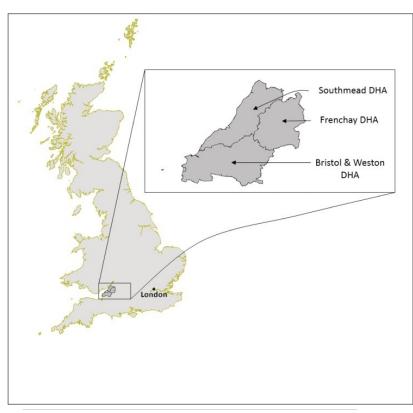


ALSPAC (Children of the 90s)





COHORT PROFILE

Cohort Profile: The Avon Longitudinal Study of Parents and Children: ALSPAC mothers cohort

Abigail Fraser,^{1,2} Corrie Macdonald-Wallis,^{1,2} Kate Tilling,² Andy Boyd,² Jean Golding,² George Davey Smith,^{1,2} John Henderson,² John Macleod,² Lynn Molloy,² Andy Ness,³ Susan Ring,² Scott M Nelson⁴ and Debbie A Lawlor^{1,2}2

International Journal of Epidemiology 2013;**42**:97–110 doi:10.1093/ije/dys066

COHORT PROFILE

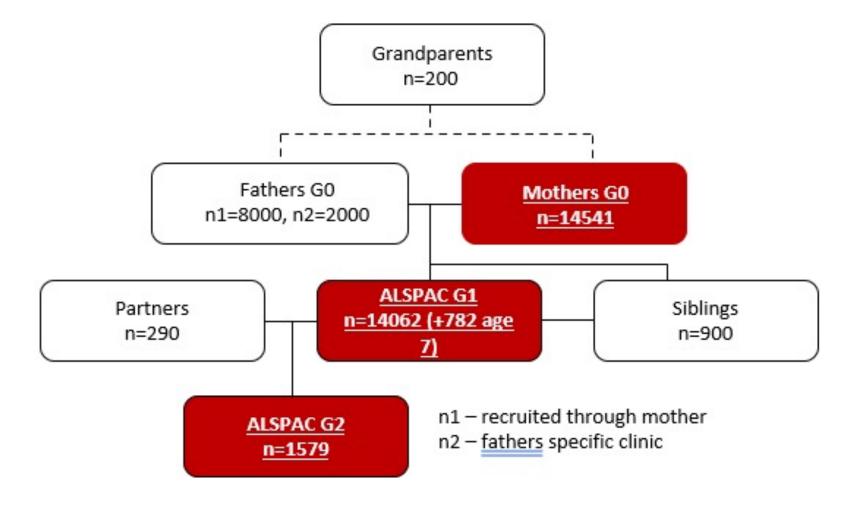
Cohort Profile: The 'Children of the 90s'—the index offspring of the Avon Longitudinal Study of Parents and Children

Andy Boyd, 1* Jean Golding, 2 John Macleod, 1 Debbie A Lawlor, 3 Abigail Fraser, 3 John Henderson, 1 Lynn Molloy, 1 Andy Ness, 4 Susan Ring 1 and George Davey Smith 3

- Avon Longitudinal Study of Parents and Children
- Birth cohort in Bristol, UK
- 14,500 pregnant women in 1991
 1992
- Last 30 years original children, mothers and fathers
- Extended recruitment to children of children
- Biomedical study, face to face data and sample collection gold standard

