Using the COM-B to understand intervention need in the development of a paediatric clinical weight management intervention targeted at those young people who are not experiencing weight change from attending the clinic.

Sources of behaviour

Intervention functions

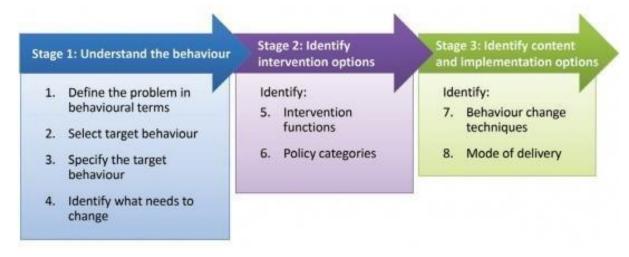
Policy categories

Service provision

Service provision

Fig 1. The behaviour change wheel with sources, intervention functions and policy categories

Fig 2. The process of completing the behaviour change wheel guide to designing an intervention.



NB As the intervention aim has been established via qualitative interviews and literature searching, the COM-B process for this intervention begins at Stage 1. Step 4.

Stage 1. Step 4. Understanding the behaviour: Identify what needs to change.

Worksheet 4

COM-B Component	What needs to happen for the target behaviour to occur?	Is there a need for change?
Physical capability: our physical strength, skill or stamina	N/A	No
Psychological capability: our knowledge/ psychological strength, skills or stamina	Perseverance and stamina will be required for these patients as it's possible they will need to manage and monitor changes for a long period.	Yes
	Psychological strength to make decisions based on long-term not short-term reward.	Yes
	Increase in self-efficacy.	Yes
	Psychological skills in identifying what their values and goals are.	Yes
	Skills to appraise their environment and to understand how to operationalise this to their benefit (environmental restricting, cueing etc).	Yes
	Skills to negotiate conflict.	Yes
	Skills to negotiate sabotage by friends/family/etc.	Yes
Physical Opportunity: opportunities provided by the environment, such as time, location and resource	N/A	No
Social Opportunity: opportunities as a result of social factors, such as cultural norms and social cues	Young people need to be supported by an 'autonomy-supportive' environment and support style from parents and clinicians. Patients will need this form of support from their close family and friends to allow them the autonomy to take responsibility for their own behaviour. This will be a change in the power-balance	Yes

	for many families, where parents usually have the greater control over their child's eating. Engaging peer support. Parental modelling of intrinsic motivation and behaviour change driven from intrinsic means.	Yes Yes
	Challenging stigma and external drivers for change.	Yes
Reflective Motivation: reflective processes, such as making plans and evaluating things that have already happened	Patients will need to be prepared to evaluate their values and goals for this approach to work. They will need to develop skills in reflecting on their behaviour (both past and current) as the course goes on and making plans to take forward ideas from the clinic into their everyday behaviour.	Yes
	Improved self-knowledge of what motivates oneself.	Yes
	Reflection on past experiences and what helps/hinders in own life.	Yes
Automatic Motivation: automatic processes, such as our desires, impulses and inhibitions	Learning skills to inhibit automatic behaviours that allow short-term rewards and to favour a longer-term view, for example targeting the automatic processes that result in emotional/comfort eating.	Yes
	Developing new behaviours as habits. This will support self-regulation as actions are less focused around conscious decisions. Healthy behaviours become embedded.	Yes

Behavioural diagnosis of the Psychological capability; Social Opportunity; Reflective relevant COM-B components Motivation; Automatic Motivation Stage 2: Identify Stage 3: Identify content Stage 1: Understand the behaviour intervention options and implementation options Identify: Identify: 1. Define the problem in behavioural terms Intervention Behaviour change functions techniques 2. Select target behaviour 8. Mode of delivery Policy categories 3. Specify the target behaviour 4. Identify what needs to change

Stage 2: Identifying intervention content and implementation options.

Step 5. Identify intervention functions.

This stage involves using the results of the behavioural diagnosis carried out in Stage 1 to guide decisions regarding the content and delivery of the intervention. This involves first selecting suitable intervention functions (e.g. education, incentivisation) and policy categories (e.g. guidelines, legislation). (Fig. 1) Based upon these decisions, suitable BCTs are identified for inclusion in the intervention before finally deciding upon a suitable mode of delivery.

