



MANNERS

The Maternal and Neonatal Electronic Recording System

www.perinatal.nhs.uk/manners



The Perinatal Institute has been given the remit to collect, analyse and report on maternal, neonatal and paediatric data in the West Midlands. The MANNERS project has been commissioned by the West Midlands Strategic Commissioning Group through the West Midlands Specialised Services Agency, and has had wide support and input from professional groups, NHS organisations and users. It consists of two key steps:

- 1 To establish and implement a core dataset which is consistent, clearly defined and relevant to the delivery of perinatal care.
- 2 To develop and support a browser-based method by which this data can be collected over the NHSnet.

Development of the dataset and the data collection system has now been completed, and implementation commenced.

The purpose of this information sheet is to summarise the project and to address some frequently asked questions.



1 What is the Core Data Index for Perinatal Data?

This is a set of essential data items which are required for auditing antenatal, intrapartum and neonatal care. It consists of two components:

- ✦ The Neonatal Core Data Index is already in use and the first annual report, with data from all neonatal units in the West Midlands, is due to be published by the Perinatal Institute in January 2005.
- ✦ The Maternity Core Data Index (MCDI) incorporates the data fields which are needed to audit care related to pregnancy and childbirth, and to assess clinical as well as public health related outcomes.

The MCDI has been signed off by the MANNERS Maternity Professional Advisory Group.

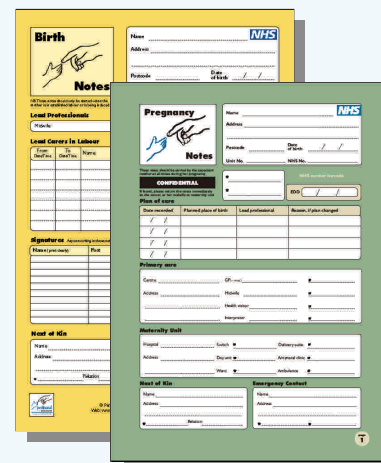
Each dataset has undergone several rounds of consultation and field trials in the West Midlands, and is regularly updated to reflect the evolving need for data within the NHS. The latest versions can be downloaded from www.perinatal.nhs.uk/manners.

2 Why do we not use a national dataset?

The Neonatal Core Data Index is based on the 1997 dataset of the British Association of Perinatal Medicine, and has been updated and expanded by the region's neonatologists and neonatal nurses.

There is currently no national maternity dataset relating to clinical care. Therefore the Perinatal Institute has been conducting an initiative to integrate the data needed for perinatal audit and performance indicators for maternity care related NHS programmes. Where relevant, the data items correspond or map to the definitions in the NHS Data Dictionary.

The data fields are consistent with those documented in the new West Midlands hand-held maternity record (the Pregnancy Notes) and labour record (Birth Notes). The Pregnancy Notes are already used as a standard within the region, and are now also being implemented in an increasing number of other units in England and Wales.



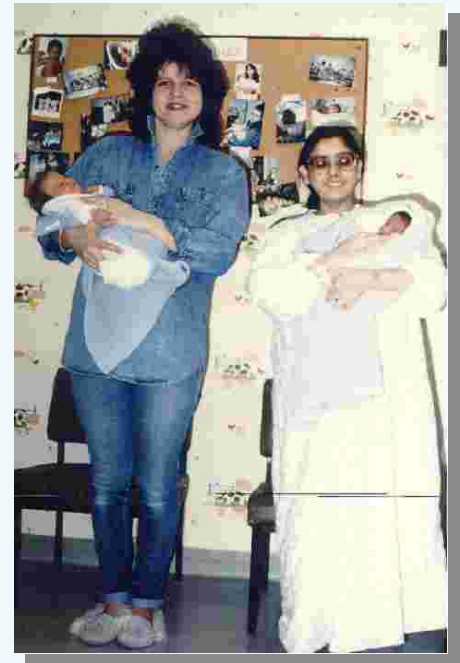
The Pregnancy and Birth Notes

3 What is the purpose of the data collection?

The data are essential for assisting and auditing care along defined standards. For example:

