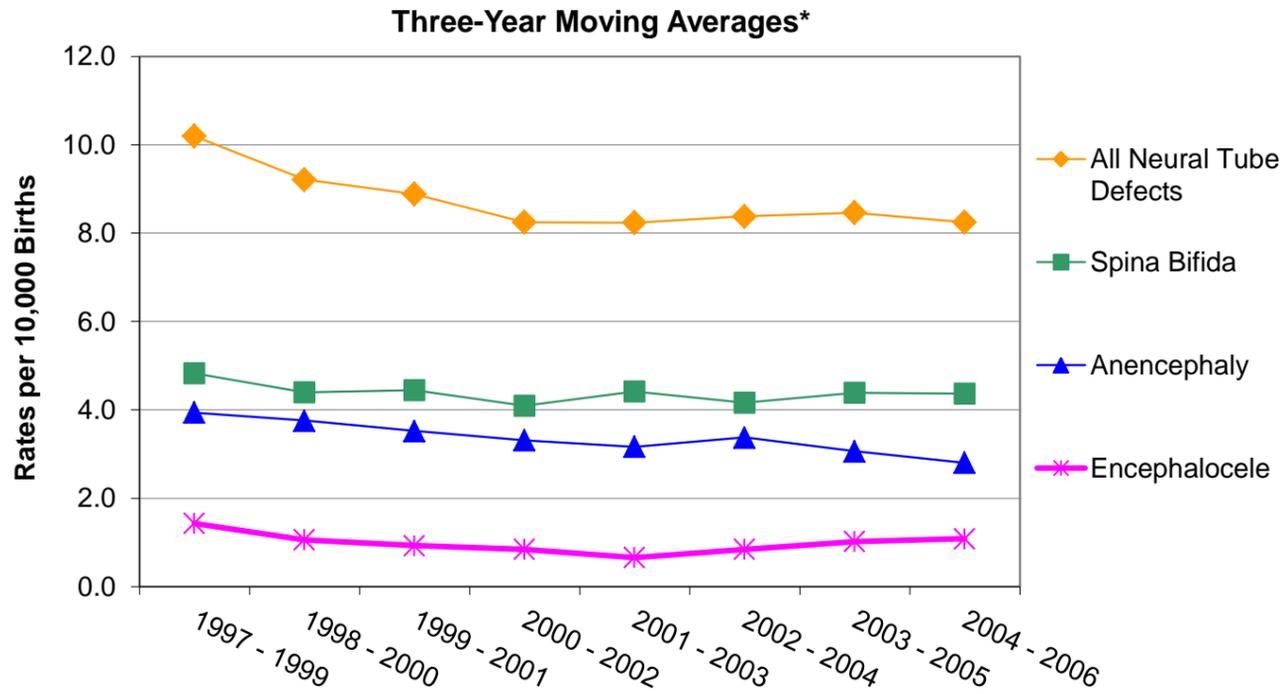


California Birth Defects Monitoring Program Data (1997-2006)

