## San Diego County, California

### **INTRODUCTION**

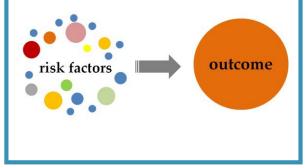
Much of what we know-or think we knowabout risk factors for child abuse and neglect is based on cross-sectional and retrospective studies of children reported for maltreatment. Although these studies are useful for identifying and describing children reported for maltreatment, substantiated as victims, or placed in foster care, they do not offer information needed to understand how these children may (or may not) differ from other children in our communities. Without data concerning this broader population of children, we are unable to determine whether children with a particular combination of risk factors might have been identified or prioritized for early intervention services prevent the to conditions that led to involvement with child protective services.

Fortunately, the linkage and thoughtful configuration of administrative records can provide the necessary data for prevention focused studies. By linking CPS records to birth records from California, it is possible to answer prospective, population-based questions and generate information concerning the likelihood that children will be reported, substantiated, or placed in foster care because of maltreatment. In addition to providing information about the full population of children born in a given county and at risk of CPS involvement, birth records also include information not typically captured in administrative child protection systems, including infant weight at birth, maternal education, and whether paternity was established. Combining birth and CPS records allows us to better understand children involved with our local child protection systems and highlights opportunities

for being more strategic in our allocation and delivery of early intervention services.

#### Retrospective vs. Prospective Designs

The difference between a retrospective and prospective study design is a critical yet often misunderstood distinction. In a study with a retrospective design, individuals are sampled or studied because the outcome of interest has already occurred (e.g., a child has already been maltreated). They are selected based on the dependent variable. In contrast, a prospective study design identifies individuals who are at risk of the outcome and then follows them over time to see who does (and does not) experience the outcome. Prospective study designs can be employed using already collected, longitudinal administrative data.

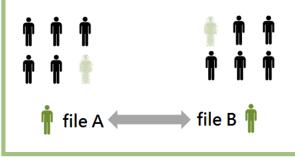


#### METHODOLOGY

This report series details findings from a project in which the birth records of all children born in California in 2006 and 2007 were matched to statewide child protection records through each child's fifth birthday. These linked records were then analyzed by county, allowing us to describe the characteristics of children at birth and generate longitudinal, cumulative estimates of how many children were involved with CPS during the first 5 years of life. Additionally, these data provide an opportunity to examine child- and family-level characteristics at a population level, helping us to identify attributes that are most strongly correlated with later CPS-involvement. In this report, we document findings for San Diego County, California.

#### Record Linkages 101

Quite simply, record linkage involves matching and integrating information about individuals (or other entities) from different data systems. An inherent limitation of administrative data is the scope of information contained in any one system. By linking records, it is possible to better understand the characteristics and trajectories of children over time and across service systems.



#### FINDINGS

#### **Characteristics of Children Born (Table 1)**

Table 1 presents descriptive information collected at birth for infants born during calendar years 2006 and 2007 in San Diego County. The total number (N) of births and the percentage (%) of the county's full birth cohort are reported for different characteristics at birth. Given the strong relationship between socioeconomic status and CPS involvement, we also present this same descriptive information based on whether the cost of birth was covered by private or public health insurance.

- Between 2006 and 2007, 85,349 children were born.
- Although prenatal care began during the first trimester for a majority of children, 13,108 children (15.4%) were born to mothers who received prenatal care that started late or not at all.
- A plurality of children (47.5%) were born to mothers of Latina race/ethnicity (18.7% - US born / 28.8% – foreign born).
- A total of 7.7% of children were born to teen mothers.

- 34,399 births were paid for by public health insurance, 40.3% of all children born.
- Paternity was missing for 8.5% of children overall, but 13.2% among births covered by public health insurance compared with 5.2% of births covered by nonpublic insurance.

#### Selected Variables

#### ✓ Birth Weight

A measure of infant weight at the time of birth. Low birth weight is defined as <2500 grams.

✓ <u>Prenatal Care</u>

A measure of the trimester that prenatal care began. Late prenatal care is defined as care that began after the first trimester or not at all.

