

## Supplementary

**Table S1.** Characteristics of unmatched SMI patients.

Unmatched SMI patients (n=14,656)	
Characteristics	Mean ( $\pm$ SD) or n (%)
<i>Demographic characteristics</i>	
Age	47.82 ( $\pm$ 11.75)
Sex (female)	6,645 (45.34)
<i>Socio-economic characteristics at the individual level</i>	
Inclusion in the scheme covering healthcare costs for low-income groups (CMU-C)	522 (4.64)
Missing values	3,399 (23.19)
Inclusion in the scheme providing financial assistance for the purchase of supplementary health insurance (ACS)	744 (6.61)
Missing values	3,398 (23.19)
<i>Characteristics of the living environment</i>	
Quintile of deprivation index (FDep) (from lower to higher deprivation)	
1 <sup>st</sup> quintile	654 (4.46)
2 <sup>nd</sup> quintile	446 (3.04)
3 <sup>rd</sup> quintile	481 (3.28)
4 <sup>th</sup> quintile	468 (3.19)
5 <sup>th</sup> quintile	467 (3.19)
Missing values <sup>1</sup>	12,140 (82.83)
Social fragmentation	3.99 ( $\pm$ 2.60)
Missing values	11,996 (81.85)
Residency in an overseas territory	136 (0.93)
<i>Clinical characteristics</i>	
Comorbidity index	1.55 (3.00)
Ischemic heart disease	261 (1.78)
Cerebrovascular disease	179 (1.22)
Heart failure or arrhythmias or valve diseases	275 (1.88)
Peripheral vascular disease	106 (0.72)
Diabetes	972 (6.63)
Cancer	288 (1.97)
History of cancer	309 (2.11)
Substance abuse disorders	1,357 (9.26)
Dementia (including Alzheimer's disease)	125 (0.85)
Parkinson disease	57 (0.39)



Multiple sclerosis or paraplegia or tetraplegia	78 (0.53)
Epilepsy	311 (2.12)
Chronic respiratory diseases (including asthma and COPD <sup>2</sup> )	805 (5.49)
Rheumatoid arthritis or systemic and connective tissue diseases	66 (0.45)
HIV infection or AIDS <sup>3</sup>	61 (0.42)
End-stage renal disease	16 (0.11)
Liver and pancreas diseases (including chronic and acute failures)	313 (2.14)
<b><i>Use of prevention</i></b>	
<i>Use of general preventive care services</i>	
Use of immunization (diphtheria, tetanus, and polio vaccine / hepatitis b vaccine)	766 (5.23) / 88 (0.60)
Use of breast cancer and cervical cancer screening (for women only)	3,165 (47.63)
Use of colorectal cancer screening	1,216 (8.30)
<i>Use of specific prevention targeting the adverse effects of antipsychotic drugs</i>	
Use of electrocardiogram	1,742 (11.89)
Use of blood test, glucose test and cholesterol test (all three)	6,743 (46.01)
<b><i>Use of primary care and routine specialized somatic care</i></b>	
Existence of designated gatekeeper physician (general practitioner or any other physician)	11,567 (78.92)
Average number of contacts with a general practitioner	9.91 ( $\pm$ 13.04)
Average number of contacts with a specialist physician <sup>4</sup>	2.40 ( $\pm$ 4.29)
Use of dental care	7,356 (50.19)
Use of gynecological care (for women only)	2,330 (35.06)
Use of contraception (for women of child-bearing age only)	536 (32.43)
Use of ophthalmological care	4,759 (32.47)
<b><i>Admissions to non-psychiatric hospital departments for somatic causes</i></b>	
Admission to emergency somatic care (in emergency departments)	5,388 (36.76)
Average total number of visits to somatic emergency departments	0.93 ( $\pm$ 2.72)
Average number of visits to somatic emergency departments followed by a hospitalization	0.26 ( $\pm$ 0.92)



Average number of visits to somatic emergency departments not precursor to a subsequent hospitalization	0.67 ( $\pm 2.15$ )
Admission to hospital somatic departments <sup>5</sup>	4,853 (33.11)
Admission for a avoidable hospitalization <sup>6</sup>	362 (2.47)

<sup>1</sup> Most missing values were linked to the lack of availability of this index for overseas territories.