First, the intervention functions most suited to target the domains identified in the COM-B behavioural analysis carried out in stage 1 were selected using established links between COM-B and intervention functions (Table 1). The identified intervention functions suitable in the context of the target behaviours are then considered using APEASE criteria (affordability, practicability, effectiveness/cost-effectiveness, acceptability, side-effects/safety, equity) which allowed for evaluation of the appropriateness of the identified functions for incorporation into the intervention.

Table 1. Links between COM-B & intervention functions

INTERVENTION FUNCTIONS>	EDUCATION	TRAINING	PERSUASION	INCENTIVISATION	COERCION	RESTRICTION	EBABLEMENT	ENVIRONMENTAL RESTRUCTURING	MODELLING
COM-B COMPONENTS									
Physical Capability			T						
Psychological Capability									
Reflective Motivation									
Automatic Motivation									
Social Opportunity							-		
Physical Opportunity									

Table 2. examples of intervention functions

Intervention function	Definition	Example of intervention function
Education	Increasing knowledge or understanding	Providing information to promote healthy eating
Persuasion	Using communication to induce positive or negative feelings or stimulate action	Using imagery to motivate increases in physical activity
Incentivisation	Creating an expectation of reward	Using prize draws to induce attempts to stop smoking
Coercion	Creating an expectation of punishment or cost	Raising the financial cost to reduce excessive alcohol consumption
Training	Imparting skills	Advanced driver training to increase safe driving
Restriction	Using rules to reduce the opportunity to engage in the target behaviour (or to increase the target behaviour by reducing the opportunity to engage in competing behaviours)	Prohibiting sales of solvents to people under 18 to reduce use for intoxication
Environmental restructuring	Changing the physical or social context	Providing on-screen prompts for general practitioner to ask about smoking behaviour
Modelling	Providing an example for people to aspire to or imitate	Using television drama scenes involving safe-sex practices to increase condom use
Enablement	Increasing means/reducing barriers to increase capability (beyond education and training) or opportunity (beyond environmental restructuring)	Behavioural support for smoking cessation, medication for cognitive deficits, surgery to reduce obesity, prostheses to promote physical activity

Worksheet 5

Candidate	How would the intervention work	Does the intervention function
intervention function	in the context of improving a paediatric patient's intrinsic motivation?	meet the APEASE criteria (affordability, practicability, effectiveness/cost-effectiveness, acceptability, side-effects/safety, equity) in the context of improving a paediatric patient's intrinsic motivation? Consider this on the basis of this being an individual level intervention (not a population level intervention)
		Explain whether or not each function is appropriate, including your rationale.
Education	This function is appropriate as linked to 'Psychological Capability' — patients will need educating in psychological techniques and behaviours to increase their strength and stamina. Psycho-education could be used to help support understanding of motivation and psychological pathways to success, self-understanding and evaluation, and planning for the future.	Affordability could be questioned given we're planning a 1:1 therapy, one hour a week for 7 weeks. However, the intention is that this would reduce overall duration of time the patient is in the clinic. Targeted at current non-responders to the current treatment, so would likely go on to having complex health conditions/ NHS expense.
		Using online platform (e.g. zoom) reduces cost. No clinic space required.

		The feasibility trial is designed to
		determine if it is acceptable.
Persuasion	No – this approach is too 'top- down' to be fitting with generating intrinsic motivation	N/A
Incentivisation	No - this approach is in contrast with generating intrinsic motivation (instead generating extrinsic motivation)	N/A
Coercion	No – this approach is too 'top- down' to be fitting with generating intrinsic motivation	N/A
Training	Yes – would be a fitting approach to impart skills for self-motivation and management, and for parents in creating an autonomy-supportive environment.	Affordability could be questioned given we're planning a 1:1 therapy, one hour a week for 7 weeks. However, the intention is that this would reduce overall duration of time the patient is in the clinic. Targeted at current non-responders to the current treatment, so would likely go on to having complex health conditions/ NHS expense. Using online platform (e.g. zoom) reduces cost. No clinic space required. The feasibility trial is designed to determine if it is acceptable.
Restriction	No – this approach is too 'top- down' to be fitting with generating intrinsic motivation however the restriction of patients' exposure to interventions that engage extrinsic motivation would be beneficial.	
Environmental Restructuring	N/A	No
Modelling	Parents and therapists will be encouraged to model behaviours driven by intrinsic motivation, which will support the young person to learn vicariously.	Yes
Enablement	Using ACT to increase self- determination will hopefully help reduce barriers patients have so far found in their weight management. Selected intervention functions:	Yes
	Modelling, enablement, training & ed	ducation

Step 6: Identify policy categories

Of the seven policy categories, as listed below in Table 2, use APEASE criteria to identify the categories best suited to deliver the identified intervention functions within the resource constraints of the work.

