



# Perinatal News

## 2018/19

### Perinatal Institute wins prestigious Princess Royal Training Award



PRINCESS ROYAL  
TRAINING AWARD  
2018

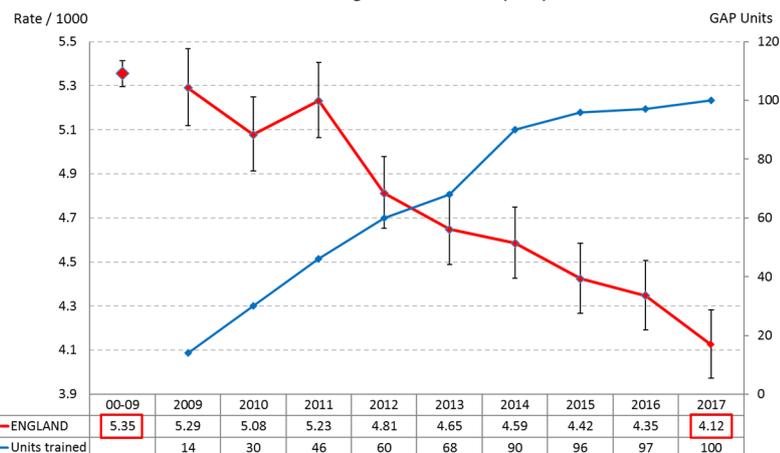
A Princess Royal Training Award is granted to organisations that have demonstrated an exceptional commitment to investing in people through training. We are pleased to have received this award as a recognition of our work, following on from our Queen's Award in 2016.

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.

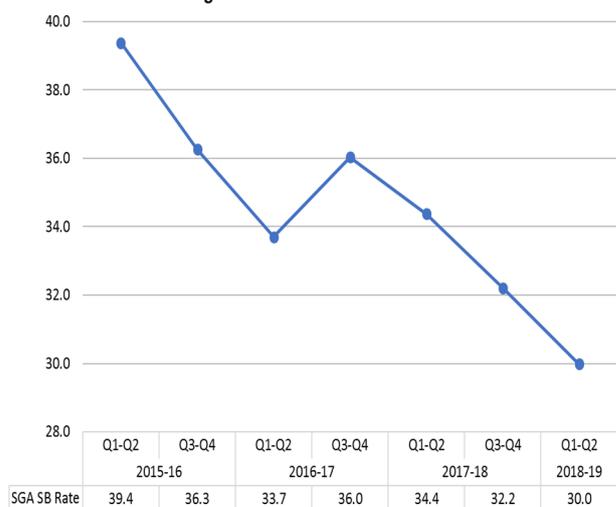
### Latest ONS figures show further drop in stillbirth rates to lowest ever level

- The latest (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

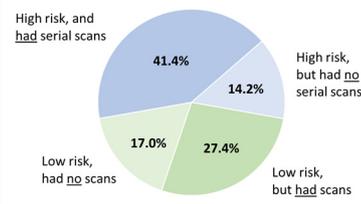
- The proportion of stillbirths in England that are SGA has reduced from 39.4 to 30.0% - a statistically significant trend and attributed to GAP.
- The independent 'SPIRE report' for NHS England also noted the downward trend and confirmed that this was the likely cause of the recently observed reduction 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





The 2018 International Conference on Fetal Growth was held in Milan and attracted a record number of registrations and quality abstracts on a variety of clinical and research aspects of fetal growth.

The abstract book is available on [www.fetalgrowth.org](http://www.fetalgrowth.org)  
Preparations have started for 2019 - announcement to follow soon!

**Fetal Growth 2019: 9-11 October, BERLIN →**



Fetal Growth

**Customised Centile Calculator**  
GROW v8.0.3 (2018)  
[www.perinatal.org.uk](http://www.perinatal.org.uk)

Data ID	Ethnicity / Country of Origin	MatrW	MatrW <sup>2</sup>	Parity	Sex	Gestation	Birthweight	Outcome	Centile
03274070C	North Africa (NAF)	157	88.0	0	M	272	3450	Live Birth	57.2
04634992D	East Europe (EEU)	126	88.0	2	F	272	3750	Live Birth	75.1
29381397N	Middle East (MEA)	168	63.0	0	M	300	4160	Live Birth	68.2
00999526K	Sub-Saharan Africa (SSA)	166	145.0	0	F	181	3150	Live Birth	41.0
0013414E	Bulgaria (BGR)	160	68.0	1	M	185	5660	Live Birth	109.0
01557787Z	Cape Verde (CPV)	160	68.0	1	F	285	3660	Live Birth	66.2
00318950J	Congo (CGO)	147	66.5	0	M	278	2600	Live Birth	18.7
11283466S	South Europe (SEU)	147	47.0	0	F	273	2260	Fetal Death	3.4
00137898A	Ecuador (ECU)	137	66.0	1	F	281	3800	Live Birth	21.1
05016574D	Netherlands (NLD)	160	60.0	0	M	285	3430	Live Birth	41.6
07596139K	Pacific Islands (PAI)	157	53.0	4	F	280		Live Birth	
00477808K	West Europe (WEU)	168	51.0	1	M	290	3740	Live Birth	45.1
16858950C	Caribbean (CAR)	160	102.0	0	F	279	2920	Live Birth	13.2

## GROW App goes global !

← The Global Bulk Centile calculator has been released in 2018 and is already used by researchers in 28 countries. The Global GROW charts will be available in 2019. → Both applications have over 100 ethnic and country-of-origin groups to allow more precise assessment of fetal growth and birthweight.

**GROW-App Global**

Mother Ref: 123  
First Name: A  
Last Name: B  
Date of Birth: 01/01/1990  
Ethnic Origin: British European  
Parity: 0  
Weight: 102.00 kg (37.46 st)  
BMI: 24.1  
TOW (g): 3429

Calculate EGD

Generate Chart

Grey-scale  
 Show 50th/90th centiles  
 Gridlines by weight

## 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 (>90<sup>th</sup> customised centile). It is being run by the Perinatal Institute in conjunction with Warwick University & Clinical Trials Unit and the Coventry and Warwickshire Hospital NHS Trust. Recruitment has started over summer 2018 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, but there is still room for additional centres; if your unit wishes to take part in this important trial, please contact [bigbaby@perinatal.org.uk](mailto: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](mailto:miapp@perinatal.org.uk)**



**Recent publications** →  
about GROW, GAP, standards and protocols available on [www.perinatal.org.uk/GAP](http://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:  
**Perinatal Institute** [info@perinatal.org.uk](mailto:info@perinatal.org.uk)  
Tel +44 (0)121 607 0101 [www.perinatal.org.uk](http://www.perinatal.org.uk)

### Queen's Award 2016



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