

Supplementary Table 1 Data collection summary

Data/outcomes	Measures	Collected by	LA ^c / CC ^d Screening and consent	Centre baseline	Participant screening	Participant informed consent and registration	Participant / staff Baseline	Short term follow-up (12 months post registration)	Medium-term follow-up (3 years) ^a	Longer term follow-up ^b
Local authority										
Eligibility	LA Eligibility checklist	LA self complete	x							
Basic demographics / reasons for declining	LA / CC Recruitment log	Researcher / HENRY	x							
Centre contact details	Centre nomination form	LA self complete	x							
Local authority agreement / consent	Local authority agreement	LA self complete	x							
Centre										
Eligibility	LA Eligibility checklist	LA self complete	x							
Reasons for declining / ineligibility	LA / CC recruitment log	Researcher	x							
Centre agreement / consent	Children's Centre agreement	Centre self complete	x							

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Stratification factors	Children's centre nomination form	LA self complete		x						
Centre randomisation allocation	Randomisation form	CTRU ^e		x						
Demographics	Centre nomination form / Environmental Questionnaire	LA / Centre self complete		x						
Details of other courses	Environmental Questionnaire	Centre self complete		x				x	x	
Parent										
Initial eligibility check	Screening form	Centre staff			x					
Confirmation of eligibility	Eligibility checklist	LCRN ^f				x				
Reasons for declining / ineligibility	Screening form	Parent self complete			x					
Demographics (parent, child and family)	Screening form Baseline form	Parent self complete CTRU (recruitment log)			x		x			

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Consent to trial participation and data collection (including NCMP)	Consent form	Parent self complete				x				
Use of Centres	Baseline form Follow up form	LCRN					x	x	x	
Outcomes										
Child age and sex adjusted BMI Z-score, child height, child weight, unadjusted BMI and weight/BMI percentiles	Measured	LCRN (baseline & 12 M follow-up) Longer term: CTRU accessing routine data					x	x	x	
Sibling age and sex adjusted BMI, height (m), weight (kg), unadjusted BMI and weight/BMI percentiles		CTRU accessing routine data							x	
Parent self-efficacy	Dumka (27)	LCRN					x	x		
Family eating / activities	Golan (28)	LCRN					x	x		
Feeding questionnaire	Baughcum (29)	LCRN					x	x		

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Dental health (child)	Dental questionnaire	LCRN					x	x		
Parent height & weight:	Measured	LCRN					x	x		
Parent waist circumference	Measured	LCRN					x	x		
Staff:										
Staff screening	Staff screening form	Staff self complete at centre		x						
Staff height & weight	Measured	Self-measure					x	x		
Staff waist circumference	Measured	Self-measure					X	x		
Children's Centre:										
Centre social, physical and political environment (e.g. policies around food)	Environmental questionnaire	Centre self complete		x				x		
Safety:										

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Adverse events / unintended consequences	SAE / RUSAE forms	LCRN / centre self complete						x		
Health economics:										
Health care resource use for child	Resource use questionnaire	LCRN					x	x		
Health care resource use for parents	Resource use questionnaire	LCRN					x	x		
Private costs (e.g. travel costs, additional food expenses, lost productivity)	Resource use questionnaire	LCRN					x	x		
Parent's Health-related Quality of Life	EQ-5D-5L (30) and ICECAP-A [31]	LCRN					x	x		
Routine data:										
NCMP Child and sibling data (trial participants)		CTRU							x	
NCMP regional child data (not trial participants)		CTRU							x	

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Process evaluation/delivery of HENRY programmes:										
Attendance * *Data collection not timed to trial time points	HENRY attendance records	HENRY Centre staff / HENRY facilitator								
Contamination checks* *Data collection not timed to trial time points	Staff movement form	Staff self complete								
HENRY training attendance and knowledge		HENRY						x	x	
Qualitative data										
System map and sub maps* *Data collection not timed to trial time points	n/a	Researcher								
Systems mapping interviews with local authority stakeholders* *Data collection not timed to trial time points	n/a	Researcher								

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Interviews with centre staff* *Data collection not timed to trial time points	n/a	Researcher								
Interviews with parents* **Data collection not timed to trial time points	n/a	Researcher								

^a Medium term outcomes will gathered from routinely collected data (from health visitors and/or the National Child Measurement Programme)

^b Longer term outcomes will be based on matched cohorts of (Millennium Cohort Study (MCS ((21))).

^c Local Authority (or other governing/commissioning body)

^d Children’s centre (or other setting in which HENRY can be delivered, including Sure Start centres in Northern Ireland)

^e Clinical Trials Research Unit

^f Local Clinical Research Network (England only). Other devolved nations will train researchers/equivalent staff to collect data)

