



Perinatal News

Autumn 2018

Perinatal Institute wins prestigious Princess Royal Training Award



PRINCESS ROYAL
TRAINING AWARD
2018

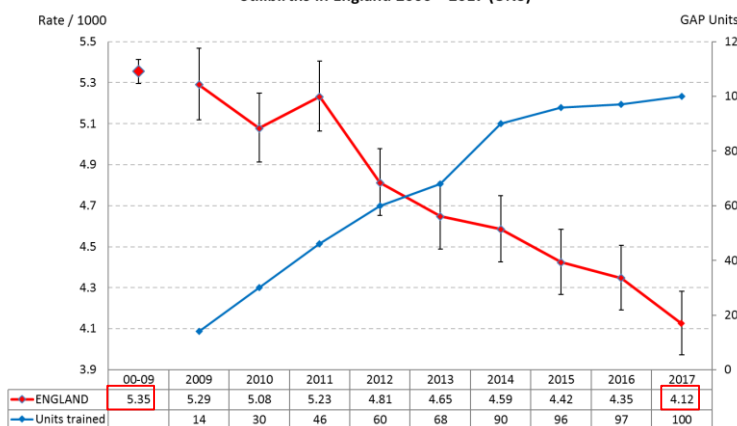
A Princess Royal Training Award is granted to organisations that have demonstrated an exceptional commitment to investing in people through training. We are pleased to have received this award as a recognition of our work, following on from our Queen's Award in 2016.

A key motivator has been the awareness that many adverse pregnancy outcomes are potentially avoidable. Our GAP programme with its hands-on workshops and e-learning modules, the free audit tools, the national maternity notes and other initiatives all succeed through our continued emphasis on robust training of in-house and frontline staff.

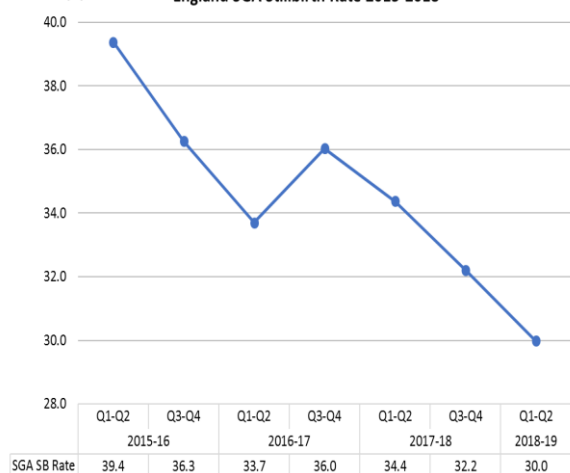
Latest (2017) ONS figures show further drop in stillbirth rates to lowest ever level

- The recently published 2017 ONS figures (released July 2018) show a further reduction in UK stillbirth rates. The sharpest drop was in England, to **4.12** per thousand
 - This represents a **23%** reduction compared to the previous 10 year average (5.35 per thousand) and is equivalent to **860** fewer stillbirths each year.
 - The reduction has fulfilled the Secretary of State's original target* - 20% reduction by 2020 - 3 years early!
- * See <https://bit.ly/1WV18AQ>

Stillbirths in England 2000 – 2017 (ONS)



England SGA Stillbirth Rate 2015-2018



Reduction in SGA stillbirths due to better detection of SGA

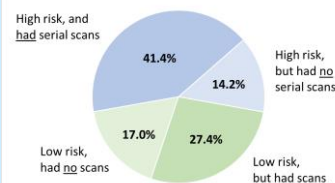
- The proportion of stillbirths in England that are SGA has reduced from 39.4 to 30.0% - a statistically significant trend and attributed to GAP.
- The independent 'SPIRE report' for NHS England also noted the downward trend and confirmed that this was the likely cause of the recently observed reduction in stillbirths. See <https://bit.ly/2NMXoqT>
- The New Zealand Perinatal & Maternal Mortality Review Committee (PMMRC) recently reported similar reductions in SGA perinatal deaths. See report at <https://bit.ly/2zDdxqn>

GAP programme - update on progress

- 81% of UK units have already implemented GAP
- >600,000 GROW charts are being produced per year
- >1 million birthweight centiles have been generated
- E-learning: over 40,000 staff now registered users
- Continuing roll-out of electronic version (GAP Plus)

GAP SCORE missed case audit

- Over half of GAP units are now auditing missed cases regularly
- Main reasons for missing SGA:
 - no serial scans despite risk factors
 - failure to follow GAP protocol





