



# PROVIDING COMPLETE BIRTH CERTIFICATE INFORMATION

## FOR PUBLIC HEALTH USE

### % Missing (Incomplete/Unknown/Withheld) Values for Selected CA Birth Certificate Items

	2006	2007	2008	2009	2010	2011	NCHS Standard*
Mother Hispanic (Unknown/Withheld)	1.6%	1.4%	1.6%	1.8%	1.8%	1.8%	1.0%
Mother's Race (Unknown/Withheld)	1.5%	1.5%	1.6%	1.9%	1.9%	1.8%	1.0%
Mother's Education (Unknown/Withheld)	3.0%	3.4%	3.2%	3.6%	3.5%	3.5%	1.0%
Date LMP Began (Incomplete/Unknown)	11.2%	10.5%	9.3%	7.9%	7.0%	5.4%	11.8%
Date First Prenatal Visit (Incomplete/Unknown)		26.8%	21.9%	16.9%	14.3%	11.4%	8.0%**
Month Prenatal Care Began (Unknown)	0.8%	2.1%	2.1%	1.9%	2.1%	2.1%	N.A.
Date Last Prenatal Visit (Incomplete/Unknown)		9.6%	6.7%	5.1%	4.7%	3.7%	6.3%**
Number of Prenatal Care Visits (Unknown)	1.1%	2.5%	3.3%	2.7%	2.7%	2.4%	3.3%
Fetal Presentation (Unknown)	12.1%	10.3%	8.9%	7.8%	7.2%	5.5%	1.0%**
Mother's Prepregnancy Weight (Unknown)		10.0%	8.9%	6.4%	5.3%	4.8%	2.6%**
Mother's Weight At Delivery (Unknown)		7.8%	6.6%	4.4%	3.3%	3.0%	3.0%**
Mother's Height (Unknown)		7.2%	6.2%	3.9%	2.6%	2.1%	1.8%**
Cigarettes Smoked First Trimester (Unknown)		2.2%	1.9%	1.7%	0.9%	0.9%	1.0%**
5 Minute APGAR Score (Unknown)		3.1%	2.2%	1.4%	0.7%	0.5%	1.0%

\* NCHS Standard is 1.5 x the median reported by the states for 2009 and above 1%.

\*\* NCHS Standard is based on the 30 states with revised birth certificates in 2009.

## USING AVSS TO GENERATE #UNKNOWN REPORTS

SYSTEM OPTION > **REPORT GENERATOR**

REPORT GENERATOR OPTION > **GENERATE REPORT**

REP. REPORT > **#UNKNOWN** = UNKNOWN TABLES FOR 2007+ VARIABLES

ENTER BEGINNING VALUE FOR DATE OF BIRTH <**1/1/2012**> (1/1/2012)

ENTER ENDING VALUE FOR DATE OF BIRTH < T > **01312012** (1/31/2012)

RUN THIS REPORT IN THE BACKGROUND <N>

SAVE THE OUTPUT FROM THIS REPORT <N>

OUTPUT DEVICE <T>

PREGNANCY COMPLICATIONS/PROCEDURES  
DATE RANGE: 1/1/2011 TO 12/31/2011

CALIFORNIA BIRTHS  
TODAY: 2/22/2012

ITEM 29. COMPLICATIONS/PROCEDURES OF PREGNANCY/CONCURRENT ILLNESS

00=NONE	182274	36.26%
01=GESTATIONAL HYPERTEN (PREECLAMPSIA)	13253	2.64%
02=ECLAMPSIA	530	0.11%
03=PREPREGNANCY HYPERTENSION (CHRONIC)	3151	0.63%
09=PREPREGNANCY DIABETES	2314	0.46%
16=HERPES SIMPLEX VIRUS	4132	0.82%
18=HEPATITIS B	1152	0.23%
23=PREVIOUS BIRTH < 37 WEEKS GESTATION	4105	0.82%
24=CERVICAL CERCLAGE	807	0.16%
28=TOCOLYSIS	2313	0.46%
30=OTHER PREGNANCY COMPLICATIONS	69327	13.79%
31=GESTATIONAL DIABETES	21736	4.32%
32=LARGE FIBROIDS	986	0.20%
33=ASTHMA	8446	1.68%
34=MULTIPLE PREGNANCY	9808	1.95%
35=INTRAUTERINE GROWTH RESTRICTED	2028	0.40%
36=OTHER PREVIOUS POOR OUTCOME	4927	0.98%
37=EXTERNAL CEPHALIC VERSION-SUCCESS	631	0.13%
38=EXTERNAL CEPHALIC VERSION-FAIL	289	0.06%
39=SPECIALIST CONSULTATION	8033	1.60%
40=FERTILITY ENHANCING DRUGS	1587	0.32%
41=ASSISTED REPRODUCTIVE TECHNOLOGY	3863	0.77%
42=CHLAMYDIA	2201	0.44%
43=GONORRHEA	206	0.04%
44=GROUP B STREPT	39558	7.87%
45=HEPATITIS C	347	0.07%
46=SYPHILIS	94	0.02%
51=CHLAMYDIA SCREENING	220642	43.89%
52=GONORRHEA SCREENING	217360	43.24%
53=GROUP B STREP SCREENING	260245	51.77%
54=HEPATITIS B SCREENING	252249	50.18%
55=HIV SCREENING (OFFERED)	229452	45.65%
56=SYPHILIS SCREENING	216146	43.00%

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TOTAL NUMBER OF CALIFORNIA BIRTHS

