

Support for people starting a new medication for a long term condition through community pharmacies: a pragmatic randomised controlled trial of the New Medicine Service: Supporting information

Contents

Table 1 Unit costs for resource use	2
Table 2 Unit costs for resource use in secondary care based on the descriptions from the resource use diaries.	3
Table 3 Patient characteristics from PharmOutcomes (formerly PharmaBase – 01/10/2011 to 02/12/2013) compared with the RCT cohort.....	6
Table 4 Probability of outcome by arm at Week 10 by disease group – adjusted for disease, age, sex, medication count and pharmacy clustering	7
Table 5 Health status (EQ-5D-3L) for overall cohort and by disease group at baseline and Week 10 follow-up.....	8
Table 6 Beliefs about medicines subscales and differential for whole cohort and by disease area at Week 10	9
Table 7 Intervention as a predictor of adherence at Week 10 – Sub-group analysis of patient and pharmacy characteristics	10
Table 8 Reasons for non-adherence reported for NMS adherence measure	11
Table 9 NHS and non-NHS costs for normal practice and NMS intervention.....	12

Table 1 Unit costs for resource use

Cost type	Time assumptions	Cost	Source
Primary care			
GP admin	5 min	£14.50	[1]
GP phone call	7.1 min	£20.00	[1] table 10.8b p 191
GP home visit	23.4 min	£85.00	[1] table 10.8b p 191
GP contact	11.7 min	£34.00	[1] table 10.8b p 191
Nurse phone call	7.1 min	£4.02	[1] section 14.4, p236
Nurse home visit	27 min	£15.30	[1] section 14.4, p236, [2]
Nurse contact	15.5 min	£8.78	[1]section 14.4, p236
Secondary care			
Day case	-	£697.00	[1] section 7.1 p 107
Outpatient visit	-	£135.00	[1] section 7.1 p 107
Inpatient stay	-	£3,283.00	[1] section 7.1 p 107
Allied health professionals/pharmacists*			
AHP contact	15.5 min	£10.59	[1] section 11.5 , p 201
Pharmacist contact	5.83 min	£4.96	[1] section 9.6 p.180, [3]
AHP home visit	27 min	£18.45	[1] section 11.5 , p 201 , [2] p.164
AHP phone call	7.1 min	£4.85	[1] section 11.5 , p 201
Social care			
Home visit	25.07 min	£66.44	[1] section 11.2 p 198, [4]
Phone contact	7.1 min	£4.73	[1] section 11.2 p 198
Contact with social care/health worker	25.07 min	£16.71	[1] section 11.2 p 198, [4]

GP: general practitioner

*AHP: podiatrists, phlebotomists

Table 2 Unit costs for resource use in secondary care based on the descriptions from the resource use diaries.