ALSPAC generations

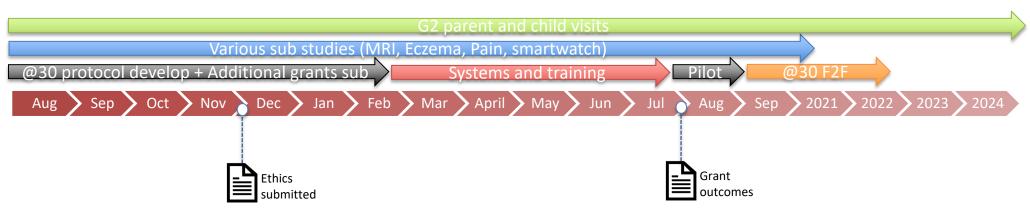




ALSPAC pre-COVID data collection plan

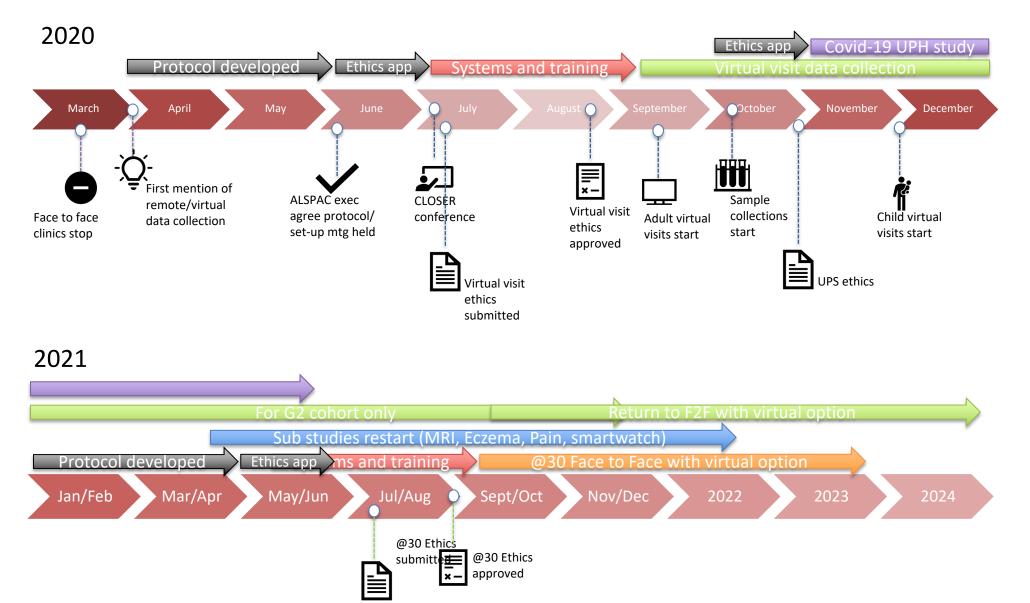


2019 2020



ALSPAC post-COVID data collection plan







G2 virtual visit measures

Measure	Completed virtually	Equipment required	Supplied by?
Anthropometry (Height, circumferences)	Yes	SECA tape measure	ALSPAC
Weight	Yes	Scales	Participant
ВР	Yes (adults only)	BP monitor	ALSPAC
DXA	No		
Eczema assessment	Yes	None	N/A
Skinfolds	No		
DENVER assessment	Yes	Some toys	Participant
Head cameras	Yes	Head cam	ALSPAC
Intake 24 (Diet diary)	Yes	None	N/A
Axivity (activity monitor)	Yes	Axivity device	ALSPAC
Physical capability (timed walk, chair rise, grip, balance)	Partial (chair rise, balance only)	Chair	Participant
Cognitive and Baby bandit	Yes	Paperwork	ALSPAC
Voice recordings	Yes	None	
Blood sample	No		
Urine sample	No		
Oragene saliva samples	Yes	Collection kit	ALSPAC









	Consent 10 - Version 5.4 (21 April 2021)	. 11043 110. 03402	
	We would like to ask you to undertake to indicate that you give consent or crowhether you would like us to inform yo marked * give cause for concern.	ss the "no" box if you do not con-	sent. Please also cross to indica
eral	Consents		
		Yes	No
A1	I confirm I have read and understood the "Further information about your focus visit" booklet V3.2 (02/07/2020).	0	0
A2	I confirm that I have had the	0	0
	t s		
A3	! Flectroni		
	Licotioni		







Book appointment

- •Staff WFH implemented skype calling
- •Co-ordinating staff WFH

Send pack

- •Took lots of staff time
- Had to keep to fairly local area
- •How to package equipment

- •Compatibility of operating systems/staff ability to deal with issues
- Positioning of device
- •Sessions too long
- •Some measures hard to do alone

video can

•Took lots of staff time

- •Delays in returning packs meant further appointments could not be booked
- Packs needed to be quarantined

Collect pack





Book consent appointment

- •Include eligibility check (type of device etc)
- •Included additional instructions about how to log on/common problems

Consent video

- •Allowed time to deal with technical issues
- •Got participants familiar with the video appointment
- •Knew what participants would/would not do
- Booked follow-up measures visit

Send pack

- •Only sent equipment required based on consent
- •Implemented using a courier company widened area

