

Supplementary Appendix

A full list of measures by for domain can be seen in the following tables.

Supplementary Table 1: Growth and Development measures collected from mothers (M) and children (C) for each timepoint

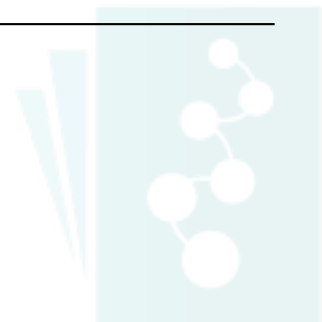
Measures	36 weeks antenatal	Postnatal (months)					Childhood (years)				
		Birth	2	4	6	9	1	2	3	4	5
Ages & Stages Questionnaire (S)				C		C	C	C	C	C	C
Infant and child sleep		M [#]	M [#] , C [*]	M [#]	M [#] , C [*]	M [#]	M [#] , C [*]	M [#]			M [#] , C
Breastfeeding, formula, solids	M		C		C		C				

(S) = standardised measure; *Brief-Infant Sleep Questionnaire (S), #Pittsburgh Sleep Index (S).

Supplementary Table 2: Medical, Biological and Genetic measures collected from mothers and non-birthing partners by timepoint (M = mother, C = child)

Measures	Antenatal (weeks' gestation)		Postnatal (months)		Childhood (years)				
	20	36	2	6	1	2	3	4	5
Paediatric appointments (developmental review and assessment), Skin-Prick Test (S), TEWL/Nevisense, anthropometry					C		C		C
Respiratory conditions					C	C			
Allergic reactions, bronchiolitis			C	C	C				
Asthma history					C	C	C	C	
Eczema				C	C	C	C	C	
Hay fever and seasonal allergies					C		C		C
Cough, cold, flu, fever, medical conditions				C	C	C			C
Child's health			C	C	C	C			
Oral health		M		C	C	C			C
Continence	M		M	M	M	M	M	M	M
COVID diagnosis and vaccinations	M	M	M	M	M	M	M	M	M
COVID impact									M
Musculoskeletal pain	M	M		M	M	M	M	M	M
Prescription medication use	M	M	M	M	M	M	M	M	M
Vaccinations during pregnancy		M							
Daytime naps			M	M	M	M			M
Eye, Hair and Skin Colour (S)	M, P								
Grandparent medical history	M, P								

(S) = standardised measure.



Supplementary Table 3: Lifestyle, Environment and Nutrition measures collected from mothers (M), non-birthing partners (P) and children (C) at each timepoint

Measures	Antenatal (gestation weeks)		Postnatal (months)		Childhood (years)				
	20	36	2	6	1	2	3	4	5
Alcohol Consumption (S)	M, P	M, P	M, P	M, P	M, P	M, P		M, P	M, P
Smoking (S)	M, P								
Illicit Drug Use (S)	M, P		M	M	M				M
Physical Activity In The Last 7 Days (IPAQ)	P	M, P		M, P	M, P				
Godin Leisure Time (S)	M, P	M, P		M, P	M, P	M, P	M		M, P
Health Related Quality of Life (EQ-5D-5L)		M		M		M			M
Weight perception		M							
Connectedness to Nature (S)					C				C
Engagement in nature									C
Nature Play WA (S)					M		M		
Nature Relatedness (S)	M, P				M, P	M, P			M, P
Time in the sun	M, P	M, P	C	C	C	C	C	C	C
Australian Eating Survey	M, P	M		M	M				
Mediterranean Diet	M, P	M	M, P	M, P	M, P	M, P	M, P	M, P	M, P
Food Frequency Questionnaire (S)					C	C	C		C
Gestational weight gain		M							
Drinking water		M			M	M			M
Childcare	M	M	C	C	C	C	C	C	C
Playgroup				C	C	C	C	C	
Child's play time					C	C	C	C	C
Physical activity	M, P								C
Child's technology use				C	C	C	C	C	C
Internet use	P							M	M

(S) = standardised measure.

Supplementary Table 4: Lifestyle and Environment household measures collected from mothers (M) at each timepoint

Measures	Antenatal (gestation weeks)		Postnatal (months)		Childhood (years)				
	20	36	2	6	1	2	3	4	5
Food Insecurity Screener (S)									M
Drinking water		M			M	M			M
Cooking	M	M		M	M				
Buckner's Neighbourhood Cohesion	M					M			M
Neighbourhood Environment Walkability Scale (S)	M					M			M
Cooking fuel, housing, heating and cooling	M								
Flooring			M						
Refuelling a vehicle, renovations, animals		M							
Electronic devices in the household	M	M		M	M	M	M	M	M
Hobbies and other activities around the home		M							

(S) = standardised measure.

Supplementary Table 5: Biopsychosocial and Cognitive measures collected from mothers (M), non-birthing partners (P) and children (C) for each timepoint

Measures	Antenatal (gestation weeks)		Postnatal (months)		Childhood (years)				
	20	36	2	6	1	2	3	4	5
Strengths and Difficulties questionnaire (S)							C		C
Conners Early Childhood assessment (S)							C		C
Climate change									M
Connor-Davidson Resilience Scale Short Form (S)	M, P					M, P			M, P
DASS-21 (S)	M, P	M, P		M, P	M, P	M, P		M, P	M, P
Edinburgh Postnatal Depression Scale (S)			M, P						
Attachment Scale (S)		M		M, P	M, P				
Parenting Sense of Competence Scale (S)					M, P				
Perceived Social Support Scale (S)		M			M, P	M, P			P
Stressful Life Events (S)		M, P			M, P	M, P			
Mental Health Continuum (S)	M, P			M, P			M, P		M, P
Trait-Hope Scale (S)							M		M
Flourishing Child									C
McMaster Family Assessment Device (S)									M

(S) = standardised measure.

