

Antenatal pathway

The antenatal pathway commences when the already-pregnant woman commences her pregnancy pathway with a maternity provider. The payment pathway is calculated from information collected at the booking appointment (usually undertaken around 10 weeks gestation) when the health and social care risk assessment is carried out.

The cost of all obstetric/maternity-related healthcare activities for pregnant women whose pregnancy ends prior to the booking appointment are already included in the antenatal pathway payments for the whole cohort of women who enter the pathway. Exclusions to this are Threatened or Spontaneous Miscarriages (which code to PbR HRG MB08Z) and other Gynaecological Procedures in respect of the Female Reproductive System (these code to Chapter MA in PbR).

The antenatal pathway ends at the birth spell, which signals the start of the second module within the maternity pathway, or at the termination or miscarriage. In some cases of termination or miscarriage, and depending on healthcare requirements for the woman, a birth payment and/or a postnatal pathway payment may still be warranted.

For the antenatal pathway, there are three casemix levels – standard resource, intermediate resource and intensive resource – with higher payments for expected higher resource usage.

Allocating women to the pathway

If a woman has one or more of the “intensive resource” characteristics, she is allocated to the intensive pathway, irrespective of any other factors.

If a woman has none of the “intensive resource” characteristics but has any one (or more) of the “intermediate resource” characteristics, she is allocated to the intermediate pathway.

If a woman does not have any of the listed characteristics, she is allocated to the “standard resource” pathway.

Where does the information come from?

At the booking appointment, the midwife (or other maternity health professional) will complete their health and social care risk assessment.

As part of this assessment, either using the new Maternity Minimum Dataset or a local collection, the various factors and characteristics exhibited by the pregnant woman will be determined.

It is this information that feeds the allocation of the pathway.

Intensive

Current factors

Expecting twins or more

Medical factors

HIV

Renal disease

Diabetes and other endocrine disorders

Rhesus isoimmunisation/ other significant blood group antibodies

Cardiovascular/cardiac disease

Sickle cell disease/thalassaemia

Malignant disease

Severe (brittle) asthma

Venous thromboembolic disease

Autoimmune disease

Thrombophilia/clotting disorder

Previous Obstetric History

Previous fetal congenital anomaly that required specialist fetal medicine

Intermediate

Current factors

Complex social factors

BMI greater than 35

BMI less than 18

Physical disabilities

Substance / Alcohol Misuse

Medical factors

Mental health

Hepatitis B or C

Genetic/Inherited disorder

Epilepsy requiring anti-convulsants

Previous uterine surgery (excluding previous caesarean section)

Hypertension

Previous Obstetric History

Eclampsia, Pre-eclampsia, HELLP

Puerperal psychosis

Early pre-term birth (<34 weeks)

3 or more consecutive miscarriages

Fetal loss (2nd or 3rd trimester)

Neonatal death or stillbirth

Intrauterine growth restriction

Placenta accreta

Low weight term baby – less than 2½ kg

High weight term baby – more than 4½ kg

Fetal congenital anomaly

Who gets paid?

The woman chooses her lead provider for the pathway at her booking appointment.

Usually, the lead provider will be the same, but where it is different, the new lead provider is responsible for payment to the initial provider who undertook the booking appointment.

Incentives and contracts

Commissioners and providers should agree the outcomes, quality and patient experience indicators and thresholds they will use to influence and improve proactive antenatal care in their contracts, with a view to reducing avoidable interventions and complications throughout the whole maternity pathway

Antenatal Pathway – Commissioning System Information

Data Item	Source Dataset	Dataset Code Number	
NHS Number (Mother)	Maternity MDS	17200010	Unique Identifier
Person birth date (Mother)	Maternity MDS	17200020	Identifier
Postcode of usual address (Mother at booking)	Maternity MDS	17200080	Identifier
Organisation Code (GMP Practice of mother at booking)	Maternity MDS	17200100	Identifier
Appointment Date (Formal Antenatal Booking)	Maternity MDS	17200790	Commencement of payment pathway
Organisation Code (Antenatal Pathway lead provider)			Provider to receive pathway payment

On average, over 97% of people who contact health services have an NHS number for identification. Where there is no NHS number, providers must request an NHS number.

Intensive Resource Pathway - Characteristics

Current Pregnancy	Source Dataset	Dataset Code Number	Activity
Expecting twins or more	Maternity MDS	17202020 – greater than 1	Dating scan – number of fetuses
Medical			
HIV	Maternity MDS	17201650 – 02, PN or 17210310 - 11	Screening at booking – Investigation Result STI Diagnosis – Mother at booking
Renal disease	Maternity MDS	17200350 – 03	Mother’s medical history at booking
Diabetes and other endocrine disorders	Maternity MDS	17200350 – 08, 16	Mother’s medical history at booking
Rhesus isoimmunisation/ other significant blood group antibodies	Maternity MDS	17201260 – NEG and 17201350 – 1 (Sensitised)	Rhesus group of mother AND Screening at booking – Investigation result
Cardiovascular/cardiac disease	Maternity MDS	17200350 – 02	Mother’s medical history at Booking
Sickle cell disease/thalassaemia	Maternity MDS	17202270	Screening at booking – Investigation result
Clotting disorder or other thrombophilia	LOCAL INFORMATION		
Cancer / malignant disease	Maternity MDS	17200350 - 10	Mother’s medical history at

