**Supplementary Table 1:** Healthcare use by dimension during the 2-year period before a first diagnosis of SCZ by the typology of Care Trajectories (CTs) (n=3712)

|                   | CT Type 1 Low HCU | CT Type 2 Sharp 12-month HCU increase, mental Dis. | CT Type 3 Mod. HCU, mental dis., primary care, community services | CT Type 4 High HCU, mental dis., specialized care, psychiatrists | CT Type 5 High HCU, Non-mental dis. | TOTAL |
|-------------------|-------------------|---------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------|-------|
|                   | n=2881 (77.6%)    | n=537 (14.5%)                                     | n=98 (2.6%)                                                 | n=88 (2.4%)                                                 | n=108 (2.9%)                     | n=3712 |
| At least one HCU  | 2779 (96.5)       | 537 (100)                                         | 98 (100)                                                    | 88 (100)                                                     | 108 (100)                        | 3610 (97.2) |
| At least one mental HCU | 2377 (82.5)     | 518 (96.5)                                        | -                                                           | -                                                           | -                                 | 3178 (85.6) |
| WHY               |                   |                                                   |                                                              |                                                              |                                   |       |
| At least one diagnosis of psychosis | 1264 (43.9)     | 324 (60.3)                                         | 54 (55.1)                                                   | 40 (45.4)                                                    | 59 (54.6)                        | 1554 (41.9) |
| At least one diagnosis of mood disorder | 1250 (43.4)     | 319 (59.4)                                         | 64 (65.3)                                                   | 79 (89.8)                                                    | 46 (42.6)                        | 1778 (47.9) |
| At least one diagnosis of anxiety       | 1000 (34.7)   | 251 (46.7)                                         | 52 (53.1)                                                   | 58 (65.9)                                                    | 39 (36.1)                        | 1407 (37.9) |
| At least one diagnosis of another mental dis. | 1227 (42.6)   | 334 (62.2)                                         | 72 (73.5)                                                   | 60 (68.2)                                                    | 88 (81.5)                        | 1941 (52.3) |
| At least one diagnosis of non-mental dis. | 2584 (89.7)   | -                                                 | -                                                           | -                                                           | -                                 | 3386 (91.2) |
| WHERE             |                   |                                                   |                                                              |                                                              |                                   |       |
| At least one hospitalization | 1072 (37.2)    | 355 (66.1)                                         | 55 (56.1)                                                   | 74 (84.1)                                                    | 83 (76.8)                        | 1639 (44.2) |
| At least one ED visit | 2050 (71.2)     | 449 (83.6)                                         | 77 (78.6)                                                   | 79 (89.8)                                                    | 98 (90.7)                        | 2753 (74.2) |
| At least one visit to an outpatient clinic | 1763 (61.2)    | 414 (77.1)                                         | 90 (91.8)                                                   | -                                                           | -                                 | 2449 (66.0) |
| At least one visit to a primary care clinic | 2228 (77.3)   | 443 (82.5)                                         | 87 (88.8)                                                   | 81 (92.0)                                                    | 101 (93.5)                       | 2940 (79.2) |
| At least one visit to a CLSC             | 1470 (51.0)  | 382 (71.1)                                         | 98 (100)                                                    | 72 (81.8)                                                    | 100 (92.6)                       | 2122 (57.2) |
| WHICH             |                   |                                                   |                                                              |                                                              |                                   |       |
| At least one visit to a psychiatrist | 1877 (65.2)    | 450 (83.8)                                         | 78 (79.6)                                                   | 88 (100)                                                    | 75 (69.4)                        | 2568 (69.2) |
| At least one visit to another MD specialist | 1893 (65.7)   | 407 (75.8)                                         | 87 (88.8)                                                   | 77 (87.5)                                                    | 103 (95.4)                       | 2567 (69.2) |
| At least one visit to a GP                | 2498 (86.7) | 487 (90.7)                                         | -                                                           | -                                                           | -                                 | 3270 (88.1) |
| At least one visit to a nurse at CLSC     | 1008 (35.0)  | 269 (50.1)                                         | 80 (81.6)                                                   | 53 (60.2)                                                    | 91 (84.3)                        | 1501 (40.4) |
| At least one visit to another worker at CLSC | 782 (27.1)    | 283 (52.7)                                         | 93 (94.9)                                                   | 54 (61.4)                                                    | 86 (79.6)                        | 1298 (35.0) |
Supplementary Figure 1. Multidimensional state sequence analysis (adapted from Vanasse et al., 2020)

1. Selection of cohort, observation period and time unit

2. Categorical state definition and sequence measure

3. Patient sequences: Dissimilarity measure

4. Pooled Distance Matrix

5. Classification method

6. Visual representations
**Supplementary Figure 2.** Sensitivity analysis: State Distribution Plots of the typology of Care Trajectories (CTs) by dimension (why, where and which) using dynamic Hamming as the distance measure and HCA as the clustering method.
Supplementary Figure 3. Sensitivity analysis: State Distribution Plots of the typology of Care Trajectories (CTs) by dimension (why, where and which) using generalized Hamming as the distance measure and HCA as the clustering method.
Supplementary Figure 4. Sensitivity analysis: State Distribution Plots of the typology of Care Trajectories (CTs) by dimension (why, where and which) using optimal matching as the distance measure and HCA as the clustering method.
Supplementary Figure 5. Sensitivity analysis: State Distribution Plots of the typology of Care Trajectories (CTs) by dimension (why, where and which) using simple Hamming as the distance measure and k-means as the clustering method.
Supplementary Figure 6. Sensitivity analysis: State Distribution Plots of the typology of Care Trajectories (CTs) by dimension (why, where and which) changing the priority order in the which dimension (GP before Other MD Specialist)
Supplementary Figure 7. Sensitivity analysis: State Distribution Plots of the typology of Care Trajectories (CTs) by dimension (why, where and which) using months as the time unit.
Supplementary Figure 8. Sensitivity analysis: State Distribution Plots of the typology of Care Trajectories (CTs) by dimension (why, where and which) using days as the time unit.