<sup>2</sup> COPD: chronic obstructive pulmonary disease

<sup>3</sup> HIV: human immunodeficiency virus; AIDS: acquired immune deficiency syndrome

<sup>4</sup> Including cardiologists, dermatologists, gynaecologists, gastroenterologists, ophthalmologists, otolaryngologists and rheumatologists but excluding psychiatrists.

<sup>5</sup> Excluding hospitalizations in somatic departments for psychiatric conditions or suicide attempts.

<sup>6</sup> Hospitalizations for asthma, congestive heart failure, chronic obstructive pulmonary disease, dehydration, complications of diabetes, angina (chest pain), dental problem, nutritional deficiency, conditions following immunization.

## Detailed results of the multivariable analyses

**Table S2.** Use of preventive care services.

Characteristics	Use of immunization (diphtheria, tetanus, and polio vaccine)		Use of immunization (hepatitis b vaccine)		Use of breast cancer and cervical cancer screening (for women only)		Use of colorectal cancer screening		Use of electrocardiogram		Use of blood test, glucose test and cholesterol test (all three)	
	AOR (95% CI)	Adjusted P-value	AOR (95% CI)	Adjusted P-value	AOR (95% CI)	Adjusted P-value	AOR (95% CI)	Adjusted P-value	AOR (95% CI)	Adjusted P-value	AOR (95% CI)	Adjusted P-value
<i>Clinical characteristics</i>												
Presence of a SMI diagnosis (vs. absence)	0.99 (0.97-1.00)	n.s.	0.91 (0.87-0.96)	0.0002	0.68 (0.67-0.69)	<0.0001	0.81 (0.80-0.82)	<0.0001	1.10 (1.09-1.11)	<0.0001	1.24 (1.23-1.25)	<0.0001
Comorbidity index	0.99 (0.98-0.99)	<0.0001	1.05 (1.05-1.06)	<0.0001	0.98 (0.97-0.98)	<0.0001	1.00 (1.00-1.01)	<0.0001	1.11 (1.10-1.11)	<0.0001	1.06 (1.06-1.06)	<0.0001
Length of stay in inpatient psychiatric care over the two-year study period (ref: >365 days)												
0 days	2.40 (2.00-2.87)	<0.0001	1.55 (1.00-2.38)	0.0477	2.40 (2.14-2.68)	<0.0001	3.78 (3.12-4.59)	<0.0001	0.78 (0.71-0.85)	<0.0001	2.28 (2.14-2.44)	<0.0001
1-60 days	2.47 (2.06-2.96)	<0.0001	2.03 (1.31-3.14)	0.0014	2.07 (1.85-2.32)	<0.0001	2.47 (2.03-3.01)	<0.0001	1.15 (1.06-1.26)	0.0016	2.51 (2.35-2.68)	<0.0001

61-180 days	2.13 (1.77- 2.56)	<0.0001	1.65 (1.05- 2.57)	0.0285	1.82 (1.62- 2.04)	<0.0001	2.17 (1.77- 2.64)	<0.0001	1.40 (1.28- 1.54)	<0.0001	2.31 (2.16- 2.48)	<0.0001
181-365 days	1.59 (1.30- 1.94)	<0.0001	1.52 (0.95- 2.45)	n.s.	1.32 (1.16- 1.50)	<0.0001	1.26 (1.01- 1.58)	0.0369	1.24 (1.12- 1.37)	<0.0001	1.54 (1.43- 1.65)	<0.0001

#### Socio-economic characteristics at the individual level

Non-inclusion in the scheme providing financial assistance for the purchase of supplementary health insurance (ACS) (vs. inclusion)	0.98 (0.96- 1.01)	n.s.	0.87 (0.82- 0.93)	<0.0001	1.34 (1.32- 1.37)	<0.0001	1.24 (1.21- 1.27)	<0.0001	1.04 (1.02- 1.06)	<0.0001	1.02 (1.00- 1.03)	0.0101
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#### Characteristics of the living environment

Social fragmentation	1.00 (0.99- 1.00)	0.0149	1.03 (1.02- 1.04)	<0.0001	0.96 (0.96- 0.97)	<0.0001	0.96 (0.95- 0.96)	<0.0001	0.97 (0.97- 0.97)	<0.0001	0.97 (0.97- 0.97)	<0.0001
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Taxonomy of French local geographical areas (ref : *ad hoc* category created for overseas territories which present similarities in terms of accessibility to healthcare)

