

Exploring communication in antenatal care for Black pregnant women

Submission date 25/06/2024	Recruitment status No longer recruiting	<input checked="" type="checkbox"/> Prospectively registered <input checked="" type="checkbox"/> Protocol
Registration date 27/06/2024	Overall study status Completed	<input type="checkbox"/> Statistical analysis plan <input type="checkbox"/> Results
Last Edited 28/07/2025	Condition category Pregnancy and Childbirth	<input type="checkbox"/> Individual participant data <input checked="" type="checkbox"/> Record updated in last year

Plain English summary of protocol

Background and study aims
Research has shown there to be racial disparity in maternal health outcomes and experiences of maternity care. When asked about their experiences of maternity care, Black women frequently talk about good communication as connected to positive experiences and failures of communication as connected to poor experiences. This research aims to explore the relationship between communication, experience, and outcome for Black women receiving midwifery antenatal care. It is hoped that the findings of this study can be used to develop midwifery training materials and to make policy recommendations targeting improvement in outcomes and experiences for Black pregnant people.

Who can participate?
White midwives are eligible to participate if they deliver antenatal care at a participating site. Black pregnant women or birthing people can participate by invitation only if they are receiving antenatal care at a participating site with a participating midwife.

What does the study involve?
The study aims to video or audio record 20-30 antenatal appointments between Black pregnant women and their white midwives. These recordings will then be transcribed for conversation analysis. This method looks at how and when things are said and how actions are completed, by studying small details of the interaction such as choice of words, pauses, tone, and body movements. Pregnant women participants will also be asked to complete a short exit questionnaire after their appointment and to take part in a follow-up interview with the research team. The questionnaire and interview will ask about the participants' experience of communication in the appointment.

What are the possible benefits and risks of participating?
There are no personal benefits for participants taking part in the study. However, participation will contribute to the creation of knowledge which aims to improve the training of midwives and the experiences and outcomes of expectant Black mothers.

Risks to participating are low and where they exist, efforts have been made to minimise these.

Every effort will be made to ensure the anonymity of research participants. Transcribed data will be fully anonymised. Clips of video or audio recordings used for dissemination or training purposes will have names and other identifying information removed and replaced with pseudonyms or blanks. Voices will be distorted to make them unrecognisable. Video footage will be made to look like a sketch drawing and the faces of participants will be blurred.

Should participants feel uncomfortable or anxious about participation during the appointment, or follow-up interview, they can ask for the recording to be stopped, and anything recorded to that point will be deleted.

Disruption to the appointment will be minimised by the use of small, unobtrusive recorders, operated by the midwife. The research team will not be in the room.

Where is the study run from?
The University of Ulster

When is the study starting and how long is it expected to run for?
December 2021 to June 2025

Who is funding the study?
The study is being undertaken as a PhD funded by the Arts and Humanities Research Council via the Northern Bridge Consortium Doctoral Training Programme, with match funding from the Department of Economy, Northern Ireland

Who is the main contact?
Catherine Turner (PhD researcher), turner-c19@ulster.ac.uk

Study website
<https://www.antenatalcommunication.org>

Contact information

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Public, Scientific

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Additional identifiers

EudraCT/CTIS number

Nil known

IRAS number

329792

ClinicalTrials.gov number

Nil known

Secondary identifying numbers

Arts and Humanities Research Council (AHRC) Grant Codes: AH/R012415/1, CPMS 61928, IRAS 329792

Study information

Scientific Title

Exploring the relationship between communication, experience and outcome for Black pregnant women receiving midwifery antenatal care: a conversation analytic study.

Study objectives

The study is a conversation analytic project. This is a data-driven, qualitative and observational methodology, and as such does not have a study hypothesis.

The objectives of the study are as follows:

Primary research objective

To use conversation analysis to inductively explore the relationship between communication, experience and outcome for Black women receiving midwifery antenatal care.

Secondary research objectives

1. To conduct micro-analyses of interactional practices observed in antenatal appointments, for example, practices related to information exchange, decision-making, listening and membership categorisation.
2. To contextualise observational findings within self-report data designed to capture pregnant

women's subjective experience of antenatal appointments.

3. To provide bottom-up, interactional data for use in midwifery training materials.

4. To make policy recommendations regarding communication practice in UK maternity services and the care of minority ethnic women in UK maternity services.

Ethics approval required

Ethics approval required

Ethics approval(s)

Approved 12/06/2024, HSC REC A (Office for Research Ethics Committees Northern Ireland (ORECNI), Business Services Organisation, Unit 4, Lissue Industrial Estate West, Rathdown Walk, Moira Road, Lisburn , BT28 2RF, United Kingdom; +44 (0)28 95 361400; RECA@hscni.net), ref: 24 /NI/0051

Study design

Observational qualitative study

Primary study design

Observational

Secondary study design

Qualitative content analysis

Study setting(s)

Hospital, Internet/virtual, Telephone, Other

Study type(s)

Quality of life

Participant information sheet

Not available in web format, please use the contact details to request a patient information sheet

Health condition(s) or problem(s) studied

The relationship between communication, experience and outcome for Black women receiving midwifery antenatal care

Interventions

The research design will combine a detailed analysis of the language used in antenatal appointments between Black pregnant women and white midwives, with a complementary analysis of the pregnant women participants' subjective experiences of this communication and their satisfaction with any decisions made during the appointment.