- ✦ Achievement of health service targets, including the NSF for Children and Maternity Services
- ✦ Inequalities and equity audit
- ✦ Intervention rates and trends in adverse outcomes
- ✦ Perinatal deaths (incl. data for the CEMACH 'Rapid Report Forms') and congenital anomalies
- ✦ Clinical governance and CNST
- ✦ The National Screening Committee's programmes for antenatal and neonatal screening
- ✦ National public health targets – e.g. smoking cessation, teenage pregnancy, breastfeeding.

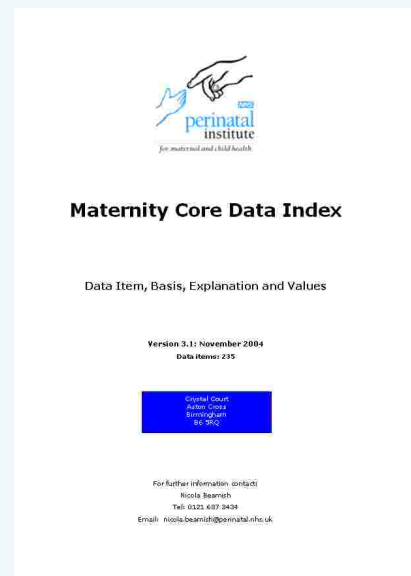
It is essential that the definitions we all use are the same, so that trends can be analysed at various levels, including maternity units, PCTs, SHAs and the region as a whole.



4 How can the data be collected?

Until maternity datasets are NSF policy and are delivered as part of the National Programme for IT, an interim approach needs to be pursued. The Maternal and Neonatal Electronic Recording System (MANNERS) can meet the requirements for recording the core dataset immediately.

Some units have their own maternity systems which can also collect data, but the datasets which are in use can vary substantially. To collect standardised information, the datafields in these systems can either be updated, or the core data items will have to be recorded separately.



The Maternity Core Data Index

5 What is the Maternal and Neonatal Electronic Recording System (MANNERS)?

MANNERS is an NHSnet-based, centrally maintained data system which produces a secure, individual record for each patient. Data about mother and baby can be linked via their respective NHS Numbers which are used as unique identifiers.

With the appropriate permissions, the system allows access for all professionals engaged in the clinical care, wherever they are working. By being patient-based rather than unit-based, the information can be shared effectively. For example, if a mother or baby needs to be transferred, essential information is already available to clinicians in the receiving unit via MANNERS, before the patient even arrives.

The project is funded by regional NHS commissioning, and is provided free to all maternity units in the West Midlands. MANNERS is already in use for the collection of neonatal data, and screening co-ordinators in all but two West Midlands maternity units also use it to audit the National Screening Committee's antenatal screening programme.

