

Guidelines and Statistics in Midwifery

Nursing & Midwifery Subject Support Librarians

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2016

Class Objectives

- Guidelines
 - What are guidelines?
 - Why do we need / use guidelines in nursing & midwifery?
 - How are guidelines created?
 - Review of some case studies which have had an affect on the creation of guidelines and legislation
 - How do you find guidelines?
 - What are the pros and cons of using guidelines?
- Statistics
 - What are statistics?
 - Why do we use statistics in Midwifery?
 - Where do you find statistics?

What are guidelines?

Recommended practice that allows some discretion in interpretation, implementation or use.

The Royal College of Obstetricians & Gynaecologists (UK) produces guidelines as an aid to good clinical practice. The guidelines present recognised methods and techniques for clinical practice, based on published evidence, for consideration by obstetricians / gynaecologists and other relevant health professionals.

“Normal practice”, “Expected behaviour” = Guidelines?

- “There were no guidelines, no systems in place, everything was dictated by unwritten policies and most of the time you just didn’t know where you stood—they said that’s the way we do it around here and you just had to accept practice.”
 - *The Lourdes Hospital Inquiry [Drogheda] January 2006.*
- [The] Institute of Obstetricians and Gynaecologists (IOG) has said it is highly unlikely any miscarriage misdiagnosis errors would not have been reported immediately. In a statement it confirmed that in the event of such a situation it is “clearly expected” that a nurse, doctor or any other hospital staff member would immediately inform their line manager.
 - *Miscarriage misdiagnosis crisis, August 2009. [Irish Times](#)*

Pros and Cons of Guidelines

PROS

- Set out recognised methods and techniques of clinical practice, based on published evidence
- Efficiency improves when uniform solutions can be used
- Help clinicians meet the standards set by regulatory bodies
- Enable people to be confident in the care offered, knowing they will be cared for in a consistent, evidence-based approach
- They provide a clear set of rules to follow

CONS

- Not every patient or situation fits neatly into a guideline.
- A guideline will not cover every eventuality, each patient's circumstance needs to be taken into consideration when a treatment is decided upon.
- Some doctors are critical of guidelines arguing they are too restrictive in their recommendations.
- Some guidelines are controversial – may have been developed with a bias?

The most important limitation of guidelines is that the recommendations may be wrong (or at least wrong for individual patients). [...] The promotion of flawed guidelines by practices, payers, or healthcare systems can encourage, if not institutionalise, the delivery of ineffective, harmful, or wasteful interventions.

Woolf, S. H., et al. (1999). "Clinical guidelines: Potential benefits, limitations, and harms of clinical guidelines." *BMJ* 318(7182): 527-530.

<http://www.bmj.com/content/318/7182/527>



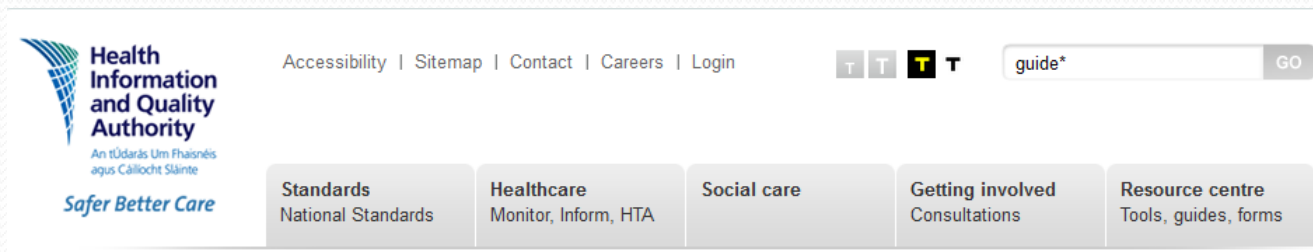
How do you find Guidelines?

Guidelines in Ireland

- [HIQA](#) Health Information and Quality Authority
- [HSE](#) Health Services Executive
- [Lenus, The Irish Health Repository](#)
- [Rian.ie](#) Irish research harvester (incl. Lenus)
- [NMBI](#) Nursing and Midwifery Board of Ireland
- [INMO](#) Irish Nurses & Midwives Organisation
- [RCPI](#) Royal College of Physicians of Ireland: Institute of Obstetricians and Gynaecologists
 - [National Clinical Guidelines in Obstetrics and Gynaecology](#)

HIQA

- The independent Authority established in May 2007 to drive continuous improvement in Ireland's health and social care services.
- Develops standards, monitors compliance and supervises regulation, i.e., registration, oversight and scrutiny of designated health and social care services
- [Catalogue of National Health Information Sources](#)
- [HIQA Guidance Documents](#)



HSE

- The HSE provides all of Ireland's public health services, in hospitals and communities across the country.
- **Obstetrics and Gynaecology Guidelines**
 - Fetal Growth Restriction - Recognition, Diagnosis and Management (May 2014)
 - The Management of Second Trimester Miscarriage (July 2014)
 - Guidelines for the Critically Ill Woman in Obstetrics (August 2014)
 - Parvovirus B19 Exposure / Infection during Pregnancy (September 2014)

Lenus, the Irish Health Repository

- Lenus (the repository) is Ireland's foremost repository for health services research and grey literature. It was launched in 2009 and is managed by the Regional Library & Information Service in Dr Steevens' Hospital, Dublin.
- Lenus makes available the research output of the many organisations providing healthcare in the Republic of Ireland, along with their administrative, clinical and regulatory publications which together provide the background and context for Irish healthcare.

Lenus, the Irish Health Repository

Lenus
The Irish Health Repository

DR STEVENS LIBRARY

HE
Fadhwannacht na Seirbhíse Sláinte
Health Service Executive

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Language English

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Advanced Search Search

FILTER RESULTS

Choose Collection
All of Lenus, The Irish Health Repository

What?
guidelines

Add filters: Use filters to refine the search results.

Abstract

Contains

Add

Authors:
Health Information and Quality Authority (HIQA) (919)
Social Services Inspectorate (SSI) (874)
Health Service Executive (HSE) (556)
Health Information and Quality Authority (HIQA),
Social Services Inspectorate (SSI) (318)
Eastern Health Board (EHB) (272)

Journal:
Irish medical journal (130)
Irish Medical Journal (117)
Nursing in General Practice (74)
Journal of the Irish Dental Association (37)
Irish Medical Journal (IMJ) (36)

Subjects:
Institutional care (1337)
Inspection report (1320)

Lenus, The Irish Health Repository >
Search

Sort by Relevance Descending Results/Page 25 List view Update

Results 1 to 25 of 9482 .
1 2 3 > >>

Export

Issue Date	Title	
2013	Immunisation guidelines for Ireland 2013 National Immunisation Office Author	HTML
1987	Child abuse guidelines: guidelines on procedures for the identification, investigation and management of child abuse Department of Health Author	PDF
FEB 2012	Impact of the introduction of guidelines on vitamin B₁₂ testing. McHugh, Johnny; Show All Authors	
7 APR 2011	Compliance with NICE guidelines in the management of self-harm Mullins, D.; Show All Authors	HTML

Rian.ie

- Rian: harvests the contents of the Institutional Repositories of the seven Irish university libraries and [other Irish research repositories](#), e.g. Lenus, Teagasc, Marine Institute, All Ireland Public Health Repository.