1: Suburban areas with a lower	1.12 (1.08- 1.17)	<0.0001	0.66 (0.59- 0.73)	<0.0001	1.43 (1.39- 1.48)	<0.0001	1.55 (1.49- 1.62)	<0.0001	0.68 (0.65- 0.70)	<0.0001	0.88 (0.86- 0.90)	<0.0001
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accessibility to healthcare and medium overall health status of the population

2: Rural borders with a lower accessibility to healthcare

1.07 (1.03- 1.12)	0.0018	0.64 (0.57- 0.73)	<0.0001	1.31 (1.27- 1.36)	<0.0001	1.67 (1.60- 1.75)	<0.0001	0.62 (0.60- 0.64)	<0.0001	0.98 (0.95- 1.00)	0.0369
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3: Areas with a strong attraction for tourist and retired populations and the best accessibility to healthcare

0.98 (0.94- 1.02)	n.s.	0.59 (0.52- 0.67)	<0.0001	1.50 (1.45- 1.55)	<0.0001	1.40 (1.34- 1.47)	<0.0001	0.75 (0.72- 0.77)	<0.0001	1.04 (1.01- 1.06)	0.002
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4: Deprived areas, urban and rural, with poor overall health status of the population

1.15 (1.11- 1.2)	<0.0001	0.66 (0.59- 0.73)	<0.0001	1.23 (1.19- 1.27)	<0.0001	1.48 (1.41- 1.54)	<0.0001	0.68 (0.66- 0.70)	<0.0001	0.96 (0.94- 0.98)	0.0005
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5: Cities with abundant healthcare supply and heterogeneous socio-economic situations

1.09 (1.05- 1.13)	<0.0001	0.77 (0.70- 0.85)	<0.0001	1.38 (1.34- 1.42)	<0.0001	1.39 (1.33- 1.45)	<0.0001	0.80 (0.78- 0.82)	<0.0001	0.92 (0.90- 0.94)	<0.0001
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6: Wealthy cities and sub-urban areas

1.09 (1.05- 1.14)	<0.0001	0.68 (0.62- 0.75)	<0.0001	1.55 (1.50- 1.59)	<0.0001	1.33 (1.28- 1.39)	<0.0001	0.78 (0.76- 0.80)	<0.0001	0.88 (0.86- 0.89)	<0.0001
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Urban area zoning (ref:  
isolated municipality  
located outside the  
sphere of influence of a  
urban center)

Large urban center	0.99 (0.95- 1.03)	n.s.	0.88 (0.78- 0.99)	0.0379	1.11 (1.08- 1.14)	<0.0001	0.96 (0.93- 0.99)	0.0091	1.03 (1.00- 1.07)	n.s.	0.97 (0.95- 0.99)	0.0007
Suburban municipality of a large urban center	1.02 (0.98- 1.06)	n.s.	0.82 (0.72- 0.93)	0.0015	1.10 (1.07- 1.13)	<0.0001	0.97 (0.94- 1.00)	n.s.	0.96 (0.93- 0.99)	0.0218	0.94 (0.93- 0.96)	<0.0001
Suburban municipality of several large urban centers	1.06 (1.01- 1.11)	0.011	0.82 (0.71- 0.95)	0.0094	1.08 (1.04- 1.12)	<0.0001	0.98 (0.94- 1.02)	n.s.	0.95 (0.91- 0.99)	0.0089	0.99 (0.97- 1.01)	n.s.
Average urban center	0.96 (0.92- 1.01)	n.s.	0.91 (0.79- 1.05)	n.s.	1.14 (1.10- 1.18)	<0.0001	1.08 (1.03- 1.12)	0.0003	0.94 (0.90- 0.97)	0.0016	0.93 (0.90- 0.95)	<0.0001
Suburban municipality of an average urban center	0.94 (0.85- 1.04)	n.s.	0.85 (0.61- 1.17)	n.s.	1.12 (1.04- 1.21)	0.0025	1.05 (0.97- 1.13)	n.s.	0.92 (0.85- 1.00)	n.s.	0.90 (0.86- 0.95)	<0.0001
Small urban center	1.02 (0.98- 1.07)	n.s.	0.85 (0.74- 0.99)	0.0327	1.05 (1.02- 1.09)	0.0028	1.07 (1.03- 1.11)	0.0005	1.03 (0.99- 1.07)	n.s.	1.01 (0.98- 1.03)	n.s.
Suburban municipality of a small urban center	0.82 (0.71- 0.96)	0.0111	0.93 (0.60- 1.45)	n.s.	0.95 (0.85- 1.05)	n.s.	1.01 (0.91- 1.13)	n.s.	0.86 (0.76- 0.97)	0.0152	1.00 (0.93- 1.07)	n.s.
Suburban municipality of several average or small urban centers	1.04 (0.99- 1.08)	n.s.	0.84 (0.73- 0.96)	0.0127	1.02 (0.99- 1.06)	n.s.	0.93 (0.90- 0.96)	<0.0001	0.91 (0.87- 0.94)	<0.0001	0.95 (0.92- 0.97)	<0.0001