### Rates of Neural Tube Defects

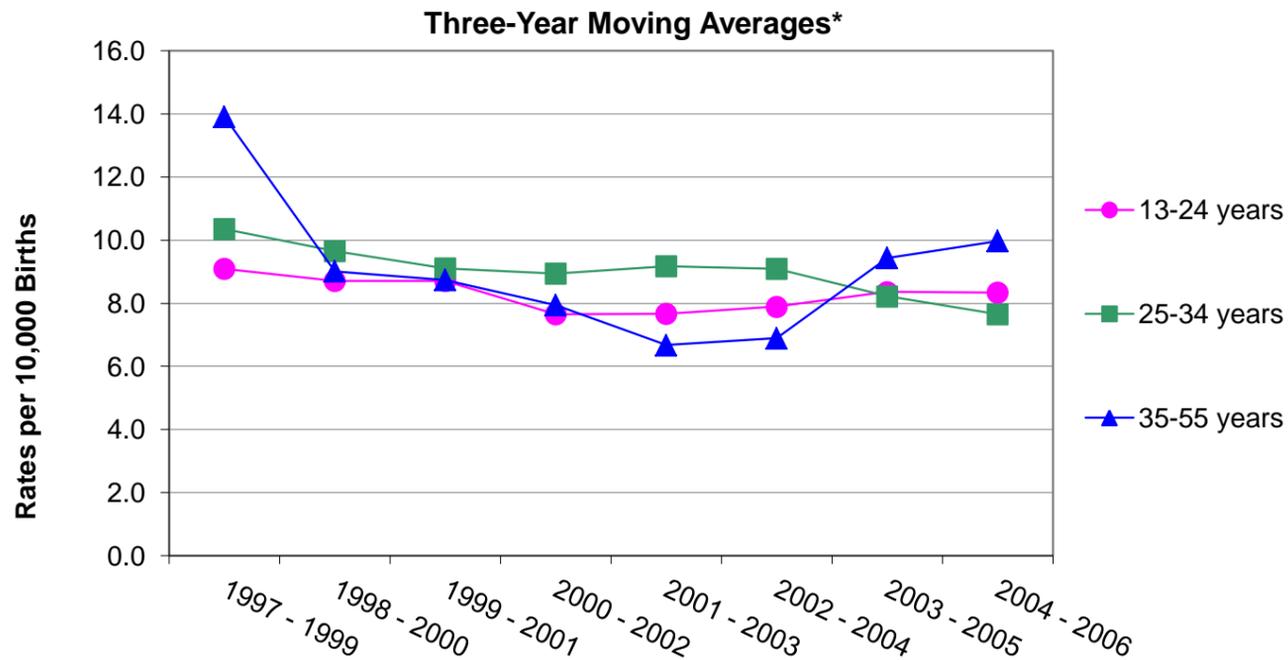
#### Central Valley Counties (Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, and Tulare)



Annual and 10-Year Rates per 10,000 Live Births & Fetal Deaths of Neural Tube Defects for Central Valley Counties

Category	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	1997 - 2006 (95% CI)
All Neural Tube Defects	12.1	7.5	11.1	9.1	6.6	9.0	9.0	7.2	9.2	8.3	8.9 ( 8.1 - 9.6 )
Spina Bifida	5.0	4.1	5.4	3.8	4.2	4.3	4.7	3.5	4.9	4.7	4.5 ( 3.9 - 5.0 )
Anencephaly	4.9	2.5	4.5	4.3	1.9	3.8	3.8	2.6	2.8	3.0	3.4 ( 2.9 - 3.9 )
Encephalocele	2.2	0.9	1.2	1.0	0.5	1.0	0.5	1.1	1.5	0.7	1.0 ( 0.8 - 1.3 )

### Rates of Neural Tube Defects by Mother's Age



Annual and 10-Year Rates per 10,000 Live Births & Fetal Deaths of Neural Tube Defects for Central Valley Counties by Mother's Age

