

Paper 10i

<b>Recommendation</b> <input checked="" type="checkbox"/> <b>DECISION</b> <input checked="" type="checkbox"/> <b>NOTE</b>	<b>The Trust Board is asked to note and discuss the Maternity Key Clinical Indicators (Dashboard)</b>
<b>Reporting to:</b>	<b>Trust Board</b>
<b>Date</b>	27 September 2018
<b>Paper Title</b>	Maternity : Key Clinical Indicators (Dashboard)
<b>Brief Description</b>	<p>The purpose of this report is to provide the Trust Board with an analysis of data within the maternity clinical dashboard for August 2018. The report highlights any elements by exception and indicates a description for the indicators that are not aligned with local or national target</p> <p><b>Percentage of Babies born at less than 2500gms.</b> This is a National Maternity Indicator. The expected Getting it Right first Time (GIRFT) rate for this descriptor is 2.3%. The Trust data for August 2018 was 6.4%; there is no change to the Trust on-going trends of between 6-8%.</p> <p><b>Babies Breast Feeding at Discharge from Midwife to Health Visitor.</b> The NMPA rate is 68.1% SaTH rates have been measured at 46.4% for August 2018. This has been brought to the attention of the Infant feeding coordinator and a plan to bring this back in line will be made.</p> <p><b>Induction of Labour Rate.</b> This is a maternity metric. The NMPA expected rate is 28.5%. The Trust Maternity rate is reported as 38% in August 2018. This has reduced from the previous month of 43%. The education of women around reduced fetal movements has influenced this increase. This rate will be observed going forward to identify any further increases and trends.</p> <p><b>Maternal Outcomes –Caesarean section rate.</b> This overall rate set by the NMPA is 25%. The Trust rate of 20.6% for August 2018 is below this rate.</p> <p><b>Stillbirth –</b> The MBBRACE expected rate was 0.38% (2015). The local rate for August 2018 was 0.3% (one case). There have been a total of eleven stillbirths in the 2018 (calendar year).</p> <p><b>Hypoxic Ischemic Encephalopathy – (HIE).</b> This data is collected on the neonatal IT system “Badger net” and is now a feature on the Clinical Maternity Dashboard from June 2018. There is one reported HIE during August 2018 demonstrating 0.3%. This related to a significant placental abruption admitted from home; leading to a Category 1 caesarian Section requiring swift delivery.</p>
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<b>Recommended / escalated by</b>	None

<b>Previously considered by</b>	<b>None</b>
<b>Link to strategic objectives</b>	<b>Patient and Family</b> – through partnership working we will deliver operational performance objectives  <b>Safest and Kindest</b> – delivering the safest and highest quality care causing zero harm
<b>Link to Board Assurance Framework</b>	RR1204
<b>Equality Impact Assessment</b>	<input checked="" type="radio"/> <b>Stage 1 only (no negative impacts identified)</b> <input type="radio"/> <b>Stage 2 recommended (negative impacts identified)</b> <ul style="list-style-type: none"> <li><input type="radio"/> negative impacts have been mitigated</li> <li><input type="radio"/> negative impacts balanced against overall positive impacts</li> </ul>
<b>Freedom of Information Act (2000) status</b>	<input type="radio"/> <b>This document is for full publication</b> <input type="radio"/> <b>This document includes FOIA exempt information</b> <input type="radio"/> <b>This whole document is exempt under the FOIA</b>

## Maternity: Key Clinical Indicators (Dashboard)

The purpose of this report is to provide the Trust Board with an analysis of data within the maternity clinical dashboard for August 2018.

The report highlights any elements by exception and indicates a description for the indicators that are not aligned with local or national targets below:

- 1. Telford Consultant Unit Births:** The locally set target range for this descriptor based on previous year's activity is between 300-350 births per month. August 2018 has seen a live delivery figure of 344 (88.2%). This is above the national target of 86.6%.
- 2. Midwife led unit Births:** The expected locally set range for this descriptor is 2-50 births per month depending on the MLU. The overall numbers of births in the five Midwife-Led units were 37 births in 2018 (11.5 %). The National MLU birth figure is 11.8%.