The screenshot displays the Rian.ie website interface. At the top, the Rian.ie logo is visible with the tagline 'PATHWAYS TO IRISH RESEARCH'. A search bar on the right contains the text 'Search rian.ie...' and a 'Search' button. Below the search bar is a navigation menu with links: Home, Browse, Advanced Search, Search History, Marked List, and Statistics. A 'Show search options' link is also present. The main content area shows the current search results for 'guidelines' in all fields. It indicates '738 items found' and provides sorting options: Sort by Relevance, Order Ascending, and 25 per page. There are buttons for 'Update', 'CSV', and 'Export Results'. A list of search results is shown, each with a 'Mark' checkbox and a 'Add to Marked List' button. The results include: 'Prostate Cancer Management Clinical Guidelines (2002)' by the Clinical Guidelines Committee; 'Care of Complex Surgical Cases Clinical Guidelines (2005)' by the Clinical Guidelines Committee; 'Management of Acute Pancreatitis Clinical Guidelines (2003)' by Grace, P.; Lee, Michael; McEntee, G.; Mealy, K.; Murray, Frank E; and 'Guidelines for equipment and staffing of radiotherapy facilities in the European countries: Final results of the ESTRO-HERO survey (2014)' by COFFEY, MARY. On the right side, there are two sidebars. The 'Item Type' sidebar lists various document types with their counts: Book (6), Book chapter (10), Conference item (80), Contribution to newspaper/m... (1), Doctoral thesis (42), Journal article (194), Master thesis (research) (13), Master thesis (taught) (19), Report (185), Review (1), Working paper (12), and Other (175). The 'Institution' sidebar lists institutions with their counts: Dublin City University (29), NUI Galway (25), Maynooth University (36), Trinity College Dublin (47), University College Cork (10), and University College Dublin (45).

NMBI

Nursing and Midwifery Board of Ireland

<http://www.nmbi.ie/Standards-Guidance.aspx>

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 **Bord Altranais agus
Cnámhseachais na hÉireann**
Nursing and Midwifery Board
of Ireland

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Standards & Guidance

[Code >>](#) [Scope of Practice >>](#) [Medicines Management >>](#) [Help Centre >>](#)

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[Code](#) 

[Scope of Practice](#) 

[Midwives Standards](#) 

Standard and guidance for nurses and midwives

The Nursing and Midwifery Board of Ireland (NMBI) is committed to enabling Irish-registered nurses and midwives to play a leading role in improving our health service. Supporting nurses and midwives to achieve standards of professional practice is central to

INMO

Irish Nursing & Midwives Organisation



- Simple search: “guidelines”
 - produces a long list (1330 results, 7/1/16)

OR

- Search: **(guidelines OR guidance) AND midwifery**
 - (897 results, 7/1/16)
- **Not** all the results will be actual guidelines, some references are opinion pieces on *guidelines*, or simply contain the term in the text.

RCPI

Royal College of Physicians of Ireland

- National Clinical Guidelines in Obstetrics and Gynaecology

RCPI: Institute of Obstetricians and Gynaecologists

- *The Institute of Obstetricians and Gynaecologists aims to pursue excellence in the delivery of healthcare to women, and maintain high standards of practice in obstetrics and gynaecology.*
- [*The Institute of Obstetricians and Gynaecologists does not*] register or license obstetricians and gynaecologists nor deal with complaints about individual doctors; this is the role of the Medical Council.

Guidelines in England, Scotland and Northern Ireland

The main UK organisations writing and publishing guidelines include:

- *NICE - National Institute for Health and Clinical Excellence [London]
 - National Clinical Guideline Centre (ncgc.ac.uk)
 - SIGN - Scottish Intercollegiate Guidelines Network / Health Improvement Scotland [Edinburgh]
 - GAIN - Guidelines and Audit Implementation Network / Regulation and Quality Improvement Authority (RQIA) [Belfast]
 - Patient: UK professional organisations and Royal Colleges
 - NHS Information
 - *RCOG: Royal College of Obstetricians and Gynaecologists – guidelines [London]
- * The main resources: **NICE** & **RCOG**

How to search for guidelines?

- Using NICE website
- Using Pubmed
- Using CINAHL
- Using Google

NICE

- NICE: National Institute for Health and Care Excellence
 - provides national guidance & advice to improve health & social care
 - aimed at NHS, Local authorities, Local & National organisations, private & voluntary sector
 - Funds NCGC: [National Clinical Guideline Centre]
 - A multi-disciplinary health services research team
 - Produces evidence based clinical practice guidelines on behalf of NICE

NICE Guidance

- **Since 1 January 2015:** there has been single process to develop guidelines
 - the unified process manual
- **Pre 2015,** guidelines were produced in 5 areas of health
 - public health; medicines practice; clinical practice; social care; safe staffing

NICE

NICE Evidence <https://www.evidence.nhs.uk/>

- An online index of selected, authoritative and evidence-based information for health, public health and social care information
- Sources include: British National Formulary, British National Formulary for children, Clinical Knowledge Summaries, SIGN, the Cochrane Library and Royal Colleges, Social Care Online and GOV.UK.

NICE

<https://www.nice.org.uk/>

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Health and Care Excellence

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of trustworthy and accredited sources.



NICE Guidance

- Use the NICE Guidance webpages to direct you to relevant guidelines

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services

Sign in

Search NICE...

Search using the broad categories or lists



Find guidance

Choose a category to find guidance in your area:

Conditions and diseases >

Health protection >

Lifestyle and wellbeing >

Population groups >

Service delivery, organisation and staffing >

Settings >

NICE guidance

By month

In development

Consultations

Lists of NICE guidance, including published guidance, in development and consultations

> All NICE guidelines

> Clinical guidelines

> Public health guidelines

> Social care guidelines

> Safe staffing guidelines

> Medicines practice guidelines

> Quality standards

> Technology appraisal guidance

> Interventional procedures guidance

> Medical technologies guidance

> Diagnostics guidance

> Highly specialised technologies guidance

Example

- You could search for guidance documents based on a population group

Population groups >

- Infants and neonates

Population groups >

Service delivery,
organisation and staffing >

Carers

Children and young people

Infants and neonates

- You are then onto the guidance pages

Guidance

Resources

Savings and productivity

Local practice

Guidance

Resources

Savings and productivity

Local practice

5 new and 0 updated products since July 2015.

NICE Pathways - mapping our guidance

- Antibiotics for early-onset neonatal infection
- Bronchiolitis in children
- Diet
- Dyspepsia and gastro-oesophageal reflux disease
- Maternal and child nutrition
- Neonatal jaundice
- Physical activity
- Postnatal care

NICE support for commissioning

NICE support for commissioning for feverish illness in children under 5 years (SFCQS64)

July 2014

NICE quality standard

Fever in under 5s (QS64)

July 2014

Jaundice in newborn babies under 28 days (QS57)

March 2014

Maternal and child nutrition (QS98)

July 2015

Neonatal infection (QS75)

December 2014

*****You can then select which aspect of the guidance material you wish to use.**

NICE interventional procedure guidance

Balloon angioplasty of pulmonary vein stenosis in infants (IPG75)

July 2004

Division of ankyloglossia (tongue-tie) for breastfeeding (IPG149)

December 2005

Drainage, irrigation and fibrinolytic therapy (DRIFT) for

NICE guidelines

Bronchiolitis in children: diagnosis and management (NG9)

June 2015

Gastro-oesophageal reflux disease in children and young people: diagnosis and management (NG1)

January 2015

Jaundice in newborn babies under 28 days (CG98)

May 2010

Maternal and child nutrition (PH11)

March 2008

Neonatal infection: antibiotics for prevention and treatment

NICE

<https://www.nice.org.uk/>

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Health and social care

Search...