Table 3. Matrix of links between intervention functions and policy categories

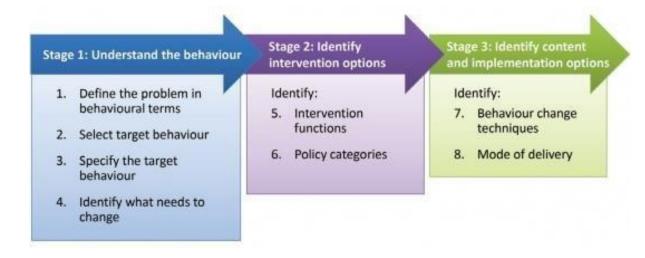
	Intervention Functions								
Policy Categories	Education	Persuasion	Incentivisation	Coercion	Training	Restriction	Environmental restructuring	Modelling	Enablement
Communication/							260		
Marketing									
Guidelines									
Fiscal									
Regulation									
Legislation		7							
Environmental/ social planning									
Service provision									

Table 4. examples of the policy categories

Policy category	Definition	Example
Communication/ marketing	Using print, electronic, telephonic or broadcast media	Conducting mass media campaigns
Guidelines	Creating documents that recommend or mandate practice. This includes all changes to service provision	Producing and disseminating treatment protocols
Fiscal measures	Using the tax system to reduce or increase the financial cost	Increasing duty or increasing anti-smuggling activities
Regulation	Establishing rules or principles of behaviour or practice	Establishing voluntary agreements on advertising
Legislation	Making or changing laws	Prohibiting sale or use
Environmental/social planning	Designing and/or controlling the physical or social environment	Using town planning
Service provision	Delivering a service	Establishing support services in workplaces, communities, etc.

Worksheet 6.

Intervention function	COM-B component	Potentially useful policy categories	Does the policy category meet the APEASE criteria in the context of improving paediatric patients' intrinsic motivation?
Education	Psychological	Communication/marketing	No
	Capability	Guidelines	Yes
		Regulation	No
		Legislation	No
		Service provision	Yes
Training	Psychological	Guidelines	Yes
	Capability	Fiscal measures	No
		Regulation	No
		Legislation	No
		Service provision	Yes
Modelling	Social Opportunity	Communication/marketing	No
		Service provision	Yes
Enablement	Reflective	Guidelines	Yes
	motivation	Fiscal measures	No
		Regulation	No
		Legislation	No
		Environmental / Social	No
		planning	
		Service provision	Yes



Stage 3: Identify content and implementation options.

Step 7: Identify behaviour change techniques.

Whilst the COM-B model traditionally leads us to utilise the behaviour change taxonomy of 93 individual behaviour change techniques (BCTs) covering all areas of COM-B (capability, opportunity and motivation), in this case the behaviour we are seeking to change is that of intrinsic motivation. For this, a specific set of 21 behaviour change techniques has been devised based on expert consensus (Teixera et al., 2020). As this tailored resource exists, we will continue the COM-B process but with reference to these behaviour change techniques instead, referred to as MBCTsBCTs (Motivational behaviour change techniques).

The suitability and potential efficacy of each identified BCT will be considered, guided by APEASE, to produce a final set of BCTsBCTs for inclusion in the intervention.

We have also considered the BCTs needed to run the wider intervention, based on the area raised in the earlier stages of this behavioural analysis.