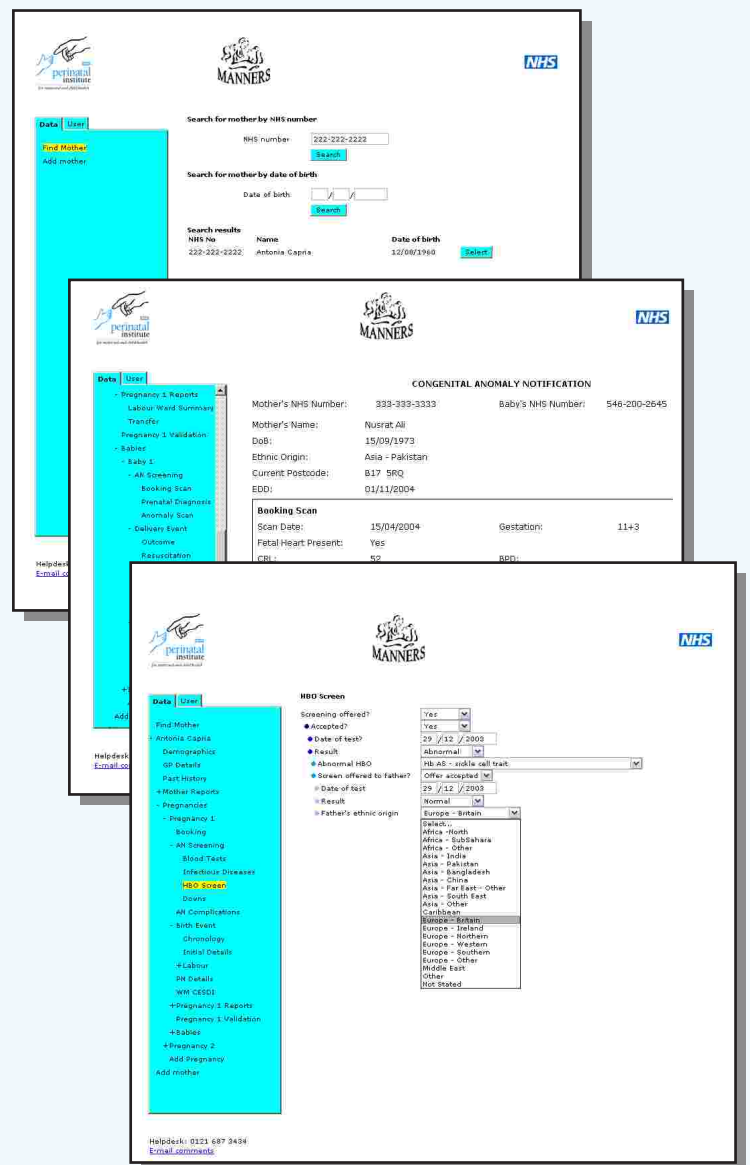
6 How does MANNERS fit in with the National Programme for IT (NPfIT)?

In the long term, NPfIT aims to replace existing maternity systems with a 'reference solution'. MANNERS intends to work with the National Programme to ensure standardised collection of data, and is fully consistent with the approach established by NPfIT in that it:

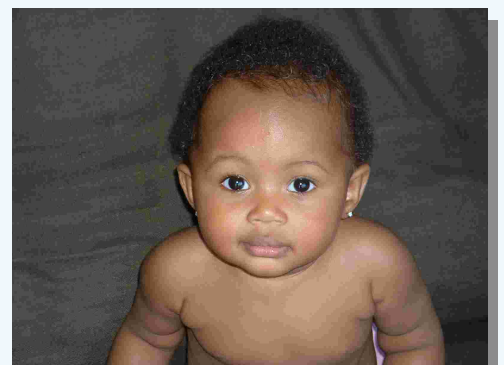
- ✦ Uses NHSnet as a secure platform
- ✦ Applies the NHS number as a unique identifier
- ✦ Is truly patient centered – moving the focus away from unit-based data management
- ✦ Has a clinically relevant standard dataset which is consistent with the NHS Data Dictionary
- ✦ Supports HL7 messaging standards for inter-system communication
- ✦ Is continually supported and developed in line with the latest NPfIT conformance directives

7 Why is MANNERS not compatible with some Patient Administration Systems (PAS)?

PAS are currently being upgraded to NPfIT standard and where this is achieved, they will be able to share information with MANNERS easily. Units which still have older, non-NPfIT compliant PAS may need to double-enter some data items temporarily.



