

Neural Tube Defect Ascertainment Project



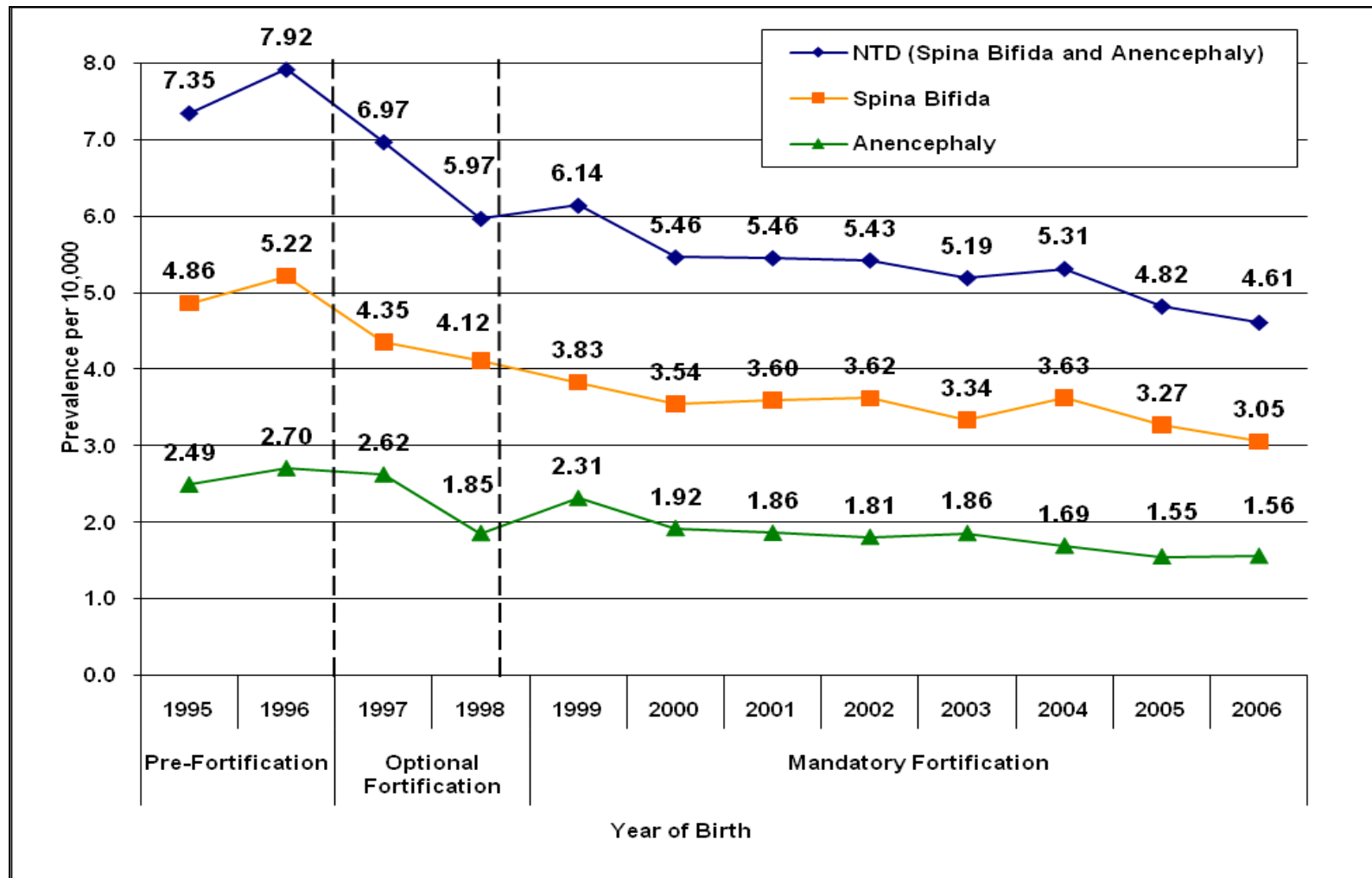
- 23 of the 27 participating birth defects surveillance systems provided data in January 2010
- Covered approximately 2,000,000 births annually (approximately half of all U.S. births)
- Programs adjusted fetal deaths and elective pregnancy terminations to expected date of delivery, when possible

	Pre-fortification (1 st qtr 1995-4 th qtr 1996) Prevalence/10,000 (N)	Optional fortification (1 st qtr 1997-3 rd qtr 1998) Prevalence/10,000 (N)	Post-fortification (4 th qtr 1998-4 th qtr 2006) Prevalence/10,000 (N)	PR†	95% CI†	% reduction
SPINA BIFIDA						
All programs	5.04 (1,555)	4.28 (1,345)	3.49 (6,171)	0.69	0.66-0.73	31%
Programs with prenatal ascertainment*	6.64 (482)	5.46 (361)	3.95 (1,301)	0.59	0.54-0.66	41%
Programs without prenatal ascertainment*	4.55 (1,073)	3.97 (984)	3.39 (4,870)	0.75	0.70-0.80	25%
ANENCEPHALY						
All programs	2.60 (801)	2.26 (711)	1.82 (3,207)	0.70	0.65-0.76	30%
Programs with prenatal ascertainment*	4.14 (301)	3.36 (222)	2.98 (982)	0.72	0.63-0.82	28%
Programs without prenatal ascertainment*	2.12 (500)	1.97 (489)	1.55 (2,225)	0.73	0.66-0.80	27%

* Programs with prenatal ascertainment use specific case finding procedures to identify prenatally diagnosed and electively terminated cases

† PR = prevalence ratio; CI = confidence interval

Prevalence of spina bifida and anencephaly among all participating surveillance systems



Study methods are described in detail in *Teratology* 2002; 66:33-39.

For more information, please contact Cara Mai at cwm7@cdc.gov.

Data updated January 2010

Participating programs: AL, AR, AZ, CA, CO, DE, FL, GA, HI, IA, IL, KY, MA, MD, MI, MO, NC, NJ, NY, OK, PR, SC, TX, UT, WA, WI, WV