Cost type	Category	Description of Currency code*	Unit cost[5]
<i>Outpatient</i>	Ophthalmology		£85.90
<i>Outpatient</i>	BZ04B	Lens Capsulotomy, with CC Score	£262.68
<i>Outpatient</i>	Respiratory Medicine		£150.23
<i>Outpatient</i>	Physiotherapy		£42.47
<i>Outpatient</i>	Trauma and Orthopaedics		£109.65
<i>Day case</i>	Transient Ischaemic Attack		£206.38
<i>Day case</i>	Diagnostic Imaging		£37.06
<i>Day case</i>	BZ02C	Phacoemulsification Cataract Extraction and Lens Implant, with CC Score -1	£865.82
<i>Day case</i>	Cardiology		£131.41
<i>Day case</i>	RA60A	Simple Echocardiogram, 19 years and over	£74.96
<i>Day case</i>	Diabetic Medicine		£136.13
<i>Outpatient</i>	Anticoagulant Service		£24.59
<i>Outpatient</i>	Hepatology		£212.99
<i>Outpatient</i>	Clinical Haematology		£150.62
<i>Outpatient</i>	Maxillo-Facial Surgery		£110.02
<i>Outpatient</i>	Geriatric Medicine		£204.19
<i>Outpatient</i>	Cardiac Surgery		£298.74
<i>Outpatient</i>	Vascular Surgery		£142.40
<i>Outpatient</i>	Gastroenterology		£137.02
<i>Day case</i>	CZ08Y	Minor Ear Procedures, 19 years and over without CC	£740.72
<i>Day case</i>	FZ51Z	Diagnostic Colonoscopy, 19 years and over	£485.95
<i>Day case</i>	DZ50Z	Respiratory Sleep Study	£511.68
<i>Outpatient</i>	Rheumatology		£139.66
<i>Outpatient</i>	Nephrology		£157.69
<i>Day case</i>	General Surgery		£128.20
<i>Day case</i>	BZ03B	Non-Phacoemulsification Cataract Surgery, with CC Score	£981.66
<i>Day case</i>	BZ24G	Non-Surgical Ophthalmology, without Interventions, with CC Score -1	£363.46
<i>Outpatient</i>	Breast Surgery		£138.11
<i>Outpatient</i>	Neurology		£175.75
<i>Outpatient</i>	Cardiology		£131.41
<i>Day case</i>	EA45Z	Complex Echocardiogram, including Congenital, Transoesophageal and Foetal Echocardiography	£718.96
<i>Outpatient</i>	Chemical Pathology		£63.52
<i>Outpatient</i>	Diabetic Medicine		£136.13
<i>Outpatient</i>	Accident & Emergency		£116.88
<i>Day case</i>	Interventional Radiology		£263.56
<i>Outpatient</i>	General Surgery		£128.20
<i>Day case</i>	HA35Z	Minor Foot Procedures for Trauma, Category 1	£1,765.81
<i>Day case</i>	BZ04B	Lens Capsulotomy, with CC Score	£262.68
<i>Day case</i>	Clinical Haematology		£150.62
<i>Outpatient</i>	Colorectal Surgery		£112.69
<i>Day case</i>	Gynaecology		£129.81
<i>Day case</i>	Rheumatology		£139.66

Cost type	Category	Description of Currency code*	Unit cost[5]
<i>Outpatient</i>	Endocrinology		£151.95
<i>Day case</i>	FZ53Z	Therapeutic Colonoscopy, 19 years and over	£541.81
<i>Day case</i>	FZ52Z	Diagnostic Colonoscopy with Biopsy, 19 years and over	£554.48
<i>Outpatient</i>	Audiology		£70.04
<i>Day case</i>	Ophthalmology		£85.90
<i>Day case</i>	Accident & Emergency		£116.88
<i>Day case</i>	Trauma and Orthopaedics		£109.65
<i>Day case</i>	HA59Z	Minimal Hand Procedures for Trauma, with length of stay 1 day or less	£744.60
<i>Day case</i>	Ear nose and throat		£93.93
<i>Outpatient</i>	Dermatology		£97.96
<i>Day case</i>	Dermatology		£97.96
<i>Outpatient</i>	Medical Oncology		£137.58
<i>Outpatient</i>	Stroke Medicine		£199.56
<i>Outpatient</i>	Medical Ophthalmology		£92.78
<i>Outpatient</i>	Transient Ischaemic Attack		£206.38
<i>Outpatient</i>	General Medicine		£153.33
<i>Day case</i>	HA79Z	Minimal Elbow and Lower Arm Procedures for Trauma, with length of stay 1 day or less	£653.58
<i>Day case</i>	Endocrinology		£151.95
<i>Outpatient</i>	Urology		£101.15
<i>Day case</i>	FZ42A	Wireless Capsule Endoscopy, 19 years and over	£687.67
<i>Day case</i>	Gastroenterology		£137.02
	Diagnostic Imaging		£37.06
<i>Outpatient</i>	Interventional Radiology		£263.56
<i>Outpatient</i>	Pain Management		£138.17
<i>Day case</i>	HB12C	Major Hip Procedures for Non-Trauma, Category 1, without CC	£2,524.89
<i>Outpatient</i>	Upper Gastrointestinal Surgery		£119.68
<i>Outpatient</i>	Adult Mental Illness		£221.49
<i>Outpatient</i>	Ear nose and throat		£93.93
<i>Day case</i>	AA29D	Transient Ischaemic Attack with CC Score 8-1	£782.47
<i>Day case</i>	HA93Z	Foot Trauma Diagnosis without Procedure	£678.78
<i>Outpatient</i>	Gynaecological Oncology		£137.73
<i>Day case</i>	Neurology		£175.75
<i>Outpatient</i>	Cardiac Rehabilitation		£42.25
	General Medicine		£153.33
<i>Outpatient</i>	Genitourinary Medicine		£115.31
<i>Outpatient</i>	Gynaecology		£129.81
<i>Day case</i>	EB04Z	Hypertension	£463.66
<i>Outpatient</i>	Dietetics		£64.20
<i>Day case</i>	AA35F	Stroke with CC Score -3	£520.14
<i>Outpatient</i>	Occupational Therapy		£63.10
<i>Day case</i>	Respiratory Medicine		£150.23
<i>Day case</i>	Urology		£101.15
<i>Day case</i>	FZ17G	Abdominal Hernia Procedures, 19 years and over with CC Score	£1,361.26