**Table S3.** Use of primary care and routine specialized somatic care.

Characteristics	Existence of a designated gatekeeper physician (GP or any other physician)				Average number of contacts with a specialist physician <sup>1</sup>				Use of dental care				Use of gynecological care (for women only)		Use of contraception (for women of child-bearing age only)		Use of ophthalmological care	
	AOR (95% CI)	Adjusted P-value	AOR (95% CI)	Adjusted P-value	AOR (95% CI)	Adjusted P-value	AOR (95% CI)	Adjusted P-value	AOR (95% CI)	Adjusted P-value	AOR (95% CI)	Adjusted P-value	AOR (95% CI)	Adjusted P-value	AOR (95% CI)	Adjusted P-value	AOR (95% CI)	Adjusted P-value
<i>Clinical characteristics</i>																		
Presence of a SMI diagnosis (vs. absence)	1.21 (1.20-1.22)	<0.0001	1.21 (1.20-1.21)	<0.0001	0.70 (0.70-0.71)	<0.0001	0.88 (0.88-0.89)	<0.0001	0.63 (0.62-0.64)	<0.0001	0.76 (0.74-0.77)	<0.0001	0.71 (0.70-0.72)	<0.0001				
Comorbidity index	1.06 (1.05-1.06)	<0.0001	1.07 (1.07-1.07)	<0.0001	1.05 (1.04-1.05)	<0.0001	0.96 (0.96-0.96)	<0.0001	0.92 (0.92-0.92)	<0.0001	0.96 (0.96-0.96)	<0.0001	1.01 (1.01-1.01)	<0.0001				
Length of stay in inpatient psychiatric care over the two-year study period (ref: >365 days)																		
0 days	6.61 (6.19-7.05)	<0.0001	3.48 (3.26-3.71)	<0.0001	2.74 (2.52-2.98)	<0.0001	1.97 (1.84-2.10)	<0.0001	1.69 (1.51-1.89)	<0.0001	1.00 (0.86-1.16)	n.s.	2.57 (2.37-2.79)	<0.0001				
1-60 days	6.98 (6.53-7.46)	<0.0001	4.10 (3.84-4.37)	<0.0001	2.41 (2.21-2.62)	<0.0001	2.07 (1.94-2.21)	<0.0001	1.86 (1.65-2.08)	<0.0001	1.13 (0.97-1.31)	n.s.	2.27 (2.09-2.46)	<0.0001				



61-180 days	5.08 (4.74- 5.45)	<0.0001	3.45 (3.22- 3.68)	<0.0001	2.10 (1.93- 2.29)	<0.0001	1.82 (1.70- 1.94)	<0.0001	1.67 (1.48- 1.88)	<0.0001	1.10 (0.94- 1.29)	n.s.	1.94 (1.79- 2.11)	<0.0001
181-365 days	2.43 (2.26- 2.62)	<0.0001	2.11 (1.97- 2.27)	<0.0001	1.56 (1.42- 1.71)	<0.0001	1.28 (1.19- 1.37)	<0.0001	1.22 (1.07- 1.39)	0.0025	0.99 (0.83- 1.18)	n.s.	1.44 (1.31- 1.58)	<0.0001

