

THE LANCET Psychiatry

Supplementary appendix

This appendix formed part of the original submission and has been peer reviewed. We post it as supplied by the authors.

Supplement to: Livingston G, Rostamipour H, Gallagher P, et al. Prevalence, management, and outcomes of SARS-CoV-2 infections in older people and those with dementia in mental health wards in London, UK: a retrospective observational study. *Lancet Psychiatry* 2020; published online Oct 5. [http://dx.doi.org/10.1016/S2215-0366\(20\)30434-X](http://dx.doi.org/10.1016/S2215-0366(20)30434-X).

Supplementary table 1: Descriptive statistics by whether patients died

		Survived		Died	
Characteristic		n/N	%/Standard deviation	n/N	%/Standard deviation
Mean age		75	8	79	7
Age group	51 to 64	9/112	8	1/19	5
	65 to 80	76/112	68	10/19	53
	81 to 95	27/112	24	8/19	42
Sex	Male	53/112	47	10/19	53
	Female	59/112	53	9/19	47
Ethnicity	White	71/112	63	13/19	68
	Black African, Caribbean, British	24/112	21	4/19	21
	Asian, Asian British	11/112	10	2/19	11
	Mixed/ other	6/112	5	0/19	0
Any dementia	Early onset dementia	12/112	11	1/19	5
	Late onset dementia	50/112	45	11/19	58
	No dementia	50/110	45	7/19	37
Legal status	Informal	20/112	18	3/19	16
	Mental Health Act Section 2	16/112	14	3/19	16
	Mental Health Act Section 3	49/112	44	3/19	16

	Deprivation of Liberty safeguards	27/112	24	10/19	53
Any comorbidity	Any comorbidity	102/112	91	19/19	100
	Hypertension	63/112	56	11/19	58
	Chronic Cardiac Disease	26/112	23	8/19	42
	Any diabetes	24/112	21	6/19	32
	Chronic Kidney Disease	23/112	21	3/19	16
	Chronic Obstructive Pulmonary Disorder	15/111	14	5/19	26
	Asthma	7/112	6	1/19	5
	Active cancer	8/112	7	2/19	11
	Number of comorbidities median (IQR)	2	(1, 3)	2	(2, 4)
Body mass index (kg/m²)	<18.5	14/111	13	4/19	21
	18.5 to <25	58/111	52	8/19	42
	25 to <30	29/111	26	4/19	21
	≥30	10/111	9	3/19	16
Smoking	Non-smoker	68/105	65	11/19	58
	Ex-smoker	28/105	27	8/19	42
	Current smoker	9/105	9	0/19	0

Supplementary Table 2:

Change in mental state in those who had dementia or another psychiatric illness.

		No dementia		Dementia	
Characteristic		n/N	%	n/N	%
Age group	51 to 64	2/57	4	11/74	15
	65 to 80	45/57	79	39/74	53
	81 to 95	10/57	18	24/74	32
Sex	Male	21/57	37	42/74	57
	Female	56/57	63	32/74	43
Ethnicity	White	39/57	68	45/74	61
	Black African, Caribbean, British	11/57	19	17/74	23
	Asian, Asian British	5/57	9	8/74	11
	Mixed/ other	2/57	4	4/74	5
Change in mental state	Delirium or acute cognitive decline	15/57	26	31/74	42
	Depressive symptoms	5/55	9	5/74	7
	Increased level of aggression	2/57	4	8/74	11
	Visual hallucinations	2/52	4	4/72	6
	Manic symptoms	1/55	2	2/72	3
	Auditory hallucinations	1/53	2	1/71	1

Supplementary table 3

Univariable and multivariable comparison of mortality odds ratio for people with early onset or no dementia with those with late onset dementia.

		Univariable			Multivariable**		
		Odds ratio	95% Confidence interval	p-value	Odds ratio	95% Confidence interval	p-value
Dementia status	Late onset	Reference			Reference		
	Early onset	0.38	(0.05, 2.88)	0.35	0.51	(0.06, 4.23)	0.53
	No dementia	0.64	(0.37, 1.09)	0.10	0.64	(0.38, 1.08)	0.09

** adjusted for number of comorbidities