Search our unique index of authoritative,
evidence-based information from hundreds
of trustworthy and accredited sources.

NICE Pathways: guidance at your fingertips

*Our online tool provides quick and easy **access, topic by topic**, to the range of guidance from NICE, including quality standards, technology appraisals, clinical, public health and social care guidelines and NICE implementation tools.*

Search NICE Pathways...



Use the search box and its results from the A-Z list to navigate to your area of interest: e.g. antenatal ...

NICE Pathways – Mapping our guidance

Our online tool provides quick and easy access, topic by topic, to the range of guidance: clinical, public health and social care guidelines and NICE implementation tools.

A-Z

Topics

Latest

A B C D E F

G H I J K L

M N O P Q R

S T U V W X

Y Z

Antibiotics for early-onset neonatal infection

Antibiotics in respiratory tract infections

Antimicrobial stewardship

Antisocial behaviour and conduct disorders in children and young people

Antisocial personality disorder (see personality disorders)

Anxiety (see generalised anxiety disorder)

Aortic aneurysms

Arthritis, osteoarthritis

Arthritis, rheumatoid

Asthma

Atopic eczema (see eczema)

Atrial fibrillation

Attachment difficulties in children and young people

Attention deficit hyperactivity disorder

Autism

antenatal

- Antenatal and postnatal mental health
- Antenatal care
- Mental health, antenatal and postnatal
- Postnatal and antenatal mental health
- Pregnancy, normal (see antenatal care)

Mapping our gu

nd easy access, topic by topic
care guidelines and NICE imp

For this example we're searching for:

Antenatal care.

Use the search box at the top of the screen to find relevant headings quickly or scroll down until the heading is found in the A-Z list

A-Z

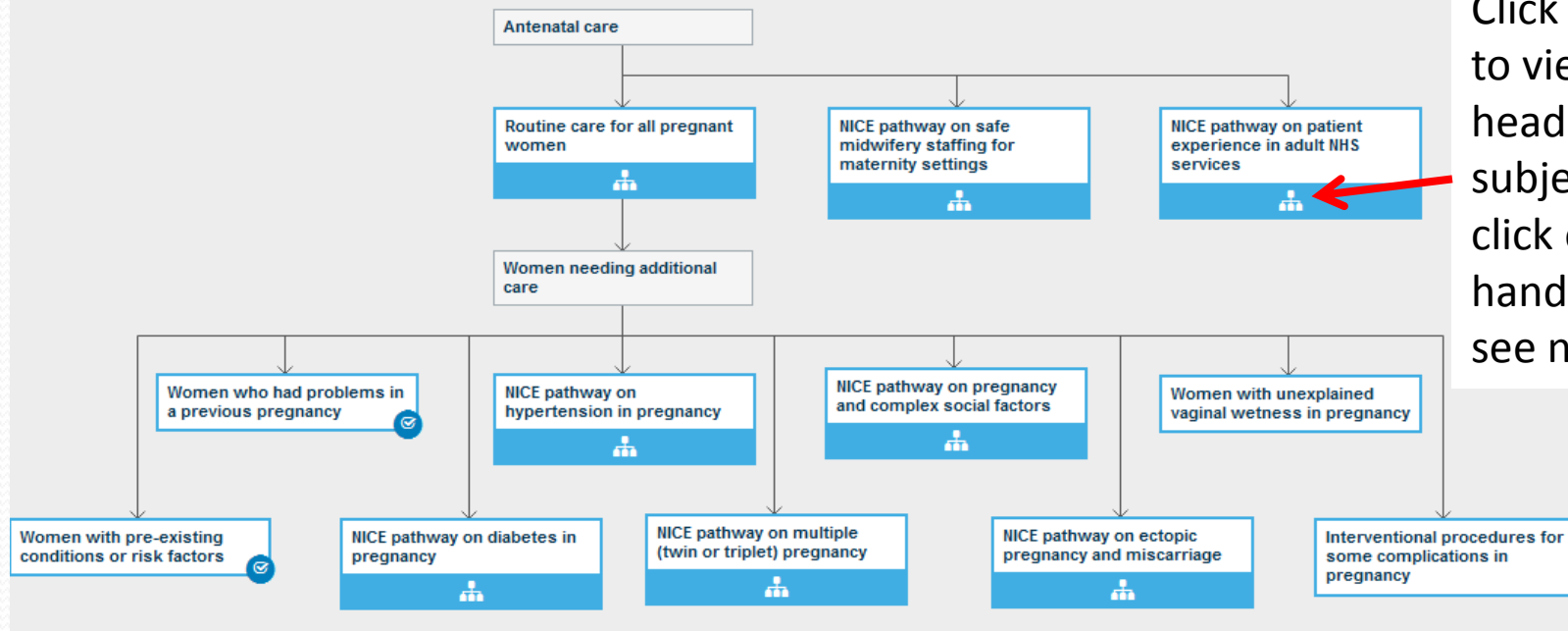
Topics

Latest

A B C D E F
G H I J K L
M N O P Q R
S T U V W X
Y Z

Acute upper gastrointestinal bleeding
Acutely ill patients in hospital
Advanced breast cancer
Adverse drug reactions (see drug allergy)
Aggression and violence
Agoraphobia (see panic disorder)
Alcohol-use disorders
Alzheimer's disease (see dementia)
Anaemia management in people with chronic kidney disease
Anaphylaxis
Antenatal and postnatal mental health
Antenatal care
Antibiotics for early-onset neonatal infection
Antibiotics in respiratory tract infections
Antimicrobial stewardship

Antenatal care overview



Click on this tab to view the heading's subject 'path' or click on the right hand sidebar, see next slide

Search NICE Pathways...



[Leave feedback](#) [Recently viewed](#) [Browse pathways](#)

Routine care for all pregnant women

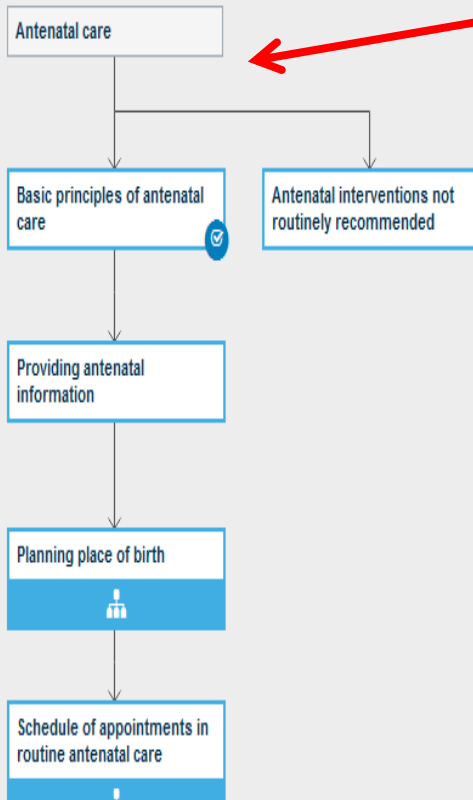


Click on the sidebar labels to see the Antenatal care subject pathway

[About](#) [Resources](#) [Information for the public](#) [Quality standards](#)

These are the paths in the *Antenatal care* pathway:

- [Antenatal care overview](#)
- [Routine care for all pregnant women](#)**
- [Planning place of birth](#)
- [Schedule of appointments in routine antenatal care](#)
- [Booking appointment and arranging screening](#)



NICE

NICE

Standards

Evidence

Sign in

See, for example, Quality Standards

These 4 tabs provide more resources and information

Leave feedback

Recently viewed

Browse pathways



Antenatal care



About



Resources



Information for the public



Quality standards

Antenatal care quality standard

Multiple pregnancy quality standard

Intrapartum care

Hypertension in pregnancy quality standard

Nutrition: improving maternal and child nutrition

Antenatal care quality standard

These quality statements are taken from the [antenatal care quality standard](#). The quality standard defines clinical best practice in antenatal care and should be read in full.