*Socio-economic characteristics at the individual level*

Non-inclusion in the scheme providing financial assistance for the purchase of supplementary health insurance (ACS) (vs. inclusion)	1.00 (0.98- 1.01)	n.s.	0.87 (0.86- 0.88)	<0.0001	1.19 (1.17- 1.21)	<0.0001	1.19 (1.17- 1.20)	<0.0001	1.39 (1.36- 1.41)	<0.0001	0.99 (0.96- 1.02)	n.s.	1.31 (1.29- 1.32)	<0.0001
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*Characteristics of the living environment*

Social fragmentation	0.94 (0.93- 0.94)	<0.0001	1.00 (1.00- 1.00)	<0.0001	0.99 (0.99- 0.99)	<0.0001	0.98 (0.98- 0.98)	<0.0001	0.98 (0.98- 0.99)	<0.0001	0.98 (0.98- 0.98)	<0.0001	0.96 (0.96- 0.97)	<0.0001
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Taxonomy of  
French local  
geographical  
areas (ref : *ad  
hoc* category  
created for  
overseas

territories

which present  
similarities in  
terms of  
accessibility to  
healthcare)

1: Suburban  
areas with a  
lower

accessibility to healthcare and medium overall health status of the population

	1.79 (1.74- 1.83)	<0.0001	0.94 (0.93- 0.95)	<0.0001	1.11 (1.09- 1.14)	<0.0001	1.62 (1.58- 1.65)	<0.0001	1.27 (1.23- 1.32)	<0.0001	1.02 (0.96- 1.07)	n.s.	1.32 (1.29- 1.35)	<0.0001
accessibility to healthcare and medium overall health status of the population	1.79 (1.74- 1.83)	<0.0001	0.94 (0.93- 0.95)	<0.0001	1.11 (1.09- 1.14)	<0.0001	1.62 (1.58- 1.65)	<0.0001	1.27 (1.23- 1.32)	<0.0001	1.02 (0.96- 1.07)	n.s.	1.32 (1.29- 1.35)	<0.0001

2: Rural  
borders with a lower accessibility to healthcare

3: Areas with a strong attraction for tourist and retired populations and the best

	1.76 (1.71- 1.80)	<0.0001	0.96 (0.95- 0.98)	<0.0001	1.03 (1.00- 1.05)	n.s.	1.50 (1.47- 1.54)	<0.0001	1.08 (1.04- 1.12)	0.0001	1.00 (0.94- 1.06)	n.s.	1.23 (1.20- 1.26)	<0.0001
borders with a lower accessibility to healthcare	1.76 (1.71- 1.80)	<0.0001	0.96 (0.95- 0.98)	<0.0001	1.03 (1.00- 1.05)	n.s.	1.50 (1.47- 1.54)	<0.0001	1.08 (1.04- 1.12)	0.0001	1.00 (0.94- 1.06)	n.s.	1.23 (1.20- 1.26)	<0.0001

	1.63 (1.58- 1.67)	<0.0001	0.99 (0.97- 1.00)	n.s.	1.28 (1.25- 1.31)	<0.0001	1.78 (1.74- 1.82)	<0.0001	1.28 (1.24- 1.33)	<0.0001	0.89 (0.84- 0.94)	<0.0001	1.39 (1.36- 1.43)	<0.0001
attraction for tourist and retired populations and the best	1.63 (1.58- 1.67)	<0.0001	0.99 (0.97- 1.00)	n.s.	1.28 (1.25- 1.31)	<0.0001	1.78 (1.74- 1.82)	<0.0001	1.28 (1.24- 1.33)	<0.0001	0.89 (0.84- 0.94)	<0.0001	1.39 (1.36- 1.43)	<0.0001

accessibility to

healthcare

4: Deprived

areas, urban

and rural, with poor overall 2.03 (1.98-  
2.08) <0.0001 1.08 (1.06-  
1.09) <0.0001 1.04 (1.01-  
1.06) 0.0043 1.38 (1.35-  
1.41) <0.0001 1.14 (1.10-  
1.18) <0.0001 1.09 (1.03-  
1.15) 0.0019 1.17 (1.15-  
1.20) <0.0001

health status of

the population

5: Cities with

abundant

healthcare supply and heterogeneous socio-economic situations 1.72 (1.68-  
1.76) <0.0001 1.02 (1.01-  
1.03) 0.0069 1.22 (1.19-  
1.25) <0.0001 1.60 (1.57-  
1.64) <0.0001 1.38 (1.34-  
1.43) <0.0001 0.97 (0.92-  
1.02) n.s. 1.33 (1.30-  
1.36) <0.0001