Measures vide appointment •Advised to have someone with them if possible

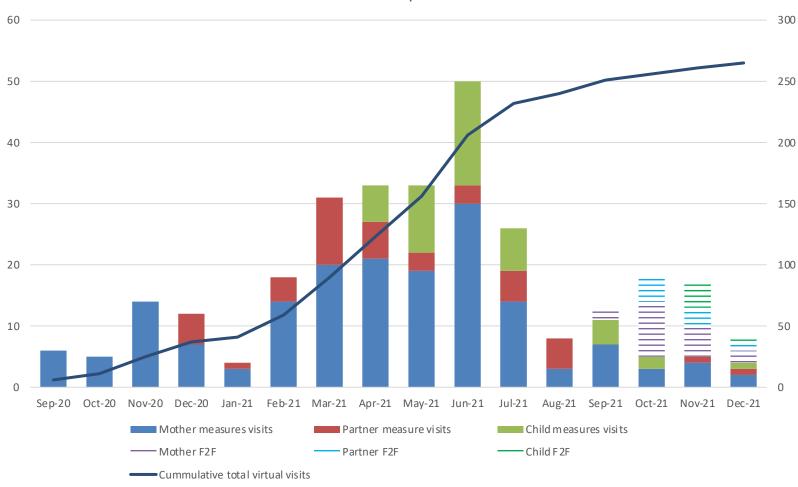
Collect pack

Courier company used



Virtual visits completed

Virtual visits implementation



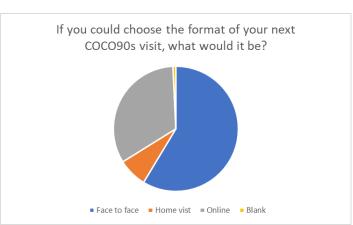
- Implementation of virtual visits allowed us to obtain some data on about 20% of participants
- Obtained consent for linkage to obstetric records and for birth samples
- Maintained engagement

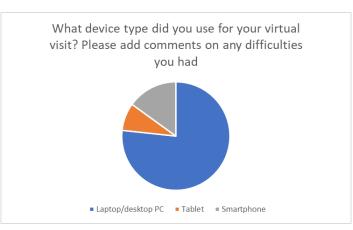


Participant feedback

- 133 of 217 adult participants completed a satisfaction survey
- No concerns over confidentiality
- All found it easy to arrange and most found it convenient and no better or worse than a face-to-face visit
- Everyone was satisfied with their visit
- A small number had difficulty connecting or with call quality
- A small number had difficulty arranging deliver/collection of the pack











Qualitative review of Children of the 90s recruitment and virtual visits by QuinteT (Qualitative Research Integrated within Trials) – Marcus Jepson

- Audio recorded both consent (10) and measurement sessions (5)
- Analysed using Conversation Analysis (applied method for the study of naturally occurring talk)

Outcomes:

- Fieldworker approach led to an overall positive mood even though visits could be long
- The technical aspects of online form filling were negotiated most successfully when fieldworkers and participants were able to share a screen
- Fieldworkers demonstrated a high level of knowledge about the equipment provided to participants and were able to orientate participants to the correct measurement tools
- The value of the fieldworker being able to see the participant as they undertook measurements should not be underestimated.

This was a relatively small-scale study, with calls being made by an experienced team of fieldworkers. The participants in the study were active members of the ALSPAC G2 cohort and were willing to take part in the measures visits.





- Some measures more appropriate than others. For physical measures that can be completed remotely a video session is likely to be better than telephone call or self administered.
- Validation of measurement data has been difficult, the ideal being repeating the measures face to face
- With our current data collection sweep we now have the opportunity to repeat some measures both virtually and face to face
- The cost for setting up virtual visits was mainly in staff time to develop protocols and systems and complete training – now these are established it would be more cost effective to implement in future
- Sending/receiving equipment was by far the biggest challenge
- Training staff remotely was difficult and they were also only just becoming familiar with video calling and were having to use new systems

Future plans



- Virtual visits can provide an alternative to face-to-face visits
- ALSPAC plan to continue to use virtual visits as an engagement tool to reach those who
 may not traditionally attend face-to-face or cannot attend (overseas, personal
 circumstances)
- ALSPAC will consider the use of virtual visits in the set-up of future clinics. It may be favourable and cheaper, in some circumstances, than face to face