Bridgnorth, Ludlow and Oswestry MLU were all suspended to births and postnatal inpatient stays during August 2018 and Shrewsbury MLU has reduced capacity (whilst building works continue). However the births in these units for August 2018 were:

- Wrekin = 27
- Shrewsbury = 9
- Home births for August 2018 were 9 births (2.3%), this is above the national rate set by the National Maternity Perinatal Audit (NMPA) data of 1.4%. There was one Born Before Arrival in August (0.3%)

- 3. Rate of Vaginal Birth after Caesarean Section (VBAC):** The rate of successful vaginal birth after a single previous caesarean section is a Clinical Quality Improvement metric. The expected NMPA rate for this descriptor is 57.7%. The Maternity rate for the Trust during August 2018 for VBAC is 19.4 % compared to 28.6% in July 2018.
  - 4. Smoking at Time of Delivery:** The expected National figure is 11.7%. The Maternity rate for August 2018 is 15.4 %. A Public Health Midwife has been in post for sixteen months (funded by Telford and Wrekin Council and CCG), who continues to concentrate on the Telford and Wrekin pregnant smoking population to change habits and drive down this figure.
  - 5. Babies Breast Feeding at Discharge from Midwife to Health Visitor:** This is an additional maternity metric not measured prior to 2018 by SaTH. Although initiation rates are excellent there appears to be a drop off around discharge from the unit.
  - 6. Access to screening services - % of bookings with a gestation of less than 10 +0 weeks.** This KPI' submission data is collected to inform PHE England and the Regional Screening Board on the Trisomy 13 and 18 rates. The screening Midwife Specialist submits this data monthly. The National and regional target for this screening is 50% as the acceptable standard with an aim of 75%. This target is a QA standard set by NHS England. The figure for August 2018 was 65.2% based on LMP. The validated figure corrected by the Screening Midwife can be as much as 20% below due to using a more accurate marker of gestation at scan. The previous poor rate during 2017/18 was raised by the national screening programme board and has been added to the Women and Children's risk register (current score 16).
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- 7. Access to maternity services** - % of bookings with a gestation of less than 12 weeks and 6 days. The expected National set range for this descriptor is 90 -100%. The rate for August 2018 was 86.7% 2018. Regular booking meetings are taking place to look at ways of improving these figures.
- 8. Antenatal Bookings-** The local expected rates for antenatal bookings are 400-450 per month. During August 2018 there were 422 bookings.
- 9. Hypoxic Ischemic Encephalopathy – (HIE).** HIE is graded into three categories.

#### HIE Grade 1 Mild

- Muscle tone may be slightly increased and deep tendon reflexes may be brisk during the first few days
- Transient behavioural abnormalities, such as poor feeding, irritability, or excessive crying or sleepiness (typically in an alternating pattern), may be observed
- Typically resolves in 24h

#### HIE Grade 2 Moderate

- The infant is lethargic, with significant hypotonia and diminished deep tendon reflexes
- The grasping, Moro, and sucking reflexes may be sluggish or absent
- The infant may experience occasional periods of apnoea
- Seizures typically occur early within the first 24 hours after birth
- Full recovery within 1-2 weeks is possible and is associated with a better long-term outcome

#### HIE Grade 3 Severe

- Seizures are usually generalized, and their frequency may increase during the 24-48 hours after onset, correlating with the phase of reperfusion injury.
- Stupor or coma is typical; the infant may not respond to any physical stimulus except the most noxious.
- Breathing may be irregular, and the infant often requires ventilatory support
- Generalized hypotonia and depressed deep tendon reflexes common
- Neonatal reflexes (e.g., sucking, swallowing, grasping, Moro) are absent
- Disturbances of ocular motion, such as a skewed deviation of the eyes, nystagmus, bobbing, and loss of "doll's eye" (ie,conjugate) movements may be revealed by cranial nerve examination
- Pupils may be dilated, fixed, or poorly reactive to light
- Irregularities of heart rate and blood pressure are common during the period of reperfusion injury, as is death from cardiorespiratory failure

