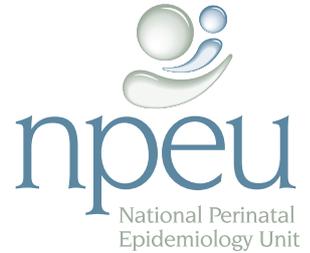




Royal College of
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UK Obstetric Surveillance System



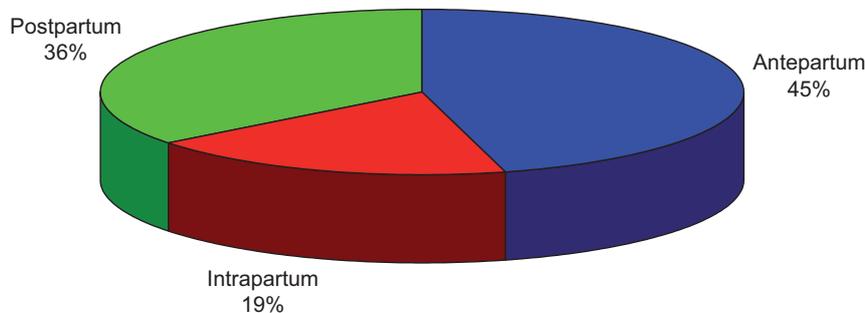
Newsletter 9: April 07

Eclampsia on the decline

Results from the completed study suggest that the number of women suffering from eclampsia has decreased significantly in the UK since the previous national survey in 1992. Three hundred and fourteen cases were reported during the study and information was received for 292 (93%). Two hundred and nine cases met the criteria for eclampsia, representing an estimated incidence of 2.7 cases per 10,000 births (95% confidence interval (CI) 2.3-3.0 per 10,000). This is significantly lower than the incidence reported in 1992 of 4.9 cases per 10,000 births (95% CI 4.5-5.4 per 10,000). The majority of fits occurred antenatally (figure).

The decline in incidence follows the introduction of guidelines for the management of both eclampsia and pre-eclampsia. We believe this study shows the practical benefits of the use of such guidelines and the incorporation of research evidence into practice. **Thank you** to all of you who contributed to this important study. The results have been submitted for publication.

Figure to show the timing of eclampsia in relation to delivery



Cases reported for current studies

Disorder	Actual Number of cases	Expected number of cases
Amniotic fluid embolism	48	26
FMAIT (NAIT)	26	80
Gastroschisis	140	133
Extreme Obesity	Data collection commenced March 2007	
Myocardial infarction	17	120
Non-renal solid organ transplant recipients	5	5
Pulmonary vascular disease	19	9
Renal transplant recipients	9	17

Thanks to the following hospitals who have returned cards for the last three months:

