

Neural Tube Defect Ascertainment Project



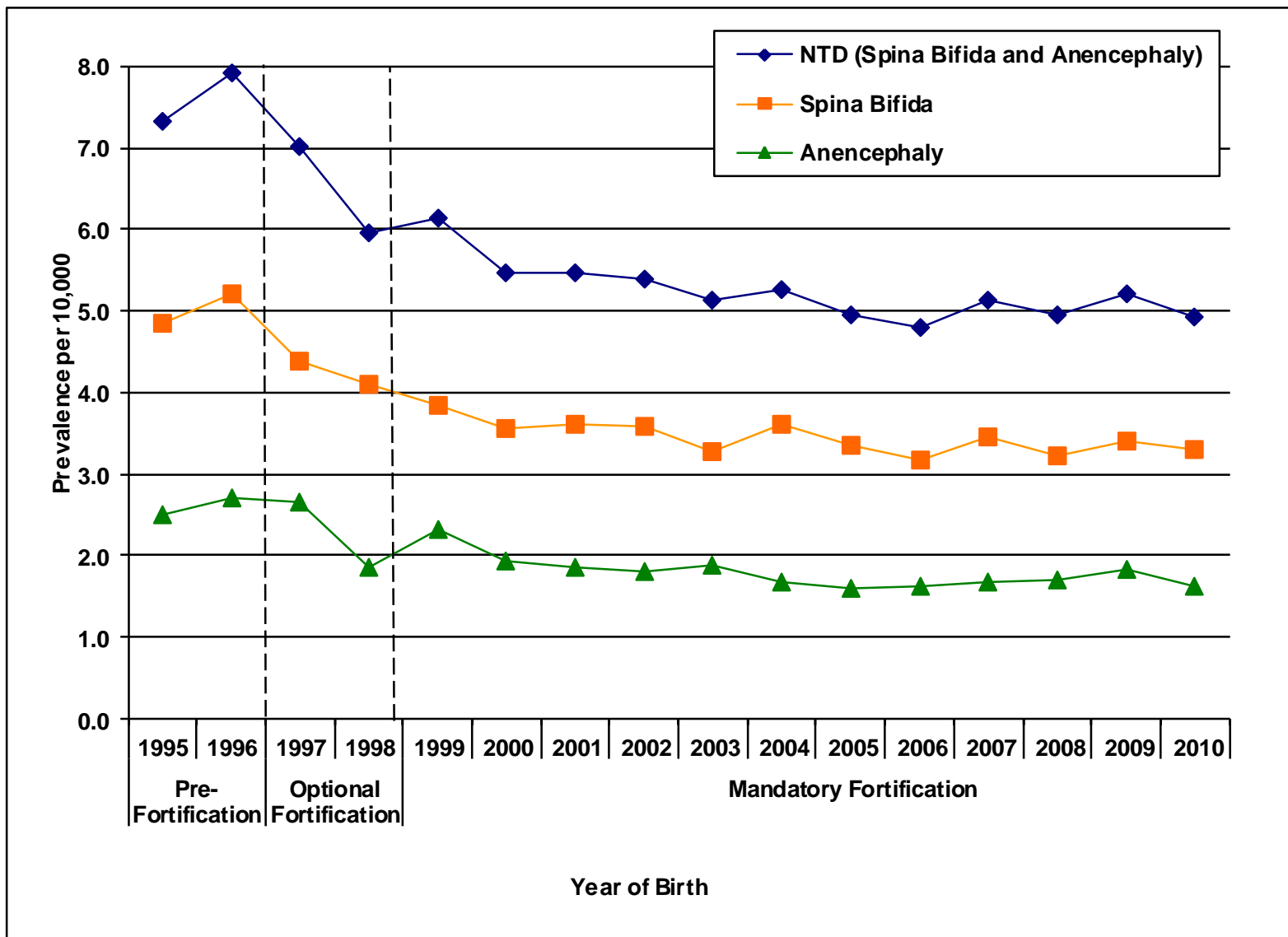
- 20 of the 27 participating birth defects surveillance systems provided data in September 2013
- Covered approximately 2,000,000 births annually (approximately half of all U.S. births)
- Programs adjusted fetal deaths and elective pregnancy terminations to expected date of delivery, when possible

	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 2010) Prevalence/10,000 (N)	PR†	95% CI†	% reduction
SPINA BIFIDA						
All programs	5.02 (1,549)	4.29 (1,348)	3.45 (9,077)	0.69	0.65-0.73	31%
Programs with prenatal ascertainment*	6.55 (476)	5.50 (364)	3.98 (1,920)	0.61	0.55-0.67	39%
Programs without prenatal ascertainment*	5.04 (1,073)	4.31 (984)	3.56 (7,157)	0.71	0.66-0.75	29%
ANENCEPHALY						
All programs	2.60 (803)	2.27 (714)	1.79 (4,703)	0.69	0.64-0.74	31%
Programs with prenatal ascertainment*	4.19 (304)	3.40 (225)	2.93 (1,410)	0.70	0.62-0.79	30%
Programs without prenatal ascertainment*	2.31 (491)	2.12 (483)	1.62 (3,252)	0.70	0.64-0.77	30%

* 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 November 2013

Participating programs: AR, AZ, CA, CO, FL, GA, HI, IA, IL, KY, MA, MD, MI, NC, NY, OK, SC, UT, WI, WV