Supplementary file

Table S1: Unit costs for different types of health and social care resource items

Resource item	ce item Unit costs Source of cost data Basis of estimate (2010 £'s)		Basis of estimate
GP	£36.00	PSSRU	GP appt / surgery; based on costing at 11.7 mins
Practice Nurse	£11.00	PSSRU	Appt /surgery/per consultation
Health Visitor	£42.00	PSSRU	Per consultation/home visit
Neurologist (appt)	£140.00	NHS Ref costs	Per consultation (code 400)
Urologist (appt)	£88.00	NHS Ref costs	Per consultation (code 101)
Ophthalmologist (appt)	£73.00	NHS Ref costs	Per consultation (code 130)
Psychiatrist	£161.00	NHS Ref costs	Per consultation (code MHOPFUA2)
Psychologist	£81.00	PSSRU	Per hour client contact
Occupational Therapist	£42.00	PSSRU	Cost per hour of client contact (assumed 1 hr)
Physiotherapist	£42.00	PSSRU	Cost per hour of client contact (assumed 1 hr)
Speech Therapist	£37.00	NHS Ref costs	Cost per hour of client contact (assumed 1 hr)
Dietician	£34.00	PSSRU	Cost per hr of client contact (assume 1 hr as average contact)
Podiatrist/Chiropodist	£30.00	NHS Ref costs	Podiatry visit / consultation (code 653)
 Pod/Chirop; Private 	£11.00	PSSRU	Per clinic visit
Chiropractor/Osteopath,	£42.00	PSSRU	NHS cost, assuming cost per hour of community
NHS cost	£32.24	Wonderling et al	physiotherapist
Chiropractor/Osteopath		(2004)	Mean cost of private visit - Wonderling et al 2004
(private)			(uprated**).
Reflexologist	£42.00	PSSRU	Assuming NHS cost, cost per hour of community physiotherapist
Acupuncture (NHS)	£42.00	PSSRU	Based on 1 hour of community physiotherapist/OT, (as assumption used by Wonderling et al 2004).
Acupuncture (private)	£43.19	Ratcliffe et al 2006	Based on treatment costs for NHS Trust (trial data, 2002-03 prices, uprated**)
Counsellor	£71.00	PSSRU	Per surgery/clinic based consultation
A&E	£103.00	NHS Ref costs	Attendance not leading to admission
Hospital admission (day)	£145.79	PSSRU 2008**	Day care attendance for older adult
Hospital stay	£231.72	PSSRU	Acute bed day / Based on 2007 data, uprated**

Unit costs at 2010 prices/costs, where appropriate** uprated to 2010 prices using HCHS index reported in PSSRU Unit Costs of Health Care 2010.

Source Refs

Curtis L. Unit costs of health and social care. Personal Social Services Research Unit, University of Kent, 2010

Department of Health (2011) NHS Reference Costs 2009-2010,

www.dh.gov.uk/en/Publicationsandstatistics/Publications/PublicationsPolicyAndGuidance/DH_123459

Wonderling, D., Vickers, A.J., Grieve R, et al. Cost effectiveness analysis of a randomised controlled trial of acupuncture for chronic headache in primary care. *BMJ* 2004; **328**: 747.

Ratcliffe J, Thomas KJ, Macpherson H, et al. A randomised trial of acupuncture care for persistent low back pain: cost effectiveness analysis. *BMJ* 2006;**333**: 626 doi: 10.1136/bmj.38932.806134.7C.

Table S2a: Percentage of sample attending each session

		Session				
	1	2	3	4	5	6
All participants in	68/84	65/84	68/84	62/84	59/84	66/84
FACETS arm (n=84)	(81%)	(77%)	(81%)	(74%)	(70%)	(79%)
Those attending 4 or						
more sessions (per	68/72	65/72	68/72	62/72	59/72	66/72
protocol sample) (n=72)	(94%)	(90%)	(94%)	(86%)	(82%)	(92%)

Table S2b: Distribution of number of sessions attended

	No. of sessions attended						
	0	1	2	3	4	5	6
No. of participants	10 (12%)	2 (2%)	-	-	10 (12%)	26 (31%)	36 (43%)

Table S3: Descriptive statistics and treatment effects for the secondary outcome measures

