



NMPA 🔾







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Our first 2 years

The NMPA has three main elements

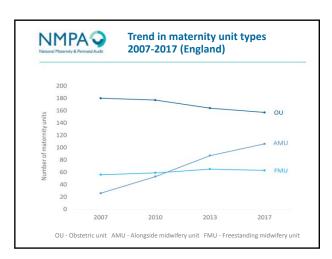
- An organisational survey published August 2017
- A continuous clinical audit published November 2017 repeated annually
- A programme of periodic sprint audits – x2 to be published in late 2018

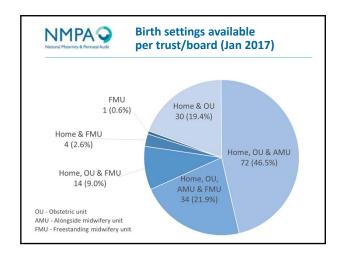




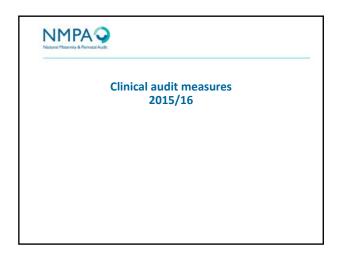
Organisation of maternity care 2017 report

www.maternityaudit.org.uk





NMPAQ National Maternity & Perinatal Audit	Care models (Jan 2017)
 38% of trusts/board 	ds used some form of caseloading
 44% had some or al 	Il midwives working in an integrated way
	y midwives organised into teams
Levels of continuity	of carer reported were low, regardless of
care model	
	rity in teams of more han 6 midwives
	81 (52%)
	No community midwifery team 12 (8%)
	Majority in teams of 3 midwives





First clinical report (covering births between 1st April 2015 and 31st March 2016)

- 96% of trusts/boards contributed data to the clinical report
- 92% of births are ascertained in the dataset
- Selection of measures through a process of evaluation clinical relevance, power, and feasibility
- Characteristics of women and their babies
- 16 risk-adjusted measures of care, 2 of which were used for outlier reporting

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Audit measure category	Measure title	England	Scotland	Wale
Antenatal care	Proportion of women who were smokers at booking who smoke at the time of birth			
Intrapartum Care	Proportion of women with induced labour			
	Proportion of women with a spontaneous vaginal birth			
	Proportion of vaginal births with an episiotomy			
	Proportion of women having an instrumental birth			
	Proportion of women having a caesarean section			
	Proportion of elective deliveries performed at <39 weeks of gestation without a documented clinical indication			
	VBAC rate			
	Proportion of vaginal births with a 3/4th degree perineal tear			
Maternal	Proportion of women with severe PPH (>1500ml)			
morbidity	Proportion of women readmitted to hospital as an emergency within 42 days of giving birth			
	Proportion of small-for-gestational age babies born ≥37 weeks who are not delivered before 40+0 weeks			
	Proportion of singleton, term, liveborn infants with a 5-minute Apgar score of less than 7			
Neonatal	Proportion of liveborn babies with skin to skin contact within 1 hour of birth			
	Proportion of liveborn babies who are given breast milk for first feed			
	Proportion of liveborn babies who are given breast milk at discharge home			

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Birth without intervention

- 2015/16 NMPA report:
- "In selecting measures for inclusion in the NMPA, there was a strong desire to recognise the importance not only of measuring rates of medical interventions and of adverse outcomes, but also of measuring the proportion of births that occur without interventions.

Inclusion of such a measure could, in conjunction with other NMPA measures, assist trusts/boards in ensuring that they are finding an appropriate balance between intervening 'too much, too soon' and 'too little, too late'."