Cost type	Category	Description of Currency code*	Unit cost[5]
<i>Day case</i>	JC43A	Minor Skin Procedures, 13 years and over	£623.84
<i>Inpatient</i>	EA19C	Excess bed day cost	£1,915.59
<i>Outpatient</i>	Obstetrics		£122.35
<i>Inpatient</i>	NZ50C	Planned Caesarean Section, with CC Score -1	£1,353.08
<i>Outpatient</i>	Podiatry		£42.16
<i>Outpatient</i>	Accident & Emergency		£116.88
<i>Outpatient</i>	Respiratory Physiology		£119.22
<i>Outpatient</i>	Liaison Psychiatry		£107.69

CC: concomitant comorbidities

*Description of 5 digit currency code as appeared on the NHS reference schedule

Table 3 Patient characteristics from PharmOutcomes (formerly PharmaBase – 01/10/2011 to 02/12/2013) compared with the RCT cohort

Patient Characteristics		PharmOutcomes cohort (n = 451222)	RCT cohort (n=504)
NMS disease based on first NMS medicine presented (n(%))	Antiplatelet / Anticoagulant	31172 (6.9)	43 (8.5)
	Asthma /COPD	125726 (27.9)	117 (23.2)
	Hypertension	242975 (53.8)	249 (49.4)
	Type 2 diabetes	51349 (11.4)	95 (18.8)
Age (years) (N: Mean (SD))		446807: 60.8 (17.5)	59.3 (15.0)
% Female by Disease (n (%))	Antiplatelet / Anticoagulant	14575 (46.8)	19 (44.2)
	Asthma /COPD	72627 (57.8)	68 (58.1)
	Hypertension	129554 (53.3)	133 (53.4)
	Type 2 diabetes	22912 (44.6)	40 (42.1)
Ethnicity (n(%))	English/Welsh/Scottish/Northern Irish/British	374958 (83.1)	311/353(88.1)
	Irish	3502 (0.8)	7/353 (2.0)
	Any other White background	6194 (1.4)	7/353 (2.0)
	White and Asian	450 (0.1)	2/353 (0.6)
	Indian	8098 (1.8)	7/353 (2.0)
	Pakistani	4629 (1)	2/353 (0.6)
	Any other Asian background	3299 (0.7)	4/353 (1.1)
	African	3843 (0.9)	2/353 (0.6)
	Caribbean	3295 (0.7)	10/353 (2.8)
	Any other ethnic group	4838 (1.1)	1/353 (0.3)
	Data not available	38116 (8.4)	-
No of NMS eligible medicines during service operation (n (%))	1	431725 (95.7)	490 (97.2)
	2	17260 (3.8)	4 (2.6)
	3	1877 (0.4)	1 (0.3)
	4	319 (0.1)	0
	5	35 (0)	0
	6	5 (0)	0
	7	1 (0)	0

NMS: new medicine service; N: number; SD: standard deviation; COPD: chronic obstructive pulmonary disease; RCT: randomised controlled trial

Table 4 Probability of outcome by arm at Week 10 by disease group – adjusted for disease, age, sex, medication count and pharmacy clustering