6: Wealthy cities and sub-urban areas 1.30 (1.27-  
1.33) <0.0001 0.87 (0.86-  
0.88) <0.0001 1.35 (1.32-  
1.38) <0.0001 1.79 (1.76-  
1.83) <0.0001 1.68 (1.62-  
1.74) <0.0001 0.82 (0.78-  
0.86) <0.0001 1.51 (1.48-  
1.55) <0.0001

Urban area

zoning (ref:

isolated

municipality

located outside

the sphere of influence of a urban center)



Large urban center	1.05 (1.03-1.08)	<0.0001	1.02 (1.00-1.03)	0.0103	1.15 (1.13-1.17)	<0.0001	1.09 (1.07-1.11)	<0.0001	1.29 (1.25-1.33)	<0.0001	0.96 (0.92-1.01)	n.s.	1.14 (1.12-1.17)	<0.0001
Suburban														
municipality of a large urban center	1.04 (1.02-1.07)	0.0017	0.99 (0.98-1.00)	n.s.	1.08 (1.06-1.10)	<0.0001	1.09 (1.06-1.11)	<0.0001	1.27 (1.23-1.31)	<0.0001	0.99 (0.94-1.04)	n.s.	1.10 (1.08-1.13)	<0.0001
Suburban														
municipality of several large urban centers	1.07 (1.04-1.11)	<0.0001	1.02 (1.01-1.04)	0.0056	1.08 (1.06-1.10)	<0.0001	1.07 (1.04-1.09)	<0.0001	1.17 (1.13-1.21)	<0.0001	0.99 (0.93-1.05)	n.s.	1.07 (1.05-1.10)	<0.0001
Average urban center	1.13 (1.10-1.16)	<0.0001	0.97 (0.96-0.99)	0.0005	1.06 (1.03-1.09)	<0.0001	1.09 (1.07-1.12)	<0.0001	1.07 (1.03-1.11)	0.0002	1.00 (0.94-1.06)	n.s.	1.08 (1.06-1.11)	<0.0001
Suburban														
municipality of an average urban center	1.02 (0.96-1.09)	n.s.	0.86 (0.84-0.89)	<0.0001	0.99 (0.94-1.03)	n.s.	1.08 (1.02-1.13)	0.0048	1.07 (0.99-1.15)	n.s.	1.01 (0.89-1.14)	n.s.	1.05 (1.00-1.10)	n.s.
Small urban center	1.09 (1.06-1.13)	<0.0001	1.02 (1.00-1.03)	0.017	1.05 (1.03-1.08)	<0.0001	1.01 (0.98-1.03)	n.s.	1.09 (1.05-1.13)	<0.0001	1.02 (0.96-1.08)	n.s.	1.07 (1.05-1.10)	<0.0001
Suburban														
municipality of a small urban center	1.03 (0.94-1.12)	n.s.	0.97 (0.92-1.01)	n.s.	1.04 (0.98-1.11)	n.s.	1.03 (0.96-1.11)	n.s.	1.08 (0.98-1.20)	n.s.	1.08 (0.90-1.30)	n.s.	0.95 (0.88-1.02)	n.s.
Suburban														
municipality of several average	1.00 (0.98-1.03)	n.s.	0.98 (0.96-0.99)	0.0005	1.03 (1.01-1.06)	0.0011	1.00 (0.97-1.02)	n.s.	1.08 (1.05-1.12)	<0.0001	1.00 (0.95-1.06)	n.s.	1.05 (1.03-1.07)	<0.0001

or small urban  
centers

<sup>1</sup> Including cardiologists, dermatologists, gynaecologists, gastroenterologists, ophthalmologists, otolaryngologists and rheumatologists but excluding psychiatrists.