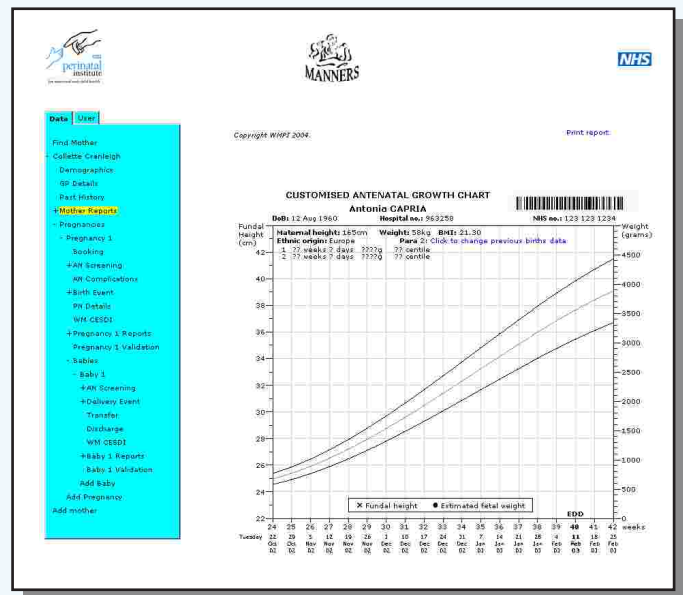
MANNERS screenshots



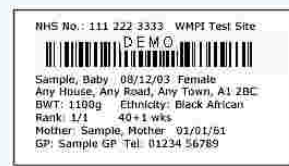
8 What can MANNERS do?

Although principally designed for data collection, MANNERS has several useful functionalities and can calculate or produce the following:

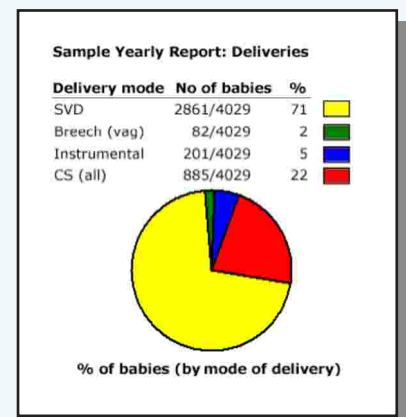
- ✦ Maternal label with NHS Number barcode
- ✦ Body Mass Index
- ✦ Expected date of delivery by ultrasound
- ✦ Gestation at each antenatal scan
- ✦ Customised antenatal growth chart
- ✦ Antenatal congenital anomaly notification
- ✦ Antenatal screening report
- ✦ Length of 1st, 2nd & 3rd stage of labour
- ✦ NN4B
- ✦ Time from rupture of membranes to birth
- ✦ Gestational age at delivery
- ✦ Customised birthweight percentile
- ✦ Labour ward summary
- ✦ Maternal transfer summary
- ✦ Baby transfer summary
- ✦ Blood spot label with NHS Number barcode
- ✦ Birth congenital anomaly notification
- ✦ Admission report and unit graphs
- ✦ Delivery report and unit graphs



Customised Antenatal Growth Chart



NHS barcode baby label



Unit data analysis

9 What about confidentiality, consent and data security?

- ✦ The Perinatal Institute has published a regional confidentiality policy which is available for download from www.perinatal.nhs.uk/manners. The policy follows Department of Health guidelines. All mothers are made aware that data are to be held about them, for what purpose, how they can get further details, and how they can opt out and withdraw consent. Midwives have to sign in the Pregnancy Notes that this explanation has been given to the mother.
- ✦ MANNERS requires strict point-of-access security to patient data. The data are kept on a dedicated, secure server. The information is available for local use in the unit concerned and – in anonymised format – for secondary analysis. The Institute has published a Best Practice Guideline on data security and handling, available from www.perinatal.nhs.uk/manners.

10 What training and support facilities are available?

The software is intuitive and easy to use. It requires minimal IT experience on the part of clinical staff. The Perinatal Institute runs free training workshops and has a helpdesk which is staffed during normal office hours.

Standardised data collection will link in with many local, regional and national NHS objectives towards the enhancement of maternity services, and will aid the attainment of improved perinatal outcome. The Perinatal Institute is committed to assisting this process.

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