

Neural Tube Defect Ascertainment Project



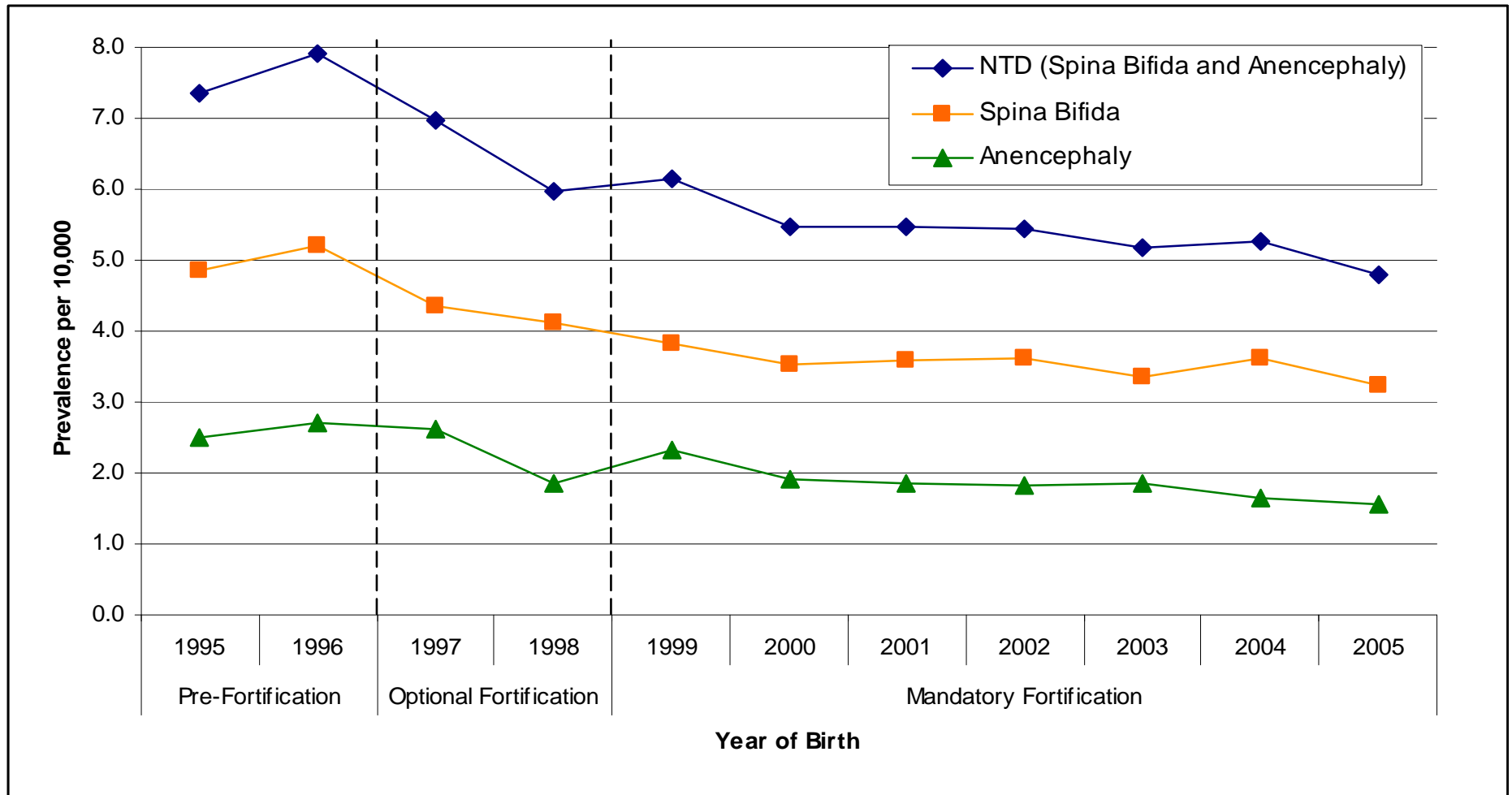
- 21 of the 27 participating birth defects surveillance systems provided data in July 2009
- Covered approximately 2,000,000 births annually (approximately half of all U.S. births)
- Programs adjusted fetal deaths and elective pregnancy terminations to expected date of delivery, when possible

	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 2005) Prevalence/10,000 (N)	PR†	95% CI†	% reduction
SPINA BIFIDA						
All programs	5.04 (1,555)	4.28 (1,345)	3.55 (5,490)	0.70	0.67-0.75	30%
Programs with prenatal ascertainment*	6.65 (482)	5.46 (361)	3.96 (1,145)	0.60	0.54-0.66	40%
Programs without prenatal ascertainment*	4.55 (1,073)	3.97 (984)	3.39 (4,345)	0.76	0.71-0.81	24%
ANENCEPHALY						
All programs	2.59 (800)	2.26 (711)	1.85 (2,856)	0.71	0.66-0.77	29%
Programs with prenatal ascertainment*	4.14 (301)	3.36 (222)	2.97 (858)	0.72	0.63-0.82	28%
Programs without prenatal ascertainment*	2.12 (499)	1.97 (489)	1.59 (1,998)	0.75	0.68-0.83	25%

* 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 July 2009

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