Worksheet 7a

Intervention Function	COM-B Component	Most Recently used BCTs	Does the BCT meet the APEASE criteria (affordability, practicability, effectiveness/cost- effectiveness, acceptability, side- effects/safety, equity) in the context of raising patients' intrinsic motivation?
Education	Psychological capability Reflective motivation	Information about social and environmental consequences	Yes - about the benefits of intrinsic motivation not weight loss
		Information about health consequences	Yes - about the benefits of intrinsic motivation not weight loss
		Feedback on behaviour	Yes
		Feedback on outcome of the behaviour	Yes
		Prompts/cues	Yes
		Self-monitoring of behaviour	Yes
		Biofeedback	Not practical to deliver

		Self-Monitoring of the outcomes of	Not relevant in this
		behaviour	context
		Cue signally reward	Not relevant in this context
		Satiation	Yes
		Information about antecedents	Yes
		Reattribution	Yes
		Behavioural experiments	Yes
		Information about emotional consequences	Yes - about the benefits of intrinsic motivation not weight loss.
		Information about others' approval	Unlikely to be effective in this context
Training	Training Physical capability Psychological	Demonstration of the behaviour	Yes
Capability Automatic	Instruction on how to perform a behaviour	Yes	
	motivation Physical	Feedback on the behaviour	Yes
	opportunity	Feedback on outcomes of behaviour	Yes
		Self-monitoring of behaviour	Yes
		Behavioural practice/rehearsal	Yes
		Biofeedback	Not practical to deliver.
		Self-monitoring of outcomes of behaviour	Yes
		Habit formation	Yes
		Habit reversal	Yes
		Graded tasks	Yes if set collaboratively.
		Behavioural experiments	Not relevant in this context,

		Mental rehearsals of successful performance	Yes
		Self-talk	Yes
		Self-reward	Yes
Modelling	Automatic motivation Social opportunity	Demonstration of the behaviour	Yes
Enablement	Psychological capability	Social support (unspecified)	Yes – if in line with autonomy support
	Automatic motivation	Social support (practical)	Not likely to effective in this context
	Social opportunity	Goal setting (behaviour)	Yes
		Goal setting (outcome)	Yes
		Adding objects to the environment	Not relevant
		Problem solving	Yes – promoting the
			person to problem
			solve, not problem
			solving for them
		Action planning	Yes
		Self-monitoring of behaviour	Yes
		Restructuring the physical	Not relevant
		environment	
		Review behavioural goals	Yes
		Review outcome goals	Yes –
		Social support (emotional)	Yes – if in line with
			autonomy support
		Reduce negative emotions	Not likely to be effective
		Conserve mental resources	Not likely to be effective
		Pharmacological support	Not relevant
		Self-monitoring of outcomes of	Yes
		behaviour	
		Behavioural substitution	Not likely to be effective
		Overcorrection	Not likely to be effective
		1	
		Generalisation of a target behaviour	Not likely to be effective

A side as feed size a second	ALLER L. L. L.
Avoidance/reducing exposure to	Not likely to be
cues for the behaviour	effective
Restructuring the environment	Not relevant
Distraction	Not likely to be
	effective
Body changes	Not relevant
Behavioural experiments	Yes
Mental rehearsal of the successful	Yes
performance	
Focus on past success	Yes
Self-talk	Yes
Verbal persuasion about capability	Not likely to be
	effective
Self-reward	Yes
Behavioural contract	Not likely to be
	effective
Commitments	Not likely to be
	effective
Discrepancy between current	Collaboratively
behaviour and goal	
Pros and cons	Yes
Comparative imagining of future	Yes
outcomes	
Valued self-identity	Yes
·	
Framing / reframing	Yes - collaboratively
Incompatible beliefs	Yes – but manner of
· ·	delivery is important
Identity associated with changed	Yes
behaviour	
Identification of self as a role model	Yes
Salience of consequences	Not likely to be
	effective
Monitoring of emotional	Yes
consequences	1.00
Anticipated regret	Not likely to be
, incluipated regiet	effective
Imaginary punishment	Not likely to be
ginar , parisimient	effective
Imaginary reward	Not likely to be
magnary reward	effective
Vicarious consequences	Not likely to be
Vicarious consequences	effective.
	enective.