Aberdeen Maternity Hospital, Aberdeen
 Airedale General Hospital, Keighley
 Alexandra Hospital, Redditch
 Altnagalvin Area Hospital, Londonderry
 Antrim Hospital, Antrim
 Arowe Park Hospital, Wirral
 Ayrshire Maternity Unit, Kilmarnock
 Barnsley District General Hospital, Barnsley
 Basildon Hospital, Basildon
 Bassetlaw District General Hospital, Worksop
 Bedford Hospital, Bedford
 Birmingham City Hospital, Birmingham
 Birmingham Women's Hospital, Birmingham
 Borders General Hospital, Melrose
 Bradford Royal Infirmary, Bradford
 Bronlais Hospital, Aberystwyth
 Burnley General Hospital, Burnley
 Causeway Hospital, Coleraine
 Chelsea & Westminster Hospital, London
 Cheltenham General Hospital, Cheltenham
 Chesterfield & North Derbyshire Royal Hospital, Chesterfield
 City Hospitals Sunderland NHS Trust, Sunderland
 Colchester General Hospital, Colchester
 Conquest Hospital, St Leonards-on-Sea
 Countess of Chester Hospital, Chester
 Craigavon Area Hospital, Portadown
 Cumberland Infirmary, Carlisle
 Daisy Hill Hospital, Newry
 Darent Valley Hospital, Dartford
 Darlington Memorial Hospital, Darlington
 Derriford Hospital, Plymouth
 Dewsbury and District Hospital, Dewsbury
 Doncaster Royal Infirmary, Doncaster
 Dorset County Hospital, Dorchester
 Ealing Hospital, London
 Eastbourne District General Hospital, Eastbourne
 Erme Hospital, Enniskillen
 Forth Park Hospital, Kirkcaldy
 Friarage Hospital, Northallerton
 Frimley Park Hospital, Camberley
 Furness General Hospital, Barrow-in-Furness
 George Eliot Hospital, Nuneaton
 Glan Clwyd District General Hospital, Rhyl
 Gloucestershire Royal Hospital, Gloucester
 Good Hope Hospital, Sutton Coldfield
 Guy's and St Thomas' Hospital, London
 Harrogate District Hospital, Harrogate
 Hereford County Hospital, Hereford
 Hexham General Hospital, Hexham
 Hinchingsbrooke Hospital, Huntingdon
 Homerton Hospital, London
 Horton Hospital, Banbury
 Hospital of St John and St Elizabeth, London
 Huddersfield Royal Infirmary, Huddersfield
 Hull Royal Infirmary, Hull
 Ipswich Hospital, Ipswich
 James Cook University Hospital, Middlesbrough
 James Paget Hospital, Great Yarmouth
 Jersey General Hospital, St Helier
 John Radcliffe Hospital, Oxford
 Kettering General Hospital, Kettering
 Kings College Hospital, London
 King's Mill Hospital, Sutton in Ashfield
 Kingston Hospital, Kingston upon Thames
 Lagan Valley Hospital, Lisburn
 Leeds General Infirmary, Leeds
 Leicester General Hospital, Leicester
 Leicester Royal Infirmary, Leicester
 Lincoln County Hospital, Lincoln
 Lister Hospital, Stevenage
 Macclesfield District General Hospital, Macclesfield
 Maidstone General Hospital, Maidstone
 Manor Hospital, Walsall
 Mater Infirmorum Hospital, Belfast
 Mayday University Hospital, Thornton Heath
 Medway Maritime Hospital, Gillingham
 Milton Keynes General Hospital, Milton Keynes
 Nevill Hall Hospital, Abergavenny
 Nobles Hospital, Douglas
 Norfolk & Norwich University Hospital, Norwich
 North Devon District Hospital, Barnstaple
 North Hampshire Hospital, Basingstoke
 North Tyneside General Hospital, North Shields
 Northampton General Hospital, Northampton
 Nottingham City Hospital, Nottingham
 Pilgrim Hospital, Boston
 Pontefract General Infirmary, Pontefract
 Poole Hospital, Poole
 Princess Anne Hospital, Southampton
 Princess Elizabeth Hospital, St Martins
 Princess of Wales Hospital, Bridgend
 Queen Charlotte's and Chelsea Hospital, London
 Queen Elizabeth Hospital, Gateshead
 Queen Elizabeth Hospital, Kings Lynn
 Queen Elizabeth Hospital, London
 Queen Elizabeth II Hospital, Welwyn Garden City
 Queen Elizabeth the Queen Mother Hospital, Margate
 Queen Mary's Hospital, Sidcup
 Queen Mother's Hospital, Glasgow
 Queen's Hospital, Burton upon Trent
 Rochdale Infirmary, Rochdale
 Rosie Maternity Hospital, Cambridge
 Rotherham District General Hospital, Rotherham
 Royal Albert Edward Infirmary, Wigan
 Royal Alexandra Hospital, Paisley
 Royal Blackburn Hospital, Blackburn
 Royal Bolton Hospital, Bolton
 Royal Cornwall Hospital, Truro
 Royal Glamorgan Hospital, Llantrissant
 Royal Gwent Hospital, Newport
