

# One baby in every 46 born with a congenital anomaly says new report

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One baby in every 46 was born with a congenital anomaly in 2011 according to the third annual report by the British Isles Network of Congenital Anomaly Registers, released today.

The report by researchers at Queen Mary University of London collates data from six regional registers, a national coverage of 36 per cent of the births in England and Wales. Examples of congenital anomalies include heart and lung defects, Down syndrome, [neural tube defects](#) such as spina bifida, and limb malformations such as club foot.

Funded by Public Health England (PHE), the study is the most up-to-date and comprehensive of its kind, bringing together existing data in England and Wales from 2007 to 2011. However, the editor of the report, Professor Joan Morris, from the Wolfson Institute of Preventive Medicine, part of Queen Mary said: "We remain concerned that data for substantial parts of the country, including London, are not currently monitored, meaning large regional increases in congenital anomalies could go unnoticed and their causes not investigated. Currently there are no registers in London, the South East, the North West and East Anglia."

With formal responsibility for surveillance of congenital anomalies in England being met by PHE, there is an opportunity to expand the current system to the whole of England. Professor Elizabeth Draper from the University of Leicester, who is Chair of BINOCAR, commented: "This important report again highlights the value of the existing regional registers. We are working closely with PHE to establish regional

registers in those areas not currently covered by a congenital anomaly register."

The number and types of congenital anomalies have been monitored since the [thalidomide](#) epidemic in the 1960s. Since the 1980s, regional registers have been established in some parts of the country to actively collect data from hospital, laboratories and [health records](#). In the intervening years, lack of strategic funding coupled with a lack of support at national level has led to the closure of some of the regional registers. The creation of a stable system of funding for an entire surveillance network would make it possible to fulfil the potential that the existing registers offer for public health, service planning, clinical audit, outcomes monitoring, research and other purposes.

The main findings from today's report are:

- 2.2% of babies had a [congenital anomaly](#) in England and Wales in 2011.
- The prevalence of major congenital anomalies in England and Wales was higher than those in other European registers.
- The researchers estimate that there were at least 16,000 babies born with congenital anomalies in England and Wales in 2011.
- The most common anomalies were congenital heart defects, which affected at least six in 1,000 births. Some cases required major operations and around six per cent of babies born with a heart anomaly died before the age of one.
- Neural tube defects, such as spina bifida, affected one in 1,000 babies; the use of folic acid supplements before becoming pregnant as well as in early pregnancy is known to reduce the risk of this defect.
- Gastroschisis – an anomaly where the intestines develop outside the abdomen – affected one in 1,000 babies. Regional monitoring has shown that this condition has become more

common in some areas including Wales and that babies born to younger mothers were at greater risk. Gastroschisis was more likely in England and Wales than in other European registers.

- Over half of all major congenital anomalies were detected during pregnancy.
- Mothers who were between 25 and 29 years of age had the lowest prevalence for all anomalies. The prevalence was higher in the under-20 age group and considerably higher in the 40 and over age group.
- The target detection rates were achieved or exceeded for four out of the 11 Fetal Anomaly Screening Program (FASP) anomalies.

**More information:** "Congenital Anomaly Statistics 2011, England and Wales". British Isles Network of Congenital Anomaly Registers (BINOCAR). Published online at:

[www.binocar.org/Publications/Reports](http://www.binocar.org/Publications/Reports)

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