Worksheet 7b: Additional MBCTs applicable to this intervention

				Does the MBCT meet
Label	Definition	Function	Description	the APEASE criteria?
				Code:
				Yes,
				Not relevant in this
				context,
Autonomy-				Unlikely to be effective
Support				in this context or
Techniques				Not practical to deliver
	Elicit perspectives on	Encourage exploration and sharing of	Allows exploration of behaviour in more depth	Yes
	condition or	perspectives on current behaviour (e.g.	(self-knowledge), which can inform the programme	
MBCT1.	behaviour	causes, perpetuating factors etc.).	and personal choices.	
		Prompt identification of possible		Yes
		sources of external (or partially		
		internalized) pressures and		
	Prompt identification	expectations and explore how they may	Explores locus of causality and potential sources of	
	of sources of pressure	relate to client's desired goals and	external/introjected regulation and its	
MBCT2.	for behaviour change	outcomes.	consequences	
				Yes
		Use informational, non-judgmental		
		language that conveys freedom of		
		choice, collaboration, and possibility		
		when communicating (avoiding		
		constraining, pressuring, or guilt-		
	Use noncontrolling,	inducing language). For example, use	Avoids being a source of pressure or creating	
	informational	"might" or "could" instead of "should"	internal pressure, countering external locus of	
MBCT 3.	language	and "must".	causality for actions.	

		Prompt identification and listing of important life aspirations, values,		Yes
		and/or long-term interests and explore how changes in behaviour (or	Explores integrity and internal coherence between	
	Explore life	maintaining the status quo) could be	aspirations, values, and goals/behaviours, which	
MBCT 4.	aspirations and values	linked to them.	can sustain autonomous regulation.	
Wiber II	aspirations and values	Prompt client to identify rationale for	can sustain autonomous regulation	Yes
		behaviour change and its maintenance		
	Provide a meaningful	that is tailored, explanatory, and	Highlights and reinforces motives/reasons that	
MBCT 5.	rationale	personally meaningful or valuable.	could form the basis of autonomous motivation.	
				Yes
		Provide opportunities to make choices		
		from a collaboratively devised menu of		
		behavioural options and autonomous		
		goals. It includes the decision not to		
		change, delay change, select		
		focus/intensity of change, personally		
		endorsed intrinsic goals and standards		
		for success, including the timing or pace	Promotes personal input and ownership over	
MBCT 6.	Provide choice	for certain outcomes.	behaviour change and responsibility through choice	
		Prompt the person to experiment and		Yes
		self-initiate (new) target behaviour that		
		could be fun and enjoyable, is		
		experienced as positive challenge,		
	Farancia tha manan	opportunity for learning or personal		
	Encourage the person	expression, and/or is associated with		
	to experiment and self-initiate the	skill development, all of which provide experiential / immediate positive	Supports autonomous action via intrinsic	
MBCT 7.	behaviour	reinforcement".	motivation.	
Relatedness-	Schavioui	remotement.	monvanom.	
support				
techniques				

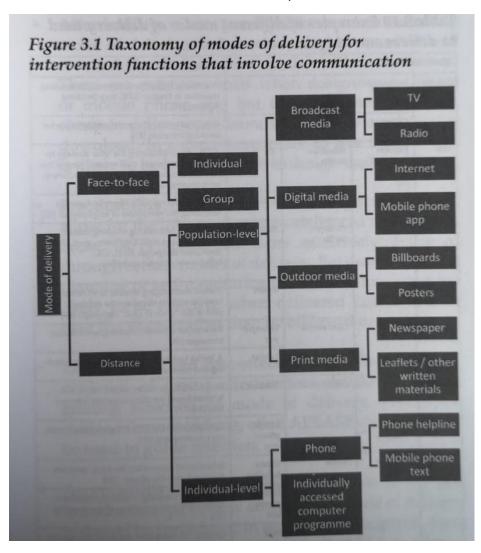
				Yes
MBCT 8.	Acknowledge and respect perspectives and feelings	Provide statements of empathy and acknowledgment of the person's perspective, conflicts/ambivalence, distress, and negative affect (fear, confusion, etc.) and also expression of positive feelings when communicating with client (concerning the target behaviour, treatment, or other related matters).	Indicates attention and respect for the person's attitudes, thoughts, perceptions, and feelings, which creates an accepting and warm social environment.	
				Yes
MBCT 9.	Encourage asking of questions	Prompt the client to pose questions regarding their goals/behavioural progress.	Creates an open and collaborative relationship that promotes trust.	
				Yes
MBCT 10.	Show unconditional regard	Express positive support regardless of success or failure.	Demonstrates unconditional respect, care and support and promotes warm social environment.	
		Provide statements of interest and		Yes
		curiosity about the person's thoughts and perceptions, personal history and		
	Demonstrate/show	background, social context, life events,	Displays involvement, indicates to the person that	
MBCT 11.	interest in the person	etc. when communicating.	their experiences and input are valued.	
		Demonstrate attentiveness to the		Yes
		client's responses (e.g. stay silent to allow the person to complete		
		sentences), and provide reflective and		
		summary statements when appropriate		
	Use empathic	(directed at affect or content) when	Creates open, collaborative relationship; promotes	
MBCT 12.	listening	communicating. Prompt permission to	trust; Displays respect for the person.	