Outcome measure	Baseline (n=159)	Follow-up 1 (n=146)	Follow-up 2 (n=144)
Fatigue Assessment Instrument - Situation S			
more specificity)		vi o	. 0
FACETS mean (SD)	4.64 (1.08)	4.91 (1.10)	4.63 (1.11)
CLP mean (SD)	4.31 (1.05)	4.43 (1.09)	4.24 (1.13)
Mean diff in change from baseline [95% CI]*		0.23 (-0.08 to 0.54)	0.06 (-0.21 to 0.34)
o-value	_	0.14	0.65
Std effect size	_	0.05	0.06
Fatigue Assessment Instrument - Fatigue Co	onsoguonos (note		
9	onsequences (poie	muui range 1-7, nign s	cores maicule worse
consequences)	5 (1 (1 26)	5 45 (1 20)	5 40 (1 30)
FACETS mean (SD)	5.61 (1.26)	5.45 (1.30)	5.40 (1.30)
CLP mean (SD)	5.32 (1.35)	5.22 (1.34)	5.22 (1.37)
Mean diff in change from baseline [95% CI]*	-	-0.04 (-0.39 to 0.30)	-0.29 (-0.70 to 0.12)
p-value	-	0.81	0.16
Std effect size	<u> </u>	-0.03	-0.22
Fatigue Assessment Instrument - Responsiv	eness to rest and	sleep subscale (potent	tial range 1 to 7, high
scores indicate more responsiveness)			
FACETS mean (SD)	5.11 (1.58)	4.97 (1.51)	4.90 (1.36)
CLP mean (SD)	5.31 (1.47)	5.19 (1.38)	5.13 (1.61)
Mean diff in change from baseline [95% CI]*	-	0.04 (-0.46 to 0.54)	0.02 (-0.54 to 0.58)
p-value	-	0.87	0.96
Std effect size	-	0.03	0.01
Multiple Sclerosis Impact Scale - Physical st	ubscale (notentia	l range 0 to 100 high s	cores indicate more
impact)	abseare (potentia	i range o to 100, night s	cores marcare more
FACETS mean (SD)	51.38 (21.35)	48.83 (19.72)	47.03 (21.25)
	46.62 (20.30)	44.89 (20.47)	46.46 (19.75)
CLP mean (SD)	40.02 (20.30)	, ,	` '
Mean diff in change from baseline [95% CI]*	-	1.39 (-2.87 to 5.65)	-0.81 (-5.91 to 4.28)
p-value	-	0.52	0.75
Std effect size	-	0.07	-0.04
Multiple Sclerosis Impact Scale - Psychologi	ical subscale (pot	ential range 0 to 100, 1	high scores indicate mo
impact)			
FACETS mean (SD)	45.40 (20.92)	44.05 (23.33)	40.40 (21.73)
CLP mean (SD)	37.72 (20.47)	36.10 (19.99)	35.68 (19.88)
Mean diff in change from baseline [95% CI]*	-	1.74 (-3.28 to 6.75)	-2.95 (-8.86 to 2.95)
p-value	-	0.49	0.32
Std effect size	-	0.08	-0.15
SF-36 - Role emotional (potential range 0 to	100, high scores i	ndicate higher quality	
FACETS mean (SD)	64.1 (31.4)	64.6 (30.5)	70.9 (28.0)
CLP mean (SD)	75.1 (26.3)	71.4 (28.0)	75.8 (21.8)
Mean diff in change from baseline [95% CI]*	-	2.65 (-5.36 to 10.66)	6.03 (-2.97 to 15.03)
p-value	_	0.52	0.19
Std effect size	_	0.09	0.21
	00 1: -1		
SF-36 - Role physical (potential range 0 to 1)			
FACETS mean (SD)	38.6 (23.2)	39.3 (25.3)	47.8 (26.2)
CLP mean (SD)	43.6 (26.7)	39.6 (25.4)	44.0 (24.7)
Mean diff in change from baseline [95% CI]*	-	3.26 (-4.17 to 10.69)	6.52 (-1.28 to 14.32)
p-value	-	0.39	0.10
Std effect size	-	0.13	0.27
SF-36 - Bodily pain <mark>(potential range 0 to 100,</mark>	high scores indicate	ate higher quality of lif	
FACETS mean (SD)	50.8 (23.6)	52.06 (26.3)	54.6 (24.3)
CLP mean (SD)	60.0 (24.7)	60.56 (25.0)	62.8 (24.5)
Mean diff in change from baseline [95% CI]*	-	0.88 (-5.87 to 7.63)	-1.45 (-8.20 to 5.29)
value	_	0.80	0.67
Std effect size	-	0.04	-0.06
SF-36 -Vitality <mark>(potential range 0 to 100, high</mark>	scores indicate h		
F ACETS mean (SD)	32.0 (16.8)	35.6 (19.4)	37.4 (20.3)
	35.1 (19.7)	33.4 (16.8)	34.4 (17.3)
CLP mean (SD)	33.1 (19.1)	33.4 (10.0)	34.4 (17.3)

