

Supplementary Material

Table S1. Main characteristics of patients. Comparison between psychiatric access and non-psychiatric access in A&E in each pandemic phase.

Parameter	Phase 1			Phase 2			Phase 3		
	Psich (n = 610)	nPsich (n = 138273)	<i>p</i>	Psich (n = 443)	nPsich (n = 67959)	<i>p</i>	Psich (n = 385)	nPsich (n = 83640)	<i>p</i>
Sex									
Male	389 (63.8)	65510 (47.4)	<0.001	278 (62.8)	33723 (49.6)	<0.001	227 (59)	41823 (50)	<0.001
Age	42 [37–55]	54 [34–72]	<0.001	43 [33–55]	55 [36–73]	<0.001	43 [31–59]	55 [36–73]	<0.001
Type of access									
Own car	235 (38.5)	94991 (68.7)		133 (30)	43045 (63.3)		99 (25.7)	51589 (61.7)	
Ambulance	370 (60.7)	39836 (28.8)	<0.001	309 (69.8)	23488 (34.6)	<0.001	282 (73.3)	30765 (36.8)	<0.001
Other	5 (0.8)	3446 (2.5)		1 (0.2)	1426 (2.1)		4 (1.0)	1286 (1.5)	
Nationality									
Italy	591 (97.2)	134388 (97.4)	0.6994	435 (98.2)	65941 (97.4)	0.3695	369 (96.3)	81160 (97.4)	0.2022
Foreign	17 (2.8)	3552 (2.6)		8 (1.8)	1793 (2.7)		14 (3.7)	2206 (2.7)	
Discharge									
Dead in A&E	0 (0)	158 (0.1)		0 (0)	169 (0.3)		1 (0.3)	238 (0.3)	
Recovery	93 (15.3)	23546 (17)		66 (14.9)	13364 (19.7)		82 (21.3)	17042 (20.4)	
Refused hospitaliz.	22 (3.6)	4142 (3)	<0.001	9 (2)	2139 (3.2)	<0.001	16 (4.2)	2316 (2.8)	<0.001
Home discharged	396 (64.9)	100995 (73)		300 (67.7)	47337 (69.7)		188 (48.8)	56130 (67.1)	
Other	99 (16.2)	9432 (6.8)		68 (15.4)	4950 (7.3)		98 (25.5)	7914 (9.5)	
Class of Deprivation									
H (<-0.596)	104 (17.1)	37767 (27.3)		68 (15.4)	18349 (27)		79 (20.5)	21517 (40.2)	
M (-0.596 to -0.194)	102 (16.7)	30018 (21.7)	<0.001	54 (12.2)	14579 (21.5)	<0.001	57 (14.8)	18470 (12)	<0.001
L (-0.194 to 0.341)	38 (6.2)	15613 (11.3)		34 (7.7)	7533 (11.1)		32 (8.3)	10060 (22.1)	
VL (>=0.341)	366 (60)	54875 (39.7)		287 (64.8)	27498 (40.5)		217 (56.4)	33593 (25.7)	

Data are shown as n (%) or Median [IQR]; Psich: Psychiatric illness in A&E; nPsich: Non-Psychiatric illness in A&E; H, high DI; M, medium DI; L, low DI; VL, very low DI; phase 1: pre pandemic period, phase 2: pandemic period during 2020, phase 3: pandemic period during 2021.

Table S2. Correlation between the municipalities incidence of access for a psychiatric disease (IPd) in A&E and deprivation index during the three phases.

Municipality	DI class	DI	Ip d		
			Phase 1	Phase 2	Phase 3
Maruggio	High	-1.50	0.7	0.0	0.0
Torricella		-1.37	3.3	1.6	1.5
Fragagnano		-1.20	1.8	0.0	0.0
Leporano		-1.19	0.0	0.0	0.0
Avetrana		-1.03	2.0	2.9	1.5
Crispano		-0.98	0.6	1.3	0.5
Roccaforzata		-0.98	0.0	0.0	0.0
Monteiasi		-0.90	0.0	0.0	0.0
Manduria		-0.80	2.3	2.3	2.4
Carosino		-0.76	1.0	0.0	0.0
San Marzano Di S. Giuseppe		-0.68	1.4	2.5	4.8
Martina Franca		-0.60	0.5	0.3	1.0
Lizzano		-0.59	1.2	0.0	0.7
Sava		-0.59	2.8	2.2	0.9
San Giorgio Ionico	Medium	-0.58	3.0	1.5	1.7
Castellaneta		-0.57	1.0	1.5	0.9
Montemesola		-0.53	0.0	2.5	0.0
Palagiano		-0.51	0.7	1.0	0.3
Faggiano		-0.50	0.0	2.8	4.5
Pulsano		-0.42	0.5	0.9	2.2
Mottola		-0.30	0.4	1.4	0.0
Grottaglie		-0.23	1.6	1.7	1.8
Laterza	Low	-0.19	0.6	2.1	0.5
Ginosa		-0.11	0.7	1.9	2.9
Massafra		-0.09	0.5	1.0	1.5
Monteparano		-0.02	2.2	7.3	0.0
Palagianello	Very low	0.08	2.2	3.6	0.0
Taranto		0.34	2.5	2.4	2.0
Statte		0.83	1.5	2.9	1.7

Ip d, Incidence of psychiatric access; DI, deprivation index. Spearman Correlation (r) between IPd and DI. During phase 1 $r = 0.07$, p -value = 0.735; during phase 2 $r = 0.54$, p -value = 0.03; during phase 3 $r = 0.26$, p -value = 0.17.