1 Services – access to antenatal care

2 Services – continuity of care

Pathway on safe delivery staffing for community settings

NICE pathway on experience services

Pathway on pregnancy with complex social factors

Women with vaginal wetness

NICE pathway on ectopic pregnancy and miscarriage



Guidelines

The RCOG produces guidelines as an aid to good clinical practice. Our guidelines present recognised methods and techniques for clinical practice, based on published evidence, for consideration by obstetricians/gynaecologists and other relevant health professionals. Find out more about the different types of guideline we publish.

All guidelines on this website are current and remain so until replaced. Find out how to access previous versions of guidelines.

You can browse all of our guidelines below, or search for guidelines by subject or by keyword.

We also publish information

Green-top Guidelines

Search for a guideline

By guideline type

Green-top Guidelines

By keyword

Enter search criteria

Sort results

(ascending)

Search

Clear

Patient information

Information for women about their health

All the Green-top Guidelines for iOS and Android

Consultation documents

Comment on guidelines in development

Searching for Guidelines using PubMed

- Searching PubMed for:
 - guidelines for midwives in Ireland
- Use the following PubMed search string:
 - "guideline"[Publication Type] OR "guidelines as topic"[MeSH Terms] OR "guideline"[All Fields] AND "midwifery"[MeSH Terms] OR midwife[Text Word]AND "ireland"

Searching for Guidelines using CINAHL

- Searching Cinahl for:
 - guidelines for midwives in Ireland
- Use the following Cinahl search string:
 - (MH "Practice Guidelines") OR (MH "Guideline Adherence") **AND** (MH "Midwives") OR (MH "Nurse Midwives") OR (MH "Midwifery Service") 39,385 results
- Combine search using:
 - guidance **AND** (MH "Midwives") **OR** (MH "Nurse Midwives") **OR** (MH "Midwifery Service") 2,832 results
 - (MH "Ireland") **OR** (MH "Northern Ireland") 12,209 results

Searching for Guidelines using Google

- **Search within a specific site**

- Precede query with “**site:**” for a specific site or type of site (.i.e.)

For example, in the ordinary Google Search Box, type

site: hse guidance AND midwifery *or*

site: inmo.ie guideline *or*

site: dohc midwives *or*

site: dohc guid* AND midwi* *or*

site: guid* AND midwi* AND .ie

- **Find related pages / websites**

- Use “**related:**” operator to find pages with similar content.
 - Type **related:** followed by the website address.
 - **related:[insert URL]** to locate similar websites.

Searching for Guidelines using Google Scholar

- Searching Google Scholar for:
 - guidelines for midwives in Ireland
- Use the following search string:
 - midwives Ireland guidelines

Cases prompting new guidelines

- **Neary & Our Lady of Lourdes (2006)**
- **Redmond Baby Scan (2010)**
- **Savita Halappanavar (2012)**
- **Portiuncula Hospital, Ballinasloe (Jan 2015)**
- **Portlaoise Hospital –20 Jan 2016**

Cases prompting new guidelines

Neary & Our Lady of Lourdes (2006)

The Lourdes Hospital Inquiry. An Inquiry into peripartum hysterectomy at Our Lady of Lourdes Hospital, Drogheda.

Dept. of Health: January, 2006

From: INTRODUCTION AND OVERVIEW

1 HISTORICAL BACKGROUND LEADING TO THE HOLDING OF THIS INQUIRY

1.1 In September 2003 Dr. Michael Neary, a well respected, busy and popular consultant obstetrician and gynaecologist at Our Lady of Lourdes Hospital, Drogheda, was struck off the Medical Register following a lengthy hearing before the Fitness to Practise Committee of the Irish Medical Council.

1.2 [...] The process started in late October 1998. Two midwives working at the Maternity Unit of the Lourdes Hospital reported that it was their perception that Dr. Neary was carrying out an unusual number of caesarean hysterectomies and that some of his clinical practices were perceived as being out of date. Initial investigations confirmed that there was substance in the allegation that Dr. Neary had carried out a number of caesarean hysterectomies, some of them on very young women.

Cases prompting new guidelines

Neary & Our Lady of Lourdes (2006)

- Resulted in updated legislation - [Medical Practitioners Act 2007](#)
- The purpose of the Act is
 - to better **protect and inform the public** in its **dealings with medical practitioners**, by introducing measures to ensure the standard of education, training and competence of those practitioners and by adopting measures providing for their registration and control.
 - to restructure the **Medical Council**, increasing its public accountability and enabling it to investigate complaints against medical practitioners
 - to give further effect to Council Directive 2005/36/EC (on the recognition of professional qualifications)
 - to repeal and replace the Medical Practitioners Acts 1978 to 2002.
- Section 85 of the Act allows the Council to **publish** a transcript of all or part of the doctor's professional misconduct enquiry after consultation with the Fitness To Practice Committee .
- The ***Fitness To Practice Committee*** established by the Medical Council is a requirement of the Act. It is the only Medical Council committee that is **not required to have its membership consisting of a majority of medical practitioners**, although at least one third (but less than half) of the membership must be practitioners.
- The Council itself has 25 members, appointed by the Minister, 3 of whom must NEVER have been medical practitioners.

Cases prompting new guidelines

Redmond Baby Scan (2010)

- Redmond Baby Scan misdiagnosis (2010)

PARENTS SPEAK OUT:THE FAMILY of a 13-week-old baby boy who were wrongly told by their hospital that he had died while in the womb have called for an independent investigation into the HSE's handling of their case.

Miscarriage misdiagnosis

[Mr Redmond] said the hospital staff were in shock when they heard of the misdiagnosis and that a scan, using a different machine, was arranged. "In such a place as the early assessment unit you would expect the best of equipment [...]. It was an old machine. It gave grainy pictures and obviously it was faulty. Irish Times 9 Jun 2010

Cases prompting new guidelines

Redmond Baby Scan (2010)

- Immediate response by the HSE and the Department of Health & Children
 - All maternity facilities were advised to put the following measure in place:
A Consultant Obstetrician must approve any decision to use drugs or surgical intervention with women who have had a miscarriage diagnosed.
- The longer term response (Apr 2011), the HSE set up the [HSE Miscarriage Misdiagnosis Review](#), to examine cases within a 5-year period where
 - drug or surgical treatment was recommended when the diagnosis of miscarriage had been made, but
 - subsequent information demonstrated that the pregnancy was viable.
- Summary of Recommendations
 - The HSE should develop, disseminate and implement national guidelines for the management of early pregnancy complications. As of February 2011, such national guidelines have been developed by the HSE and are being implemented across all maternity sites.
- The [Report of the Review](#) (HSE: 2011) included Appendix D - Guidelines For Clinical Audit.