Many diff in alcange from baseline [050] CII*		4.42 (1.22 to 10.06)	(20 (0 45 + 12 22)
Mean diff in change from baseline [95% CI]*	-	4.42 (-1.22 to 10.06) 0.12	6.38 (0.45 to 12.32) 0.04
<i>p-</i> value Std effect size	-	0.12	0.35
St. 36 - General Health (potential range 0 to	100 high scores i		
FACETS mean (SD)	40.6 (22.9)	41.8 (21.7)	42.9 (23.0)
CLP mean (SD)	46.4 (19.1)	48.0 (21.0)	47.0 (21.7)
Mean diff in change from baseline [95% CI]*	-	-1.29 (-6.85 to 4.27)	-0.18 (-6.26 to 5.90)
<i>p</i> -value	-	0.65	0.95
Std effect size	-	-0.06	-0.01
SF-36 - Social Functioning (potential range)	0 to100, high sco	res indicate higher quali	ty of life)
FACETS mean (SD)	54.9 (24.7)	55.5 (24.4)	55.8 (26.7)
CLP mean (SD)	55.3 (23.9)	57.2 (24.9)	59.5 (22.7)
Mean diff in change from baseline [95% CI]*	-	-1.68 (-8.98 to 5.63)	-2.45 (-10.22 to 5.32)
p-value	-	0.65	0.54
Std effect size	- 100 1: 1	-0.07	-0.11
SF-36 - Physical functioning (potential range			
FACETS mean (SD)	36.2 (25.3) 40.0 (23.6)	35.6 (24.7) 38.7 (24.8)	39.1 (26.6) 37.5 (24.3)
CLP mean (SD) Mean diff in change from baseline [95% CI]*	40.0 (23.0)	-0.05 (-4.17 to 4.08)	2.31 (-2.11 to 6.74)
v-value	-	0.98	0.30
Std effect size	-	-0.02	0.10
SF-36 - Mental Health (potential range 0 to 1	100 high scores i		
FACETS mean (SD)	61.0 (18.1)	63.2 (18.8)	63.9 (20.3)
CLP mean (SD)	70.3 (17.4)	69.3 (18.2)	69.3 (17.5)
Mean diff in change from baseline [95% CI]*	-	2.67 (-1.98 to 7.33)	5.13 (-0.70 to 10.97)
p-value	-	0.26	0.08
Std effect size	-	0.15	0.30
Hospital Anxiety and Depression Scale (HAI	DS) - Depression	subscale (potential ran	ge 0 to 21, high scores
indicate more anxiety)			
FACETS mean (SD)	7.18 (3.31)	7.06 (3.55)	6.57 (3.26)
CLP mean (SD)	6.30 (3.69)	6.35 (3.27)	6.07 (2.94)
Mean diff in change from baseline [95% CI]*	-	-0.02 (-0.12 to 0.09)	-0.05 (-0.18 to 0.07)
p-value	•	0.77 -0.04	0.43 -0.10
Std effect size	DC) A marindar and		
Hospital Anxiety and Depression Scale (HAI	DS) - Anxiety sui	oscaie (potential range () to 21, nigh scores
indicate more anxiety) FACETS mean (SD)	9 20 (4 01)	7.00 (4.00)	7.72 (2.07)
CLP mean (SD)	8.30 (4.01) 7.18 (3.31)	7.90 (4.00) 7.20 (3.70)	7.73 (3.97) 7.07 (4.04)
Mean diff in change from baseline [95% CI]*	7.16 (3.31)	-0.05 (-0.19 to 0.09)	-0.10 (-0.26 to 0.06)
v-value	_	0.50	0.22
Std effect size	-	-0.09	-0.18
Fatigue Symptom Inventory (FSI) - Most fat	tigue (potential r	ange 0 to 10, high scores	s indicate more fatique
FACETS mean (SD)	7.69 (1.65)	7.55 (1.80)	7.31 (1.90)
CLP mean (SD)	7.62 (1.54)	7.57 (1.59)	7.46 (1.71)
Mean diff in change from baseline [95% CI]*	-	-0.09 (-0.62 to 0.45)	-0.15 (-0.78 to 0.48)
p-value	-	0.75	0.64
Std effect size	-	-0.06	-0.09
Fatigue Symptom Inventory (FSI) - Least fa FACETS mean (SD)	tigue (potential i 3.69 (2.13)	range 0 to 10, high score 3.49 (1.98)	s indicate more fatigue 3.40 (1.89)
CLP mean (SD)	3.65 (1.98)	3.76 (2.00)	3.70 (1.99)
Mean diff in change from baseline [95% CI]*	-	-0.36 (-1.02 to 0.30)	-0.15 (-0.81 to 0.51)
v-value	_	0.28	0.65
Std effect size	_	-0.17	-0.08
	- Fations ((
Fatigue Symptom Inventory (FSI) - Average	e iatigue (potenti	ai range 0 to 10, high sc	ores indicate more
fatigue)	E 02 (1.00)	5 22 (1 70)	E 01 /1 70\
FACETS mean (SD)	5.83 (1.88)	5.32 (1.78) 5.62 (1.63)	5.21 (1.78)
CLP mean (SD) Mean diff in change from baseline [95% CI]*	5.31 (1.48)	5.62 (1.63) -0.71 (-1.28 to -0.15)	5.54 (1.69)
_	-		-0.66 (-1.24 to -0.08) 0.03
<i>p-</i> value	-	0.01	0.03