			Booking
Severe (brittle) asthma			Mother's medical history at Booking
Thromboembolic disorder	Maternity MDS	17200350 - 05	Mother's medical history at Booking
Autoimmune disease	Maternity MDS	17200350 - 09	Mother's medical history at Booking
Previous Obstetric History			
Previous fetal congenital anomaly that required specialist fetal medicine			Previous pregnancies

Intermediate Resource Pathway - Characteristics

Current	Source Dataset	Dataset Code Number	Activity
Complex Social Factors – under 20	Maternity MDS	17200020 – calculate age	Person birth date
Complex Social Factors – homeless	Maternity MDS Maternity reference data	17200080 – ZZ99 3VZ 06 HOMELESS	Postcode of usual address Mother’s demographics@ Booking – ITEM 6 – ACCOMMODATION TYPE
Complex Social Factors – recent migrant (last 12 months)	Maternity reference data	N = 00 FULL YEARS	Mother’s demographics ITEM 22 – NUMBER OF YEARS IN UK
Complex Social Factors – refugee or asylum seeker	Maternity reference data	07 YES	Mother’s demographics @ Booking ITEM 7 – REFUGEE/ASYLUM SEEKER
Complex Social Factors –	LOCAL INFORMATION OR OTHER DATASET		
Complex Social Factors – Social Care Issues	LOCAL INFORMATION OR OTHER DATASET		
Complex Social Factors – domestic abuse	LOCAL INFORMATION OR OTHER DATASET		
Complex Social Factors – can’t speak or understand English	Maternity reference data	11 YES	Mother’s demographics @ Booking ITEM 11 – INTERPRETER REQUIRED INDICATOR
BMI greater than 35 or less than 18	Maternity MDS	17209960 17209970 – calculate BMI	Maternal weight at booking Maternal height at booking

Physical disabilities	Maternity MDS	17200140 - Y	Physical Disability Status Indicator at Booking
Substance Misuse	Maternity MDS	17200970 - 01	Substance Use Status at Booking
Alcohol Misuse	Maternity MDS	17201090 – number of units	Weekly alcohol units at Booking
Medical			
Mental Health	Maternity MDS	17200350	Mother’s medical history at Booking
Hepatitis B	Maternity MDS	17200350 -13 17201490 - 02	Mother’s medical history at Booking Screening at booking – Investigation result
Hepatitis C	Maternity MDS	17200350 -14	Mother’s medical history at Booking
Inherited Disorder	Maternity MDS	17200950	Family history
Epilepsy requiring anti-convulsants	LOCAL INFORMATION		
Hypertension	Maternity MDS	17200350 - 01	Mother’s medical history at Booking
Previous Obstetric History			
Eclampsia	Maternity MDS	17200720 – 03	Previous pregnancies obstetric diagnoses
Severe Pre-eclampsia requiring pre-term birth	Maternity MDS	17200720 – 01	Previous pregnancies obstetric diagnoses

HELLP	Maternity MDS	17200720 – 02	Previous pregnancies obstetric diagnoses
Puerperal psychosis	Maternity MDS	17200720 - 04	Previous pregnancies obstetric diagnoses
Early pre-term birth (<34 weeks)	LOCAL INFORMATION OR DERIVED FROM PREVIOUS PREGNANCY INFORMATION ON MDS		
3 or more consecutive miscarriages	LOCAL INFORMATION OR DERIVED FROM PREVIOUS PREGNANCY INFORMATION ON MDS		
Fetal loss (2 nd or 3 rd trimester)	LOCAL INFORMATION OR DERIVED FROM PREVIOUS PREGNANCY INFORMATION ON MDS		
Previous uterine surgery	LOCAL INFORMATION OR DERIVED FROM PREVIOUS PREGNANCY INFORMATION ON MDS		
Still birth	Maternity MDS	17200650 – more than 0	Previous pregnancies – total previous still births
Neonatal death	LOCAL INFORMATION OR DERIVED FROM PREVIOUS PREGNANCY INFORMATION ON MDS		
Intrauterine growth	LOCAL INFORMATION		
Placenta accreta	LOCAL INFORMATION		

	OR DERIVED FROM PREVIOUS PREGNANCY INFORMATION ON MDS		
Low weight baby – less than 2½ kg	LOCAL INFORMATION OR DERIVED FROM PREVIOUS PREGNANCY INFORMATION ON MDS		
High weight baby – more than 4½	LOCAL INFORMATION OR DERIVED FROM PREVIOUS PREGNANCY INFORMATION ON MDS		
Fetal congenital anomaly	LOCAL INFORMATION OR DERIVED FROM PREVIOUS PREGNANCY INFORMATION ON MDS		