 Royal Hampshire County Hospital, Winchester
 Royal Jubilee Maternity Service, Belfast
 Royal Lancaster Infirmary, Lancaster
 Royal London Hospital, London
 Royal Oldham Hospital, Oldham
 Royal Shrewsbury Hospital, Shrewsbury
 Royal Sussex County Hospital, Brighton
 Royal United Hospital, Bath
 Royal Victoria Infirmary, Newcastle-upon-Tyne
 Salisbury District Hospital, Salisbury
 Scarborough Hospital, Scarborough
 Sharoe Green Unit, Preston
 Singleton Hospital, Swansea
 South Tyneside District Hospital, South Shields
 Southend Hospital, Westcliff-on-Sea
 Southern General Hospital, Glasgow
 Southmead Hospital, Bristol
 Southport & Ormskirk Hospital NHS Trust, Ormskirk
 St George's Hospital, London
 St James's University Hospital, Leeds
 St John's Hospital, Chelmsford
 St John's Unit at Howden, Livingston
 St Mary's Hospital, Newport
 St Mary's Hospital, Portsmouth
 St Michael's Hospital, Bristol
 St Peter's Hospital, Chertsey
 St Richard's Hospital, Chichester
 Staffordshire General Hospital, Stafford
 Stepping Hill Hospital, Stockport
 Stoke Mandeville Hospital, Aylesbury
 Tameside General Hospital, Ashton-under-Lyne
 Taunton and Somerset Hospital, Taunton
 The Great Western Hospital, Swindon
 The Jessop Wing, Sheffield
 The Portland Hospital, London
 Torbay Hospital, Torquay
 Trafford General Hospital, Manchester
 Ulster Hospital, Belfast
 University College Hospital, London
 University Hospital Lewisham, London
 University Hospital of Hartlepool, Hartlepool
 University Hospital of North Durham, Durham
 University Hospital of North Tees, Stockton-on-Tees
 University Hospital of Wales, Cardiff
 Victoria Hospital, Blackpool
 Walsgrave Hospital, Coventry
 Wansbeck General Hospital, Ashington
 Warrington Hospital, Warrington
 Warwick Hospital, Warwick
 Watford General Hospital, Watford
 West Cumberland Hospital, Whitehaven
 West Middlesex University Hospital, Isleworth
 West Suffolk Hospital, Bury St Edmunds
 West Wales General Hospital, Carmarthen
 Western Isles Hospital, Stornaway
 Wexham Park Hospital, Slough
 Whiston Hospital, Prescot
 Whittington Hospital, London
 William Harvey Hospital, Ashford
 Wishaw General Hospital, Wishaw
 Withybush Hospital, Haverfordwest
 Worcestershire Royal Hospital, Worcester
 Worthing Hospital, Worthing
 Wrexham Maelor Hospital, Wrexham
 Wycombe General Hospital, High Wycombe
 Wythenshawe Hospital, Manchester
 Yeovil Women's Hospital, Yeovil
 York Hospital, York
Barnet and Chase Farm Hospitals NHS Trust, Enfield
Caithness General Hospital, Wick
Calderdale Royal Hospital, Halifax
Derby Hospitals NHS Foundation Trust, Derby
Diana Princess of Wales Hospital, Grimsby
Dr Gray's Hospital, Elgin
Dumfries & Galloway Royal Infirmary, Dumfries
East Surrey Hospital, Redhill
Epsom General Hospital, Epsom
Fairfield General Hospital, Bury
Hillingdon Hospital, Uxbridge
Leighton Hospital, Crewe
Liverpool Women's Hospital, Liverpool
New Cross Hospital, Wolverhampton
North Manchester General Hospital, Manchester
North Middlesex Hospital, London
Nottingham University Hospitals NHS Trust, Nottingham
Pembury Hospital, Tunbridge Wells
Peterborough Maternity Unit, Peterborough
Prince Charles Hospital, Methry Tydfil
Princess Alexandra Hospital, Harlow
Princess Royal Hospital, Haywards Heath
Princess Royal University Hospital, Orpington
Raigmore Hospital, Inverness
Royal Berkshire Hospital, Reading
Royal Devon & Exeter Hospital, Exeter
Russells Hall Hospital, Dudley
Sandwell District General Hospital, West Bromwich
Scunthorpe General Hospital, Scunthorpe
Simpson Centre for Reproductive Health, Edinburgh
St Helier Hospital, Carshalton
St Mary's Hospital, London
St Mary's Hospital, Manchester
Stirling Royal Infirmary, Stirling
Whipps Cross Hospital, London
Ysbyty Gwynedd District General Hospital, Bangor
Birmingham Heartlands Hospital, Birmingham
Hope Hospital, Manchester
King George Hospital, Ilford
Luton & Dunstable Hospital, Luton
Newham General Hospital, London
Princess Royal Maternity Hospital, Glasgow
Queen's Hospital, Romford
Royal Free Hospital, London
Solihull Hospital, Solihull
University Hospital of North Staffordshire, Stoke on Trent