Disease Group	Adherence NMS probability (95% CI)	Composite NMS probability (95% CI)	Adherence MMAS-8 probability (95% CI)	Composite MMAS-8 probability (95% CI)
Hypertension	N=191	N=226	N=143	N=172
Normal Practice	0.65 (0.54, 0.75)	0.67 (0.58, 0.76)	0.68 (0.56, 0.79)	0.70 (0.60, 0.81)
NMS	0.77 (0.67, 0.86)	0.80 (0.72, 0.88)	0.77 (0.66, 0.87)	0.79 (0.70, 0.88)
Odds ratio (95% CI, p)*	1.79 (0.93, 3.46, 0.082)	1.92 (1.04, 3.54, 0.036)	1.57 (0.73, 3.41, 0.252)	1.60 (0.79, 3.24, 0.192)
Asthma/COPD	N=82	N=98	N=52	N=66
Normal Practice	0.55 (0.38, 0.72)	0.65 (0.50, 0.79)	-.**	0.62 (0.34, 0.89)
NMS	0.60 (0.46, 0.74)	0.66 (0.53, 0.79)	-.**	0.89 (0.73, 1)
Odds ratio (95% CI, p)*	1.22 (0.49, 3.01, 0.671)	1.05 (0.45, 2.47, 0.909)	-.**	5.26 (0.93, 29.56, 0.060)
Diabetes mellitus	N=72	N=80	N=52	N=57
Normal Practice	0.80 (0.32, 1)	0.85 (0.41, 1)	0.82 (0.27, 1)	0.86 (0.36, 1)
NMS	0.87 (0.41, 1)	0.87 (0.44, 1)	0.70 (0.17, 1)	0.76 (0.23, 1)
Odds ratio (95% CI, p)*	1.69 (0.20, 14.59, 0.635)	1.26 (0.20, 7.74, 0.806)	0.49 (0.03, 7.14, 0.601)	0.49 (0.04, 6.53, 0.594)
Antiplatelet/ Anticoagulant	N=33	N=39	N=12	N=13
Normal Practice	0.81 (0.11, 1)	0.84 (0.26, 1)	-.**	-.**
NMS	0.99 (0.94, 1)	0.99 (0.97, 1)	-.**	-.**
Odds ratio (95% CI, p)*	62.04 (0.00, large, 0.478)	86.53 (0.00, large, 0.415)	-.**	-.**

NMS: new medicine service; N: number; SD: standard deviation; CI: confidence interval; P: probability; MMAS-8: Morisky's Medication Adherence Scale 8-item version

*Odds ratio (95% CI, p), NMS vs. Normal Practice.

**model did not converge or analysis not feasible due to small numbers

Table 5 Health status (EQ-5D-3L) for overall cohort and by disease group at baseline and Week 10 follow-up