Fatigue Symptom Inventory (FSI) - Fatigu	e now (potential re	ange 0 to 10, high scores	indicate more fatigue)
FACETS mean (SD)	5.59 (2.60)	4.80 (2.38)	4.97 (2.66)
CLP mean (SD)	4.60 (2.48)	4.91 (2.45)	4.69 (2.43)
Mean diff in change from baseline [95% CI]*	-	-0.99 (-1.85 to -0.12)	-0.52 (-1.41 to 0.37)
<i>p</i> -value	-	0.03	0.25
Std effect size	-	-0.39	-0.21
Fatigue Symptom Inventory (FSI) - Interfe	erence subscale (pa	otential range 0 to 10, hig	gh scores indicate more
interference)			
FACETS mean (SD)	5.41 (2.06)	4.97 (2.05)	4.74 (2.24)
CLP mean (SD)	4.92 (1.77)	5.00 (1.95)	5.06 (1.95)
Mean diff in change from baseline [95% CI]*	-	-0.33 (-0.89 to 0.24)	-0.55 (-1.20 to 0.10)
p-value	-	0.26	0.10
Std effect size	•	-0.17	-0.29
EQ-5D derived single index (potential rang			
FACETS mean (SD)	0.56 (0.24)	0.56 (0.28)	0.54 (0.28)
CLP mean (SD) Mean diff in about from baseline [05% CII*	0.66 (0.19)	0.67 (0.18)	0.67 (0.19)
Mean diff in change from baseline [95% CI]*	•	0.00 (-0.07 to 0.07) 0.93	-0.02 (-0.09 to 0.05) 0.58
p-value Std effect size		0.93	-0.09
SF-6D derived health state value (potential	ranga 0 206 to 1		
FACETS mean (SD)	0.59 (0.09)	0.60 (0.09)	0.61 (0.10)
CLP mean (SD)	0.62 (0.08)	0.62 (0.08)	0.62 (0.08)
Mean diff in change from baseline [95% CI]*	-	-0.00 (-0.02 to 0.03)	0.01 (-0.01 to 0.04)
p-value	-	0.77	0.33
Std effect size	-	-0.05	0.15
QALY derived from EQ-5D (maximum pos	ssible QALY equals	0.46, assuming full heal	th over 24 weeks)
FACETS mean (SD)		-	0.26 (0.11)
CLP mean (SD)	-	-	0.31 (0.08)
Mean diff in change from baseline [95% CI]*	-	-	-0.02 (-0.05 to 0.02)
<i>p</i> -value	-	=	0.31
Std effect size		•	-0.18
QALY derived from SF-6D (maximum post	sible QALY equals	0.46, assuming full healt	
FACETS mean (SD)	-	-	0.28 (0.04)
CLP mean (SD) Mean diff in above from baseline [05% CII*	-	-	0.29 (0.03)
Mean diff in change from baseline [95% CI]* p-value	•	-	-0.00 (-0.01 to 0.01) 0.54
Std effect size	_	_	-0.07
ActivPAL TM - Total METS ^a over a 48 hour	neriod		0.07
FACETS mean (SD)	65.22 (3.31)	64.94 (3.02)	64.87 (2.94)
CLP mean (SD)	65.50 (2.76)	65.38 (2.79)	65.24 (2.74)
Mean diff in change from baseline [95% CI]*	-	-0.10 (-0.73, 0.52)	-0.41 (-1.15, 0.33)
<i>p</i> -value	-	0.75	0.27
Std effect size	-	-0.03	-0.13
ActivPALTM - METS sitting/lying over a 48	hour period		
FACETS mean (SD)	48.16 (5.50)	48.12 (5.72)	48.20 (5.02)
CLP mean (SD)	46.51 (4.97)	46.52 (5.08)	46.98 (5.17)
Mean diff in change from baseline [95% CI]*	-	-0.34 (-1.55, 0.86)	-0.21 (-1.57, 1.16)
p-value	-	0.57	0.77
Std effect size	•	-0.06	-0.04
ActivPALTM - METS standing over 48 hou		10.11 (7.10)	10.11 (1.24)
FACETS mean (SD)	9.86 (4.57)	10.11 (5.12)	10.11 (4.34)
CLP mean (SD) Mean diff in change from baseline [95% CI]*	11.61 (4.46)	11.71 (4.55)	11.27 (4.72)
p-value	- -	0.46 (-0.66, 1.58) 0.42	0.56 (-0.66, 1.79) 0.37
Std effect size	- -	0.10	0.12
ActivPAL TM - METS stepping over a 48 ho	ur period	V.20	V
FACETS mean (SD)	7.19 (4.86)	6.71 (4.48)	6.57 (4.33)
CLP mean (SD)	7.38 (4.10)	7.16 (4.18)	7.00 (4.00)
Mean diff in change from baseline [95% CI]*	-	-0.21 (-1.16, 0.73)	-0.75 (-1.86, 0.35)
p-value	-	0.66	0.18
Std effect size	<u> </u>	-0.05	-0.16

