



Royal College of
Obstetricians
and Gynaecologists

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NEWSLETTER 66 - April 2023

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Extremely Preterm Prelabour Rupture of Membranes (EPPROM) Study Results published as a preprint

EPPROM (before 23 weeks) is a rare complication of pregnancy that carries significant maternal morbidity, neonatal morbidity and neonatal mortality. It complicates 30-40% of all preterm births. UK clinical guidance for the management of premature rupture of membranes exists for pregnancies over 24 weeks, therefore expectant mothers in the UK who experience EPPROM are presented with a huge variation in information on prognosis and advice on termination.

Within an 18 month period this study was notified of 330 women with singleton and 38 women with multiple pregnancies who experienced preterm premature rupture of membranes between 16+0 and 22+6 weeks gestation. It was found that for singleton pregnancies the live birth rate was 44% (potential range 30 to 60%) and infant survival to discharge was 26% (potential range 12 to 49%). It was found that 18% (potential range 12 to 49%) of infants survived without severe morbidity. For women with singleton pregnancies, the maternal sepsis rate was 12% and 26% for women with twin pregnancies. Surgery for placental removal was 20% and 14% respectively.

This study concluded that pregnancies with EPPROM can have favourable outcomes, however morbidity and mortality rates remain high for mothers and infants in this cohort. These data can be used to counsel women and their families who are experiencing EPPROM prior to 23 weeks gestation and to underpin further research into complex pathologies related to this condition (such as sepsis).

The results of the EPPROM study are now available to view via preprint online at www.npeu.ox.ac.uk/ukoss/publications-ukoss/results. There will also be an infographic available soon to illustrate the main findings of the study.

Star Reporters

Following the reminder in the January newsletter about returning outstanding forms for recently closed studies, we would like to thank both **Katherine Scott at Raigmore Hospital** and **Koreisha Namah and team from Queen's Hospital Romford** for catching up with form returns. Their efforts have been valuable in assisting us with obtaining a robust dataset ready for analysis!

Some edible goodies will be in the post very soon!!

Interested in joining the UKOSS Steering Committee?

Applications are currently being sought for two positions: **Patient and Public Involvement (PPI) Representative and Trainee with an interest in Epidemiology**

For further information and details on how to apply, please visit

www.npeu.ox.ac.uk/ukoss/news/2209-applications-sought-for-2-positions-on-the-ukoss-steering-committee-patient-and-public-involvement-ppi-representative-and-trainee

The deadline for applications is **8th May 2023**.

THIS MONTH

- Meet a new member of the UKOSS team
- New study starting



New study starting this month!

Long-term non-invasive ventilation in pregnancy

- Management of pregnant women on long-term non-invasive ventilation (NIV) or continuous positive airway pressure (CPAP) therapy poses a challenge in terms of worsening respiratory symptoms as a consequence of anatomical and physiological changes occurring in pregnancy.
- There is currently no evidence to guide the management of patients who require NIV/CPAP therapy from pre-conception to postpartum and there is limited evidence of the impact on the fetus.
- This study will determine the proportion of pregnant women presenting to obstetric services who are already established on NIV/CPAP and examine the management and perinatal outcomes of these women and their babies.

Surveillance period

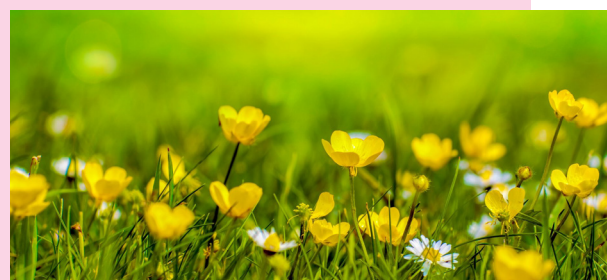
1st April 2023 – 31st March 2025

Case definition

Any pregnant woman who commenced non-invasive ventilation (NIV) or continuous positive airway pressure (CPAP) for a long-term condition, either prior to or during their current pregnancy, and who are booked for antenatal care in a UK obstetric unit.