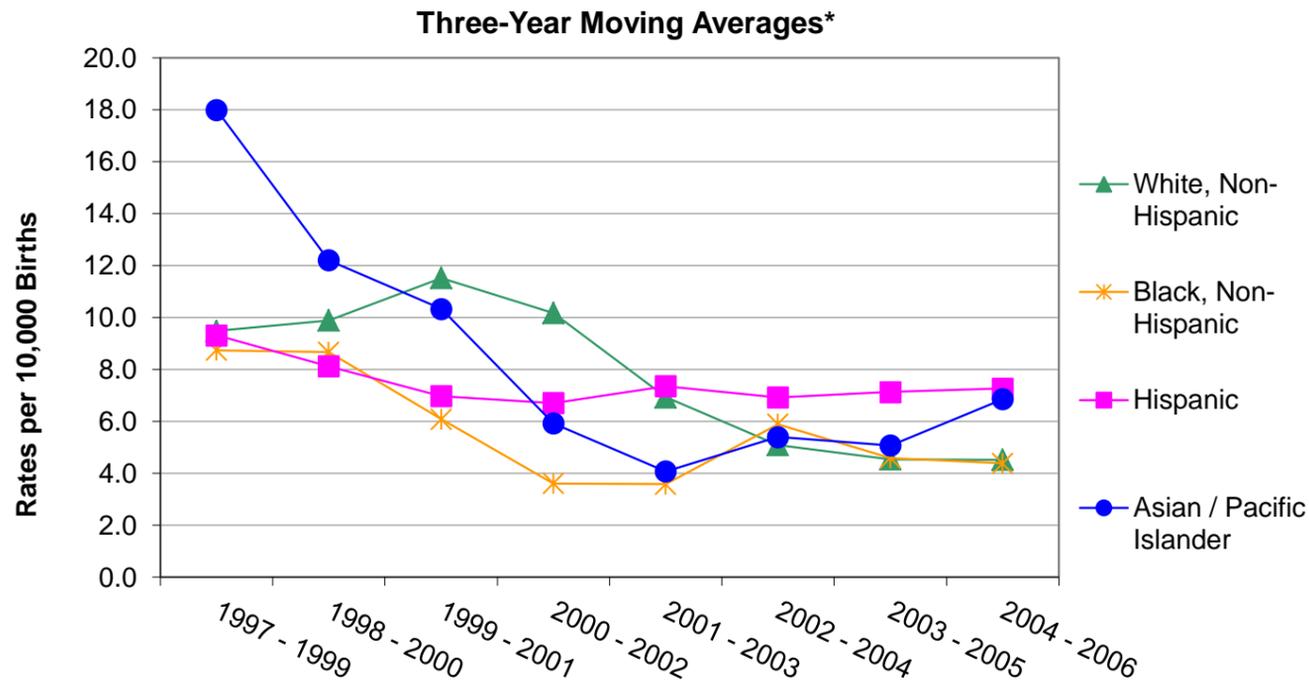
Category	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	1997 - 2006 (95% CI)
13-24 Years	9.4	5.8	12.0	8.2	6.0	8.7	8.3	6.7	10.0	8.2	8.3 ( 7.3 - 9.5 )
25-34 Years	11.6	8.9	10.6	9.5	7.3	10.0	10.1	7.3	7.4	8.2	9.0 ( 7.9 - 10.2 )
35-55 Years	26.4	6.9	8.6	11.3	6.3	6.3	7.4	7.0	13.8	9.2	10.2 ( 7.9 - 12.9 )
Unknown/Missing †	0.0	833.3	0.0	0.0	0.0	0.0	0.0	1000.0	0.0	0.0	163.9 ( 19.9 - 592.2 )

\* Rates displayed in graph are based on average of cases over three years

† Not represented on graph due to variability, secondary to small numbers

California Birth Defects Monitoring Program Data (1997-2006)