Returned all three cards. Returned two cards. Returned one card.

New Study – Therapies for Peripartum Haemorrhage

Funded by

Wellbeing of Women



Haemorrhage remains an important cause of maternal mortality in the UK¹. The basic treatment of major peripartum haemorrhage consists of surgery and/or medical management with transfusion and uterotonic drugs. However, there are now a number of reports of the use of other therapies, including recombinant factor VIIa², B-Lynch or brace sutures³, ligation⁴ and embolisation⁵ of major pelvic vessels (internal iliac/uterine arteries) in cases with continued bleeding. There are no systematic data available at a population level to assess the clinical outcomes following use of these therapies. For example, there are only nine reports in the literature of failed B-Lynch sutures. However, in the UKOSS study of peripartum hysterectomy, 50 women who underwent a peripartum hysterectomy to control haemorrhage had had a B-Lynch or brace suture prior to requiring a hysterectomy. In order to assess the clinical outcomes following these therapies, we need to identify all cases in which they are used. This descriptive study will collect information on the timing of use of these therapies, subsequent haemorrhage and requirement for additional management strategies such as hysterectomy. This will allow us to investigate the outcomes associated with these specific different management strategies depending on the timing of use in order to inform future guidelines for prevention and management.

1. Confidential Enquiry into Maternal and Child Health. Why women die 2000-2002. London: Royal College of Obstetricians and Gynaecologists, 2004.
2. Ahonen J, Jokela R. Recombinant factor VIIa for life-threatening post-partum haemorrhage. *Br J Anaesth* 2005; 94(5):592-5.
3. Allam MS, B-Lynch C. The B-Lynch and other uterine compression suture techniques. *Int J Gynaecol Obstet* 2005; 89(3):236-41.
4. Mousa HA, Alfirevic Z. Treatment for primary postpartum haemorrhage. *Cochrane Database Syst Rev* 2003; (1):CD003249.
5. Badawy SZ, Etman A, Singh M, Murphy K, Mayelli T, Philadelphia M. Uterine artery embolization: the role in obstetrics and gynecology. *Clin Imaging* 2001; 25(4):288-95.

Case definition

The cases will be all women in the UK treated for peripartum haemorrhage with:

- EITHER Recombinant factor VIIa
- OR B-Lynch or other brace suture
- OR Arterial ligation or embolisation.

Surveillance Period

September 2007- September 2008

Collaborating Investigators

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Birmingham Women's Hospital
Peter Brocklehurst, Jenny Kurinczuk,
NPEU

Do you mind going on the UKOSS website?

We are very keen to acknowledge the reporting clinicians who contribute so much to all the UKOSS studies by coordinating reports and completing cards and data collection forms. We would like to do this by keeping a list of hospitals and their current reporters on the UKOSS website. This will also help to facilitate case reporting as we regularly get enquiries from hospital staff unsure of who has responsibility for reporting in their unit. We are hoping to make this page live in June. Please can you let us know if you do not wish to be listed.

UKOSS Monthly Card Return Rates - January - March 2007

The North East does it again! 100% returns for the last three months. The South West are coming very close with 98% but we need more competition from elsewhere!



Star Hospitals

Returning more than 50% of their forms in less than 3 weeks

- Derriford Hospital, Plymouth
- Nottingham City Hospital, Nottingham
- St Mary's Hospital, London
- Norfolk & Norwich University Hospital, Norwich
- University Hospital of Wales, Cardiff

The Chocolate Box

Chocolates for Lynn Crawford from Aberdeen who obviously was not allowed a holiday and reported the first case for 2007. Also for Christine Conner for exemplary form completion and our first second time chocolate winner Geraldine Dyas from Bradford who is fantastic at tracking down where women, their babies and their notes have disappeared to!

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Carole Harris: **01865 289714**

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