

Health-related quality of life, uncertainty and coping strategies in solid organ transplant recipients during shielding for the COVID-19 pandemic

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Supplementary Table 1: Comparison of characteristics of survey responders and non-responders

Characteristics	Non-Responders N=3013	Responders N=826	P-value
Age (Median, IQR)	57 (43-66)	60 (50-67)	<0.001
Sex (n, %)			
Female	1254 (42%)	356 (43)	0.654
Missing	2 (0)	0 (0)	
Type of Organ Transplanted (n, %)			
Liver	1878 (62)	593 (72)	<0.001
Heart/lung	269 (9)	87 (11)	
Kidney	866 (29)	146 (17)	
Time since transplant (n, %)			
< 1 year	125 (7)	58 (7)	<0.001
1-2 years	211 (11)	74 (9)	
2-5 years	580 (29)	188 (23)	
> 5 years	1055 (54)	506 (61)	
Missing	1042 (35)	0 (0)	
Ethnicity (n, %)			
White	2063 (68)	766 (93)	<0.001
BAME*	683 (23)	54 (7)	
Prefer not to answer	0 (0)	6 (1)	
Missing	267 (9)	0 (0)	
Language (n, %)			
Non-English First Language	198 (7)	15 (2)	<0.001
English First Language	2814 (93)	810 (98)	
Missing	1 (0)	1 (0)	
Index of multiple deprivation (n,%)			
1 (Least deprived)	947 (31)	111 (13)	<0.001
2	517 (17)	127 (15)	
3	484 (16)	134 (16)	
4	391 (13)	155 (19)	
5 (Most deprived)	357 (12)	196 (24)	
Missing	317 (11)	103 (12)	

* BAME= British, Asian and minority ethnicity. P value is for the comparison of responders with non-responders.

Supplementary Table 2: Comparison of reported compliance with shielding advice between COVID transplant responders and National UK survey data*

	National UK Survey*		COVID Transplant		Chi ²	p-value
	n	(%)	n	(%)		
Clinically Extremely Vulnerable	2237	(100)	826	(100)		
Received Communication to Shield	2121	(95)	792	(96)	1.847	0.17
Overall Shielding adherence**						
Not compliant	21	(1)	34	(4)	32.23	<0.001
Compliant	2203	(99)	792	(96)		
Stay at home at all times	751	(34)	587	(71)	334.77	<0.001

*Shielding Behavioural Survey conducted by the Office for National Statistics in July 2020, including 4 081 clinically extremely vulnerable patients sampled through the National Shielding Helpline³¹.

** For analysis purposes patients answering partially, mostly and completely were grouped as "shielding compliant"

Supplementary Table 3: Comparison of reported COVID infection rate in National and Regional (Midlands) areas*, compared to COVID Transplant survey.

	UK*			Regional (Midlands)*			COVID Transplant Survey			Chi ²	P-value
	All recipients	COVID positive		All recipients	COVID positive		All recipients	COVID positive			
	N	N	(%)	N	N	(%)	N	N	(%)		
Kidney	39145	595	(1.52)	5678	85	(1.50)	162	2	(1.2)	0.104	0.949
Liver	10632	82	(0.77)	1678	7	(0.42)	595	4	(0.6)	2.560	0.278
Heart/Lung	4160	55	(1.32)	669	10	(1.49)	89	2	(2.2)	0.656	0.720
Total	53937	732	(1.36)	8025	102	(1.27)	846	8	(0.9)		

*NHSBT Report³⁰