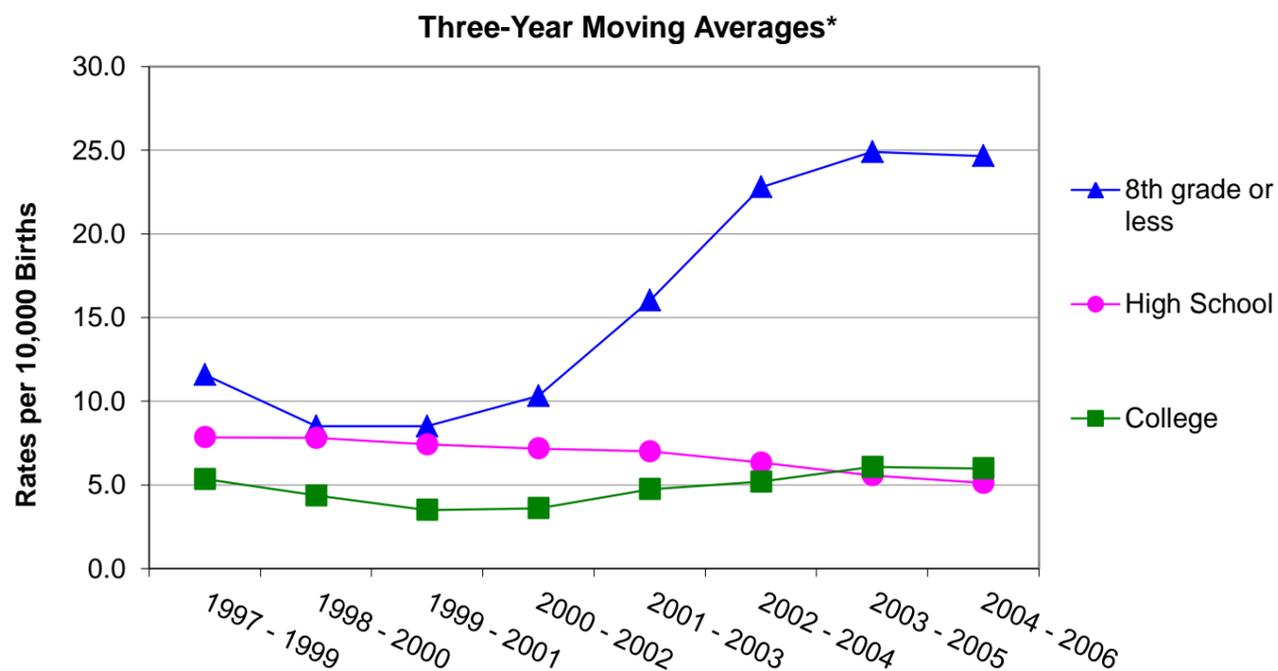
Rates of Neural Tube Defects by Mother's Race/Ethnicity



Annual and 10-Year Rates per 10,000 Live Births & Fetal Deaths of Neural Tube Defects for Central Valley Counties by Mother's Race/Ethnicity

Category	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	1997 - 2006 (95% CI)
White, Non-Hispanic	14.2	5.2	9.1	15.6	9.9	4.9	6.0	4.4	3.3	5.9	7.9 ( 6.6 - 9.2 )
Black, Non-Hispanic	3.7	7.6	14.9	3.6	0.0	7.2	3.6	6.9	3.3	3.1	5.3 ( 3.0 - 8.8 )
Hispanic	8.9	9.1	10.0	5.6	5.7	8.8	7.6	4.6	9.1	7.9	7.7 ( 6.8 - 8.6 )
Asian / Pacific Islander	24.6	7.8	21.2	7.8	2.5	7.5	2.3	6.4	6.2	7.8	9.2 ( 6.5 - 12.6 )
American Indian †	0.0	0.0	0.0	26.8	0.0	0.0	26.7	0.0	0.0	0.0	5.2 ( 0.6 - 18.8 )
Other Race/Unknown †	198.7	0.0	91.2	48.1	54.3	361.0	388.6	394.1	592.9	290.3	271.4 ( 212.7 - 341.2 )

Rates of Neural Tube Defects by Mother's Education



Annual and 10-Year Rates per 10,000 Live Births & Fetal Deaths of Neural Tube Defects for Central Valley Counties by Mother's Education

Category	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	1997 - 2006 (95% CI)
8th Grade or less	15.6	8.0	10.7	6.8	8.0	16.0	23.9	28.4	22.5	23.3	16.5 ( 13.9 - 19.3 )
High School	7.5	6.4	9.7	7.4	5.3	8.8	6.9	3.5	6.4	5.4	6.7 ( 5.8 - 7.6 )
College	6.4	4.9	4.8	3.5	2.3	5.0	6.7	3.9	7.5	6.3	5.2 ( 4.2 - 6.4 )
Unknown/Missing †	221.5	66.9	168.1	201.6	111.2	25.3	0.0	12.5	24.3	20.9	73.5 ( 58.4 - 91.2 )

\* Rates displayed in graph are based on the average of cases over three years

† Not represented on graph due to variability, secondary to small numbers