

## Data supplement

Table DS1 Home environment descriptions for questionable 'screen negative' participants	
Participant	Description of accommodation
1	Incredibly cluttered (it was very difficult finding space to sit down and it was difficult to get through the hallway).
2	The interview was conducted in the kitchen and it was done standing up because there was no room to sit down; although there was a table, it was piled high.
3	Very large house, quite cluttered and messy, one respondent described family as 'hoarder'.
4	Very cluttered, there was little space to move or sit down but he answered 'no' to the hoarding question.
5	The house was in a very bad state. There was a smell of rotten food throughout. The living room, where we conducted the interview, was very untidy.
6	Piles of clutter and rubbish surrounding two sofas that sat haphazardly in the middle of the sitting room. Dirty floor and walls. Months of post piling up behind the front door.
7	The accommodation was not in a good state. There was rubbish and cat food scattered around and the whole flat was very dirty and worn down. Lots of personal possessions scattered around with no order and lots of things on the floor.
8	The property was quite cluttered with stacks of paper and other belongings.
9	The room was cluttered with lots of things. There was hardly any space to move around and conduct the interview.
10	Incredibly cramped. It was not clear whether this was due to hoarding or (temporary) storing.
11	Quite messy and there were lot of built up items; 'no' was answered to the related question.
12	Extremely untidy. In terms of organisation, there was none. There were items of clothing hanging out of cereal boxes, shoes scattered in random corners of the house.
13	In a bad state. Piles of rubbish and food and clutter throughout the entire house.
14	Very cluttered and untidy.
15	Poor state. Clutter piled everywhere. Nowhere to sit so had to stand in hallway.
16	Cluttered, very narrow corridors. A lot of things around, a bit of hoarding.
17	The kitchen was the only room we saw and this was quite cluttered and unclean. The work surface had plates and dishes stacked up, and the hob dirty pots and pans.
18	Accommodation was in slight disrepair. Very cluttered in bedroom – a pile took over most of the room and went almost as high as the ceiling. Hardly any room to move about. Participant slept on cot.
19	The state of the accommodation was very bad. It smelled overpoweringly of rotting rubbish and the kitchen had piles of dirty dishes, food and rubbish that blanketed every surface.
20	Very untidy with boxes and magazines everywhere, very little actual floor space.
21	Very messy and untidy, unkempt house.
22	The accommodation was quite cluttered with papers, etc. There were filled ashtrays in the lounge with ash spilling over onto the floor.
23	Cluttered and very narrow corridors as there were a lot of things around, a bit of hoarding.
24	Cluttered. There were bits and bobs of things around. It was tight to try to move around. In a very small space there are a lot of things.
25	Quite messy. There were odd bits of storage boxes and items out and throughout.
26	Very untidy. Unkempt. Very cluttered and filthy. There was nowhere to sit as there was too much stuff around.
27	It looked like the occupant was struggling with the upkeep of the accommodation.
28	A moderate amount of clutter around the sitting room. They had more stuff than their flat allowed for so it filled the sitting room.