		provide new information, guidance or		
		advice		
		Offershammer		Not practical to deliver
	Providing	Offer the person an appropriate venue and means to contact you in the event		·
	opportunities for	of difficulties or questions during the		
MBCT 13.	ongoing support	behaviour change process.	Shows care and personal involvement.	
WIDCT 15.	origonia support	Prompt identification of sources of	Shows care and personal involvement.	Yes
		support for behaviour change (if		163
		relevant), acknowledge challenges in		
		recruiting adequate support	Includes strategies that will help in feeling	
	Prompt identification	(autonomous vs	confident to overcome potential challenges and	
	and seek available	controlled), and promote effective ways	meet behavioural goal (e.g. information about	
	social	of	available programmes, active involvement of others	
MBCT 14.	support	seeking positive support.	such as family members).	
Competence-				
support				
techniques				
		Prompt identification of likely barriers		Yes
		to behaviour change, based on previous		
		attempts, and explore how to		
	Address obstacles for	overcome them (e.g. what may have		
MBCT 15.	change	worked in the past).	Increases confidence and reinforces existing skills.	
		Prompt statements of client's own		Yes
		expectations in terms of behaviour		
		change (e.g. identify a clear goal or	Describes shows and activities of them. C. I	
NADCT 1C	Clarify avecatations	learning objective), both its experiential	Provides structure and minimizes future failure	
MBCT 16.	Clarify expectations	elements (process) as well as outcomes.	(and perceived incompetence).	

		Assist in identification of goals that are		Yes
	Assist in setting	realistic, meaningful challenging, and	Provides structure and minimizes future failure	
MBCT 17.	optimal challenge	achievable.	(and perceived incompetence)	
		Provide relevant, tailored, non-		Yes
		evaluative feedback on		
	Offer constructive,	goal/behavioural progress. This can		
	clear, and relevant	include specific, process-focused	Provides encouragement and information to guide	
MBCT 18.	feedback	feedback.	future behaviour.	
	Help develop a clear		Provides structure, increases confidence, and	Yes
	and concrete plan of	Develop and provide summary of action	minimizes future failure (and perceived	
MBCT 19.	action	plan to work toward a behavioural goal.	incompetence).	
		Prompt monitoring of progress, skill		Yes
		level, or performance such as		
		suggesting options for monitoring		
		tools/means and metrics for success,		
	Promote self-	including steps in the direction of	Provides structuring information that reinforces	
MBCT 20.	monitoring	behaviour change.	success and self-awareness.	
		Provide information to manage and		Yes
		limit effects of pressuring contingencies		
		that would undermine competence		
	Explore ways of	such as extrinsic rewards, criticism,	Increase confidence to deal with sources of	
MBCT 21.	dealing with pressure	negative feedback.	controlling pressure from others and themselves.	

Step 7: Identify mode of delivery.

The final step involves considering the following in relation to intervention delivery: content, provider, recipients, intensity, duration and fidelity. The various potential modes of intervention delivery were considered using the APEASE criteria to assess the options that would be suitable within the constraints and resources of the feasibility trial.



Worksheet 8.

Worksheet 8.				15
Mode of delivery	<i>(</i>			Does the mode of delivery meet the APEASE criteria in the context of
				increasing paediatric patients'
				intrinsic motivation?
Face-to-face	Individual			Yes – will need to
1 400 10 1400	marriadar			consider the costing
				/ cost-effectiveness
				as face-to-face is
				expensive
	Group			Yes
Distance	Population level	Broadcast media	TV	Not applicable
	·		Radio	Not applicable
		Outdoor media	Billboard	Not applicable
			Poster	Not applicable
		Print media	Newspaper	Not applicable
			Leaflet	Not applicable
		Digital media	Internet	Not applicable
			Mobile phone	Not applicable
			арр	
	Individual level	Phone	Phone helpline	Yes – partially if
				video calling. Calls
				could be used if
				preferred by
				patient, although
				much easier to
				share materials and
				build rapport using
				a platform such as
				zoom (or
				equivalent).
			Mobile phone	The intervention is
			text	too complex to be delivered over text.
				Needs discussion
				between therapist
				and patient
		Individually acces	sed online	Yes – could be
		programme	Jea Offilia	delivered as a
		P. 00. 0		remote programme,
				but patients would
				potentially lose out
				through not
				working with a
				clinician. Cost-
				benefit analysis
				required.