Excluded: Women commencing NIV/CPAP for an acute condition such as Covid-19 infection.

Please note: All reporters have been emailed the short protocol and case definition, however please contact the team at ukoss@npeu.ox.ac.uk if you did not receive the email or have any queries. The study details are also available on the website at www.npeu.ox.ac.uk/ukoss/current-surveillance.



Case Report Summary for Studies up until the end of February 2023

Study	Actual number of reported cases	Data collection forms returned (%)	Expected number of confirmed cases
Amniotic Fluid Embolism	304	294 (96)	217
Biologic Agents in Pregnancy	116	69 (59)	254
New Therapies for Influenza	10	0 (0)	160
Pregnancy in Women with Known Cardiomyopathy	189	115 (61)	351
Severe Pyelonephritis in pregnancy	59	43 (72)	256
Severe Respiratory Virus – RECOVERY trial	1	1 (100)	47
Thrombotic Microangiopathy Associated Pregnancy Acute Kidney Injury	18	12 (67)	268

A note for Reporters who do not report on all studies

If you are a reporter who, due to your specialism, does not report on all studies please complete the monthly report by entering '0' for all the studies you do not report for. You can indicate in the comments section that you are not providing data for certain studies. The electronic reporting system pools reports submitted by all the reporters in a centre to create a 'Whole Unit' report which provides a full picture of all the cases reported each month. Your colleague's reports will account for the studies you are not reporting for.

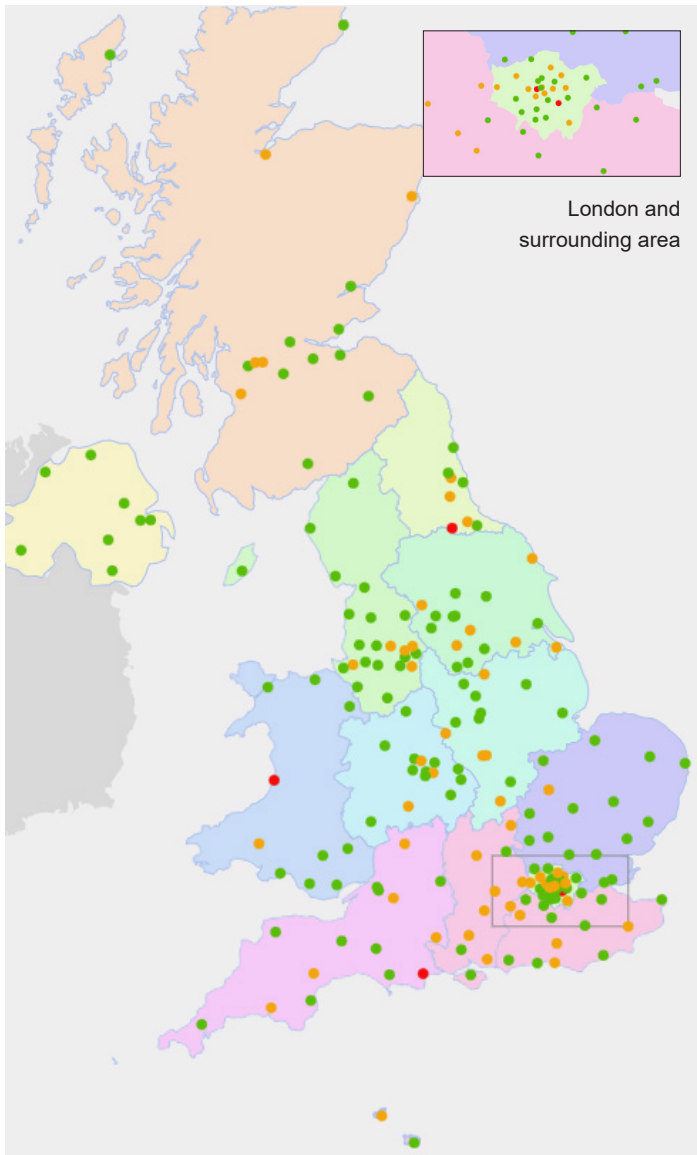
Hospital Monthly Reporting Rates: December 2022 – February 2023