**Table S4.** Admissions to non-psychiatric hospital departments for somatic causes.

Characteristics	Average number of visits											
	Admission to emergency		Average total number of visits to somatic emergency departments		Average number of visits to somatic emergency departments followed by a hospitalization		to somatic emergency departments not precursor to a subsequent hospitalization		Admission to hospital somatic departments <sup>1</sup>		Admission for a avoidable hospitalization <sup>2</sup>	
	AOR (95% CI)	Adjusted P-value	AOR (95% CI)	Adjusted P-value	AOR (95% CI)	Adjusted P-value	AOR (95% CI)	Adjusted P-value	AOR (95% CI)	Adjusted P-value	AOR (95% CI)	Adjusted P-value
<i>Clinical characteristics</i>												
Presence of a SMI diagnosis (vs. absence)	1.13 (1.12-1.14)	<0.0001	1.18 (1.17-1.19)	<0.0001	1.38 (1.35-1.40)	<0.0001	1.14 (1.13-1.15)	<0.0001	0.99 (0.98-1.00)	0.0062	2.01 (1.94-2.08)	<0.0001
Comorbidity index	1.07 (1.07-1.07)	<0.0001	1.08 (1.08-1.08)	<0.0001	1.17 (1.17-1.18)	<0.0001	1.05 (1.05-1.05)	<0.0001	1.16 (1.16-1.16)	<0.0001	1.16 (1.15-1.16)	<0.0001
Length of stay in inpatient psychiatric care over the two-year study period (ref: >365 days)	0.33 (0.31-0.35)	<0.0001	0.26 (0.24-0.28)	<0.0001	0.18 (0.17-0.20)	<0.0001	0.29 (0.26-0.31)	<0.0001	0.41 (0.38-0.43)	<0.0001	0.31 (0.27-0.36)	<0.0001

1-60 days	1.59 (1.49- 1.70)	<0.0001	0.86 (0.81- 0.93)	<0.0001	0.80 (0.74- 0.86)	<0.0001	0.89 (0.82- 0.96)	0.0041	1.04 (0.98- 1.11)	n.s.	0.48 (0.42- 0.55)	<0.0001
61-180 days	1.8 (1.69- 1.93)	<0.0001	1.09 (1.02- 1.17)	0.0173	1.06 (0.98- 1.14)	n.s.	1.10 (1.02- 1.20)	0.0196	1.20 (1.12- 1.29)	<0.0001	0.56 (0.49- 0.65)	<0.0001
181-365 days	1.45 (1.35- 1.56)	<0.0001	1.16 (1.07- 1.25)	0.0002	1.13 (1.04- 1.22)	0.0038	1.17 (1.07- 1.28)	0.0008	1.22 (1.13- 1.31)	<0.0001	0.77 (0.66- 0.90)	0.0013

*Socio-economic characteristics at the individual level*

Non-inclusion in the scheme providing financial assistance for the purchase of supplementary health insurance (ACS) (vs. inclusion)	0.85 (0.84- 0.86)	<0.0001	0.81 (0.80- 0.82)	<0.0001	0.83 (0.82- 0.85)	<0.0001	0.80 (0.79- 0.82)	<0.0001	0.97 (0.96- 0.99)	0.0001	0.72 (0.69- 0.75)	<0.0001
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<i>Characteristics of the living environment</i>												
Social fragmentation	1.00 (1.00- 1.00)	0.016	1.01 (1.01- 1.01)	<0.0001	1.00 (1.00- 1.01)	0.0022	1.01 (1.01- 1.01)	<0.0001	0.99 (0.99- 0.99)	<0.0001	1.01 (1.00- 1.01)	n.s.

Taxonomy of French local geographical areas (ref : *ad hoc* category created for overseas territories which present similarities in terms of accessibility to healthcare)

1: Suburban areas with a lower accessibility to healthcare and medium overall health status of the population	1.35 (1.32-1.38)	<0.0001	1.23 (1.20-1.27)	<0.0001	0.93 (0.89-0.98)	0.0033	1.32 (1.29-1.36)	<0.0001	1.33 (1.30-1.37)	<0.0001	1.31 (1.18-1.46)	<0.0001
2: Rural borders with a lower accessibility to healthcare	1.45 (1.41-1.48)	<0.0001	1.32 (1.28-1.36)	<0.0001	1.02 (0.97-1.08)	n.s.	1.40 (1.36-1.45)	<0.0001	1.39 (1.36-1.43)	<0.0001	1.42 (1.27-1.58)	<0.0001
3: Areas with a strong attraction for tourist and retired populations and the best accessibility to healthcare	1.25 (1.21-1.28)	<0.0001	1.16 (1.13-1.20)	<0.0001	0.88 (0.83-0.92)	<0.0001	1.25 (1.21-1.29)	<0.0001	1.38 (1.35-1.42)	<0.0001	1.27 (1.13-1.42)	<0.0001
4: Deprived areas, urban and rural, with poor overall health status of the population	1.48 (1.45-1.52)	<0.0001	1.35 (1.31-1.38)	<0.0001	1.13 (1.08-1.18)	<0.0001	1.41 (1.37-1.45)	<0.0001	1.42 (1.38-1.45)	<0.0001	1.62 (1.46-1.79)	<0.0001
5: Cities with abundant healthcare supply and heterogeneous	1.40 (1.37-1.43)	<0.0001	1.30 (1.27-1.33)	<0.0001	0.91 (0.87-0.95)	<0.0001	1.41 (1.37-1.45)	<0.0001	1.34 (1.31-1.37)	<0.0001	1.30 (1.18-1.44)	<0.0001

