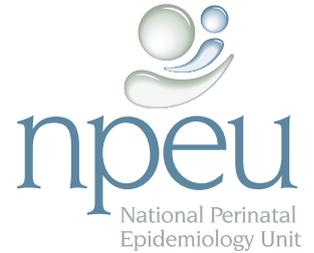


UK Obstetric Surveillance System



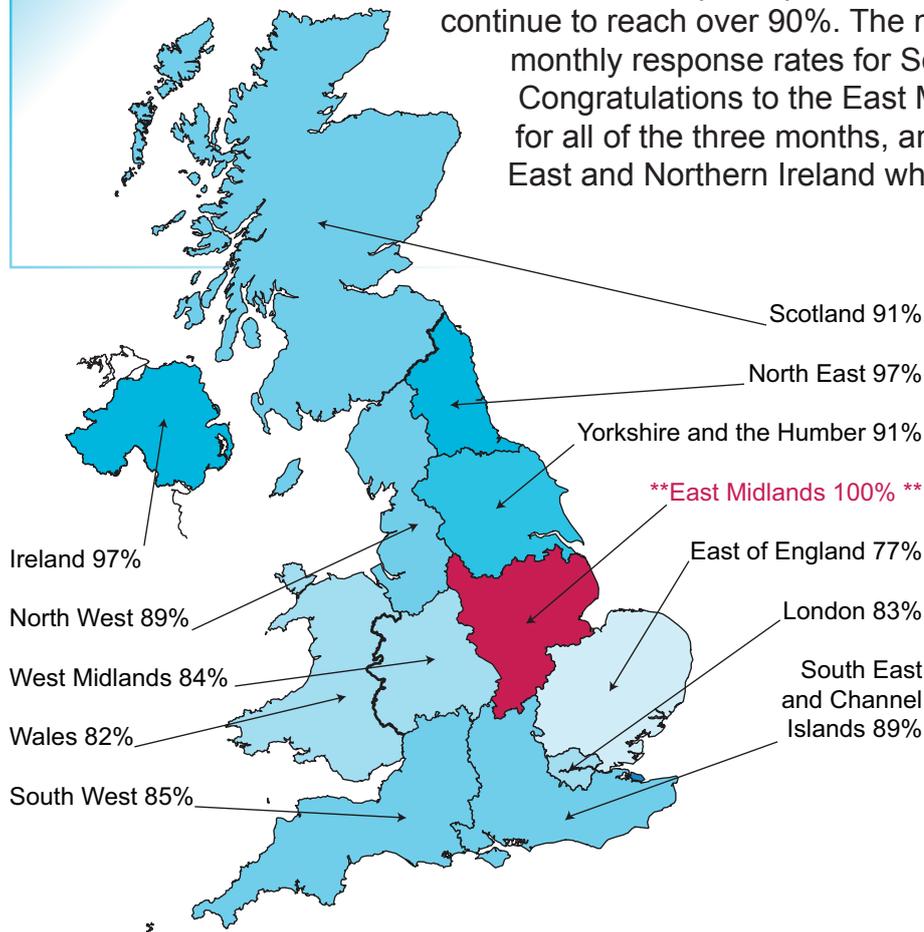
Royal College of  
Obstetricians and  
Gynaecologists

## Newsletter 4: January 06

### The national system to study rare disorders of pregnancy

Thank you once again to all 230 consultant-led maternity units in the UK and Isle of Man who have continued to participate in UKOSS. Monthly response rates continue to reach over 90%. The map below shows average monthly response rates for September to November.

Congratulations to the East Midlands who reached 100% for all of the three months, and once again to the North East and Northern Ireland who were close behind.



230 hospitals  
returned cards.  
800 cases reported.

Disorder	Actual Number of Cases	Expected Number of Cases
Acute Fatty Liver	52	88
Amniotic Fluid Embolism	14	11
Antenatal Pulmonary Embolism	109	55
Eclampsia	242	275
Myocardial Infarction	4	24
Peripartum Hysterectomy	305	275
Tuberculosis	74	187

