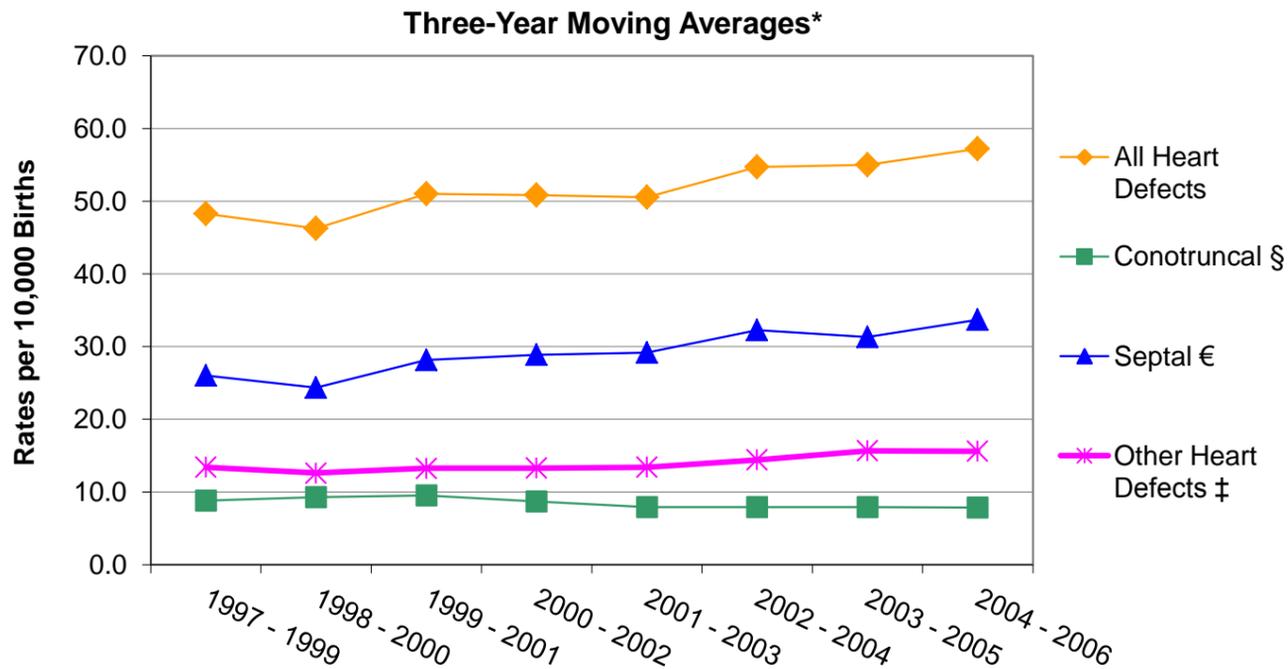


California Birth Defects Monitoring Program Data (1997-2006)

