



- Why is it needed
- What is it about
- What is our local still birth rate
- How good are we following this initiative
- Is it really working



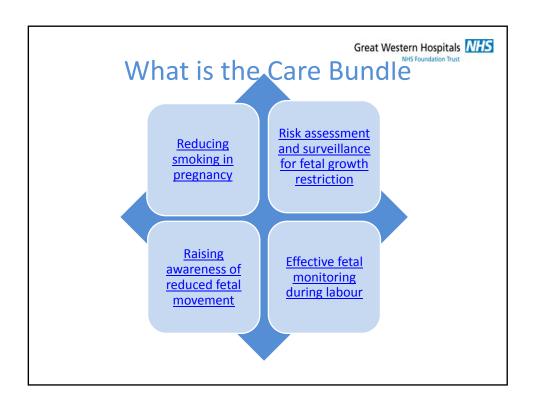
Why did we need to take this initiative

Still Birth rate in UK is 4.7 per 1000)
MBRRACE
NHS England Mandate
(50% reduction by 2030)



MBRRACE common themes

- Reduced fetal movements
- SGA
- Placental problems (2ndary to smoking)
- Inadequet intrapartum care





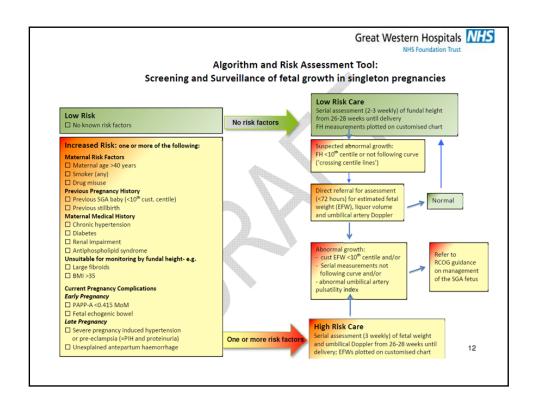
Fetal Growth Monitoring

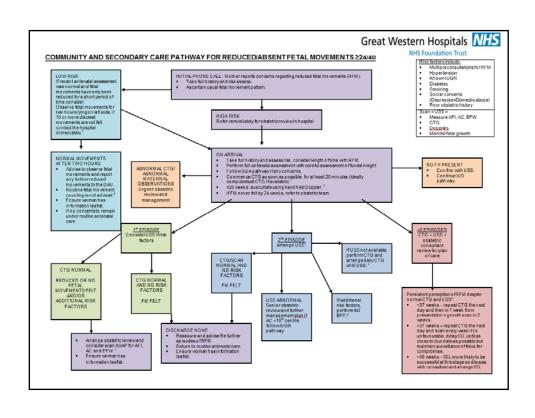
FGR is the biggest risk factor for stillbirth

One in three term still birth due abnormalities of fetal growth (MBBRACE reports on stillbirths)

Intervention:

- <u>Use algorithm supplied by NHS England/RCOG for Growth surveillance</u>
- Ongoing Audit of detection rate, identify missed cases (false negative/false positives) and learning from review







Smoking Cessation

High association with SB ,IUGR, preterm and SIDS

Suggested Intervention:

- -Carbon monoxide (CO) testing at booking
- Referral to a stop smoking service/specialist



Fetal Movements

Strong correlation between episodes of reduced fetal movements and stillbirth.

Suggested Intervention:

- Increase awareness by providing information leaflet
- Mangement in line with RCOG guideline (attach Algo)

Great Western Hospitals NHS

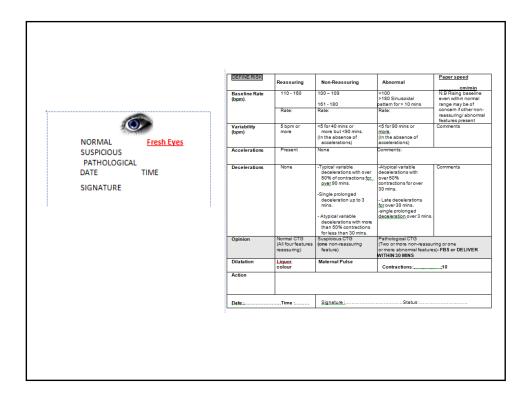
Intrapartum monitoring (CTG)