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

Aberdeen Maternity Hospital  
 Airedale General Hospital  
 Alexandra Hospital  
 Altnagalvin Area Hospital  
 Antrim Hospital  
 Arrowe Park Hospital  
 Ayrshire Central Hospital  
 Barnet and Chase Farm Hospitals  
 Barnsley District General Hospital  
 Basildon Hospital  
 Bassetlaw District General Hospital  
 Bedford Hospital  
 Birmingham City Hospital  
 Birmingham Women's Hospital  
 Borders General Hospital  
 Bradford Royal Infirmary  
 Bronglais Hospital  
 Burnley General Hospital  
 Caithness General Hospital  
 Calderdale Royal Hospital  
 Causeway Hospital  
 Chelsea & Westminster Hospital  
 Cheltenham General Hospital  
 Chesterfield & North Derbyshire Royal Hospital  
 City General Hospital  
 City Hospitals Sunderland NHS Trust  
 Colchester General Hospital  
 Conquest Hospital  
 Countess of Chester Hospital  
 Craigavon Area Hospital  
 Cumberland Infirmary  
 Daisy Hill Hospital  
 Darent Valley Hospital  
 Darlington Memorial Hospital  
 Derby City General Hospital  
 Derriford Hospital  
 Dewsbury and District Hospital  
 Diana Princess of Wales Hospital  
 Doncaster Royal Infirmary  
 Dorset County Hospital  
 Dr Gray's Hospital  
 Dumfries & Galloway Royal Infirmary  
 Ealing Hospital  
 East Surrey Hospital  
 Eastbourne District General Hospital  
 Epsom General Hospital  
 Erme Hospital  
 Fairfield General Hospital  
 Forth Park Hospital  
 Friarage Hospital  
 Frimley Park Hospital  
 Furness General Hospital  
 George Eliot Hospital  
 Glan Clwyd District General Hospital  
 Gloucestershire Royal Hospital  
 Good Hope Hospital  
 Guy's and St Thomas' Hospital  
 Harold Wood Hospital  
 Harrogate District Hospital  
 Heatherwood Hospital  
 Hereford County Hospital  
 Hexham General Hospital  
 Hillingdon Hospital  
 Hinchingsbrooke Hospital  
 Homerton Hospital  
 Hope Hospital  
 Horton Hospital  
 Hospital of St John and St Elizabeth  
 Huddersfield Royal Infirmary  
 Hull Royal Infirmary  
 Ipswich Hospital  
 James Cook University Hospital  
 James Paget Hospital  
 Jersey General Hospital  
 John Radcliffe Hospital  
 Kettering General Hospital  
 King George Hospital  
 Kings College Hospital  
 King's Mill Hospital  
 Kingston Hospital  
 Lagan Valley Hospital  
 Leeds General Infirmary  
 Macclesfield District General Hospital  
 Leicester General Hospital  
 Leicester Royal Infirmary  
 Leighton Hospital  
 Lincoln County Hospital  
 Lister Hospital  
 Liverpool Women's Hospital  
 Macclesfield District General Hospital  
 Maidstone General Hospital  
 Manor Hospital  
 Mater Infirmerum Hospital  
 Medway Maritime Hospital  
 Mid-Ulster Hospital  
 Milton Keynes General Hospital  
 Nevill Hall Hospital  
 New Cross Hospital  
 Newham General Hospital  
 Ninewells Hospital & Medical School  
 Nobles Hospital  
 Norfolk & Norwich University Hospital  
 North Devon District Hospital  
 North Hampshire Hospital  
 North Middlesex Hospital  
 North Tyneside General Hospital  
 Northampton General Hospital  
 Northwick Park Hospital  
 Nottingham City Hospital  
 Pembury Hospital  
 Peterborough Maternity Unit  
 Pilgrim Hospital  
 Pontefract General Infirmary  
 Poole Hospital  
 Prince Charles Hospital  
 Princess Alexandra Hospital  
 Princess Anne Hospital  
 Princess Elizabeth Hospital  
 Princess of Wales Hospital  
 Princess Royal Hospital  
 Princess Royal Maternity Hospital  
 Princess Royal University Hospital  
 Queen Charlotte's and Chelsea Hospital  
 Queen Elizabeth Hospital, Gateshead  
 Queen Elizabeth Hospital, Kings Lynn  
 Queen Elizabeth Hospital, London  
 Queen Elizabeth II Hospital  
 Queen Elizabeth the Queen Mother Hospital  
 Queen Mary's Hospital  
 Queen Mother's Hospital  
 Queen's Hospital  
 Queen's Medical Centre  
 Queen's Park Hospital  
 Raigmore Hospital  
 Rochdale Infirmary  
 Rosie Maternity Hospital  
 Rotherham District General Hospital  
 Royal Albert Edward Infirmary  
 Royal Alexandra Hospital  
 Royal Berkshire Hospital  
 Royal Bolton Hospital  
 Royal Cornwall Hospital  
 Royal Devon & Exeter Hospital  
 Royal Free Hospital  
 Royal Glamorgan Hospital  
 Royal Gwent Hospital  
 Royal Hampshire County Hospital  
 Royal Jubilee Maternity Service  
 Royal Lancaster Infirmary  
 Royal London Hospital  
 Royal Oldham Hospital  
 Royal Shrewsbury Hospital  
 Royal Surrey County Hospital  
 Royal Sussex County Hospital  
 Royal United Hospital  
 Royal Victoria Infirmary  
 Russells Hall Hospital  
 Salisbury District Hospital  
 Sandwell District General Hospital  
 Scarborough Hospital  
 Scunthorpe General Hospital  
 Sharoe Green Hospital  
 Simpson Centre for Reproductive Health  
 Singleton Hospital  
 South Tyneside District Hospital  
 Southend Hospital  
 Southern General Hospital  
 Southmead Hospital  
 Southport & Ormskirk Hospital NHS Trust  
 St George's Hospital  
 St Helier Hospital  
 St James's University Hospital  
 St John's Hospital  
 St John's Unit at Howden  
 St Mary's Hospital, London  
 St Mary's Hospital, Manchester  
 St Mary's Hospital, Newport  
 St Mary's Hospital, Portsmouth  
 St Michael's Hospital  
 St Peter's Hospital  
 St Richard's Hospital  
 Staffordshire General Hospital  
 Stepping Hill Hospital  
 Stirling Royal Infirmary  
 Stoke Mandeville Hospital  
 Tameside General Hospital  
 Taunton and Somerset Hospital  
 The Great Western Hospital  
 The Jessop Wing  
 The Portland Hospital  
 Torbay Hospital  
 Trafford General Hospital  
 Ulster Hospital  
 University College Hospital  
 University Hospital Lewisham  
 University Hospital of Hartlepool  
 University Hospital of North Durham  
 University Hospital of North Tees  
 University Hospital of Wales  
 Victoria Hospital  
 Walsgrave Hospital  
 Wansbeck General Hospital  
 Warrington Hospital  
 Warwick Hospital  
 Watford General Hospital  
 West Cumberland Hospital  
 West Middlesex University Hospital  
 West Suffolk Hospital  
 West Wales General Hospital  
 Western Isles Hospital  
 Wexham Park Hospital  
 Whipps Cross Hospital  
 Whiston Hospital  
 Whittington Hospital  
 William Harvey Hospital  
 Wishaw General Hospital  
 Withybush Hospital  
 Worcestershire Royal Hospital  
 Worthing Hospital  
 Wrexham Maelor Hospital  
 Wycombe General Hospital  
 Wythenshawe Hospital  
 Yeovil Women's Hospital  
 York Hospital  
 Ysbyty Gwynedd District General Hospital