 ✓ Paternity Establishment A measure of whether paternity was established at birth through the legal naming of a father on the birth record.
✓ Number of Births

A measure of the number of live births to this mother. If this was a first birth, it was coded as one.

Prior Pregnancy Terminations

A measure of whether or not the mother had terminated any earlier pregnancies.

<u>Birth Payment Method</u>

A measure of how the birth was paid for. Non---public includes private health insurance companies and self---pay. Public refers to Medi---Cal and other forms of public health insurance coverage. In California, mothers who give birth without health insurance coverage are retroactively enrolled in a public program.

Cumulative Number of Children Reported for Alleged Abuse or Neglect before Age 5 (Table 2) Table 2 presents the cumulative number (N) and percentage (%) of children born in 2006 and 2007 who were reported to CPS for alleged abuse or neglect before age 5. These data are stratified by the sociodemographic and health characteristics Additionally, we present listed in Table 1. unadjusted and adjusted risk ratios (RRs) to compare the likelihood that children with different characteristics were reported to CPS before age 5. These estimates of relative risk are accompanied by 95% confidence intervals (95% CI); statistical significance is reported and described in the table endnotes.

- 13,602 children were reported to CPS for alleged child abuse or neglect before the age of 5, 15.9% of children.
- Notable differences emerged in the likelihood of being reported to CPS. Overall, 20.4% of children who were low birth weight (< 2500g) were reported compared to 15.6% of children who were not. In relative terms, that meant that a low-birth-weight child had a 30% greater likelihood of being reported for abuse or neglect (RR: 1.31\*\*\*; 95% CI: 1.24, 1.37). After adjusting for other factors, the heightened risk associated with low birth weight diminished in magnitude, but was still statistically significant (RR: 1.17\*\*\*; 95% CI: 1.11, 1.24).</li>
- An inverse relationship was observed between a child's risk of being reported for alleged maltreatment and maternal age. Among children born to teen mothers, 33.0% were reported. In contrast, only 10.4% of children born to a mother age 30 or older were reported. Before adjusting for other factors, children of

#### **Unadjusted and Adjusted Risk Ratios**

In this report, risk is conceptualized as the statistical likelihood that a child will experience various levels of involvement with child protective services (i.e., reported, substantiated, entered foster care).

A risk ratio (RR) is a measure used to compare risk across children with different characteristics. An unadjusted RR provides a simple comparison of the likelihood that a child in group A was reported, substantiated, or entered foster care versus a child in group B.

An adjusted RR attempts to isolate the measureable relationship of a particular factor to the outcome. Adjusted RRs estimate relative differences in the likelihood that a child in group A was reported, substantiated, or entered foster care compared to a child in group B, while holding constant the influence of other factors.

An RR of 1.0 (or a 95% confidence interval that includes 1.0) indicates that there is no discernible difference in risk between group A and B. An RR larger than 1.0 indicates that group A has a greater risk than group B. Meanwhile an RR of less than 1.0 indicates that group A has a lower risk than group B.

teen mothers were almost 6 times as likely to be reported to CPS as were those born to mothers 30 and older (RR: 5.96\*\*\*; 95% CI: 5.60, 6.34).

## Cumulative Number of Children with Substantiated Reports of Abuse or Neglect before Age 5 (Table 3)

Table 3 presents the cumulative number (N) and percentage (%) of children born in 2006 and 2007 who were substantiated as victims of abuse or neglect before age 5. These data are separated by sociodemographic and health characteristics. Unadjusted and adjusted RRs (and 95% CIs) are used to compare the likelihood of substantiation across children with different characteristics. Statistical significance is reported and described in the table endnotes.

