

About 1 out of every 33 babies is born with a major birth defect.

Birth defects cause one in five deaths among infants less than a year old.

Birth defects lead to \$2.5 billion per year in hospital costs alone in the U.S.

**Selected birth defects counts and birth prevalence, Wisconsin and US**

Defects	Wisconsin <sup>†</sup>		US <sup>‡</sup>	
	Annual no. of cases	Birth prevalence*	Annual no. of cases	Birth prevalence*
<b>Central nervous system</b>				
Anencephalus	10	1.53	1,009	2.51
Spina bifida without anencephalus	17	2.60	1,477	3.68
<b>Cardiovascular</b>				
Transposition of great arteries	11	1.74	1,901	4.73
Tetralogy of Fallot	12	1.89	1,574	3.92
Atrioventricular septal defect (also known as endocardial cushion defect)	9	1.40	1,748	4.36
Hypoplastic left heart syndrome	10	1.50	975	2.43
<b>Orofacial</b>				
Cleft lip with and without cleft palate	60	9.13	4,209	10.47
Cleft palate without cleft lip	41	6.29	2,567	6.39
<b>Musculoskeletal</b>				
Upper limb defect	19	2.93	1,521	3.79
Lower limb defect	8	1.28	763	1.90
Gastroschisis	39	5.99	1,497	3.73
<b>Chromosomal</b>				
Down syndrome	70	10.69	5,132	12.78

\* per 10,000 live births

† estimates based on pooled data from birth years 2001-2005

‡ estimates based on pooled data from birth years 1999-2001

Note: Due to variability in the methods used by state birth defects surveillance systems and differences in populations and risk factors, state prevalence estimates may not be directly comparable with national estimates or those of other states.

**Preventing birth defects**

- The causes of about 70% of birth defects are unknown.
- Many birth defects happen during early pregnancy, often before a woman knows she is pregnant.
- Addressing health risks and behaviors before pregnancy can reduce the risk of poor birth outcomes, including some birth defects.
- All women who could become pregnant should take 400 micrograms of folic acid every day to help prevent serious defects of the baby's brain and spinal cord.

**Wisconsin's Birth Defect Surveillance System**

Wisconsin has operated a passive registry, the Wisconsin Birth Defects Registry (WBDR), housed in the Maternal and Child Health section in the Division of Public Health, since 2003 following passage of legislation and administrative rules requiring the establishment of a registry and an advisory council. The WBDR is a secure web-based system that allows for both entry of an individual report and uploading of multiple reports from an electronic patient records system. The WBDR also accepts paper reports. Wisconsin leads one or more prevention projects each year and partially funds a stillbirth project that reports identified birth defects to the WBDR.

**How birth defects data are used in Wisconsin**

Wisconsin has about 72,000 births a year. Birth certificate data is used for comparison purposes and for outreach to underreporting areas. Researchers also request and receive WBDR data for research purposes most recently on cleft lip/palate. Five Regional Centers for CYSHCN use birth defects data for outreach to families and referral and follow-up activities.

**Program information:**

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