

Online Supplementary File 3: Measures and Timings

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Table 1. Patient-Reported Characteristics, Primary and Secondary Outcomes and Process Variables

Variable	Measure	Items	Measurement Timings				
			<- 7d	<7 d	+1 m	+3 m	+6 m
Primary Outcomes							
Pain intensity (pain sample)	Pain intensity subscale from the BPI ¹	4	x	x	x	x	x
Patient enablement	Modified PEI ²	6		x	x	x	x
Secondary Outcomes							
Patient global impression of symptom severity	Single item ³	1	x	x	x	x	x
Patient global impression of symptom change	Single item ³	1		x	x	x	x
Pain interference	Pain interference subscale from the BPI ¹	7			x		X
Patient satisfaction	MISS for UK general practice ⁴	21		x			
Adverse events	Bespoke self-report item	1			x	x	x
Health Economics							
Health-related quality of life	EQ-5D-5L and EQ-VAS ⁵	6	x		x		x
Capability wellbeing	ICECAP-A ^{6 7}	5	x		x		x
Healthcare utilization	ModRUM core module ⁸	12		x		x	x
Prescribed medications	ModRUM depth questions ⁸	1				x	x
Personal expenses	Bespoke self-report item	3				x	x
Productivity	WPAI:GH	6				x	x
Process Measures							
Perceptions of practitioner empathy	CARE ⁹	10		X			
Perceptions of practitioner optimism	Bespoke item	1		X			
Treatment expectations	Treatment expectation questionnaire TEX-Q ¹⁰	15		X			
Anxiety	HADS ^{11 12}	7		X			
Continuity of care	Patient-Doctor Depth of Relationship Scale ¹³	9		X			
Depression	HADS ^{11 12}	7		X			
Sociodemographic Characteristics							
Age, gender, ethnicity		3	x				
Index of Multiple Deprivation	Postcode	1	x				
Health Characteristics							
Reasons for consulting		1		x			
Comorbidities		1		x			
Index consultation modality		1		x			

Table 2. Practitioner-Reported Characteristics, Outcomes and Process Variables

Practitioners	Variable	Measure	Items	Measurement Timings			
				Baseline	+2wk	+8wk	+34wk
All	Characteristics (age, gender, ethnicity, years qualified, profession)	Bespoke	5	x			
All	Practitioner self-efficacy for conveying clinical empathy	Bespoke, from feasibility study	7	X		X	x
All	Practitioner self-efficacy for conveying realistic optimism	Bespoke, from feasibility study	5	x		X	x
Intervention arm only	Practitioner outcome expectancy for implementing goals set during EMPathicO training	Bespoke, from feasibility study	16	X		X	x
Intervention arm only	Practitioner intentions to implement goals set during EMPathicO training	Bespoke, from feasibility study	3	X		X	x
Intervention arm only	Practitioner intervention usage	LifeGuide data	N/A			X	X
All	Practitioner-reported other training	Bespoke	1			x	x

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