- 4,252 children were substantiated as victims of abuse or neglect before age 5, 5.0% of all children born.
- Notable differences emerged in the likelihood of • being substantiated as victims. Among children whose births were covered by public insurance, 8.5% were substantiated as victims of maltreatment before age 5, compared to 2.6% among children with non-public insurance. Before adjusting for other factors, public insurance was associated with a 3 times greater risk of substantiation (RR: 3.22\*\*\*; 95% CI: 3.02, 3.43). In the adjusted model, the risk ratio was attenuated (or weaker), but the relative difference was still large (RR: 1.73\*\*\*; 95% CI: 1.62, 1.86).
- Risk of substantiated maltreatment varied with the commencement of prenatal care. Although representing only a small percentage of births overall, nearly 1 in 5 children with no recorded prenatal care were subsequently substantiated for abuse or neglect, 4 times the rate of children whose prenatal care began during the first trimester before adjusting for other factors (RR: 4.37\*\*\*; 95% CI: 3.84, 4.97) and 2 times greater after adjustments were made (RR: 2.22\*\*\*; 95% CI: 1.96, 2.51).

## Cumulative Number of Children Placed in Foster Care before Age 5 (Table 4)

Table 4 presents the cumulative number (N) and percentage (%) of children born in 2006 and 2007 who entered an out-of-home foster care placement before age 5. These data are divided by sociodemographic and health characteristics. Unadjusted and adjusted RRs (and 95% CIs) are used to compare the likelihood of foster care entry across children with different characteristics. Statistical significance is reported and described in the table endnotes.

- 1,509 children spent time in foster care before age 5. This represents 1.8% of all children born.
- Characteristic differences emerged in the likelihood of being placed in foster care. Maternal education was strongly correlated with the likelihood of foster care placement before age 5. The cumulative percentage of children placed in foster care across levels of maternal education ranged from less than 0.5% of children born to college graduates compared to 3.6% of children whose mothers had not finished high school.
- Among children for whom paternity was not established, 8.1% entered foster care at some point before age 5. The comparable share of children entering foster care was 1.2% among those with established paternity. Overall, missing paternity was associated with a nearly 7 times greater risk of foster care placement (RR: 6.80\*\*\*; 95% CI: 6.15, 7.52). After adjusting for other factors, the observed risk of foster care placement for children with missing paternity remained 3 times that of children with established paternity (RR: 3.23\*\*\*; 95% CI: 2.87, 3.62).

#### **County Comparison Findings (Table 5)**

Table 5 serves as a summary table for California and all 58 counties, presenting the overall number of births (N) as well as the cumulative percentage (%) of children reported to CPS, substantiated as victims of maltreatment, and entering foster care before age 5.

- Overall, 1,085,745 children were born in California in 2006 and 2007.
- Infants born in San Diego County represented 7.9% of births statewide.
- In California, 14.8% of children were reported to CPS, 5.1% were substantiated as victims of abuse or neglect, and 2.2% spent time in foster care before age 5.
- The cumulative percentage of children reported for alleged abuse or neglect ranged from less than 8.0% to more than 30.0% across California counties.
- The cumulative percentage of children substantiated as victims of abuse or neglect varied by county, from less than 2.0% to more than 16.0% of all children born.
- Across counties, the percentage of children who spent time in foster care before reaching their fifth birthday ranged from less than 0.5% to more than 7.0%.

#### San Diego County Quick Facts

Percentage of Children Reported to CPS before Age 5

## 15.9%

Percentage of Children Substantiated before Age 5

# 5.0%

Percentage of Children Entering Foster Care before Age 5

1.8%

#### **IMPLICATIONS**

Linked data for San Diego County underscore that annual counts of children reported for maltreatment, substantiated as victims, and placed in foster care dramatically understate the number of children involved with the child protection system over time. In San Diego, official crosssectional data from 2013 indicate that 6.5% of children under age 5 were reported for maltreatment. However, when we longitudinally follow children from birth through age 5-data from the present report indicate that 15.9% of reported—significantly children were more children than previously appreciated.

Research increasingly points to children under age 5 as a population acutely vulnerable to the consequences of maltreatment. А better understanding of the sociodemographic and health characteristics of children most likely to experience abuse or neglect between birth and age 5 is critical to improving and garnering support for prevention efforts. Population-level knowledge concerning the distribution of risk can be leveraged to enable a strategic and equitable matching of public resources to community need.