Rates of Heart Defects

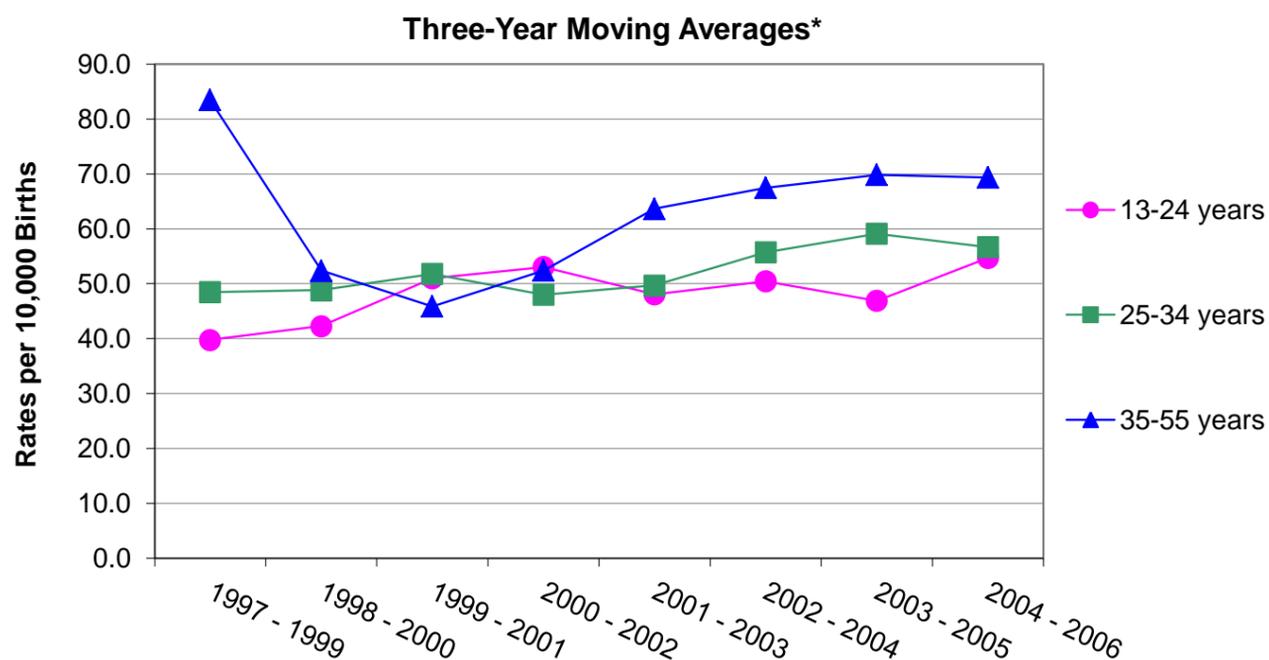
Central Valley Counties (Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, and Tulare)



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

Category	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	1997 – 2006 (95% CI)
All Heart Defects	58.6	37.5	48.9	52.2	51.8	48.7	51.2	63.7	50.2	58.0	52.3 (50.5 - 54.2)
Conotruncal §	8.1	7.8	10.5	9.6	8.6	7.9	7.4	8.6	7.9	7.3	8.3 (7.6 - 9.1)
Septal €	35.3	17.8	25.2	29.9	29.3	27.6	30.6	38.3	25.2	37.5	29.9 (28.6 - 31.3)
Other Heart Defects ‡	15.1	11.9	13.2	12.7	13.9	13.3	13.1	16.8	17.1	13.1	14.1 (13.2 - 15.1)

Rates of Heart Defects by Mother's Age



Annual and 10-Year Rates per 10,000 Live Births & Fetal Deaths of Heart 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	42.6	27.3	49.3	49.9	53.7	55.5	35.3	60.5	44.7	58.9	48.0 (45.5 - 50.7)
25-34 Years	55.8	42.0	47.8	56.4	50.9	37.4	60.2	68.0	49.6	53.1	52.4 (49.7 - 55.2)
35-55 Years	139.1	64.0	48.4	45.2	44.1	67.5	78.3	57.1	74.5	76.0	69.1 (62.9 - 75.8)
Unknown/Missing †	1428.6	0.0	2222.2	0.0	1666.7	0.0	0.0	1000.0	0.0	0.0	573.8 (230.7 - 1182.2)