## New study – Pulmonary Vascular Disease

A new study will be added to the card sent out in April 2006 (reporting cases from March 2006). Pulmonary vascular disease, including Eisenmenger's syndrome, primary and secondary pulmonary hypertension, is one of the rare conditions widely considered to pose an extreme risk of maternal death<sup>1</sup>. Four of the nine maternal deaths in women with congenital heart disease reported in the UK in the last triennium were associated with pulmonary vascular disease<sup>2</sup>; since 1991 there have been 22 maternal deaths in the UK associated with this condition<sup>2</sup>. Eisenmenger's syndrome is estimated to carry a maternal mortality rate of 40% per pregnancy<sup>2</sup>, with an infant mortality rate of 10-15%<sup>1</sup>. A systematic review of the literature in 1998 suggested that the maternal mortality rate had remained unchanged over the previous 20 years<sup>1</sup>. However, the authors of this review recognise that there may be biases in published reports and call for more information from detailed prospective case series in order to differentiate the risks of pregnancy and eventually provide an optimal plan of management. Cases in the UK were collected prospectively on a voluntary basis by the UK Registry of High Risk Obstetric Anaesthesia<sup>3</sup>; however, the register has now ceased to collect data. This prospective study through UKOSS will provide an appropriate national case series with good ascertainment and allow a comprehensive study of the epidemiology and current management of Eisenmenger's syndrome and pulmonary hypertension. We anticipate about 10 case reports per year.

**Case definition:** *EITHER* Pulmonary hypertension: defined as 1) a mean (not systolic) pulmonary artery pressure equal to or greater than 25mmHg at rest or 30 mmHg on exercise in the absence of a left-to-right shunt or 2) a pulmonary artery systolic pressure greater than 36mmHg. Pulmonary hypertension may be primary (no cause identified) or secondary (known cause identified, for example, vasculitis, connective tissue disease, chronic pulmonary thromboembolism, sickle cell disease, drug use),

*OR* Eisenmenger's syndrome: defined as pulmonary hypertension secondary to an uncorrected left-to-right shunt from a ventricular septal defect, atrial septal defect or patent ductus arteriosus.