Linked records can be used to develop automated triaging tools to ensure our most vulnerable children and families are prioritized for scarce service intervention slots.

#### AUTHORS

Emily Putnam-Hornstein, PhD

Michael Mitchell, PhD

Ivy Hammond, BA

#### ACKNOWLEDGMENTS

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#### **QUESTIONS?**

Emily Putnam-Hornstein (ehornste@usc.edu)

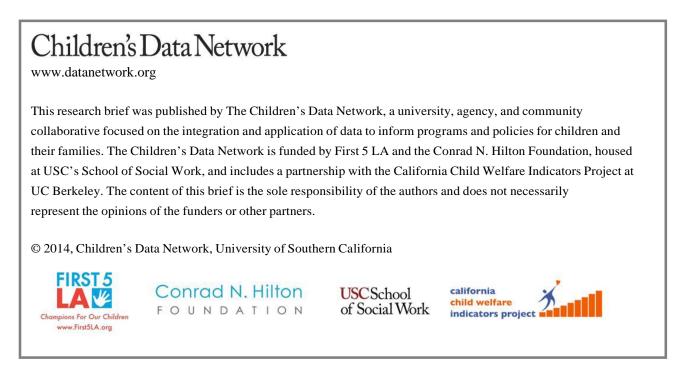


Table 1. Characteristics of Children born in San Diego County by Birth Payment	Method
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	Full Birth Co	Birth Payment Method				
	2006 & 20	2006 & 2007		:	NonPublic	
	N	%	N	%	N	%
Gender					·	
Female	41,869	49.1	16,966	49.3	24,903	48.9
Male	43,480	50.9	17,433	50.7	26,047	51.1
Birth Weight						
Normal	79,608	93.3	32,113	93.4	47,495	93.2
Low	5,741	6.7	2,286	6.7	3,455	6.8
BirthAbnormality						
None	78,193	91.6	31,425	91.4	46,768	91.8
One or More	7,156	8.4	2,974	8.7	4,182	8.2
Prenatal Care		I				
1st Trimester	72,241	84.6	27,035	78.6	45,206	88.7
2nd Trimester	9,965	11.7	5,663	16.5	4,302	8.4
3rd Trimester	2,002	2.4	1,179	3.4	823	1.6
None/Missing	1,141	1.3	522	1.5	619	1.2
Paternity Establishment	· · · ·					
Established	78,137	91.6	29,858	86.8	48,279	94.8
Missing	7.212	8.5	4,541	13.2	2,671	5.2
Maternal Race/Ethnicity	, , ,		,-			
White	30,651	35.9	8,668	25.2	21,983	43.
Black	4,318	5.1	2,846	8.3	1,472	2.9
Latina, USborn	15,914	18.7	7,524	21.9	8,390	16.
Latina, Foreignborn	24,538	28.8	12,609	36.7	11,929	23.4
Asian/Pacific Islander	9,484	11.1	2,527	7.4	6,957	13.
Native American	444	0.5	225	0.7	219	0.4
Maternal Age						
≤ 19 yrs	6,592	7.7	4,608	13.4	1,984	3.9
2024 yrs	18,936	22.2	12,036	35.0	6,900	13.
2529 yrs	23,190	27.2	9,138	26.6	14,052	27.6
30+ yrs	36,631	42.9	8,617	25.1	28,014	55.0
MaternalEducation			0,000			
< HS	18,881	22.1	12,760	37.1	6,121	12.0
HS or GED	19,535	22.9	10,730	31.2	8,805	17.
Some College	21,215	24.9	8,039	23.4	13,176	25.9
College+	25,718	30.1	2,870	8.3	22,848	44.8
Number of Births	20,710	0011	<b>_</b> ,00	0.0		
One	36,041	42.2	14,183	41.2	21,858	42.9
Two	27,340	32.0	9,909	28.8	17,431	34.2
Three+	21,968	25.7	10,307	30.0	11,661	22.9
Prior Pregnancy Terminations	21,700	2017	10,007	2010	11,001	
None	70,144	82.2	28,598	83.1	41,546	81.5
One+	15,205	17.8	5,801	16.9	9,404	18.5
Birth Payment Method	13,203	1/.0	5,001	10.7	7,707	10
NonPublic	50,950	59.7				
Public	34,399	40.3				
Table Notes:	57,577	10.5		40.0 KH		