Recognised method for assessment of fetal well being Screening tool for fetal hypoxia

- Variation in interpretation
- Prevention of HIE (correct interpretation and timely intervention)

Intervention:

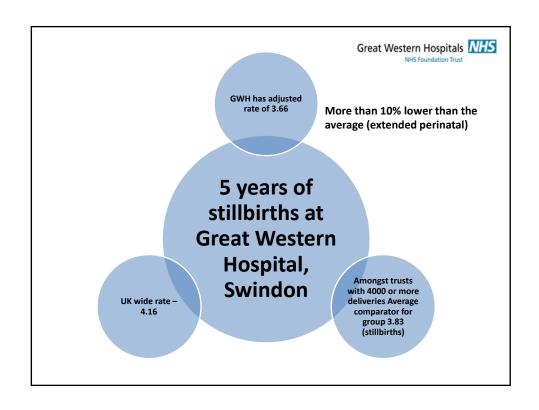
- Staff training
- review of interpretation (fresh eyes) hourly
- Documentation of systemetic review hourly
- Protocol for escalation

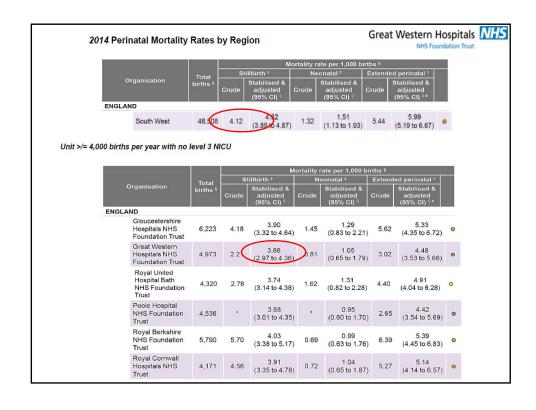


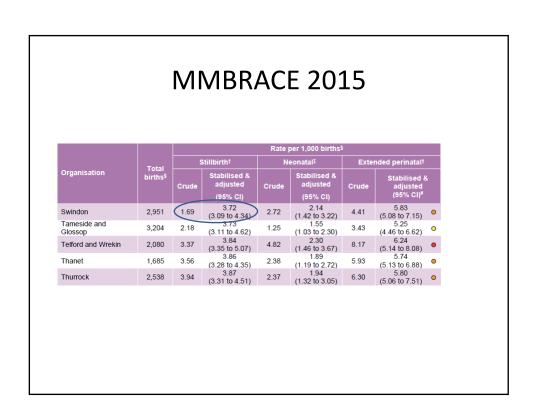


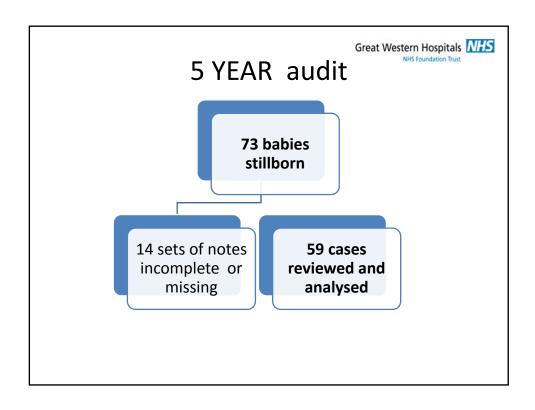
How do we perform at GWH

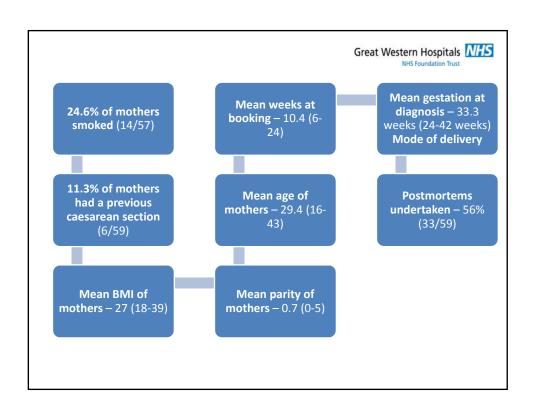
- 5 year data of still birth (2010-2015)
- Various Small audits to check our Compliance with Saving baby life Care bundle
- to check our IUGR detection rate and reviewed our SGA guideline
 - Compliance with RCOG reduced FM guideline
 - Smoking Cessation Program
 - Intrapartum Monitoring