ActivPAL TM - Total step count over a 48 hour period							
FACETS mean (SD)	10527 (7619)	9821 (7098)	9563 (6842)				
CLP mean (SD)	10778 (6420)	10429 (6506)	10218 (6390)				
Mean diff in change from baseline [95% CI]*	-	-330 (-1789, 1129)	-1233 (-2945, 479)				
<i>p</i> -value	-	0.65	0.16				
Std effect size	-	-0.05	-0.17				

^a Metabolic Equivalent (METs) expresses energy expenditure as a multiple of resting metabolic rate. One MET is defined as 1kcal/kg/hr and is the energy expended during 1 hour of quiet sitting. The minimum energy expenditure measurable using the monitor, for someone sitting or lying for the whole 48 hour monitoring period is 60 METs.

^{*}Mean difference at follow-up can be thought of as mean in FACETS arm – mean in CLP arm (after subtracting any baseline differences). Analysis only includes participants with both baseline and follow-up data).

Figure S1: Mean differences and 95% confidence intervals on the primary outcomes at baseline, follow-up 1 (1 month post-intervention) and follow-up 2 (4 months post-intervention)

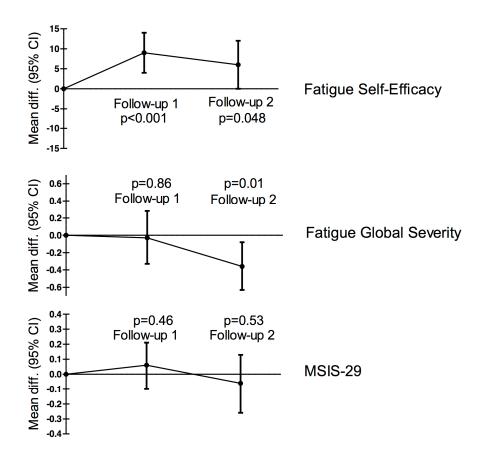


Table S4: Evaluation of individual sessions

FACETS	No. of	No. who			\overline{x} (S.D.)		
Session	questionnaires completed	attended	Duration 1= too short; 5 = too long	Pace 1 = too slow; 5 = too fast	Content 1 = not very relevant; 5 = very relevant	Format 1 = did not work at all; 5 = worked well	Usefulness 1 = not at all useful; 5 = very useful
1 †	37	41	3.1 (0.7)	3.4 (0.7)	4.7 (0.5)	4.5 (0.6)	4.8 (0.4)
1	68	68	3.2 (0.7)	3.3 (0.7)	4.7 (0.5)	4.6 (0.6)	4.6 (0.6)
2	64	65	3.1 (0.6)	3.3 (0.6)	4.6 (0.6)	4.4 (0.7)	4.6 (0.7)
3	68	68	3.3 (0.6)	3.4 (0.8)	4.6 (0.6)	4.5 (0.6)	4.5 (0.7)
4	59	62	2.9 (0.6)	3.2 (0.5)	4.7 (0.6)	4.4 (0.8)	4.6 (0.7)
5	53	59	3.0 (0.6)	3.3 (0.6)	4.5 (0.7)	4.3 (0.8)	4.5 (0.8)
6	66	66	3.1 (0.5)	3.2 (0.5)	4.7 (0.6)	4.6 (0.6)	4.7 (0.6)
Total	378	-	3.1 (0.6)	3.3 (0.6)	4.6 (0.6)	4.5 (0.7)	4.6 (0.7)

[†] Supportive others' ratings

Table S5: Estimated total cost and cost per participant of delivering FACETS (per iteration, with 6 sessions per iteration, assuming 8 participants per iteration)

	Mean units per iteration	Mean unit cost [source]	Total cost
Set up costs ^a			
Training,	-	-	£245
Equipment (laptop, data projector, flipchart)	-	-	£228
Session facilitators			
(Two therapists, AfC Band 7 salary scale) b	56.63 hrs ^c	£36/ hour [PSSRU] 1	£2,039