* 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

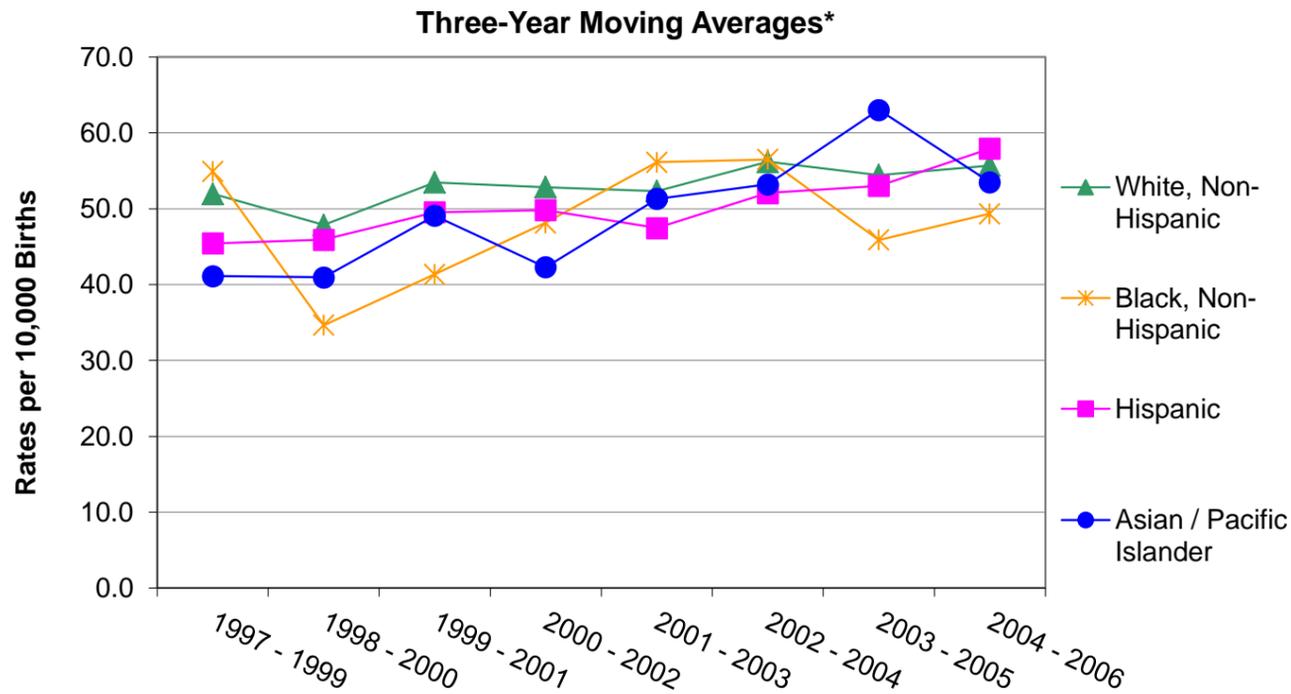
§ Includes: 1) Common Truncas, 2) Transposition of the Great Arteries (includes only cases with complete transposition or double outlet right ventricle), and 3) Tetralogy of Fallot (includes cases with pulmonary atresia with VSD)

€ Includes: 1) Endocardial Cushion Defect, 2) Ventricular Septal Defect (If the VSD is a component of another major heart malformation, it is not counted as a separate defect. Muscular VSDs are excluded. VSD is excluded if double outlet right ventricle (DORV) or single ventricle or common truncus is present), and 3) Atrial Septal Defect (If the ASD is a component of another major heart malformation, it is not counted as a separate defect.)

‡ Includes: 1) Single Ventricle, 2) Aortic Valve Stenosis, 3) Atrial Isomerism, 4) Coarctation of the Aorta, 5) Tricuspid Valve Atresia, 6) Ebstein anomaly, 7) Hypoplastic Left Heart, 8) Interrupted Aortic Arch, 9) Anomalies of the Great Veins, 10) Pulmonary Valve Atresia

California Birth Defects Monitoring Program Data (1997-2006)