Data collection 1 – Observational data

The research team aim to video or audio record 20-30 antenatal appointments between Black pregnant women and white midwives collecting observational data for conversation analysis. Audio-visual recording is preferable to capture non-verbal communication, which is known to be a commonly used channel for affective behaviours or displaying emotion. However, pregnant women who do not wish to consent to audio-visual recording could consent to audio-only

recording as an alternative. Midwives will not have the option to consent to audio-only recordings, as this would preclude any pregnant women participants in their care from selecting to be video-recorded

Data collection 2 – Short questionnaire

Immediately post appointment, pregnant women participants will be asked to complete a short (maximum 15-question) Likert scale questionnaire probing their experience of communication, wider experience, assessment of outcomes, and assessment of the salience of the race of either midwife or pregnant woman during the appointment. Completing this is expected to take between 2 and 8 minutes.

Data collection 3 – Semi-structured qualitative interviews

After a period of a minimum of 24 hours following the appointment, pregnant women participants who have consented will take part in a qualitative interview. This will allow for a period of reflection and may uncover different subjective truths to those captured in the contemporaneous data. The interviews will probe the same subject areas as the short questionnaire but be semi-structured to allow space for participants to explore their independent thoughts and observations in recognition that the interview itself can be an opportunity for reflexivity.

Partial consent

While it is preferred that participating pregnant women consent to all three data collection streams, it will be possible to consent to the recording of the antenatal appointment only. This will help minimise the burden on women while collecting sufficient data to build collections of linguistic phenomena for conversation analysis. It is considered that a complementary analysis of these phenomena can be conducted using data from only some of the participants.

Intervention Type

Behavioural

Primary outcome measure

Specific interactional phenomena of analytic interest will be measured using conversation analysis of the data from interactional practices related to information exchange, decision-making, listening or membership categorisation at one timepoint

Secondary outcome measures

Women's subjective experience of communication in their antenatal appointment will be measured via a non-validated exit questionnaire and follow-up semi-structured qualitative interview at one timepoint

Overall study start date

01/12/2021

Completion date

23/07/2025

Eligibility

Key inclusion criteria

This research has two distinct participant groups with two different inclusion criteria.

Pregnant people participants

1. Black pregnant women or birthing people receiving antenatal care at a participating site with a participating midwife
2. Black identity will be determined by self-identification as any of the following racially characterised ethnicities on their NHS ethnicity data, as indicated on their consent form: Black or Black British - African, Black, or Black British - Caribbean, Black or Black British – Any other Black background, Mixed - White and Black Caribbean, Mixed – White and Black African
3. Attending a routine antenatal appointment from the booking appointment to the 40-week appointment

Midwife participants

1. White midwives delivering antenatal care at a participating site
2. White identity will be determined by self-identification as White - British, White - Irish or White – any other White background, as indicated on their consent form

Participant type(s)

Patient, Health professional

Age group

Adult

Lower age limit

18 Years

Sex

Female

Target number of participants

Planned Sample Size: 40; UK Sample Size: 40

Key exclusion criteria**Pregnant people participants**

1. Pregnant women or birthing people who do not meet all the inclusion criteria, e.g., pregnant people with other racially characterised ethnicities
2. Pregnant people who require a formal or informal interpreter during their appointment
3. Pregnant people with impaired capacity to consent, who require support to access antenatal care or make decisions about their care
4. Pregnant people under the age of 18
5. Pregnant people attending a non-routine or 41- or 42-week appointment

Midwife participants

Participants who do not meet the inclusion criteria

Date of first enrolment

22/07/2024

Date of final enrolment

23/07/2025

Locations

Countries of recruitment

United Kingdom

Study participating centre

The Whittington Hospital

Magdala Avenue

London

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N19 5NF

Sponsor information

Organisation

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Funder(s)

Funder type

Government

Funder Name

Arts and Humanities Research Council

Alternative Name(s)

AHRC

Funding Body Type

Government organisation

Funding Body Subtype

National government

Location

United Kingdom

Results and Publications

Publication and dissemination plan

Findings will be written into a PhD thesis and submitted for publication in peer-reviewed journals, approximately one year following the overall trial end date.

Other dissemination opportunities will be sought across academic, professional, and public channels which may include academic talks, policy briefings, development of training materials and user engagement in collaboration with public-facing organisations.

Intention to publish date

31/12/2025

Individual participant data (IPD) sharing plan

The data sharing plans for the current study are unknown and will be made available at a later date

IPD sharing plan summary

Data sharing statement to be made available at a later date

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Protocol file	version 2	29/05/2024	26/06/2024	No	No
Protocol file	version 3	17/07/2024	14/08/2024	No	No