4  | 3.4  | 3.2  | 3.6  |
| <b>CRD Percentage % 15-24</b>    | 13.3 | 12.2 | 15.3 | 16.71 | 16.5 | 19.7 | 17.3 | 16.7 | 16.5 | 16.1 | 17.1 |
| <b>Cannabis-related specific</b> |      |      |      |       |      |      |      |      |      |      |      |
| <b>Diagnosis</b>                 |      |      |      |       |      |      |      |      |      |      |      |
| <b>F12.0</b>                     | 42   | 34   | 37   | 49    | 48   | 57   | 34   | 41   | 45   | 60   | 69   |
| <b>F12.1</b>                     | 95   | 90   | 92   | 119   | 125  | 117  | 110  | 109  | 96   | 69   | 67   |
| <b>F12.2</b>                     | 339  | 371  | 376  | 480   | 481  | 490  | 494  | 489  | 482  | 457  | 485  |
| <b>F12.3</b>                     | 10   | 4    | 1    | 10    | 7    | 14   | 6    | 8    | 11   | 15   | 20   |
| <b>F12.X*</b>                    | 13   | 18   | 14   | 19    | 21   | 25   | 16   | 16   | 18   | 26   | 24   |
| <b>F12.5</b>                     | 139  | 139  | 127  | 134   | 173  | 161  | 159  | 194  | 199  | 197  | 232  |

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X\* comprises the following CRDs according to ICD-10 : F12.4, F12.6, F12.7, F12.8, F12.9

Supplementary Figure S1. Annual frequencies and estimated (linear) trend line for inpatient cases with cannabis related diagnoses (CRD). CRD-R includes other CRD Diagnoses



Supplementary Figure S2. Annual frequencies for inpatient cases with cannabis-related diagnoses (CRD) in Latin and German language regions