Table Notes:

1. Cell sizes < 10 masked as indicated by [-----]

2. Table based on the full population of children born in a given county in 2006 and 2007

	Reported	l to CPS	Risk Comparisons			
	Before Age 5		Unadjusted		Adjusted	
	N	%	RR	95% CI	RR	95% CI
Gender						
Female	6,748	16.1	ref.		ref.	
Male	6,854	15.8	0.98	(0.95, 1.01)	0.98	(0.95, 1.01)
Birth Weight						
Normal	12,431	15.6	ref.		ref.	
Low	1,171	20.4	1.31***	(1.24, 1.38)	1.17***	(1.11, 1.24)
BirthAbnormality			1			
None	12,150	15.5	ref.		ref.	
One or More	1,452	20.3	1.31***	(1.24, 1.37)	1.16***	(1.10, 1.22)
Prenatal Care						
1st Trimester	10,320	14.3	ref.		ref.	
2nd Trimester	2,373	23.8	1.67***	(1.60, 1.73)	1.17***	(1.13, 1.22)
3rd Trimester	526	26.3	1.84***	(1.71, 1.98)	1.16***	(1.08, 1.25)
None/Missing	383	33.6	2.35***	(2.16, 2.55)	1.42***	(1.31, 1.54)
Paternity Establishment			I	. ,,		
Established	11,147	14.3	ref.		ref.	
Missing	2,455	34.0	2.39***	(2.30, 2.47)	1.44***	(1.39, 1.50)
Maternal Race/Ethnicity						
White	3,916	12.8	ref.		ref.	
Black	1,494	34.6	2.71***	(2.58, 2.85)	1.37***	(1.31, 1.45)
Latina, USborn	3,800	23.9	1.87***	(1.80, 1.95)	1.03	(0.99, 1.08)
Latina, Foreignborn	3,433	14.0	1.10***	(1.05, 1.14)	0.61***	(0.59, 0.64)
Asian/Pacific Islander	826	8.7	0.68***	(0.63, 0.73)	0.75***	(0.70, 0.80)
Native American	133	30.0	2.34***	(2.03, 2.71)	1.28***	(1.11, 1.48)
Maternal Age						
≤ 19 yrs	2,175	33.0	3.18***	(3.04, 3.33)	2.12***	(2.00, 2.25)
2024 yrs	4,220	22.3	2.15***	(2.06, 2.24)	1.50***	(1.43, 1.57)
2529 yrs	3,409	14.7	1.42***	(1.36, 1.48)	1.15***	(1.10, 1.20)
30+ yrs	3,798	10.4	ref.		ref.	
MaternalEducation	3,770	10.1	1011		101.	
< HS	4,934	26.1	5.96***	(5.60, 6.34)	3.27***	(3.04, 3.52)
HS or GED	4,151	21.3	4.84***	(4.55, 5.16)	2.72***	(2.54, 2.92)
Some College	3,389	16.0	3.64***	(3.41, 3.89)	2.41***	(2.26, 2.58)
College+	1,128	4.4	ref.		ref.	
Number of Births	1,120	1. T			1011	
One	4,651	12.9	ref.		ref.	
Тwo	3,879	14.2	1.10***	(1.06, 1.14)	1.38***	(1.33, 1.44)
Three+	5,072	23.1	1.79***	(1.73, 1.85)	2.09***	(2.01, 2.18)
Prior Pregnancy Terminations	5,072	23.1	±., ,	(1.7.5, 1.05)	2.0 5	(2.01, 2.10)
None	10,883	15.5	ref.		ref.	
One+	2,719	17.9	1.15***	(1.11, 1.20)	1.14***	(1.10, 1.19)
Birth Payment Method	2,717	17.9	1.15	(1.11, 1.20)	1.17	(1.10, 1.19)
NonPublic	4,962	9.7	ref.		ref.	
Public	8,640	25.1	2.58***		1.54***	
Table Notes:	0,040	25.1	2.30	(2.50, 2.66)	1.54	(1.49, 1.60)

#### Table 2. Characteristics and Comparisons of Children born in San Diego County and Reported to CPS

Table Notes:

1. RR = Risk Ratio; 95% CI = 95% Confidence Interval; ref = Reference group for Risk Ratio calculations; [------] indicates no corresponding statistic given reference group status.