Venue hire (4 hour timeslot)	6	£100 / session	£600
(Commercial/hotel setting hotel)	U	£1007 Session	2000
Consumable (e.g. refreshments printed			£120
materials)	-	-	2120
Administrative support	10 hrs	£15/ hour [ref	£150
(AfC Band 2 salary scale) ^b	10 1118	$PSSRU]^2$	2130
Psychology support	3 hrs	£81 / hour [ref	£243
	3 1118	PSSRU] ³	2243
	Total cost per		£3,625
	iteration =		23,023
	Mean cost per		C452
	attendee =		£453

^a Set-up costs are estimated and spread over 5 iterations of FACETS

2010 unit costs applied PSSRU: Curtis L. Unit costs of health and social care. Personal Social Services Research Unit, University of Kent, 2010: ¹PSSRU 2010, Table 9.5 (for AfC Band 5 Staff see Table 9.2). ²Costs assumed to be equivalent to those of a Clinical Support Worker, PSSRU 2010, Table 8.5. ³PSSRU 2010, Table 10.5

^b AfC = Agenda for Change, NHS National Payscale (www.nhscareers.nhs.uk/explore-by-career/allied-health-professions/pay-and-benefits-for-ahp-staff/)

^c Time estimated based on within trial data (includes preparation time, set up time, session time, travel time and administration time), collected using work sampling questionnaire.

Table S6: Estimated costs for NHS and Private health and social care (over 3-month time period), assessed at 4-month follow-up

Resource use/cost by type	Mean Cost	Mean Cost	Mean cost difference (GLM model, no covariates/adj) (95% CIs)	Mean cost difference (GLM model, with covariates for baseline severity)* (95% CIs)
	Control	FACETS	•	(Se in Clay
Health Professionals/				
NHS	£181.26	£211.88	£30.62	£35.09
			(-52.55 to 124.12)	(-46.40 to 137.51)
Private	£27.66	£39.93	£12.27	N/A
	£27.00	139.93	(-20.47 to 45.86)	IN/A
NHS Hospital			64.27	
Bedday Cost	£9.11	£13.48	£4.37	N/A
•			(N/A)	
Total NHS Cost	C100.27	C225 26	£34.99	£35.70
	£190.37	£225.36	(-59.63 to 137.53)	(-59.92 to 141.10)
Total Cost	6210.02	0265.20	£47.26	£50.49
(NHS plus Private Costs)	s) £218.03 £265.29 (-64.16 to 171.30)		(-64.16 to 171.30)	(-61.97 to 173.10)

Comparison is for health and social care services over a 3 month time period (the 3 months prior to 4-mth follow-up) 2010 unit costs applied.

N/A Not available, for example, because of small number of events

CIs derived using nonparametric bootstrap methods

^{*} covariates used are time since diagnosis, baseline APPDS, baseline EQ5D score