Cases prompting new guidelines

Savita Halappanavar (2012)

People > New to the Parish | Obituaries

All Life & Style ▼

Kitty Holland: Now is the time to tackle the lies told about the Savita

Broadside: Anti-abortion campaigners are being disingenuous. Halappanavar's death had nothing to do with her request to have an abortion being ignored.

© about 13 hours ago | Updated: about 7 hours ago



Kitty Holland

Follow @KittyHollandIT



Savita Halappanavar

A general election is in the offing and it looks like my childbearing years, that the right of women to make decisions about their own bodies when, where, how, if at all, they have children, is a high priority for the government. [style/generation-emigration/destinations/returning-to-ireland/when-i-not-sick-abroad-the-](#)

Irish Times 25 Jan 2016

ADVERTISEMENT

THE IRISH TIMES

Halappanavar (31) died in University Hospital Galway on October 28th, 2012, having been admitted a week earlier, miscarrying. It was her first pregnancy and was much wanted. She was 17 weeks pregnant. The unborn had no chance of survival, and after a day in labour, long before her life was threatened, Halappanavar made her first request for an abortion. This was turned down as there was a foetal heartbeat. A day passed and she asked again. Again her choice was not entertained due to the foetal heartbeat. She began to get ill.

Too many clinicians did not recognise, note or communicate to the correct colleague how gravely her condition was deteriorating. By the time her consultant obstetrician diagnosed chorioamnionitis – a serious infection of the amniotic fluid and the membranes around the fetus – she had a temperature of 39 degrees, a pulse of 150bpm and blood pressure of 30/60. She was finally taken to theatre for an abortion – more than two days after she first asked for one – where she spontaneously delivered a girl, who died. Four days later, at 1.09am on Sunday 28th, her body having been engulfed by sepsis, she died, too.

Cases prompting new guidelines

Savita Halappanavar (2012)

- **3 inquiries**
 - **Inquest**, Galway, Dr Ciaran MacLoughlin, April 2013
 - **HSE investigation**, chaired by British obstetrician Sabaratnam Arulkumaran, report published June 2013
 - **Inquiry by HIQA**, published October 2013.
 - Investigation into the safety, quality and standards of services provided by the Health Service Executive to patients, including pregnant women, at risk of clinical deterioration and as reflected in the care and treatment provided to Savita Halappanavar

Report, HIQA: October, 2013

Cases prompting new guidelines

Savita Halappanavar (2012)

From: <http://www.irishhealth.com/article.html?id=22428>

MEOWS V I-MEWS

- A HSE report on practice guidelines for the new system - The **Irish Maternity Early Warning System (I-MEWS)** says there were issues with the old [MEOWS] system. [...]
- Operation of [MEOWS], was not standardised from unit to unit and differed from hospital to hospital
- The MEOWS' triggers to seek medical assistance may not have been sensitive enough
- The Arulkumaran report (2013) [Savita Halappanavar]
 - noted that the MEOWS system was to be replaced nationally by the new **I-MEWS** early warning score
 - suggested if the hospital's MEOWS guideline had been used in this case, it may have raised a 'red flag' about [Savita Halappanavar's] deteriorating condition at an earlier stage.

Cases prompting new guidelines

Savita Halappanavar (2012)

I-MEWS, introduced in 2013, is a nationally agreed system developed for early detection of life threatening illness in pregnancy and the postnatal period.

- Work on the Irish Maternal Early Warning System (I-MEWS)
 - Commenced in 2012
 - Was published as an obstetrics and gynaecology clinical programme guideline in June 2013
 - Was **updated** to include a customised Sepsis 6 Box and to align it with other national EWS guidelines, and this revised version was published in July 2014
 - The Guideline was further developed and launched as a National Clinical Guideline assured by the NCEC in November 2014 [HSE site]
- Research was then carried out to assess whether the introduction of the I-MEWS in 2013 had improved the recording of vital signs among women with proven maternal bacteremia. The clinical article, published in the International Journal of Gynaecology and Obstetrics (Jan 2015), concluded that “among pregnant women with proven bacteremia, introduction of IMEWS has been associated with an improvement in the recording of vital signs, particularly respiratory rate”.

Six of seven maternity units have “deficits” in tests rolled out after Savita death

The I-MEWS system was established in the wake of the death of Savita Halappanavar.

Jan 19th 2015, 5:26 PM



9,573 Views



5 Comments



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7



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16



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4

THE HEALTH SERVICE Executive (HSE) says it can give “reasonable assurances” that a patient safety system that monitors pregnant women and their vital signs is operational in six of the seven hospitals it audited last year.

The warning system, established in the wake of the death of Savita Halappanavar is not being operated properly in six of seven maternity wards audited, the



Image: Shutterstock/Monkey Business Images

Cases prompting new guidelines

Savita Halappanavar (2012)

In addition to the guidelines and training already mentioned

- A National Medication Programme for Obstetrics and Gynaecology is being developed and implemented . [Implementation of National Recommendations of HIQA Report into UHG (University Hospital Galway)]
- A clinical care pathway for the care of critically ill pregnant women has also been developed [HSE. Aug. 2014]
- National guidelines [Revised Apr 2015] have been developed on Preterm, Prelabour Rupture Of the Membranes (PPROM) by the Institute of Obstetricians and Gynaecologists, Royal College of Physicians of Ireland and the Directorate of Strategy and Clinical Care, Health Service Executive.
- Protection of Life During Pregnancy Act 2013
<http://www.irishstatutebook.ie/eli/2013/act/35/enacted/en/pdf>

Cases prompting new guidelines

Portiuncula Hospital (Jan 2015)

- Review triggered when a spike in the number of new-borns referred to Dublin for “head cooling” was detected.
 - “Head cooling” is an established intervention designed to reduce the extent of brain injury in a baby found to have suffered hypoxia (a lack of oxygen) during delivery. [Irish Times, Jan 2015].
- 9-member review group was appointed by Saolta Hospital Group, the body responsible for running Portiuncula.
 - Chair: Professor James Walker, Professor of Obstetrics and Gynaecology, University of Leeds

The Portiuncula is examining:

- How doctors and midwives interpreted CTG tests and whether timely action was taken in response to abnormal readings.
- Whether certain drugs, administered to the mother to speed up labour, induced hypoxia. (A known risk.)
- If forceps deliveries were carried out according to established guidelines.

<http://www.rte.ie/news/2015/1218/754992-portiuncula-review-delayed-until-2016/> - Review delayed until 2016


<http://www.saolta.ie/> - Saolta operates Portiuncula: No information on the site (8 Jan 2016)

Cases prompting new guidelines

Portiuncula Hospital (Jan 2015)

- [...] a review of the care of seven infants who were born between February and November last year (2014) found that two of them died and five had evidence of oxygen deprivation during delivery. Journal.ie 23 Jan 2015.
- “Apparent deficiencies in intra-partum care were identified which included interpretation and review of CTG tracings; administration of drugs to accelerate labour; and instrumental delivery,” the hospital said. [Ibid]
- **Response:**
 - Helpline set up
 - Independent team to carry out an investigation
 - Enhanced monitoring was put in place as a result of the review
 - Additional training for staff
 - Findings of the review have been delayed and are not yet with the Minister, January 2016

Use the Library's newspaper databases to find published reports of the cases, updates on the status of investigation and health authority report progress and statements, and the personal stories prompting moves towards better care.