2. Cell sizes < 10 masked as indicated by [-----]; statistical significance denoted as:  $P < .05^*$ ;  $P < .01^{**}$ ;  $P < .001^{***}$ .

	Substa	ntiated		Risk Com	Risk Comparisons		
	Before	Before Age 5		Unadjusted		djusted	
	N	%	RR	95% CI	RR	95% CI	
Gender							
Female	2,062	4.9	ref.		ref.		
Male	2,190	5.0	1.02	(0.96,1.08)	1.03	(0.97,1.09)	
Birth Weight							
Normal	3,833	4.8	ref.		ref.		
Low	419	7.3	1.52***	(1.38,1.67)	1.24***	(1.11,1.38)	
BirthAbnormality							
None	3,720	4.8	ref.		ref.		
One or More	532	7.4	1.56***	(1.43,1.71)	1.28***	(1.16,1.41)	
Prenatal Care							
1st Trimester	2,986	4.1	ref.		ref.		
2nd Trimester	827	8.3	2.01***	(1.86,2.16)	1.32***	(1.22,1.42)	
3rd Trimester	233	11.6	2.82***	(2.48,3.19)	1.57***	(1.38,1.78)	
None/Missing	206	18.1	4.37***	(3.84,4.97)	2.22***	(1.96,2.51)	
Paternity Establishment							
Established	3,195	4.1	ref.		ref.		
Missing	1,057	14.7	3.58***	(3.36,3.83)	1.89***	(1.76,2.03)	
Maternal Race/Ethnicity							
White	1,271	4.2	ref.		ref.		
Black	598	13.9	3.34***	(3.05,3.66)	1.39***	(1.26,1.52)	
Latina, USborn	1,195	7.5	1.81***	(1.68,1.96)	0.85***	(0.78,0.92)	
Latina, Foreignborn	891	3.6	0.88**	(0.81,0.95)	0.40***	(0.37,0.44)	
Asian/Pacific Islander	239	2.5	0.61***	(0.53,0.70)	0.67***	(0.59,0.77)	
Native American	58	13.1	3.15***	(2.46,4.03)	1.41**	(1.11,1.79)	
Maternal Age							
≤ 19 yrs	728	11.0	3.68***	(3.36,4.03)	2.01***	(1.79,2.26)	
2024 yrs	1,377	7.3	2.42***	(2.24,2.62)	1.49***	(1.36,1.62)	
2529 yrs	1,048	4.5	1.51***	(1.39,1.64)	1.14**	(1.05,1.24)	
30+ yrs	1,099	3.0	ref.		ref.		
Maternal Education							
< HS	1,712	9.1	11.10***	(9.63,12.80)	5.95***	(5.06,7.01)	
HS or GED	1,331	6.8	8.34***	(7.22,9.64)	4.31***	(3.69,5.04)	
Some College	999	4.7	5.77***	(4.98,6.68)	3.53***	(3.03,4.12)	
College+	210	0.8	ref.		ref.		
Number of Births							
One	1,401	3.9	ref.		ref.		
Two	1,134	4.2	1.07	(0.99,1.15)	1.41***	(1.30,1.52)	
Three+	1,717	7.8	2.01***	(1.88,2.15)	2.34***	(2.16,2.54)	
Prior Pregnancy Terminations							
None	3,383	4.8	ref.		ref.		
One+	869	5.7	1.19***	(1.10,1.27)	1.15***	(1.07,1.24)	
Birth Payment Method							
NonPublic	1,339	2.6	ref.		ref.		
Public	2,913	8.5	3.22***	(3.02,3.43)	1.73***	(1.62,1.86)	

#### Table 3. Characteristics and Comparisons of Children born in San Diego County and Substantiated

Table Notes:

1. RR = Risk Ratio; 95% CI = 95% Confidence Interval; ref = Reference group for Risk Ratio calculations; [------] indicates no corresponding statistic given reference group status.