1. Weiss BM, et al. J Am Coll Cardiol 1998; 31:1650-7.
2. de Swiet M, Nelson-Piercy C. Cardiac Disease. In: Why Mothers Die 2000-2002. London: RCOG, 2004.
3. Dob DP, Yentis SM. Int J Obstet Anesth 2001; 10:267-72.

### Two studies almost completed

UKOSS has nearly reached its first birthday! This means that two of the studies, peripartum hysterectomy and eclampsia, are close to completion. We will be collecting cases up until the end of February 2006 (on the card sent out in March). After March, these two conditions will no longer appear on the list on the UKOSS card. Thank you very much to all those of you who have already completed data collection forms. **89%** of case and control forms have been returned to us within four months of the report of the case. Unfortunately, even a small amount of missing information could prevent us from achieving the primary aims of these studies, which are to document the incidence, management and outcomes of each condition, and thus to improve care in the future, so if you have any of the 11% of outstanding forms please could you try to get them back to us.



## UKOSS Workshop at the British Maternal and Fetal Medicine Society Meeting Cardiff 6-7th April 2006

We will be holding a workshop at the Annual Conference of the BMFMS, which this year is being held in Cardiff. The workshop is aimed at anyone interested in running a study through UKOSS and will cover possible study types, developing a protocol, the application process and potential sources of funding. We will also be discussing new studies planned for later in the year. If you are attending the meeting and have an idea for a study or are just interested in finding out more about how UKOSS can develop, please come along! The workshop will be held at lunchtime on Thursday 6th April.

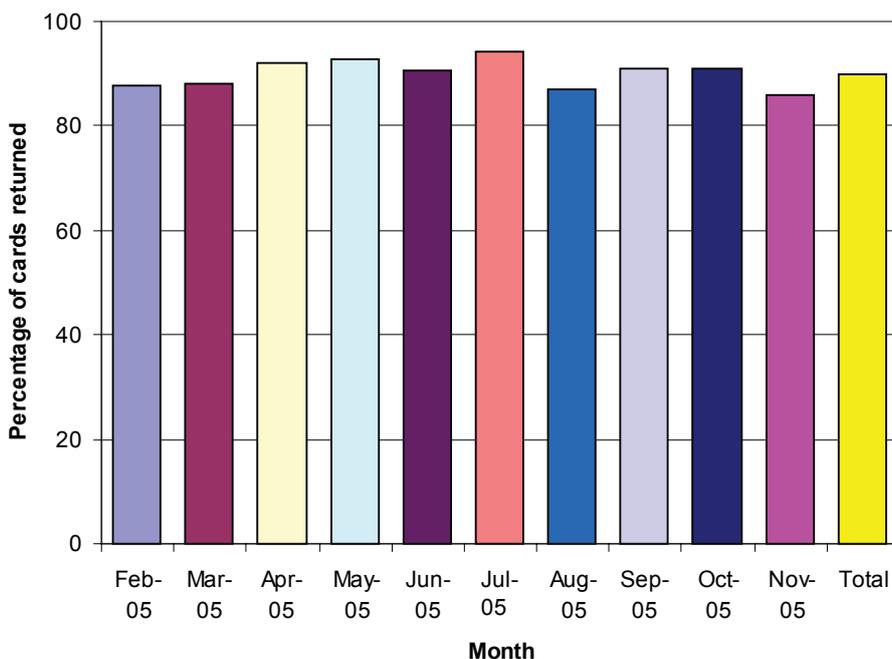
## Extended Reporting

Data collection for the acute fatty liver and antenatal pulmonary embolism studies will be continuing for a further six months due to differences between the actual and estimated case numbers reported.

### Star hospitals

For complete data collection form return:  
 Bradford Royal Infirmary  
 Frimley Park Hospital, Camberley  
 Ipswich Hospital  
 Leeds General Infirmary  
 Manor Hospital, Walsall  
 Nobles Hospital, Douglas  
 Princess Anne Hospital, Southampton  
 Scunthorpe General Hospital  
 Thank you!

## Total UK monthly response rates



### Stationery

If you need any more supplies for your folder, for example return address labels or plastic wallets for reporting cards please let us know.  
 UKOSS@npeu.ox.ac.uk

Marian Knight: **01865 289727**  
 Carole Harris: **01865 289714**

email: **UKOSS@npeu.ox.ac.uk**  
 web: **www.npeu.ox.ac.uk/UKOSS**