Guide | FAQ | Title List | Usage Reports

Intro | **Search / Results** | Browse | Viewer | M

Refine Search

ALL of these words:

This EXACT word or phrase:

ANY of these words:

EXCLUDE these words:

Byline contains:

Filter by title:





All titles

☐ Search front pages only

Limit date range

From date:


NEAR



Found 1140 result(s) for 'savita'. Showing results 1-10

ShowArticlesPicturesAdsSort byRelevanceNewest FirstOldest First


[Show Search Results Analytics](#)




#1. Connacht Tribune 1909-current | Friday, 01 November, 2013 | Section: News | Page: 8

New book tells the real story of Savita – from childhood to tragic end

SEVENTEEN weeks pregnant and facing a miscarriage, **Savita** Halappanavar and her husband Praveen walked into an Irish maternity ward in October 2012. A week later, **Savita** was dead and reports of the refusal to allow **Savita** a termination of her pregnancy sent shockwaves across Ireland and around the world.

 [Add to my collection](#)



#2. Irish Independent 1905-current | Wednesday, 03 April, 2013 | Section: Foinse | Page: 72

Dréacht-tuarascáil Savita le plé

TÁ AN dlíodóir atá ag fear céile **Savita** Halappanavar le casadh le cathaoirleach an choiste imscrúdaithe a d'fhiosraigh bás **Savita**, an tseachtain seo, chun dréacht-tuarascáil Fheidhmeannacht na Seirbhíse Sláinte a phié.

Recent report:

Portlaoise Hospital –20 Jan 2016

Irish Times

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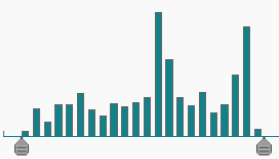
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Source type
☒ Newspapers (1,075)

Publication date
1995 - 2016 (years)


Select 1-20 0 Selected items Brief view Detailed view

1

Patient safety concerns central to allegations, inquiry told
Irish Times [Dublin] 19 Jan 2016: 8.
...Regional **Hospital Portlaoise**, Mayo General **Hospital** and University **Hospital**
[Abstract/Details](#) [Full text](#) Preview

2

Minister to push for law on medical negligence: Bereaved families say criminal sanctions should be available in worst cases
Cullen, Paul. **Irish Times** [Dublin] 18 Jan 2016: 7.
...or were injured at the maternity unit of **Portlaoise hospital**. The families,
[Abstract/Details](#) [Full text](#) Preview

3

Alleged elbow X-ray mistake 'unbelievable'
Farsaci, Liz. **Irish Times** [Dublin] 16 Jan 2016: 6.
...**Hospital Portlaoise** in 2012, Mayo General **Hospital** in 2013 and University
[Abstract/Details](#) [Full text](#) Preview

4

Doctor accused of causing distress
Farsaci, Liz. **Irish Times** [Dublin] 15 Jan 2016: 6.
Hassan's from the Midland Regional **Hospital Portlaoise** told the inquiry at the

Recent report:

Portlaoise Hospital –20 Jan 2016

- <http://www.hse.ie/eng/services/publications/hospitals/Portlaoisereviewcareshaunakeyes.pdf> released 20/1/2016 and reported in breakingnews.ie
- A report (dated 2 November 2015) into the death of a baby at the Midlands Regional Hospital in Portlaoise has found "significant failings" in the care provided to him and his mother.
- Baby Joshua Keyes died shortly after he was born at the hospital on October 28, 2009.
- The report by the HSE into the death of Baby Joshua has raised a number of concerns.
- They centre on the interpretation of the foetal heart rate monitor, the CTG, the absence of foetal blood sampling at the hospital, the delay in delivery, and the care and support provided to his parents Shauna Keyes and Joseph Cornally following his death.

Guidelines Reading List

1. Begley C, Devane D, Clarke M, McCann C, Hughes P, Reilly M et al. [Comparison of midwife-led and consultant-led care of healthy women at low risk of childbirth complications in the Republic of Ireland: a randomised trial](#). BMC Pregnancy and Childbirth 2011.
2. [Why we can't trust clinical guidelines](#) BMJ 2013; 346
3. Woolf, S. H., et al. (1999). "[Potential benefits, limitations, and harms of clinical guidelines](#)." BMJ **318**(7182): 527-530.
4. Shekelle, P. G., et al. (1999). "[Developing guidelines](#)." BMJ **318**(7183): 593-596.
5. Hurwitz, B. (1999). "[Legal and political considerations of clinical practice guidelines](#)." BMJ **318**(7184): 661-664.
6. Feder, G., et al. (1999). "[Using clinical guidelines](#)." BMJ **318**(7185): 728-730.
7. Jackson, R. and G. Feder (1998). ". [Guidelines for clinical guidelines](#)." BMJ **317**(7156): 427-428
8. Ransohoff DF, Pignone M, Sox HC. [How to decide whether a clinical practice guideline is trustworthy](#). JAMA. 2013 Jan 9;309(2):139-40.
9. Trudy van der Weijden, Antoine Boivin, Jako Burgers, Holger J. Schünemann, Glyn Elwyn (2012) [Clinical practice guidelines and patient decision aids. An inevitable relationship](#) Journal of Clinical Epidemiology, 65(6): 584–589
10. Lange, S, Mwisongo, A, & Mæstad, O 2014, 'Why don't clinicians adhere more consistently to guidelines for the Integrated Management of Childhood Illness (IMCI)?', *Social Science & Medicine*, 104, pp. 56-63, ScienceDirect, EBSCOhost, viewed 16 January 2016.

Alternative Resources:

The Strengthening Midwifery Toolkit

http://www.who.int/maternal_child_adolescent/documents/strengthening_midwifery_toolkit/en/index.html

National Institute for Health and Clinical Excellence (NICE). Guidelines for antenatal care: routine care for the healthy pregnant woman. Guideline 62. NICE London: 2008, updated 2010

What are statistics?

- A mathematical body of science that pertains to the collection, analysis, interpretation or explanation, and presentation of data.

Why do we use statistics in Midwifery & Nursing?

- Statistics, in a clinical setting, are normally used to help us provide context for why we perform certain actions or take certain decisions.
- In midwifery these could help inform decisions when looking at breastfeeding uptake, for example
 - bump2babe.ie provides statistics on initial breastfeeding numbers and exclusive breastfeeding on departure from hospital
 - ESRI and Healthcare Pricing Office – have additional breastfeeding statistics and longitudinal reports
 - You can look at the factors surrounding these statistics, such as demography, age, location, to see whether these additional factors had an impact on the uptake of breastfeeding
 - For example: [Maternal Country of Birth Differences in Breastfeeding at Hospital Discharge in Ireland](#) (Journal article, ESRI)

Where do you find statistics?

- **What are national health information sources?**
 - A considerable amount of information is collected on a daily basis about our health and social care services in Ireland. This information is used for many purposes such as, examining how frequently certain diseases occur, measuring performance of health organisations, looking at how resources are used in the health system, and developing healthcare policies.
- **Catalogue of National Health and Social Care Data Collections (HIQA)**
 - Date of publication: 2014
 - These collections gather large volumes of data to provide information on Irish health and social care services, and this catalogue combines information about them in a single location. The Catalogue of National Health and Social Care Data Collections was first published in 2010 and included 97 data collections. This updated version includes 108 collections, reflecting a number of new additions, while others that appeared previously are no longer in operation.
 - The catalogue can be downloaded from the site.

Where do you find statistics?