socio-economic

situations

6: Wealthy cities and sub-urban areas	1.10 (1.07-1.12)	<0.0001	1.04 (1.01-1.07)	0.0073	0.73 (0.69-0.76)	<0.0001	1.13 (1.10-1.16)	<0.0001	1.25 (1.22-1.28)	<0.0001	1.04 (0.94-1.16)	n.s.
Urban area zoning												
(ref: isolated municipality located outside the sphere of influence of a urban center)												
Large urban center	1.25 (1.22-1.28)	<0.0001	1.26 (1.23-1.29)	<0.0001	0.99 (0.95-1.03)	n.s.	1.35 (1.32-1.39)	<0.0001	1.03 (1.01-1.05)	0.0154	1.00 (0.91-1.10)	n.s.
Suburban municipality of a large urban center	1.11 (1.09-1.14)	<0.0001	1.10 (1.08-1.13)	<0.0001	0.91 (0.88-0.95)	<0.0001	1.16 (1.14-1.20)	<0.0001	1.01 (0.98-1.03)	n.s.	0.92 (0.83-1.02)	n.s.
Suburban municipality of several large urban centers	1.11 (1.08-1.14)	<0.0001	1.09 (1.07-1.12)	<0.0001	0.91 (0.87-0.96)	0.0001	1.15 (1.12-1.19)	<0.0001	1.00 (0.97-1.02)	n.s.	1.05 (0.94-1.18)	n.s.
Average urban center	1.40 (1.36-1.43)	<0.0001	1.40 (1.36-1.44)	<0.0001	1.02 (0.97-1.07)	n.s.	1.52 (1.48-1.57)	<0.0001	1.02 (1.00-1.05)	n.s.	1.11 (0.99-1.24)	n.s.
Suburban municipality of an average urban center	1.26 (1.19-1.33)	<0.0001	1.19 (1.13-1.25)	<0.0001	0.85 (0.77-0.94)	0.0012	1.30 (1.23-1.37)	<0.0001	0.96 (0.91-1.02)	n.s.	1.06 (0.84-1.35)	n.s.
Small urban center	1.10 (1.07-1.13)	<0.0001	1.12 (1.09-1.15)	<0.0001	0.95 (0.91-1.00)	0.0462	1.17 (1.14-1.21)	<0.0001	1.03 (1.00-1.05)	n.s.	1.11 (0.99-1.24)	n.s.

Suburban municipality of a small urban center	1.16 (1.07- 1.25)	0.0002	1.22 (1.13- 1.32)	<0.0001	0.89 (0.77- 1.02)	n.s.	1.32 (1.21- 1.43)	<0.0001	1.05 (0.97- 1.14)	n.s.	1.12 (0.81- 1.56)	n.s.
Suburban municipality of several average or small urban centers	1.12 (1.09- 1.14)	<0.0001	1.10 (1.07- 1.13)	<0.0001	0.94 (0.90- 0.99)	0.0098	1.15 (1.12- 1.19)	<0.0001	0.99 (0.97- 1.02)	n.s.	0.96 (0.86- 1.07)	n.s.

<sup>1</sup> Excluding hospitalizations in somatic departments for psychiatric conditions or suicide attempts.

<sup>2</sup> Hospitalizations for asthma, congestive heart failure, chronic obstructive pulmonary disease, dehydration, complications of diabetes, angina (chest pain), dental problem, nutritional deficiency, conditions following immunization.