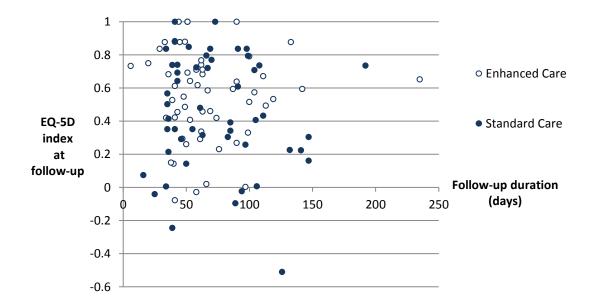
Supplementary tables and figures

Supplementary Fig 1 EQ-5D-5L scores and time of completion of follow up questionnaire.

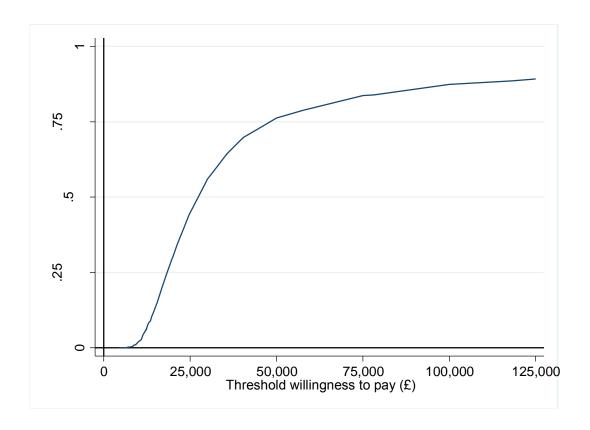


Supplementary Fig 2

CEAC for the London Homeless Pathway intervention.

CEAC curve based on reasonable assumptions – specifically all staff costs (including wider economic costs are included) and the changes in EQ-5D scores progress smoothly until follow up and then remain constant for a duration given by the difference between the longest duration of follow up and their follow up duration.

The figure shows that if the NHS is willing to pay £20,000 per QALY, there is a 30% chance that the intervention is cost-effective relative to the usual care that homeless patients could expect to receive. This probability rises to 56% and 76% at a willingness to pay of £30,000 and £50,000 per QALY respectively.



Medical and Psychiatric conditions at baseline in homeless patients participating in the study

Supplementary Table 1

De	scription	Control N	Control %	Intervention N	Intervention %
Aetiology					, ,
•	Infection	75	48.1%	64	39.3%
•	Degenerative Includes coronary			64	27.40/
	artery disease and CVA	55	35.3%	61	37.4%
•	Alcohol related	36	23.1%	51	31.3%
•	Investigation	36	23.1%	38	23.3%
•	Metabolic	23	14.7%	22	13.5%
•	Trauma	13	8.3%	16	9.8%
•	Psychological	4	2.6%	10	6.1%
•	Tumour	6	3.8%	6	3.7%
•	Pregnancy	1	0.6%	0	0
Or	gan system				
•	Liver	50	32.1%	60	36.8%
•	Pulmonary	45	28.8%	50	30.7%
•	Musculoskeletal	30	19.2%	30	18.4%
•	CNS	29	18.6%	29	17.8%
•	CVS	28	17.9%	30	18.4%
•	Endocrine	19	12.2%	20	12.3%
•	Skin	18	11.5%	17	10.4%
•	GI	15	9.6%	20	12.3%
•	GU	9	5.8%	10	6.1%
•	Haematological	6	3.8%	3	1.8%
•	Other	12	7.7%	6	3.7%
Sp	ecial interest				
•	Illicit drugs	7	4.5%	22	13.5%
•	DVT	10	6.4%	12	7.4%
•	Leg ulcer	12	7.7%	9	5.5%
Psy	ychiatric disorders				
•	Depression	84	74.3%	91	74.0%
•	Anxiety	13	11.5%	10	8.1%
•	Schizophrenia	8	7.1%	12	9.8%
•	Psychosis	9	8.0%	7	5.7%
•	Personality Disorder	7	6.2%	8	6.5%
•	PTSD	6	5.3%	4	3.3%
•	Bipolar	4	3.5%	5	4.1%
•	Suicide	5	4.4%	2	1.6%
•	Drugs	1	0.9%	3	2.4%
•	Alcohol	2	1.8%	1	0.8%
•	Other	15	13.3%	21	17.1%

Supplementary Table 2 Re-attendance at the initial hospital by intervention arm.

Re-attendances in the Accident and Emergency Department over the three months post discharge (London only) are shown using a logistic regression model adjusting for age and sex as well as re-admissions for both hospitals including all re-admissions or emergency only re-admissions (both analysed using a logistic regression analysis adjusting for age, sex and site).