3 months reported, 2 months reported, 1 month reported, 0 months reported

Altnagelvin Area Hospital	Woolwich, London	James Paget University Hospital
Aneurin Bevan University Health Board	Rosie Maternity Hospital	Princess Anne Hospital
Antrim Hospital	Royal Albert Edward Infirmary	Princess Elizabeth Hospital (Guernsey)
Barnet Hospital (Royal Free London NHS Foundation Trust)	Royal Alexandra Hospital	Queen's Medical Centre
Barnsley Hospital	Royal Berkshire Hospital	Raigmore Hospital
Basildon Hospital	Royal Derby Hospital	Rotherham District General Hospital
Bedford Hospital	Royal Free Hospital	Royal Cornwall Hospital
Borders General Hospital	Royal Jubilee Maternity Service	Royal United Hospital
Bronglais Hospital	Royal Lancaster Infirmary	Salisbury District Hospital
Broomfield Hospital	Royal Surrey County Hospital	Singleton Hospital
Causeway Hospital	Royal Victoria Infirmary	South West Acute Hospital
Chesterfield Royal Hospital	Russells Hall Hospital	St Michael's Hospital
City Hospital (Birmingham)	Simpson Centre for Reproductive Health	St Richard's Hospital
Colchester General Hospital	Southend University Hospital	University College Hospital
Countess of Chester Hospital	Southmead Hospital	University Hospital of Wales
Craigavon Area Hospital	St George's Hospital	Watford General Hospital
Croydon University Hospital	St Helier Hospital	West Middlesex University Hospital
Cumberland Infirmary	St James's University Hospital	William Harvey Hospital - East Kent
Daisy Hill Hospital	St John's Hospital	Wishaw General Hospital
Darent Valley Hospital	St Mary's Hospital (Isle of Wight) - Newport	Aberdeen Maternity Hospital
Dumfries & Galloway Royal Infirmary	St Mary's Hospital (Manchester) - Manchester	Bradford Royal Infirmary
Epsom General Hospital	St Mary's Hospital - London	Diana Princess of Wales Hospital
Forth Valley Royal Hospital	St Peter's Hospital	East Surrey Hospital
Furness General Hospital	Stepping Hill Hospital	East Sussex Healthcare NHS Trust (Conquest Hospital)
George Eliot Hospital	Stoke Mandeville Hospital	Gloucestershire Royal Hospital
Glan Clwyd District General Hospital	Sunderland Royal Hospital	King's College Hospital
Good Hope Hospital	The Great Western Hospital	Lancashire Women and Newborn Centre
Harrogate District Hospital	The Jessop Wing	Lister Hospital
Heartlands Hospital - Birmingham	The Portland Hospital	Luton and Dunstable University Hospital
Hull Royal Infirmary	Torbay Hospital	North Middlesex University Hospital
Jersey General Hospital	The Tunbridge Wells Hospital	Princess Royal Hospital (Telford) - Telford
Kettering General Hospital	Ulster Hospital	Princess Royal Maternity Hospital
King's Mill Hospital	University Hospital of Coventry & Warwickshire	Queen's Hospital (Burton) - Burton-on-Trent
Kingston Hospital	University Hospital of North Midlands - Stoke-on-Trent	Queen's Hospital (Romford) - Romford, Essex
Lancashire Teaching Hospitals (Royal Preston Hospital)	University Hospital of North Tees	Royal Oldham Hospital
Leeds General Infirmary	Victoria Hospital - Blackpool	Scarborough Hospital
Leighton Hospital	Victoria Hospital - Kirkcaldy	Scunthorpe General Hospital
Liverpool Women's Hospital	Warrington Hospital	Southern General Hospital
Lincoln County Hospital	Warwick Hospital	Tameside General Hospital
Manor Hospital, Walsall	West Cumberland Hospital	University Hospital Lewisham
Medway Maritime Hospital	Western Isles Hospital	West Suffolk Hospital
Musgrove Park Hospital	Wexham Park Hospital	York Hospital
New Cross Hospital	Whipps Cross University Trust Hospital	Basingstoke and North Hampshire Hospital
Newham General Hospital	Whiston Hospital	Bassetlaw District General Hospital
Ninewells Hospital & Medical School	Whittington Hospital	Derriford Hospital
Nobles Hospital, Isle of Man	Worthing Hospital	Frimley Park Hospital
Norfolk & Norwich University Hospital	Wrexham Maelor Hospital	Guy's and St Thomas' Hospital
North Devon District Hospital	Wythenshawe Hospital	John Radcliffe Hospital
Northumbria Specialist Emergency Hospital	Yeovil Women's Hospital	Leicester General Hospital
Northwick Park Hospital	Ysbytu Gwynedd District General Hospital	Leicester Royal Infirmary
Nottingham City Hospital	Airedale General Hospital	Milton Keynes Hospital
Ormskirk District General Hospital	Arrowe Park Hospital	North Manchester General Hospital
Peterborough City Hospital	Ayrshire Maternity Unit	Northampton General Hospital
Pilgrim Hospital	Birmingham Women's Hospital	Princess Royal Hospital (Haywards Heath) - Haywards Heath
Pinderfields General Hospital	Caithness General Hospital	Princess Royal University Hospital
Poole Hospital	Calderdale Royal Hospital	Royal Bolton Hospital
Prince Charles Hospital	Chelsea & Westminster Hospital	Royal Devon & Exeter Hospital
Princess Alexandra Hospital	Darlington Memorial Hospital	Royal Hampshire County Hospital
Princess of Wales Hospital	Doncaster Royal Infirmary	Royal London Hospital
Queen Alexandra Hospital	Dorset County Hospital	Royal Sussex County Hospital
Queen Charlotte's and Chelsea Hospital	Glangwili General Hospital	The Hillingdon Hospital
Queen Elizabeth the Queen Mother Hospital	Hereford County Hospital	University Hospital of North Durham
Queen Elizabeth Hospital (Gateshead) - Gateshead	Hinchingbrooke Hospital	Worcestershire Royal Hospital
Queen Elizabeth Hospital (Kings Lynn) - Kings Lynn	Homerton University Hospital	
Queen Elizabeth Hospital (Woolwich) -	Ipswich Hospital	
	James Cook University Hospital	