EQ VAS & EQ5D-3L-INDEX	Normal Practice Active n (%)		New Medicine Service Active n (%)	
All conditions				
EQ VAS N: Mean (SD) / (Median (IQR))	205:66.8(20.0) / 70.0(30.0)	138:75.3(18.9) / 80.0(25.0)	204:67.9(22.3) / 70.0(37.0)	143:72.5(20.6) / 78.0(30.0)
EQ-5D index N: Mean (SD) / (Median (IQR))	205:0.73(0.28) / 0.80(0.31)	132:0.75(0.26) / 0.78(0.34)	202:0.76(0.28) / 0.80(0.31)	142:0.77(0.30) / 0.80(0.31)
Antiplatelet/anticoagulant				
EQ VAS N: Mean (SD) / (Median (IQR))	18: 62.3(21.2) / 65.0(28.0)	9: 65.4(17.6) / 74.0(34.0)	17: 64.8(25.6) / 70.0(33.0)	15: 58.1(24.7) / 60.0(35.0)
EQ-5D index N: Mean (SD) / (Median (IQR))	18:0.70(0.27) / 0.74(0.18)	9:0.59(0.30) / 0.69(0.24)	18:0.70(0.33) / 0.71(0.38)	14:0.70(0.32) / 0.78(0.21)
Asthma/COPD				
EQ VAS N: Mean (SD) / (Median (IQR))	48: 62.3(19.5) / 63.0(30.0)	22: 72.7(16.9) / 80.0(29.0)	48: 65.5(23.9) / 70.0(36.0)	31: 71.3(24.0) / 80.0(35.0)
EQ-5D index N: Mean (SD) / (Median (IQR))	48:0.72(0.30) / 0.75(0.36)	22:0.77(0.24) / 0.74(0.38)	48:0.77(0.22) / 0.80(0.31)	32:0.74(0.30) / 0.81(0.38)
Hypertension				
EQ VAS N: Mean (SD) / (Median (IQR))	100: 70.1(19.6) / 75.0(25.0)	77: 77.1(18.6) / 80.0(20.0)	99: 69.6(20.5) / 73.0(36.0)	75: 73.9(18.0) / 80.0(25.0)
EQ-5D index N: Mean (SD) / (Median (IQR))	99:0.76(0.24) / 0.80(0.31)	73:0.77(0.24) / 0.80(0.31)	97:0.76(0.30) / 0.80(0.31)	74:0.77(0.32) / 0.83(0.31)
Type 2 diabetes				
EQ VAS N: Mean (SD) / (Median (IQR))	39: 65.9(20.4) / 70.0(30.0)	30: 75.6(21.2) / 80.0(21.0)	40: 67.7(23.7) / 69.5(40.0)	22: 79.1(17.6) / 81.5(25.0)
EQ-5D index N: Mean (SD) / (Median (IQR))	40:0.70(0.35) / 0.80(0.34)	28:0.73(0.32) / 0.80(0.34)	39:0.77(0.27) / 0.80(0.31)	22:0.84(0.21) / 1.00(0.31)

NMS: new medicine service; N: number; EQ-5D: Euroqol 5-Dimension; VAS: visual analogue scale; SD: standard deviation; IQR: interquartile range

Table 6 Beliefs about medicines subscales and differential for whole cohort and by disease area at Week 10

Beliefs about medicines (BMQ)[6] N:Median (IQR)	Normal Practice	New Medicine Service
All conditions		
BMQ necessity subscale	123: 16.0(5.0)	133: 16.0(5.0)
BMQ concerns subscale	124: 11.0(5.0)	133: 11.0(4.0)
BMQ differential	121: 5.0(7.0)	131: 5.0(5.0)
Antiplatelet /Anticoagulant		
BMQ necessity subscale	8: 18.5(11.8)	12: 15.5(5.8)
BMQ concerns subscale	8: 10.0(8.2)	12: 13.0(7.5)
BMQ differential	7: 6.0(13.0)	12: 4.0(7.5)
Asthma / COPD		
BMQ necessity subscale	20: 15.5(6.5)	31: 16.0(4.0)
BMQ concerns subscale	20: 10.5(3.8)	30: 10.0(3.2)
BMQ differential	20: 5.0(8.0)	30: 5.5(4.2)
Hypertension		
BMQ necessity subscale	67: 16.0(4.0)	68: 16.0(4.0)
BMQ concerns subscale	68: 12.0(5.0)	69: 12.0(5.0)
BMQ differential	66: 4.0(6.5)	67: 5.0(6.0)
Type 2 diabetes		
BMQ necessity subscale	28: 16.5(5.5)	22: 18.5(7.5)
BMQ concerns subscale	28: 11.0(6.75)	22: 11.0(4.0)
BMQ differential	28: 6.5(6.0)	22: 5.5(7.5)

N: number; COPD: chronic obstructive pulmonary disease; IQR: interquartile range

Table 7 Intervention as a predictor of adherence at Week 10 – Sub-group analysis of patient and pharmacy characteristics