**Table DS2** Health features and behaviours by simplified study groups<sup>a</sup>

	Hoarding disorder (n = 19)	No hoarding disorder/ subclinical (n = 80)	Screen negative (n = 1383)	Statistic	P
<i>Physical health features,<sup>b</sup> n (%)</i>					
Body mass index				_____c	0.763
Underweight	0 (0)	2 (2.5)	33 (2.4)		
Normal weight	12 (63.2)	33 (41.2)	601 (43.5)		
Overweight	3 (15.7)	25 (31.3)	438 (31.7)		
Obese	4 (21.1)	16 (20)	268 (19.4)		
Self-reported health				_____c	0.001
Excellent/very good	2 (10.5)	29 (36.3)	700 (50.6)		
Good	12 (63.2)	29 (36.3)	458 (33.1)		
Fair/poor	5 (26.3)	22 (27.4)	223 (16.1)		
Smoking				_____c	0.174
Never	5 (26.3)	22 (27.4)	408 (29.5)		
Current	8 (42.1)	23 (28.8)	344 (24.8)		
Past	5 (26.3)	27 (33.8)	373 (27.0)		
Occasional	1 (5.3)	8 (10)	258 (18.7)		
Drugs (current)				9.40	0.052
Yes	5 (26.3)	18 (22.5)	174 (12.6)		
No	14 (73.7)	62 (77.5)	1207 (87.3)		
Drugs (ever)				3.46	0.484
Yes	11 (57.9)	50 (62.5)	722 (52.2)		
No	8 (42.1)	30 (37.5)	660 (47.7)		
Hazardous alcohol use				6.11	0.191
Yes	5 (26.3)	22 (27.4)	278 (20.1)		
No	14 (73.7)	57 (71.3)	1102 (79.7)		
Illness limits activity				18.21	0.006
Yes	9 (47.4)	23 (28.8)	236 (17.1)		
No	10 (52.6)	57 (71.2)	1145 (82.8)		
<i>Mental health features</i>					
CIS-R score, mean (s.d.)	13.6 (11.37)	13.5 (11.31)	6.7 (7.82)	43.23 <sup>d</sup>	<0.001
PHQ score (without cramps), mean (s.d.)	5.7 (6.05)	6.2 (5.82)	3.4 (4.67)	31.06 <sup>d</sup>	<0.001
Fatigue (current), n (%)				_____c	0.002
Yes	5 (26.3)	16 (20)	122 (8.8)		
No	13 (68.4)	63 (78.8)	1210 (87.4)		
PTSD (lifetime), n (%)				_____c	0.148
Yes	3 (15.8)	6 (7.5)	64 (4.6)		
No	16 (84.2)	74 (92.5)	1313 (94.9)		
Personality disorder (lifetime), n (%)				_____c	0.003
Yes	5 (26.3)	20 (25)	178 (12.7)		
No	13 (68.4)	59 (73.8)	1191 (85.2)		
Depression (current), n (%)				_____c	0.001
Yes	5 (26.3)	20 (25)	146 (10.6)		
No	14 (73.7)	60 (75)	1232 (89.4)		
Anxiety (current), n (%)				40.41 <sup>b</sup>	<0.001
Yes	7 (36.8)	26 (32.5)	157 (11.4)		
No	12 (63.2)	54 (67.5)	1221 (88.6)		
Psychotic features (past year), n (%)				_____c	<0.001
Yes	5 (26.3)	23 (28.8)	172 (12.4)		
No	14 (73.7)	57 (71.2)	1211 (87.6)		
Manic features (past year), n (%)				_____c	0.345
Yes	1 (5.3)	3 (3.8)	38 (2.7)		
No	17 (89.5)	77 (96.2)	1334 (96.5)		
Professional help (past year), n (%)				_____c	<0.001
No (did not seek help), n (%)	9 (47.4)	27 (33.8)	299 (21.6)		
Yes	5 (26.3)	21 (26.2)	226 (16.3)		
NA (no mental health problem)	5 (26.3)	32 (40)	858 (62.1)		
Talking therapy (ever), n (%)				18.97 <sup>b</sup>	0.001
Yes	13 (68.4)	37 (46.3)	433 (31.3)		
No	6 (31.6)	43 (53.7)	949 (68.6)		
Mental health limits activity, n (%)				41.42 <sup>b</sup>	<0.001
Yes	10 (52.6)	28 (35)	204 (14.8)		
No	9 (47.4)	52 (65)	1175 (85.0)		
CIS-R, revised Clinical Interview Schedule; PHQ, Patient Health Questionnaire; PTSD, post-traumatic stress disorder.					
a. Frequencies may not sum to 100% due to missing values.					
b. Chi-squared test.					
c. Fisher's exact test used.					
d. H statistic.					