- [Health Information and Quality Authority \(HIQA\)](#)
- [Central Statistics Office](#) - [Births, Marriages, Deaths](#)
- Health Service Executive (HSE) e.g. [Live births registration](#)
- [Department of Health / An Roinn Sláinte](#)
- *[Healthcare Pricing Office](#) ([Perinatal Statistics Report, 2013](#) for HSE)
 - **National Perinatal Reporting System.** The National Perinatal Reporting System has as its principal aim the provision of national statistics on perinatal events. The NPRS collects information on approximately 70,000 birth records each year from 19 maternity units and all practicing self employed community midwives.
- [Nursing and Midwifery Board of Ireland](#) (NMBI) – links to statistical sources, some links are out of date
- [Eurostat](#) European statistics
- [Bump2babe](#) (from [Cuidiú](#). An independent guide to maternity services in Ireland. Sponsored by Citizens Information, HSE and Pampers)
- [Irish Social Science Data Archive](#). Contents: Datasets : [ISSDA \(UCD Library\)](#) A centre for quantitative data acquisition, preservation, and dissemination. Its mission is to ensure wide access to quantitative datasets in the social sciences, and to advance the promotion of international comparative studies of the Irish economy and Irish society.

*From 1st January 2014 the National Casemix Programme (HIQA) and the Health Research and Information Division at the ESRI became the Healthcare Pricing Office (HPO)

Central Statistics Office



An Phríomh-Oifig Staidrimh
Central Statistics Office

The CSO can provide general statistic on Births, Deaths and Marriages under the statistics tab

[Home](#)

[Statistics](#)

[Databases](#)

[Methods](#)

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4.61 million
POPULATION
April 2014



▲ 1.4%
QUARTERLY NATIONAL ACCOUNTS
Quarter 1 2015



9.7 %
MONTHLY UNEMPLOYMENT RATE
July 2015

Births, Deaths and Marriages

Releases and Publications

Current Releases

- > [Irish Life Tables No. 16 2010-2012](#)
- > [Irish Babies' Names 2014](#)
- > [Marriages and Civil Partnerships 2014](#)
- > [Mortality Differentials in Ireland \(PDF 892KB\)](#)
- > [Suicide Statistics 2011](#)

Current Publications

- > [Vital Statistics Yearly Summary 2014](#)
- > [Vital Statistics Fourth Quarter 2014](#)
- > [Vital Statistics Third Quarter 2014](#)
- > [Vital Statistics Second Quarter 2014](#)
- > [Vital Statistics First Quarter 2014](#)
- > [Report on Vital Statistics 2012 \(PDF 1,178KB\)](#)

HSE Statistics and Reports

Much of the reports and statistics produced by the HSE are buried within their website without meaningful headings so they can be hard to find. Here are two resources which can be helpful sources of Irish statistics. Birth numbers can be found at:

- [Nursing and Midwifery Services – Reports and Publications](#) *no longer working, 11/5/2016
 - Publications and Reports on Nursing and Midwifery Services are available to read or download on this page
- [Health Stat](#)
 - (2016) Semi-hidden and suspended on the HSE site – no access to data here anymore. HealthStat was a comprehensive databank of performance information from Irish public health services. It provided detailed monthly results from 33 teaching, regional and general hospitals and 32 Local Health Offices (LHOs) responsible for providing health and social care services in the community.
 - It was [under review](#), according to the Irish Medical Times, in 2012 by the SDU (Special Delivery Unit) and there is no easily-findable news on the site as to what happened to it.

Department of Health webpage



[HOME](#) [ABOUT US](#) [CONTACT US](#) [POLICY A-Z](#) [USEFUL LINKS](#) [AS GAEILGE](#)

GO

[Future Health](#) [Healthy Ireland](#) [Publications and Statistics](#) [News Centre](#) [Patient Safety and Quality](#)

- These pages contain data and statistics on the health service and the health of the population.

Statistics are divided up into topical areas.

- 1. Population and Life Expectancy**
- 2. Health of the Population**
- 3. Hospital Care**
- 4. Primary Care and Community Services**
- 5. Health Service Employment**
- 6. Health Service Expenditure**

Within these topics you will find lots of useful statistics which in most cases can be downloaded and shared. Links to external sources of data and other relevant information are also presented.

Healthcare Pricing Office

- National Perinatal Reporting System

- The National Perinatal Reporting System has as its principal aim the provision of national statistics on perinatal events. The NPRS collects data on approximately 72,000 birth records each year from 20 maternity units and all participating independent midwives.

- Type of data collected includes:

- Type and place of birth
- Date of birth
- Sex
- Birth weight
- Period of gestation
- County of residence of both mother and father
- Nationality of mother and father
- Occupation of both mother and father
- Date of Birth of both mother and father
- Number of previous live births, children still living, stillbirths and spontaneous abortions as well as date of last birth
- Type of antenatal care received by mother during this pregnancy including date of first visit to hospital and doctor

bump2babe
The Consumer Guide
to Maternity Services in Ireland



Welcome to bump2babe!



Welcome to bump2babe, the independent guide to maternity services in Ireland. The site is designed for you to find out as much information as possible about your local maternity services to help you make informed decisions.

We hope you enjoy your visit to bump2babe and return often. Happy Browsing!

Q. I would like to have a VBAC (Vaginal Birth After a Caesarean). What is my local unit's policy?

Q. I am a wheelchair user. How accessible is my maternity unit?

Q. How does my maternity unit support women who have had miscarriages?

Birth Statistics

Birth rates, vaginal birth, caesarean birth, breastfeeding, twin birth & more



Knowing You

For most women, pregnancy is a rollercoaster, with the high

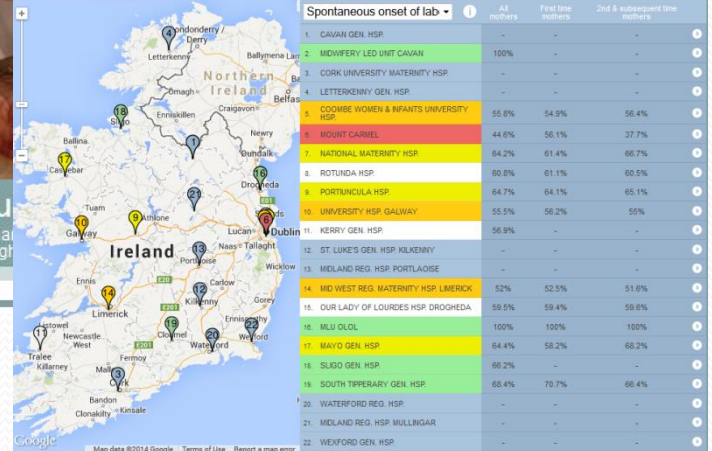


Home	Maternity Services	Birth Statistics	Topic of the Week
----------------------	------------------------------------	----------------------------------	-----------------------------------



Cuidiú
Caring Supportive Parenthood
Antenatal
Ireland

Like 409 About



Why use statistics from the UK?

- Reasons why we use the UK rather than another country include:
 - Ireland's population is too small for some studies to be meaningful
 - UK has a well established reporting system
 - Proximity
 - Similar practice

Where to find UK maternity statistics?

- Health & Social Care Information Centre
- ONS (Office for National Statistics)
- NHS England
- Which? Birth Choice, formerly UK BirthChoice

Health and Social Care Information Centre

This website provides annual breakdown of the NHS maternity Statistics



England 2013-14 (Updated, 2 Nov 2015)

England 2014-15 (Published 25 Nov 2015)

It provides a useful overview of key facts

Office for National Statistics (UK)

- This website provides statistical information on births and fertility. It also provides key information on births and stillbirths.