2. Cell sizes < 10 masked as indicated by [-----]; statistical significance denoted as:  $P < .05^*$ ;  $P < .01^{**}$ ;  $P < .001^{***}$ .

	Placed in Care			<b>Risk Comparisons</b>			
	Before Age 5		U	nadjusted	Adjusted		
	N	%	RR	95% CI	RR	95% CI	
Gender							
Female	724	1.7	ref.		ref.		
Male	785	1.8	1.04	(0.94,1.15)	1.05	(0.95,1.16)	
Birth Weight							
Normal	1,352	1.7	ref.		ref.		
Low	157	2.7	1.61***	(1.37,1.90)	1.13	(0.93,1.37)	
Birth Abnormality							
None	1,281	1.6	ref.		ref.		
One or More	228	3.2	1.94***	(1.69,2.23)	1.52***	(1.30,1.79)	
Prenatal Care							
1st Trimester	951	1.3	ref.		ref.		
2nd Trimester	327	3.3	2.49***	(2.20,2.82)	1.49***	(1.31,1.69)	
3rd Trimester	99	5.0	3.76***	(3.07,4.60)	1.74***	(1.41,2.14)	
None/Missing	132	11.6	8.79***	(7.40,10.44)	3.40***	(2.85,4.05)	
Paternity Establishment							
Established	927	1.2	ref.		ref.		
Missing	582	8.1	6.80***	(6.15,7.52)	3.23***	(2.87,3.62)	
Maternal Race/Ethnicity							
White	470	1.5	ref.		ref.		
Black	235	5.4	3.55***	(3.04,4.14)	1.17	(1.00,1.37)	
Latina, USborn	458	2.9	1.88***	(1.65,2.13)	0.74***	(0.65,0.85)	
Latina, Foreignborn	241	1.0	0.64***	(0.55,0.75)	0.25***	(0.21,0.29)	
Asian/Pacific Islander	82	0.9	0.56***	(0.45,0.71)	0.64***	(0.51,0.80)	
Native American	23	5.2	3.38***	(2.25,5.08)	1.19	(0.79,1.78)	
Maternal Age							
≤ 19 yrs	274	4.2	3.92***	(3.37,4.57)	1.65***	(1.35,2.02)	
2024 yrs	492	2.6	2.45***	(2.15,2.80)	1.33***	(1.15,1.54)	
2529 yrs	355	1.5	1.45***	(1.25,1.67)	1.02	(0.89,1.18)	
30+ yrs	388	1.1	ref.		ref.		
MaternalEducation							
< HS	679	3.6	25.00***	(17.96,34.78)	13.12***	(9.11,18.88)	
HS or GED	487	2.5	17.33***	(12.41,24.19)	8.60***	(6.05,12.22)	
Some College	306	1.4	10.03***	(7.13,14.09)	5.89***	(4.15,8.35)	
College+	37	0.1	ref.		ref.		
Number of Births							
One	488	1.4	ref.		ref.		
Two	345	1.3	0.93	(0.81,1.07)	1.31***	(1.13,1.51)	
Three+	676	3.1	2.27***	(2.03,2.55)	2.58***	(2.24,2.97)	
Prior Pregnancy Terminations							
None	1,203	1.7	ref.		ref.		
One+	306	2.0	1.17*	(1.04,1.33)	1.11	(0.98,1.26)	
Birth Payment Method							
NonPublic	445	0.9	ref.		ref.		
Public	1,064	3.1	3.54***	(3.17,3.95)	1.70***	(1.51,1.92)	

#### Table 4. Characteristics and Comparisons of Children born in San Diego County and Placed in Foster Care

Table Notes:

1. RR = Risk Ratio; 95% CI = 95% Confidence Interval; ref = Reference group for Risk Ratio calculations; [------] indicates no corresponding statistic given reference group status.

