

Informed Consent

Consent obtained at first visit. Women invited to participate will have the opportunity to consider this request before consenting.



1st visit (9+0 to 13+6 weeks' gestation) OPTIONAL

Interview by research midwife, complete clinical data and enter into IMPROVED database

Examination: height, weight, blood pressure, pulse, urinary protein, blood glucose.

Specimens: non-fasting 30 ml blood specimen and a 10ml mid-stream sample of urine. Process specimens within 3 hours of collection, under sterile conditions. Multi-aliquot, barcode and store samples at -80°C .

Scan bar codes and enter storage details into database.



2nd visit (14+0 to 16+6 weeks' gestation) MANDATORY

Interview by research midwife, complete clinical data and enter into IMPROVED database

Examination: height (if not measured at 1st visit), weight, blood pressure, pulse, urinary protein, blood glucose.

Specimens: non-fasting 30 ml blood specimen, a 10 ml mid-stream sample of urine and a sample of hair. Process specimens within 3 hours of collection, under sterile conditions. Multi-aliquot, barcode and store samples at -80°C .

Scan bar codes and enter storage details into database.



3rd visit (19+0 to 21+6 weeks' gestation) MANDATORY

Interview by research midwife, complete clinical data and enter into IMPROVED database

Examination: blood pressure, pulse, urinary protein, blood glucose.

Specimens: non-fasting 30 ml blood specimen and a 10ml mid-stream sample of urine. Process specimens within 3 hours of collection, under sterile conditions. Multi-aliquot, barcode and store samples at -80°C .

Scan bar codes and enter storage details into database.



4th visit (32+0 to 34+6 weeks' gestation) OPTIONAL

Interview by research midwife, complete clinical data and enter into IMPROVED database

Examination: blood pressure, pulse, urinary protein, blood glucose.

Specimens: non-fasting 30 ml blood specimen and a 10ml mid-stream sample of urine. Process specimens within 3 hours of collection, under sterile conditions. Multi-aliquot, barcode and store samples at -80°C .

Scan bar codes and enter storage details into database.



At birth OPTIONAL

Specimens: a sample of cord blood, piece of umbilical cord and placental samples will be taken and processed within 24 hours.



End of Pregnancy MANDATORY

Review clinical records and enter late pregnancy and pregnancy outcome data into IMPROVED database.

Collect additional data for cases.



Final Data Collation and Data Checking MANDATORY

Systematic review of each woman and baby's data to ensure all information is accurate and complete by 6-8 weeks after her expected delivery date.