Odds Ratio (95% CI): P-Value	Adherence NMS
Age	
Normal practice	1.00*
NMS	1.62 (1.05, 2.51): 0.029
Age	1.01 (0.99, 1.03): 0.109
Sex	
Normal practice	1.00*
NMS	1.61 (1.04, 2.49): 0.031
Male	1.00*
Female	0.90 (0.58, 1.39): 0.634
No of concurrent medicines	
Normal practice	1.00*
NMS	1.08 (0.48, 2.43): 0.852
Medication count	1.12 (0.96, 1.30): 0.144
Patient deprivation index	
Normal practice	1.00*
NMS	1.63 (1.05, 2.51): 0.028
IMD	1.00 (0.99, 1.02): 0.805
Pharmacy Ownership	
Normal practice	1.00*
NMS	1.59 (1.03, 2.47): 0.037
Small Multiple	1.00*
Independent	0.57 (0.33, 0.98): 0.042
Large Multiple	0.66 (0.39, 1.11): 0.118
Supermarket	0.48 (0.10, 2.26): 0.352
Pharmacy distance from GP	
Normal practice	1.00*
NMS	1.62 (1.05, 2.51): 0.029
Co-location	1.00*
<500m	0.65 (0.41, 1.04): 0.072
500m – 1Km	0.64 (0.27, 1.48): 0.296
>1Km	-

NMS: new medicine service; N: number; SD: standard deviation; CI: confidence interval; p: Probability; IMD: Index of Multiple Deprivation; GP: general practice

*1.00 odds ratio acting as a point of reference.

Table 8 Reasons for non-adherence reported for NMS adherence measure

NMS adherence Reason(s)* given for 'missed doses'	Normal Practice Active n (%) n=42	New Medicine Service Active n (%) n=40
Person factors:		
Forgetting: Personality trait	12 (28.6)	13 (32.5)
Forgetting: Lack of routine	1 (2.4)	3 (7.5)
Forgetting: Disruption of routine (planned)	8 (19.0)	2 (5.0)
Forgetting: Disruption of routine (unexpected)	1 (2.4)	2 (5.0)
Forgetting: busyness (school, work, absorbed in activity etc.)	2 (4.8)	3 (7.5)
Severity of illness (not severe, felt good/better)	1 (2.4)	1 (2.5)
Duration of illness	0 (0.0)	1 (2.5)
Beliefs about medicines (necessity)	4 (9.5)	4 (10.0)
Psychological: presence of depression	0 (0.0)	1 (2.5)
Not wanting to appear different/stigma	0 (0.0)	0 (0.0)
Self-efficacy	0 (0.0)	0 (0.0)
Lack of peer/family support	0 (0.0)	0 (0.0)
Lack of knowledge	0 (0.0)	0 (0.0)
Regimen factors:		
Side effects - experienced	7 (16.7)	7 (17.5)
Side effects - anticipated	2 (4.8)	2 (5.0)
Fear of dependency/addiction	0 (0.0)	0 (0.0)
Complexity of regimen.	1 (2.4)	0 (0.0)
Inability to use medicines/formulation	0 (0.0)	0 (0.0)
Palatability of regimen	0 (0.0)	0 (0.0)
Access to medicines (including off-label use, medicine not accessible)	8 (19.0)	7 (17.5)
Cost of medicines	0 (0.0)	0 (0.0)
Context or other factors:		
Educational/employment context (impact of school or workplace)	0 (0.0)	0 (0.0)
Patient unwell / other illness	0 (0.0)	1 (2.5)