The screenshot shows the Office for National Statistics website. The header includes the ONS logo and navigation links: Home, Browse by theme, Publications, Data, Release calendar, Guidance and methodology, Media centre, and About ONS. Below the header, a breadcrumb trail reads: You are here: Home > Browse By Theme > Population > Births and Fertility > Live Births and Stillbirths. The main content area is titled 'Topic: Live Births and Stillbirths' and includes tabs for 'Summaries and Publications' and 'Data tables'. Under 'Latest Summaries', there are several links to recent reports, including 'Children's well-being 2015 main findings', 'Young people's well-being 2015 main findings', 'Stillbirth rates are falling in England and Wales', 'Childbearing across the EU28: 4 Facts', '6 facts about parental age differences', and 'International comparisons of teenage births'. A large blue arrow points from the 'Live Births and Stillbirths' link in the left-hand navigation menu to the right-hand navigation menu.

- Population
 - + Ageing
- Births and Fertility
 - + Conception and Fertility Rates
- Live Births and Stillbirths
 - + Live Births
 - Stillbirths
- + Maternities

NHS England

Have their own website with information broken down by quarter for a detailed overview:

Maternity Data

Number of women seen and assessed by a healthcare professional within 12 weeks and 6 days of their maternity.

[Return to the Integrated Performance Measures Monitoring page](#)

Data for Q1 2013/14 will not be published in August 2013. Instead, the intention is to publish both Q1 and Q2 data together following the end of Q2.

Data

2012-13

- [Download Access to Midwifery Q4 2012-13 \(XLS, 51K\)](#)
- [Download Access to Midwifery Q3 2012-13 \(revised 15.05.2013\) \(XLS, 58K\)](#)
- [Download Access to Midwifery Q2 2012-13 \(revised 15.05.2013\) \(XLS, 59K\)](#)
- [Download Access to Midwifery Q1 2012-13 \(revised 15.05.2013\) \(XLS, 59K\)](#)

2011-12

- [Download Access to Midwifery Q4 2011-12 \(revised 14.11.2012\) \(XLS, 60K\)](#)

<http://www.england.nhs.uk/statistics/statistical-work-areas/integrated-performance-measures-monitoring/maternity-data/>

UK BirthChoice **NEEDS Updating

- Which? Birth Choice, formerly UK BirthChoice
- UK BirthChoice provided a list of maternity statistics with an easy interface. These are broken down by England, Scotland, Wales and Northern Ireland.
- This has now changed



Other useful statistical data sources:

- [Office for National Statistics](#) - Filter by Health and Social Care
- [BirthChoiceUK](#)
- [Dr Foster Good Birth Guide](#) - Information on individual maternity units (2013)
- [NHS maternity statistics](#)
- [Department of Health, Social Services and Public Safety \(N.I. Statistics and Research Agency](#)
- [Welsh Government: Maternity: Method of Delivery, 2005-2015](#) (released 16/12/15)
- [HQIP \(Healthcare Quality Improvement Partnership\) CMACE and CEMACH reports-](#)
- [Centre for Maternal and Child Enquiries: Improving the health of mothers, babies and children](#)
- [Centre for Maternal and Child Enquiries: CMACE Ireland \(NAGP / HSE\)](#)
- [Maternal obesity in the UK: findings from a national project, 2010.](#)
- [The NHS Information Centre, IFF Research. Infant Feeding Survey 2010: Early Results.](#)
- [The NHS Information Centre, IFF Research. Infant Feeding Survey 2010: Early Results Tables.](#)
- [WHO - World health statistics](#)
- [Unicef - Maternal mortality](#)
- [United States. Trends and Characteristics of Home and Other Out-of-Hospital Births in the United States, 1990–2006](#)
- [Scotland - Births in Scottish Hospitals](#) Filter by Health topic: Maternity and Births

Statistics Reading List

- Chappell LC, Calderwood C, Kenyon S, Draper ES, Knight M. (2013), Understanding patterns in maternity care in the NHS and getting it right. BMJ.;346:f2812.
- H.L. McLachlan, D.A. Forster, M.A. Davey, T. Farrell, L. Gold, M.A. Biro et al. (2012), Effects of continuity of care by a primary midwife (caseload midwifery) on caesarean section rates in women of low obstetric risk: the COSMOS randomised controlled trial BJOG, 119(12):1483–1492
- A. Symon, C. Winter, M. Inkster, P.T. Donnanv (2009), Outcomes for births booked under an independent midwife and births in NHS maternity units: matched comparison study BMJ, 338: b2060
- C. Overgaard, A.M. Møller, M. Fenger-Grøn, L.B. Knudsen, J. Sandall. (2011), Freestanding midwifery unit versus obstetric unit: a matched cohort study of outcomes in low-risk women. BMJ Open, 1 (2): e000262
- A.P. Betrán, M. Merialdi, J.A. Lauer, W. Bing-Shun, J. Thomas, P. Van Look et al. (2007), Rates of caesarean section: analysis of global, regional and national estimates Paediatr Perinat Epidemiol, 21 (2): 98–113
- Hatem M, Sandall J, Devane D, Soltani H, Gates S. Midwife - led versus other models of care for childbearing women. Cochrane Database of Systematic Reviews 2008, Issue 4. Art. No.: D004667. DOI: <http://dx.doi.org/10.1002/14651858.CD004667.pub2>

- LAWTON, B. A., KOCH, A., STANLEY, J. & GELLER, S. E. (2013). The effect of midwifery care on rates of cesarean delivery. International Journal of Gynaecology & Obstetrics, 123: 213-216.
- de Jonge A, van der Goes BY, Ravelli A et al (2009) Perinatal mortality and morbidity in a nation-wide cohort of 529 688 low-risk planned home and hospital births. BJOG 116 (9): 1177–84
- Symon A, Winter C, Donnan P, Kirkham M (2010) Examining autonomy's boundaries: a follow-up review of perinatal mortality cases in UK independent midwifery. Birth 37 (4): 280–7
- Abortion Statistics, DH (2013). Abortion Statistics, England and Wales: 2012. Summary information from the abortion notification forms returned to the Chief Medical Officers of England and Wales. July.

Alternative Resources:

- Devane D, Brennan M, Begley C, Clarke M, Walsh D, Sandall J, Ryan P, Revill P, Normand C. (2010) A systematic review, meta-analysis, meta-synthesis and economic analysis of midwife-led models of care. Royal College of Midwives: London.
- Healy E (2010) Nurses and Midwives Bill 2010. Irish Medical Times. 12 May.
<http://tinyurl.com/4nv8vda>
- Begley CM, Devane D, Clarke M. (2009) An evaluation of midwifery-led care in the Health Service Executive North Eastern Area - The MidU Study. Available from:
<http://www.hse.ie/eng/services/Publications/services/Hospitals/midwifery%20north%20east.pdf>
- Nurses and Midwives Act 2011 (Ireland):
<http://www.irishstatutebook.ie/eli/2011/act/41/enacted/en/print>
- The Irish Nurses and Midwives Bill: Legal changes and challenges (March 2011)
<http://www.nurse2nurse.ie/Upload/NA6912nurses%20and%20midwives%20bills.pdf>
- AIMS Ireland Admin (2011) Factfile: Why Sections 24 and 40 need to be amended.
<http://aimsire-land.com/phpbb/viewtopic.php?t=1291>
- Surveys relating to midwifery on a number of topics:
<http://www.rcm.org.uk/college/your-career/information-services/resources/>