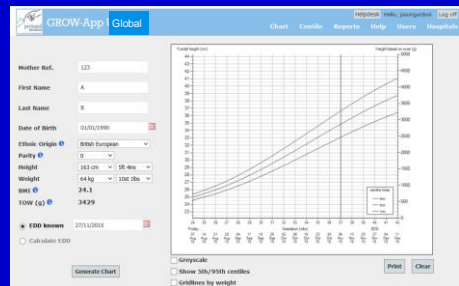
Fetal Growth 2018 - Milan

The 7th International Conference on Fetal Growth will be held from 1-3 October in beautiful Milan this year. The meeting has attracted a record number of registrations and abstracts on various clinical and research aspects of fetal growth. For further information, please see www.fetalgrowth.org



GROW App goes global

The Global Bulk Centile calculator has been available since January 2018 and is already used by researchers in 28 countries. Global GROW charts are being released in October 2018. Both applications have over 100 ethnic / country of origin groups that can be adjusted for more precise assessment of size and growth



Data ID	Ethnicity / Country of Origin	Mean	Mean	Parity	Sex	Duration	Birthweight	Outcome	Centile
012746700	North Africa (NAF)	357	88.0	0	M	272	3450	Live Birth	57.7
014009992	East Europe (EEU)	376	88.0	2	F	272	3750	Live Birth	73.1
018933916	Middle East (MEA)	358	83.0	0	M	300	4140	Live Birth	68.2
019992528	Sub-Saharan Africa (SSA)	364	34.0	0	F	281	3120	Live Birth	30.0
011141418	Belarus (BLR)	350	88.0	1	M	285	3640	Live Birth	54.7
011577932	Cape Verde (CPV)	360	68.0	1	F	285	3640	Live Birth	66.2
010149950	Georgia (GEO)	347	86.0	1	M	272	2900	Live Birth	34.7
012818665	South Europe (SEU)	347	47.0	0	F	272	2900	Fetal Death	3.4
019270936	Central Europe (CEU)	357	89.0	1	F	281	3100	Live Birth	75.1
019416740	Netherlands (NLD)	360	60.0	0	M	285	3430	Live Birth	41.6
017054196	Pacific Islands (PAI)	327	53.0	1	F	280	3100	Live Birth	35.1
014477808	West Europe (WEU)	368	52.0	1	M	290	3740	Live Birth	45.1
018409506	Caribbean (CAR)	360	30.0	0	F	279	2920	Live Birth	13.2
018444444	Other (OTH)	313	81.0	0	M	300	3400	Live Birth	61.6

GAP programme in New Zealand receives national funding

After successful pilots of GROW charts adapted to the New Zealand population, and support by the Royal Australian and New Zealand College of Obstetricians & Gynaecologists and the New Zealand College of Midwives, the NZ Ministry of Health recommended national roll-out of GAP. The initial three year programme is being commissioned through the Accident Compensation Corporation (ACC) and will include roll-out to all District Health Boards. The project will be led by GAP lead Joyce Cowan and be expedited through temporary secondments of designated clinical midwives to assist implementation, as a NZ version of the 2016 Saving Babies in North England (SaBiNE) project.



And at the other end of the growth spectrum: BIG BABY Trial well underway!



The Big Baby Trial is an NIHR funded RCT to investigate the management of pregnancies suspected to have a large for gestational age fetus (>90th customised centile). It is being run by the Perinatal Institute in conjunction with Warwick University & Clinical Trials Unit. Recruitment has started over summer and is progressing well; the majority of eligible mothers agree to be randomised to early delivery or conventional care. Most maternity units across the UK have already expressed interest to participate in recruitment, but there is still room for additional centres; if your unit wishes to take part in the trial, please contact bigbaby@perinatal.org.uk.

MiApp milestones: call for expressions of interest to be a pilot site



MiApp is an innovative paperless solution comprising an **Electronic Maternity System** and a **Personal Health Record** which allows mothers to be participants in their care and its planning. Key features: Mother has full access to own record; self referral facility; fully interoperable with relevant systems; effective offline working; supports payment pathway and new national maternity dataset; provides latest evidence and guidance in appropriate format for mothers. To express an interest to be a pilot site, please contact: miapp@perinatal.org.uk



Recent publications from the Perinatal Institute reviewing GROW, GAP, standards and protocols see www.perinatal.org.uk/GAP

- Gardosi J et al. Customized growth charts: rationale, validation and clinical benefits. Am J Obstet Gynecol. 2018 ; 218:S609-S618
- Williams M et al. Current guidelines, practices and challenges. Ultrasound. 2018; 26(2):69-79
- Francis A et al. Customized vs INTERGROWTH-21st standards for the assessment of birthweight and stillbirth risk at term. Am J Obstet Gynecol. 2018 ; 218:S692-S699.



For further information, please contact:

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Queen's Award 2016



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