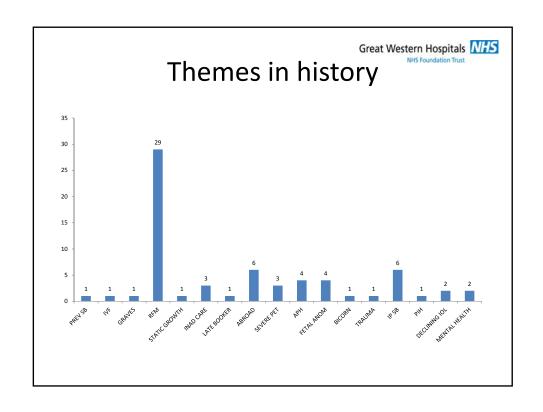


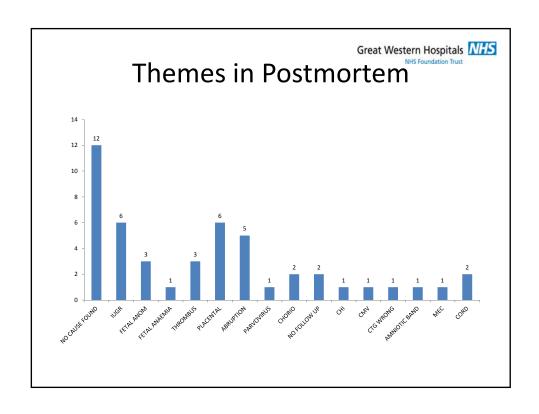


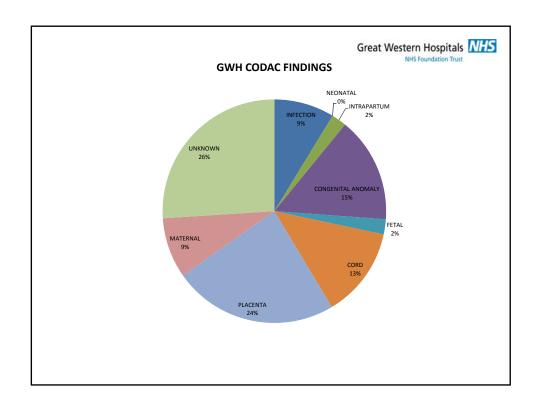


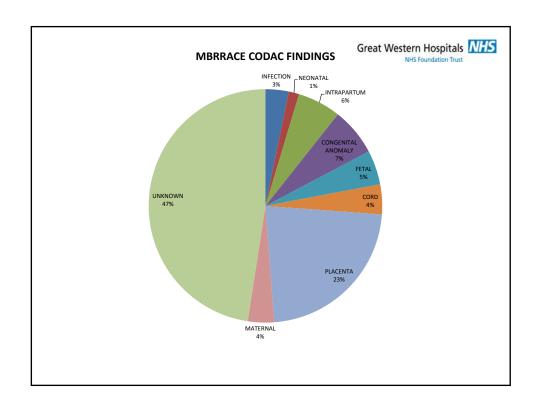


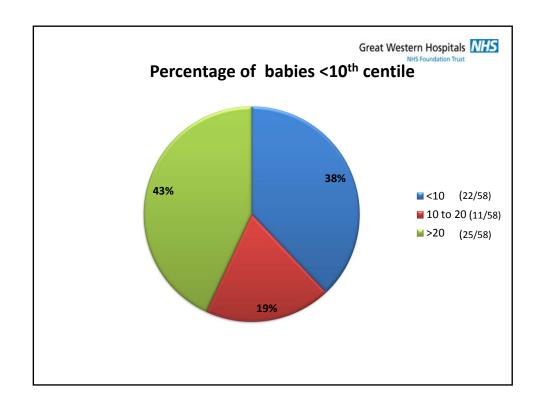


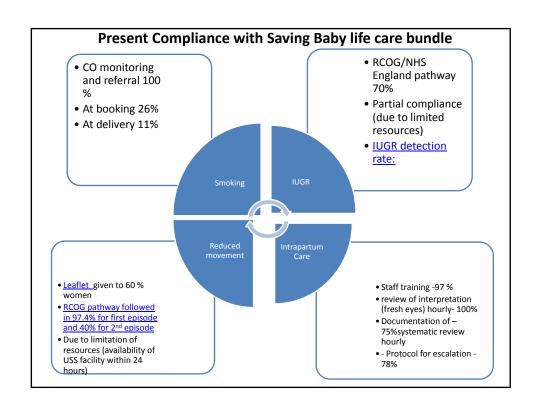


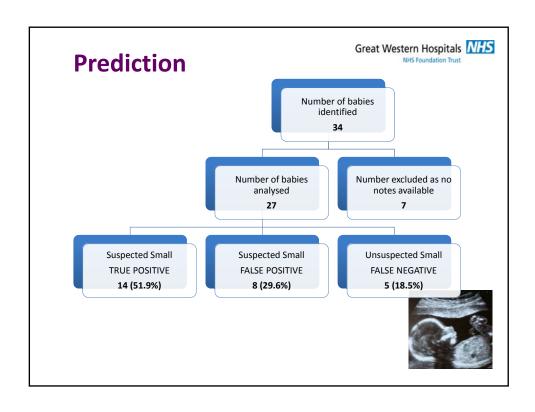










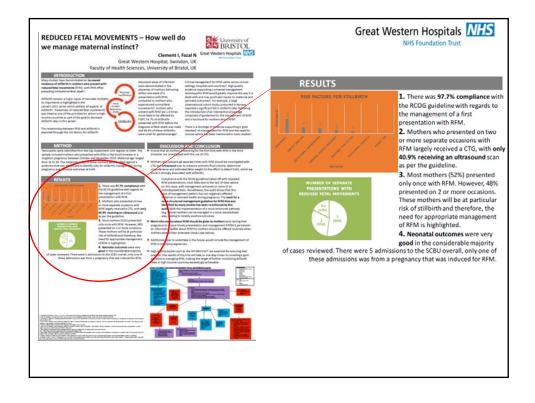






Further Analysis

- False positives learning:
- Actually small by centile for gestation but more than 2.5 Kg
- False negatives learning: one single scan cannot give reassurance, need to be serial
- Smokers should have serial growth scans.



Reflection: Have we made difference?

- Our SB rate is 10% lower than national average
- IUGR and Reduced RFM remains the main themes and need to improve surveillance in these two areas even further
- Allocation of more resources/scanning capacity to meet the vision for reducing by 50% by 2030
- CQUIN 2016 (SB (crude)= 2.39/1000)

Acknowledgement

- Maxine Sleath
- Lisa Kirk
- Emily Hotton
- Ines Clement

References

- https://www.england.nhs.uk/wpcontent/uploads/2016/03/saving-babies-livescar-bundl.pdf
- https://www.rcog.org.uk/en/guidelines-research-services/guidelines/gtg31/
- https://www.npeu.ox.ac.uk/mbrrace-uk
- https://www.rcog.org.uk/en/guidelinesresearch-services/guidelines/gtg57/

Any Questions?