 Also shortlisted as a 'National Maternity Indicator' in England, following a Delphi consensus exercise in late 2016

NMPA Q

Data quality assessments

Site level data quality checks:

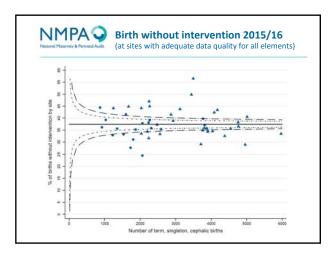
- Data completeness (more than 70%)
- Plausible distribution (e.g. gestational age mostly term)
- Internal consistency checks (e.g. no C-sections in freestanding midwifery led units)

Analysis in NMPA report is restricted to:

- a) Sites that pass NMPA data quality checks
- b) Birth records within those sites that contain the required data to construct a measure

The number of sites for which results are available therefore varies from measure to measure, depending on specific data requirements

Experimental definition agreed by NMPA clinical reference group — adapted from 2007 NCT/RCM/RCOG consensus statement definition Table 3: Quality of data items required to construct a 'birth without intervention' measure Data item required' Sol sites with an obstetric unit (DU) passing data quality checks for this item Singlish sites Singlish s



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Clinical report summary

- High-quality Great Britain dataset with some variables linked for the first time; allowing national analyses never before possible
- Risk adjusted results on key measures in maternity and neonatal care
- Site-specific results available on our website www.maternityaudit.org.uk









Using NMPA data

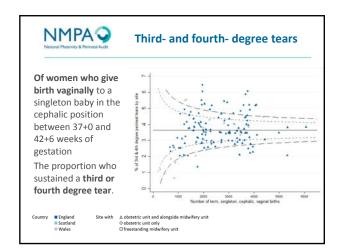


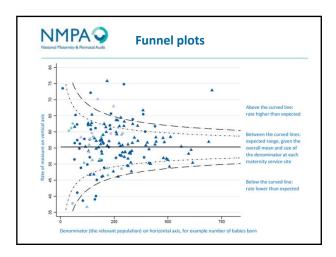
Third- and fourth- degree tears

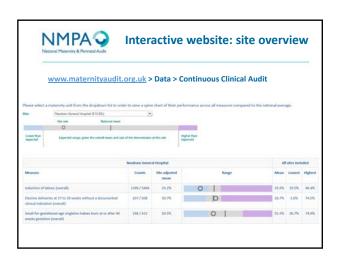
What is measured: Of women who give birth vaginally to a singleton baby in the cephalic position between 37+0 and 42+6 weeks of gestation, the proportion who sustained a third or fourth degree tear.

Country		England	Scotland	Wales*	Total (Britain)
Number of mothers included in analysis		341,204	33,901	8,556	383,661
Proportion overall sustain degree tear	ing third or fourth	3.6%	3.4%	3.3%	3.5%
Primiparous women	Spontaneous	5.4%	4.9%	4.5%	5.3%
	Instrumental	7.8%	7.0%	8.5%	7.8%
Multiparous women	Spontaneous	1.6%	1.5%	1.4%	1.6%
	Instrumental	4.8%	4.1%	5.4%	4.7%

only Hywell Dda Health Board and Cwm Taf University Health Board passed the relevant data quality checks for this measure







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Acting on findings

- Investigate variation outside of expected range (data, organisational & operational factors, case mix, guidance changes, clinical practice)
- Collaborate, e.g. through clinical networks, Local Maternity Systems
- Test improvement interventions incrementally
- Feed back to all involved
- Keep monitoring and feeding back



NMPA National Managery & Personal Audit Some sources of maternity data	
Annual:	
National Maternity and Perinatal Audit <u>www.maternityaudit.org.uk</u>	
NHS Digital annual national maternity stats https://digital.nhs.uk/data-aninformation/publications/statistical/nhs-maternity-statistics	ıd-
• Public Health Data https://fingertips.phe.org.uk/profile-group/child-health	<u>:h</u>
Monthly:	
 NHS Digital Maternity Services Data Set (MSDS) monthly reports https://digital.nhs.uk/data-and-information/publications/statistical/mateservices-monthly-statistics 	rnity-
 NHS Digital new maternity services data viewer and monthly dashboard https://digital.nhs.uk/data-and-information/data-collections-and-data-sets/data-sets/maternity-services-data-set/maternity-services-dashboard 	<u>1</u>