	Number of patients	Control (%)	Intervention (%)	Adjusted OR (95% CI)
Attendance to A&E within 90 days of index discharge	310	57 (37.0%)	58 (37.2%)	1.01 [0.64 to 1.60]
All re-admissions to hospital within 30 days of index discharge	410	50 (24.5%)	44 (21.4%)	0.83 [0.52 to 1.33]
All re- admissions to hospital within 90 days of index discharge	410	68 (33.3%)	69 (33.5%)	1.02 [0.67 to 1.54]
Emergency only re-admissions to hospital within 30 days of index discharge	410	41 (20.1%)	38 (18.5%)	0.90 [0.55 to 1.47]
Emergency only re- admission to hospital within 90 days of index discharge	410	50 (24.5%)	58 (28.2%)	1.22 [0.78 to 1.90]

Supplementary Table 3

Baseline comparison of patients with and without 6 weeks follow-up questionnaire

			up questio	Statistical			
		No (N = 300)			Yes (N = 110)		
		No.	%	No.	%	Test	p-value
Allocated treat	ment						
• Standard ca	re	151	50.3	53	48.2	p(χ²)	0.699
GP supporte	ed care	149	49.7	57	51.8		
Site							
 London 		223	74.3	87	79.1	p(χ²)	0.320
 Brighton 		77	25.7	23	20.9		
Mean Age (SD)		42.1	(11.5)	42.1	l (12.2)	t-test	>0.999
Gender							
 Male 		243	81	91	82.7	p(χ²)	0.690
 Female 		57	19	19	17.3	1 (7)	
Nationality							
• UK		212	70.7	79	71.8	p(χ²)	0.627
• EU		61	20.3	21	19.1	1 (// /	
other		23	7.7	10	9.1		
 Not known 		4	1.3	0	0		
Asylum seeker	Y/N						
• No	,	289	96.3	107	97.3	p(χ²)	0.683
Yes		9	3	3	2.7	1 (7)	
Not known		2	0.7	0	0		
Refugee Y/N							
• No		291	97	108	98.2	p(χ²)	0.656
Yes		7	2.3	2	1.8	1 (// /	
 Not known 		2	0.7	0	0		
Any long-term	medical condi	itions?					
 No 		59	19.7	21	19.1	p(χ²)	0.120
Yes		230	76.7	89	80.9		
 Not known 		11	3.7	0	0		
Any long-term	mental health	problems	5?				
 No 		114	38	51	46.4	p(χ²)	0.078
Yes		177	59	59	53.6	1 (7)	
Not known		9	3	0	0		
Housing status	On admission	1					
Street		141	47.0	37	33.6	Kruskal's	0.082
 Unstable ad 	dress	88	29.3	44	40	gamma	
B&B/Hotel		9	3.0	6	5.5		
 Unsupporte 	d hostel	10	3.3	2	1.8		
 Supported I 		40	13.3	20	18.2		
 Stable address 		4	1.3	1	0.9		
Not known		8	2.7	0	0		

less than 1 month	43	14.3	25	22.7	Kruskal's	0.077
1 to 12 months	54	18	25	22.7	gamma	
• 1-5 years	86	28.7	26	23.6		
more than 5 years	59	19.7	21	19.1		
Not known	58	19.3	13	11.8		
Number of hospital admission	n in					
12mo	·					
None	47	15.7	13	11.8	Kruskal's	0.087
• 1	74	24.7	33	30	gamma	
• 2 to 9	147	49	52	47.3		
• 10 to 30	14	4.7	11	10		
Not known	18	6	1	0 .9		
Number of nights sleeping rough in						
28d	•					
None	126	42	69	62.7	Kruskal's	0.081
• 1 to 6 days	45	15	13	11.8	gamma	
• 7 to 13 days	14	4.7	5	4.5		
• 14 to 20 days	19	6.3	9	8.2		
• 21 to 27 days	11	3.7	2	1.8		
Every day	68	22.7	10	9.1		
Not known	17	5.7	2	1.8		
Median EQ-5D-5L score						

Supplementary Table 4

Staff costs for the additional staff involved in delivering the intervention

Cost description	Annual cost per	Cost category
	Band 7 nurse	
Nursing staff (Band 7)		
Wages/salary	£38,800	Direct cost
Salary on-costs	£9,667	Direct cost
Qualifications	£9,356	Wider economic cost
Overheads - management,	£9,257	Wider economic cost
administration and estates staff		
Overheads - non-staff	£20,162	Wider economic cost
Capital overheads	£2,306	Wider economic cost
Nursing direct costs: per nurse	£48,467	
Nursing direct costs + wider	£89,548	
economic costs: per nurse		
GP sessions	£32,000	Direct cost
Additional wider economic costs	£21,560	Wider economic cost
GP direct costs	£32,000	
GP total: direct costs + wider	£53,560	
economic costs		

Supplementary Table 5 – Follow-up health-related quality of life and follow-up duration

	Follow-up EQ-5D-5L™				
	score				
Follow-up	-0.00051				
duration	(-0.62)				
Baseline EQ-5D-	0.218788				
5L™ score	(2.21)				
	0.45136				
Constant	(5.85)				
N	103				
F (2, 100)	2.63				
R ²	0.0500				
Figures in parentheses are t-					
statistics					