**Table S1: Characteristics of patients hospitalized with self-harm in 2019 and between March 1, 2020, and March 31, 2021, with a focus on patients with SARS-CoV-2 hospitalization.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Patients hospitalized with self-harm 2019 |  | Patients hospitalized with self-harm March 2020-March 2021 | With SARS-CoV-2 hospitalization\* |
|  | 63,398 |  | 61,782 | 1,214 |
|   | n | % |  | n | % | n | % |
| **Sociodemographic characteristics** |  |  |  |  |  |  |  |
| Age |  |  |  |  |  |  |  |
| mean (SD) | 45 (17) |  | 45 (18) | 59 (21) |
| median [Q1-Q3] | 44 [31-56] |  | 45 [30-56] | 60 [43-78] |
| Age categories |  |  |  |  |  |  |  |
| 18-29 | 14,648 | 23.10 |  | 14,472 | 23.42 | 132 | 10.87 |
| 30-39 | 11,166 | 17.61 |  | 10,482 | 16.97 | 119 | 9.80 |
| 40-49 | 13,644 | 21.52 |  | 12,683 | 20.53 | 158 | 13.01 |
| 50-59 | 11,949 | 18.85 |  | 11,638 | 18.84 | 191 | 15.73 |
| 60-69 | 6,131 | 9.67 |  | 6,179 | 10.00 | 183 | 15.07 |
| 70-79 | 3,164 | 4.99 |  | 3,273 | 5.30 | 162 | 13.34 |
| 80-89 | 2,089 | 3.30 |  | 2,370 | 3.84 | 188 | 15.49 |
| >=90 | 607 | 0.96 |  | 685 | 1.11 | 81 | 6.67 |
|  |  |  |  |  |  |  |  |
| Sex=Men | 26,676 | 42.08 |  | 26,624 | 43.09 | 572 | 47.12 |
| **Medical characteristics** |  |  |  |  |  |  |  |
| Admission to intensive care unit at inclusion | 8,307 | 13.10 |  | 8,828 | 14.29 | 244 | 20.10 |
| Somatic disorders at inclusion or in the 6 previous years | 48,044 | 75.78 |  | 46,141 | 74.68 | 1,036 | 85.34 |
| Psychiatric disorders  at inclusion or in the 6 previous years | 47,758 | 75.33 |  | 47,609 | 77.06 | 979 | 80.64 |
| Self-harm in the 6 previous years \*\* | 14,257 | 22.49 |  | 13,944 | 22.57 | 259 | 21.33 |

 *\* before self-harm readmission or the end of follow-up*

*\*\* self-harm at the inclusion stay was not considered for this variable as it was already used as an inclusion criterion*

**Table S2: Risk of hospitalization for self-harm recurrence within one year in patients admitted to hospital for self-harm between March 1, 2020, and September 30, 2020, according to SARS-CoV-2 hospitalization** **in multivariable Fine & Gray analysis.**

|  |  |  |  |
| --- | --- | --- | --- |
|   | Model 1 : Age as a categorical variable HR [95% CI] | Model 2 : Age as a continuous variable HR [95% CI] | Model 3 : Age as a continuous variable (quadratic effect) HR [95% CI] |
| SARS-CoV-2 a | 3.40 [2.93-3.95] | 3.52 [3.03-4.09] | 3.37 [2.90-3.91] |
| Self-harm in the 7 previous years b | 2.16 [2.05-2.28] | 2.10 [2.00-2.21] | 2.18 [2.06-2.29] |
| Psychiatric disorders at inclusion or in the 7 previous years c | 1.77 [1.65-1.90] | 1.73 [1.62-1.86] | 1.79 [1.67-1.92] |
| *HR = Hazard ratio ; CI = Confidence interval* |  |  |
| *a : adjusted on age, sex, intensive care unit admission at inclusion, somatic disorders at inclusion or in the 7 previous years, self-harm in the 7 previous year, psychiatric disorders at inclusion or in the 7 previous years, period of the epidemic* |
| *b : adjusted on age, sex, intensive care unit admission at inclusion, somatic disorders at inclusion or in the 7 previous years, psychiatric disorders at inclusion or in the 7 previous years, period of the epidemic* |
| *c : adjusted on age, sex, intensive care unit admission at inclusion, somatic disorders at inclusion or in the 7 previous years, period of the epidemic* |

**Table S3: Risk of hospitalization for self-harm recurrence within one year in patients admitted to hospital for self-harm between October 1, 2020, and March 31, 2021, according to SARS-CoV-2 hospitalization** **in multivariable Fine & Gray analysis.**

|  |  |  |  |
| --- | --- | --- | --- |
|   | Model 1 : Age as a categorical variable HR [95% CI] | Model 2 : Age as a continuous variable HR [95% CI] | Model 3 : Age as a continuous variable (quadratic effect) HR [95% CI] |
| SARS-CoV-2 a | 2.44 [2.10-2.83] | 2.64 [2.28-3.07] | 2.46 [2.12-2.85] |
| Self-harm in the 7 previous years b | 1.80 [1.69-1.93] | 1.73 [1.62-1.85] | 1.81 [1.69-1.94] |
| Psychiatric disorders at inclusion or in the 7 previous years c | 1.50 [1.38-1.62] | 1.45 [1.34-1.57] | 1.51 [1.40-1.64] |
| *HR = Hazard ratio ; CI = Confidence interval* |  |  |
| *a : adjusted on age, sex, intensive care unit admission at inclusion, somatic disorders at inclusion or in the 7 previous years, self-harm in the 7 previous year, psychiatric disorders at inclusion or in the 7 previous years, period of the epidemic* |
| *b : adjusted on age, sex, intensive care unit admission at inclusion, somatic disorders at inclusion or in the 7 previous years, psychiatric disorders at inclusion or in the 7 previous years, period of the epidemic* |
| *c : adjusted on age, sex, intensive care unit admission at inclusion, somatic disorders at inclusion or in the 7 previous years, period of the epidemic***Table S4: Risk of hospitalization for self-harm recurrence within one year in patients admitted to hospital for self-harm between March 1, 2020, and March 31, 2021, according to SARS-Cov-2 hospitalization** **in multivariable Fine & Gray analysis, including a deprivation index as an adjustment factor.**

|  |  |  |  |
| --- | --- | --- | --- |
|   | Model 1 : Age as a categorical variable HR [95% CI] | Model 2 : Age as a continuous variable HR [95% CI] | Model 3 : Age as a continuous variable (quadratic effect) HR [95% CI] |
| SARS-CoV-2 a | 2.82 [2.52-3.15] | 3.00 [2.69-3.35] | 2.82 [2.52-3.15] |
| Self-harm in the 7 previous years b | 2.03 [1.95-2.12] | 1.97 [1.89-2.05] | 2.04 [1.96-2.13] |
| Psychiatric disorders at inclusion or in the 7 previous years c | 1.64 [1.55-1.73] | 1.60 [1.52-1.69] | 1.66 [1.57-1.75] |
| *HR = Hazard ratio ; CI = Confidence interval* |  |  |
| *a : adjusted on age, sex, intensive care unit admission at inclusion, somatic disorders at inclusion or in the 7 previous years, self-harm in the 7 previous year, psychiatric disorders at inclusion or in the 7 previous years, period of the epidemic* |
| *b : adjusted on age, sex, intensive care unit admission at inclusion, somatic disorders at inclusion or in the 7 previous years, psychiatric disorders at inclusion or in the 7 previous years, period of the epidemic* |
| *c : adjusted on age, sex, intensive care unit admission at inclusion, somatic disorders at inclusion or in the 7 previous years, period of the epidemic* |

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