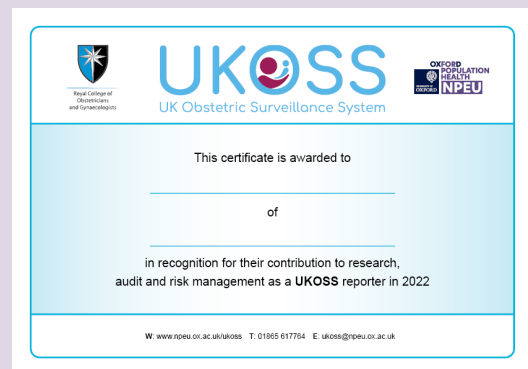
Return rates for January 2022 – December 2022 across all four UK nations.

Reports returned every month, Some reports returned, No reports returned



UKOSS Certificates of Contribution

We are aware that as part of your GMC revalidation or NMC Continual Professional Development, you are required to provide evidence of participation in national audit and research. If any UKOSS reporters would like to receive a certificate confirming their contribution to UKOSS, please email us at ukoss@npeu.ox.ac.uk and we will get one emailed to you.



Lead Reporters

If your site has a 'lead' UKOSS reporter, please let us know and we will make a note of this on our database.

Meet Aoife Lyford, a medical student who is spending her elective research placement with us

Hi, I'm Aoife, a final year medical student from Oxford University and have joined UKOSS on an 8-10 week elective research placement. I will be creating some infographics summarising some of UKOSS's key publications (starting with impacted fetal head). I have been interested in obstetrics/gynaecology and epidemiology throughout medical school so I have been really looking forward to this placement!

I look forward to sharing the infographics with you very soon!