# Maternity Clinical Dashboard - 2018/19 - All SaTH Activity

No	Indicator	Descriptor	APR	MAY	JUN	Q1	JUL	AUG	Q2	YTD	National Figure	National Data Source
1	CQUIM - Clinical Quality	Smoking rate at booking	17.6%	20.6%	16.6%	18.5%	18.8%	16.6%	17.6%	18.1%	19.9%	NMPA
		Normal birth rate	69.9%	68.7%	68.4%	68.9%	65.1%	66.7%	65.9%	67.7%	66.0%	NMPA
		Caesarean section delivery rate in Robson group 1 women	8.5%	3.6%	12.4%	8.2%	4.7%	8.9%	6.7%	7.6%		
		Caesarean section delivery rate in Robson group 2 women	28.2%	26.2%	21.3%	25.0%	30.2%	20.3%	25.5%	25.2%		
		Caesarean section delivery rate in Robson group 5 women	25.4%	28.6%	29.2%	27.9%	34.9%	30.4%	32.7%	29.8%		
		3rd and 4th degree tear rate among women delivering vaginally	2.2%	3.4%	3.6%	3.1%	1.7%	3.0%	2.3%	2.8%	3.5%	NMPA
		Rate of postpartum haemorrhage of 1500ml or greater	1.4%	1.7%	1.3%	1.5%	2.9%	1.6%	2.2%	1.8%	2.7%	NMPA
		Rate of successful vaginal birth after a single previous caesarean section	27.3%	32.4%	40.0%	34.1%	28.6%	19.4%	24.7%	29.9%	57.7%	NMPA
		Smoking rate at delivery	14.0%	17.2%	16.1%	15.9%	15.6%	15.4%	15.5%	15.7%	11.7%	NMPA
		Proportion of babies born at term with an Apgar score <7 at 5 minutes	0.3%	0.8%	0.8%	0.7%	0.3%	0.6%	0.4%	0.6%	3.5%	NMPA
		Proportion of babies born at term admitted to the neonatal intensive care unit	16.2%	17.0%	16.6%	16.6%	18.9%	20.0%	19.5%	17.7%		
		Proportion of babies readmitted to hospital at <30 days of age										
		Breastfeeding initiation rate	76.5%	76.6%	78.6%	77.3%	76.3%	74.7%	75.5%	76.6%		
2	National Maternity Indicators (NMI); Domain 1: Mortality and morbidity	Stillbirth rate	0.3%	0.7%	0.0%	0.3%	0.0%	0.3%	0.1%	0.3%	0.38% (2015)	MBRRACE
		Neonatal Mortality Rate									0.17% (2015)	MBRRACE
		Brain injuries - HIE	0.0%	0.0%	0.0%	0.0%	0.3%	0.3%	0.3%	0.1%		NMPA
		Proportion with singleton term infants with a 5-minute Apgar score of less than 7	0.3%	0.8%	0.8%	0.7%	0.3%	0.6%	0.4%	0.6%	1.2%	NMPA
		Proportion of vaginal births with a 3rd/4th degree perineal tear	2.2%	3.4%	3.6%	3.1%	1.7%	3.0%	2.3%	2.8%	3.5%	NMPA
3	National Maternity	Proportion of birth episodes with severe PPH of greater than or equal to 1500ml	1.4%	1.7%	1.3%	1.5%	2.9%	1.6%	2.2%	1.8%	2.7%	NMPA
		Normal birth rate	69.9%	68.7%	68.4%	68.9%	65.1%	66.7%	65.9%	67.7%	66.0%	NMPA
		Caesarean section delivery rate in Robson group 1 women	8.5%	3.6%	12.4%	8.2%	4.7%	8.9%	6.7%	7.6%		NMPA
		Caesarean section delivery rate in Robson group 2 women	28.2%	26.2%	21.3%	25.0%	30.2%	20.3%	25.5%	25.2%		NMPA
		Caesarean section delivery rate in Robson group 3 women	2.8%	0.0%	2.2%	1.6%	1.2%	0.0%	0.6%	1.2%		NMPA
		Proportion of infants who are small-for-gestational-age (birthweight below 10th centile) (singletons)									No Data Available -	
		Percentage of babies < 2500g	6.8%	7.9%	4.8%	6.5%	8.2%	6.4%	7.3%	6.8%	2.3%	GIRFT
Proportion of live born babies who are breastfed for the first feed	69.3%	70.8%	70.2%	70.1%	66.9%	64.0%	65.4%	68.2%	73.6%	NMPA		
Proportion of births between 23+0 and 27+6 which occur outside of a hospital with a neonatal intensive care unit	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		NMPA		