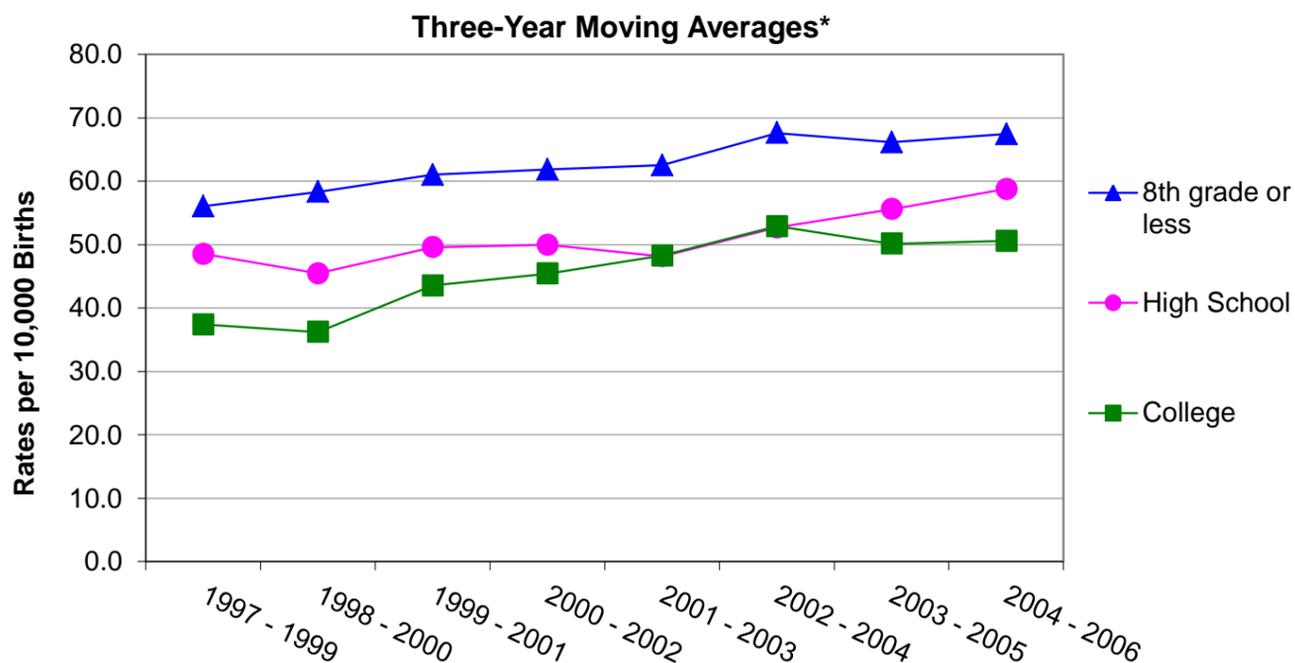
Rates of Heart Defects by Mother's Race/Ethnicity



Annual and 10-Year Rates per 10,000 Live Births & Fetal Deaths of Heart 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	67.0	37.8	51.3	54.8	54.4	49.3	53.3	65.9	44.1	57.1	53.5 (50.2 - 56.9)
Black, Non-Hispanic	85.7	26.5	52.2	25.4	46.7	72.1	49.8	48.2	40.0	59.0	50.6 (42.7 - 59.6)
Hispanic	51.7	39.2	45.5	52.5	50.3	47.0	45.4	63.1	50.3	60.4	51.1 (48.7 - 53.5)
Asian / Pacific Islander	39.3	33.9	50.4	38.8	57.9	30.2	64.7	62.3	62.3	37.2	48.1 (41.7 - 55.2)
American Indian †	73.2	23.4	122.9	26.8	62.5	85.2	133.3	112.7	128.5	90.9	85.8 (59.0 - 120.4)
Other Race/Unknown †	331.1	0.0	91.2	432.7	0.0	216.6	285.0	98.5	237.2	64.5	171.0 (125.2 - 228.1)

Rates of Heart Defects by Mother's Education



Annual and 10-Year Rates per 10,000 Live Births & Fetal Deaths of Heart 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	63.3	44.8	59.4	70.7	52.8	61.9	72.8	68.2	58.0	76.1	62.9 (57.8 - 68.3)
High School	59.5	42.1	44.1	50.0	54.3	45.8	44.6	67.0	54.8	55.0	51.9 (49.5 - 54.5)
College	50.2	22.0	40.7	45.5	44.4	46.4	53.5	58.1	39.5	54.1	46.0 (43.0 - 49.2)
Unknown/Missing †	121.8	83.6	252.1	78.4	91.0	67.5	42.2	37.4	36.5	93.8	84.2 (68.0 - 103.0)

* 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