2. Cell sizes < 10 masked as indicated by [-----]; statistical significance denoted as: P<.05\*; P<.01\*\*; P<.001\*\*\*.

County of Birth	Births 2006 & 2007	% Reported	% Substantiated	% Entering Foster Care
California	1,085,745	14.8%	5.1%	2.2%
Alameda	42,000	10.7%	2.9%	1.6%
Alpine				
Amador	619	24.4%	7.8%	3.2%
Butte	5,940	25.1%	10.3%	5.7%
Calaveras	107	41.1%	16.8%	
Colusa	456	14.5%	5.7%	3.5%
Contra Costa	23,219	10.3%	3.4%	1.4%
Del Norte	709	28.3%	15.2%	6.8%
El Dorado	2,403	19.7%	9.7%	4.7%
Fresno	35,056	19.2%	5.0%	2.7%
Glenn			_	
Humboldt	3,202	22.3%	7.1%	3.4%
Imperial	6,205	13.2%	5.4%	2.8%
Inyo	451	16.4%	3.5%	
Kern	28,099	22.3%	10.7%	4.3%
Kings	5,182	16.6%	5.0%	3.2%
Lake	1,084	27.1%	8.5%	5.4%
Lassen	453	21.9%	7.9%	3.8%
Los Angeles	310,700	14.6%	5.2%	2.4%
Madera	4,014	22.0%	9.0%	5.1%
Marin	3,451	9.8%	3.2%	0.8%
Mariposa				
Mendocino	1,980	23.3%	11.1%	4.1%
Merced	6,804	21.6%	7.6%	3.9%
Modoc				
Mono	279	7.9%		
Monterey	14,196	8.9%	2.4%	1.0%
Napa	2,593	11.2%	3.5%	1.7%
Nevada	1,990	14.2%	4.3%	2.0%
Orange	93,963	11.5%	4.9%	1.4%
Placer	6,771	13.8%	5.2%	1.7%
Plumas	210	23.3%	10.5%	
Riverside	57,031	18.3%	7.1%	3.5%
Sacramento	47,277	17.1%	6.5%	3.2%
San Benito	1,191	17.0%	6.3%	2.9%
San Bernardino	57,807	17.4%	5.3%	2.6%
San Diego	85,349	15.9%	5.0%	1.8%
San Francisco	25,776	8.2%	2.6%	1.3%
San Joaquin	21,183	17.4%	6.1%	2.2%
San Luis Obispo	5,445	17.3%	5.1%	2.1%
San Mateo	10,599	6.0%	1.3%	0.5%
Santa Barbara	11,903	12.6%	4.3%	2.0%
Santa Clara	56,832	9.8%	2.4%	1.2%

## Table 5. Summary of County Data for California: Children Born in 2006/2007 and Reported to Child Protective Services, Substantiated as Victims, or Entering Foster Care before Age 5

County of Birth	Births 2006 & 2007	% Reported	% Substantiated	% Entering Foster Care
Santa Cruz	7,379	14.3%	4.7%	1.9%
Shasta	4,556	27.6%	12.9%	6.6%
Sierra				
Siskiyou	805	30.7%	13.5%	5.7%
Solano	10,978	15.2%	4.0%	1.5%
Sonoma	11,397	10.3%	3.9%	1.2%
Stanislaus	19,632	16.9%	6.3%	1.4%
Sutter	4,481	18.4%	6.8%	2.6%
Tehama	1,412	30.7%	11.8%	7.1%
Trinity				
Tulare	14,900	18.8%	5.0%	2.6%
Tuolumne	1,169	23.9%	9.5%	4.4%
Ventura	21,713	13.0%	2.8%	1.4%
Yolo	4,097	12.8%	4.6%	2.1%
Yuba				

Table Notes:

1. Cellsizes < 10 masked as indicated by [------].