4	Other metrics not included	Episiotomy rate overall	10.0%	14.8%	8.7%	11.3%	14.0%	14.1%	14.0%	12.4%	22.0%	NMPA
		Overall assisted birth rate - Primip	16.0%	17.9%	18.1%	17.3%	19.6%	19.7%	19.6%	18.3%	25.3%	NMPA
		Overall assisted birth rate - Multip	1.8%	1.2%	2.0%	1.7%	4.3%	3.8%	4.1%	2.6%	5.6%	NMPA
		Skin to skin contact within 1 hour of birth	99.4%	99.3%	100.0%	99.6%	100.0%	99.7%	99.9%	99.7%	79.8%	NMPA
		Babies breastfeeding at discharge	48.2%	47.6%	44.7%	46.8%	42.3%	46.4%	44.4%	45.8%	68.1%	NMPA
		Shoulder Dystocia rate	0.0%	0.7%	0.5%	0.4%	1.5%	0.0%	0.8%	0.6%	0.7%	RCOG
		Induction of labour rate	38.4%	37.0%	37.0%	37.4%	43.0%	38.0%	40.5%	38.6%	28.5%	NMPA
		Rate of 1:1 care in established labour	98.0%	95.2%	96.1%	96.4%	97.7%	98.0%	97.9%	97.0%		
		Percentage of deliveries from mothers with placenta praevia and abruption (spontaneous, unassisted vaginal delivery)	0.0%	0.2%	0.0%	0.1%	0.0%	0.0%	0.0%	0.1%	0.7%	GIRFT
		5	Births activity by Unit	Overall Trust total births	355	418	396	1169	390	390	780	1949
Telford Consultant Unit	300			372	347	1019	354	344	698	1717	4-10	Local
Bridgnorth MLU	1			3	0	4	0	0	0	4	4-10	Local
Ludlow MLU	3			0	0	3	1	0	1	4	4-10	Local
Oswestry MLU	3			0	1	4	0	0	0	4	4-10	Local
Shrewsbury MLU	7			3	4	14	3	9	12	26	10-20	Local
Wrekin MLU	35			28	31	94	24	27	51	145	20-30	Local
BBA/Other	1			1	1	3	1	1	2	5	0-2	Local
Home	5			11	12	28	7	9	16	44	0-5	Local
% of births in Consultant Unit	84.5%			89.0%	87.6%	87.2%	90.8%	88.2%	89.5%	88.1%	86.6%	NMPA
% of birth in a MLU or at home	15.2%			10.8%	12.1%	12.6%	9.0%	11.5%	10.3%	11.6%	14.3%	NMPA
% of births in any MLU	13.8%			8.1%	9.1%	10.2%	7.2%	9.2%	8.2%	9.4%	11.8%	NMPA
% Home Births	1.4%			2.6%	3.0%	2.4%	1.8%	2.3%	2.1%	2.3%	1.4%	NMPA
% BBA/Other	0.3%			0.2%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	NMPA
6	Operative Deliveries			Overall Assisted Births rate %	7.7%	8.0%	7.9%	7.9%	10.3%	10.9%	10.6%	9.0%
		Forceps rate %	6.3%	6.1%	4.8%	5.7%	6.9%	6.0%	6.4%	6.0%	0%-8%	Local
		Ventouse rate %	1.4%	1.9%	3.1%	2.2%	2.9%	4.7%	3.8%	2.8%	0%-11%	Local
		Dual Instruments rate %	0.0%	0.0%	0.0%	0.0%	0.5%	0.3%	0.4%	0.2%	0%-2%	Local
		Caesarean Section rate %	20.3%	20.4%	22.7%	21.2%	22.7%	20.6%	21.6%	21.4%	25%	NMPA
		Primip Caesarean Section rate %	22.9%	21.4%	27.8%	23.9%	26.4%	17.9%	21.8%	23.0%	25.8%	NMPA
		Multip Caesarean Section rate %	17.4%	19.8%	19.8%	19.0%	20.3%	22.7%	21.5%	20.0%	24.4%	NMPA
		% of Deliveries - Category 1 C/Section	1.7%	2.4%	2.8%	2.3%	2.4%	1.6%	2.0%	2.2%	0%-4%	Local
		% of Deliveries - Category 2 C/Section	8.3%	5.6%	7.4%	7.0%	7.1%	5.5%	6.3%	6.7%	0%-8%	Local
		% of Deliveries - Category 3 C/Section	1.7%	2.7%	0.3%	1.6%	1.6%	2.6%	2.1%	1.8%	0%-4%	Local
% of Deliveries - Category 4 C/Section	8.9%	10.0%	12.2%	10.4%	12.1%	10.9%	11.5%	10.9%	0%-10%	Local		
7	Access to Maternity Services	Number of Bookings	476	494	368	1338	362	422	784	2122	400-450	Local
		% of bookings with a gestation of less than 10 weeks	54.6%	64.6%	62.0%	60.3%	64.9%	65.2%	65.1%	62.1%	50%-100%	Local
		% of bookings with a gestation of less than 12 weeks 6 days	85.5%	85.4%	85.3%	85.4%	87.3%	86.7%	87.0%	86.0%	90%-100%	CMS