NMS: new medicine service; N: number

*Some patients gave more than one reason for why they missed a dose

Table 9 NHS and non-NHS costs for normal practice and NMS intervention

Cost category	Normal practice (n=116) Mean cost/£ (N,median,minimum,maximum, standard error)	NMS (n=122) Mean cost/£ (N,median,minimum,maximum, Standard error)
Primary care total	81.6(111,70.35,0,441.2,5.76)	72.18(115,68,0,265.48,4.99)
GP total	67.7(100,68,0,380,5.26)	60.94(105,64,0,238,4.34)
GP contact	59.21(95,51,0,204,4.35)	57.13(98,51,0,238,4.36)
GP home visit	3.66(2,0,0,340,3.02)	0.7(1,0,0,85,0.7)
GP phone call	4.83(19,0,0,60,1.11)	3.11(13,0,0,60,0.93)
Nursing total	13.9(79,8.78,0,114.18,1.53)	11.24(73,8.78,0,122.97,1.56)
nurse contact	12.49(73,8.78,0,114.18,1.46)	10.73(72,8.78,0,122.97,1.51)
nurse home visit	0.92(3,0,0,61.2,0.6)	0.38(2,0,0,30.6,0.28)
nurse phone call	0.49(7,0,0,32.19,0.29)	0.13(3,0,0,8.05,0.08)
Secondary care total	175.54(53,0,0,1611.55,28.76)	141.23(52,0,0,1392.84,25.79)
Outpatient	98.85(47,0,0,823.14,16.42)	91.2(46,0,0,770.45,16.19)
Accident & Emergency	2.02(2,0,0,116.88,1.42)	0.96(1,0,0,116.88,0.96)
Daycase	63.01(17,0,0,947.66,16)	49.08(13,0,0,1067.56,16.62)
Inpatient	11.66(1,0,0,1353.08,11.66)	0(0,0,0,0,0)
Allied HCP (NHS) total*	3.73(19,0,0,94.98,1.13)	1.75(16,0,0,31.77,0.48)
Allied HCP contact	2.37(16,0,0,42.37,0.66)	1.48(13,0,0,31.77,0.43)
Allied HCP home visit	1.27(3,0,0,73.8,0.77)	0.15(1,0,0,18.45,0.15)
Allied HCP phone call	0.08(2,0,0,4.85,0.06)	0.12(3,0,0,4.85,0.07)
NMS intervention	0	24.60
Total NHS cost	260.87(114,121.2,0,1668.45,30.23)**	239.66(121,135.38,24.60,1483.3,26.61)
Community based practitioner total***	4.81(5,0,0,216.02,2.66)	4.71(2,0,0,540.95,4.44)
Community based practitioner phone call	0.08(2,0,0,4.73,0.06)	0.08(1,0,0,9.47,0.08)
Community based practitioner contact	0.14(1,0,0,16.71,0.14)	0.27(1,0,0,33.43,0.27)
Community based practitioner home visit	4.58(4,0,0,199.31,2.54)	4.36(1,0,0,531.48,4.36)
Allied HCPs non-NHS total	7.4(54,0,0,47.32,0.99)	8.69(64,4.85,0,49.54,1.04)
Community pharmacist	6.31(48,0,0,47.32,0.93)	7.57(61,2.43,0,41.48,0.91)
Other associated HCPs non-NHS~	1.1(10,0,0,21.18,0.35)	1.13(11,0,0,21.18,0.34)
Total non-NHS cost	12.21(56,0,0,216.02,2.86)	13.4(65,4.85,0,540.95,4.5)

NMS: new medicine service; N: number; NHS: National Health Service; HCP: health care professional; GP: general practice

*Allied health care professionals (NHS) include: podiatrists, phlebotomists ** Mean difference in costs: £21.11 (95% CI: -59.01- 100.24, p= 0.1281); ***Community based practitioners include: social workers; ~Allied health care professionals (non-NHS) include: dentists, opticians, chiropractors.

References

1. Personal Social Services Research Unit (PSSRU). Unit Costs of Health and Social Care. In: Curtis L, ed., 2012.
2. Personal Social Services Research Unit (PSSRU). Unit costs of health and social care. In: Curtis L, ed., 2010.

3. McCann L, Hughes CM, Adair CG. A self-reported work-sampling study in community pharmacy practice: A 2009 update. *Pharmacy World and Science* 2010;**32**:536-43 doi: <http://dx.doi.org/10.1007/s11096-010-9405-x>[published Online First: Epub Date]].
4. Moran A, Nancarrow S, Enderby P, et al. Are we using support workers effectively? The relationship between patient and team characteristics and support worker utilisation in older people's community-based rehabilitation services in England. *Health & Social Care in the Community* 2012;**20**(5):537-49 doi: 10.1111/j.1365-2524.2012.01065.x[published Online First: Epub Date]].
5. Health and Social Care Information Centre. Hospital Episode Statistics. Secondary Hospital Episode Statistics 2013. <http://www.hscic.gov.uk/hes>.
6. Horne R, Weinman J, Hankins M. The beliefs about medicines questionnaire: the development of and evaluation of a new method for assessing the cognitive representation of medication. *Psychology and Health* 1999;**14**:1-24