Table of changes

The table of changes is an iterative document that has been contributed to following PPI meetings and will be updated throughout the iterative development phase of the intervention.

Coding key:

IMP = Important behaviour change

EAU = Easy and uncontroversial

REP = Repeatedly

EXP = Experience (specify PPI, experts, literature)

NCON = Does not contradict experience or the guiding principles

NC = not changed (give a reason)

MoScoW = Must do, Should do, Could do, Would like to do

Aspect of the intervention	Negative Comments	Positive comments	Possible changes	Reason for change code		MoScoW (Must do, Should do, Could do, Would like to do)
Concept feed	pack					
Novel		The approach was novel and enabled them to think about their feelings in a way they had not before.				
motivation	PPI members explained repeated failed attempts at weight loss until they themselves felt they were ready. Our challenge is that the YP's have been referred, we need to tap into a way of getting them ready to start, from a place where they may not	Thought to be v important for successful weight change. Not going to continue with an intervention that "makes them feel rubbish". GB "Got to have that moment where	drive internal motivation including visualisation, clarification of values. Reduction of external pressures may give	·	Incorporate methods to drive internal motivation including visualisation, clarification of values. Reduction of external pressures may give space for internal motivations.	Must do

		make the change and to stop thinking of healthy eating as a negative thing to be doing, instead framing it as a positive change.	space for internal motivations.			
Wholistic		This concept came up in both adult PPI sessions – the importance of seeing the whole person rather than purely focussing on what they eat. BC towards end felt the approach was "empowering, hopeful and for the whole person" The lack of focus on specific food, and more about whole person and behaviour as a strong benefit.				
Flexible approach as opposed to strict rules.		PPI members reflected on their experience of wanting something more because it had been restricted- a flexible approach is preferred.		Exp. NCON	As the clinic already offers nutritional education we hope that patients have learnt during their initial 6-months at the COCO clinic. Dietary guidelines and calorie counting is also offered so this intervention seeks to take a different approach to support those for whom that approach has not worked.	
approach	The importance of making the intervention relevant to the individual's interests and motivations (gave example of his therapist using his interest in cars)		Develop individual rapport with patients enabling metaphors and examples to be tailored to their needs	EXP,	Therapists' confidence with the programme material will need to be considered when thinking about their ability to adapt interventions on the spot. If possible, this would be the	Would like to do

					ideal, but feasibility will need to be reviewed.	
Logistical fact	ors					
1-2-1 session	S	Felt that YP need to be a certain age before being able to share their feelings within a group				
Where to hold the sessions		As much choice given to the young people as possible.				
Parents joining in the sessions.	Young people may struggle to discuss how they feel in front of parents, especially before they have built rapport with the clinical team enough to feel safe to discuss their feelings. Holding these discussions in front of family may be particularly sensitive if the young person feels their upbringing and/or home food environment has contributed to their weight problem. Equally parents may have questions and experiences they want to share with the clincians but not in front of the young person.		, ,	NCON	The young person will get the chance to invite their parent when they want to - session topics will be give a week ahead so young people can make a session by session choice. Currently, no session time has been allocated for parents-only, however this will be reviewed.	Should do
Default of inviting the parent to support	The parent may not be the most appropriate support, in some cases a grandparent, or other figure may be the child's key support.	As much choice given to the young person about the session is a good thing.	Young people being given the option to bring an alternative support person, not defaulting to always being the parents.	EXP, NCON	This option will be offered to patients, and continually reviewed.	Could do

Online video as the platform for therapy		Some cases zoom better, e.g. video off, may help to be relaxed in a comfortable place, more honest.				
Terminology						
Terminology – unhooking		The wording resonated – in particular 'unhooking' and 'hooked' was described to explain how they feel about being absorbed by darker thoughts, with strategies such as going for a walk being 'unhooking' they reflected.	each session as individual differences	/		
The use of the term 'Choice'	Does choice have connotations of fault and blame? That 'choice' is a difficult word. As YP often told they have choices but often they are already made (by adults, socioeconomic position, genetics - CG). HH "YP may not yet understand that they are in control of their behaviour." That they might not realise they are making choices. JW – remembered feeling that she didn't understand her emotions "never mind that I had a choice". Linked to DF (Thurs11th) who felt when muddled, she didn't feel she had a		think about how to use the word choice so it avoids negative feelings surrounding not having made good ones previously. Raising awareness of the choices we make all the time – some YP may not be aware or even able to make 'good' choices when feeling emotional and pressured.		Work to be done on explaining the concepts, before then introducing choice as something we would work on giving the YP. Rather than inferring that they have always had choice and have been taking the wrong choice up until this point.	

	choice in the way she behaved around food.					
Using the term 'mindfulness'	The term 'mindfulness' is overused especially during school and when stress is discussed. It makes people stop listening as it feels like more of the same.	Some adolescent PPI members had positive experiences and a regular mindfulness practice, therefore connecting that the activities were mindfulness allowed them to build on their skills Important to not underestimate young people's interest and engagement:	Using the term 'awareness' i.e. bringing your awareness to certain experiences, rather than mindfulness may help tap into the beneficial effects of mindfulness without the cliché preconceptions.	REP, EXP NCON	Both terms will be used and the preferred language will be discussed with each young person. This is an area for continued monitoring and can be changed if there is a clear pattern.	Could do
Specific activi				,		
Three mountain metaphor	The metaphor simplifies the challenges of the journey and the external pressures including peer pressure and technology that impact the journey one person felt it could be viewed competitively, so suggested making sure it wasn't viewed as a race or competition	The collaborative aspects of the therapy relationship ae clear, the approach of tackling these problems together, with lots of emphasis on how the young person is involved in shaping this process. it was felt this approach felt "inviting". "Invitation to come on a joint journey" "makes them know it's what they want rather than being told to do something."	Ensure that the diagram of the mountain includes notable up's and down's and discuss them in the explanation of the metaphor	EAU, EXP, NCON	Yes	Should do
Lottery	YP's weren't as keen on the lottery example as made them feel selfish.	tane. than semig told to do something.				

	Found it hard to decide how to see yourself.				
Inflatable ball activity		The activity facilitated conversation; it was easier to discuss having done the activity together.			
		People then built on the metaphor, continuing to use it in new ways to explain how they felt.			
		"Feel like you described my teenage years" "a new way to consider this".			
		Strength in that the conversation evolved, with people still using the metaphor to explain how they felt in other situations			
The choice point video	The video simplifies the decision to make the life-enhancing decision, rather than the habitual nonhealthful behaviour. Video features a very slim woman	perceived as an interesting and novel	Caveat the video with the understanding that this is a simplified version of what is actually going on.	NCON	Should do
	with protruding collarbones with PPI members found drew their attention. Video only features a woman.	The video offered hope that there was a solution not just to their weight but to how they were feeling more broadly. Gave them a sense that they didn't need	There are two versions of the video, so ensuring the		
		to feel stuck and left them feeling more positive.	version with the slim woman is not used.		

	Some of the language/issues were	Discussions were held about how the				
	not necessarily the right focus for YP	video was targeted at adults, but that				
	(e.g. financial worries).	this wasn't necessarily a negative thing as for many YP's it would be empowering to know that they were being treated as adults.				
		"Got the point across without being super cringy".				
Visualising	Not all people enjoyed trying to draw	Some people found the idea that our	Assessing where the	EXP,	developing the baseline that	Could do
your mind as	and visualise their minds. One person	mind tells us the same repeated stories	YP is at individually		these are all things to	
a character	who was less keen on the activity felt	useful and enjoyed reflecting on this.	may help to		experiment with/try. Some will	
	their mind often encouraged them to		understand whether		feel helpful, others may not, and	
	engage in the health beneficial	Members explained battling with the	this is a useful activity		that is okay – we can just keep	
	behaviours.	two sides of their mind	for them		working with/building on the	
					things that feel they work for	
					that individual. Not everything	
					will work for everyone.	