502688

LABOR AND DELIVERY COMPLICATIONS/PROCEDURES  
DATE RANGE: 1/1/2011 TO 12/31/2011

CALIFORNIA BIRTHS  
TODAY: 2/22/2012

ITEM 30. COMPLICATIONS/PROCEDURES OF LABOR AND DELIVERY

00=NONE	151311	30.10%
07=PRECIPITOUS LABOR (<3HRS)	7761	1.54%
08=PROLONGED LABOR (<20HRS)	5061	1.01%
10=PREMATURE RUPTURE MEMBRNES (>12HRS)	9342	1.86%
11=INDUCTION OF LABOR	68071	13.54%
12=AUGMENTATION OF LABOR	89498	17.80%
13=ABRUPTIO PLACENTA	1473	0.29%
17=CHORIOAMNIONITIS	2110	0.42%
19=MECONIUM STAINING OF AMNIOTIC FLUID	21630	4.30%
20=PROLAPSED CORD	348	0.07%
24=MATERNAL BLOOD TRANSFUSION	678	0.13%
25=MOTHER TRANSFERRED IN	653	0.13%
31=OTHER COMPLICATIONS	89181	17.74%
32=NON-VERTEX PRESENTATION	7597	1.51%
33=STEROIDS FOR FETAL LUNG MATURATION	3980	0.79%
34=ANTIBIOTICS RECEIVED BY MOTHER	74460	14.81%
35=CLINICAL CHORIOAMNIONITIS	6741	1.34%
36=FETAL INTOLERANCE OF LABOR	13028	2.59%
37=EPIDURAL OR SPINAL ANESTHESIA	275420	54.79%
38=RUPTURE OF MEMBRANES PRIOR TO LABOR	8685	1.73%
39=PLACENTAL INSUFFICIENCY	349	0.07%
40=3RD/4TH DEGREE PERINEAL LACERATION	3265	0.65%
41=RUPTURED UTERUS	61	0.01%
42=UNPLANNED HISTERECTOMY	126	0.03%
43=ADMISSION TO ICU	489	0.10%
44=UNPLANNED O.R.PROCEDURE	478	0.10%

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TOTAL NUMBER OF CALIFORNIA BIRTHS

502688

ABNORMAL COND/CLINICAL PROC D RELATNG TO NEWBORN CALIFORNIA BIRTHS  
 DATE RANGE: 1/1/2011 TO 12/31/2011 TODAY: 2/22/2012

ITEM 31. ABNORMAL CONDITIONS/CLINICAL PROCEDURES RELATNG TO NEWBORN

00=NONE	447739	89.07%
01=ANENCEPHALY	22	0.00%
02=MENINGOMYELOCELE/SPINA BIFIDA	38	0.01%
28=CLEFT PALATE ALONE	53	0.01%
29=CLEFT LIP ALONE	45	0.01%
30=CLEFT PALATE WITH CLEFT LIP	114	0.02%
35=HYPOSPADIAS	62	0.01%
57=DOWN'S SYNDROME-CONFIRMED	77	0.02%
62=ADDITIONAL CONGENITAL ANOMALIES	869	0.17%
66=SIGNIFICANT BIRTH INJURY	287	0.06%
70=SEIZURE OR NEUROLOGICAL DYSFUNCTION	51	0.01%
71=ASSISTED VENTILATION-IMMEDIATE	8264	1.64%
73=NICU ADMISSION	31875	6.34%
74=NEWBORN TRANSFER WITHIN 24 HRS	3589	0.71%
75=OTHER CONDITIONS	29659	5.90%
76=CYANOTIC CONGENITAL HEART DISEASE	51	0.01%
77=CONGENITAL DIAPHRAGMATIC HERNIA	27	0.01%
78=OMPHALOCELE	24	0.00%
79=GASTROSCHISIS	88	0.02%
80=LIMB REDUCTION DEFECT	24	0.00%
81=DOWN'S SYNDROME-PENDING	87	0.02%
82=SUSPECT CHROMOSOMAL DISORDER-CONFIRM	21	0.00%
83=SUSPECT CHROMOSOMAL DISORDER-PENDING	47	0.01%
85=ASSISTED VENTILATION > 6 HRS	1836	0.37%
86=SURFACTANT REPLACEMENT THERAPY	522	0.10%
87=ANTIBIOTICS RECEIVED-SEPSIS	4661	0.93%
88=AORTIC STENOSIS	8	0.00%
89=PULMONARY STENOSIS	8	0.00%
90=ATRESIA	19	0.00%

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TOTAL NUMBER OF CALIFORNIA BIRTHS 502688

## Using AVSS to Generate Complications Reports

Individual hospital reports for birth certificate items 29, 30 and 31 can be produced by using the following AVSS report codes:

ITEM 29. Complications and Procedures of Pregnancy and Concurrent Illness  
REP.REPORT>#HCOMP29

ITEM 30. Complications and Procedures of Labor and Delivery  
REP.REPORT>#HCOMP30

ITEM 31. Abnormal conditions and clinical Procedures Relating to the Newborn  
REP.REPORT>#HCOMP31

The following example demonstrates how to run the #HCOMP29 report for Item 29.

SYSTEM OPTION > **REPORT GENERATOR**

REPORT GENERATOR OPTION > **GENERATE REPORT**

REP. REPORT > **#HCOMP29** = PREGNANCY COMPLICATION TABLES FOR  
BIRTHS 1/1/2006 AND LATER BY HOSPITAL

ENTER BEGINNING VALUE FOR HOSPITAL CODE > **###**

ENTER ENDING VALUE FOR HOSPITAL CODE > **###**

ENTER BEGINNING VALUE FOR DATE OF BIRTH < **1/1/2012** > (1/1/2012)

ENTER ENDING VALUE FOR DATE OF BIRTH < T > **01312012** (1/31/2012)

RUN THIS REPORT IN THE BACKGROUND <N>

SAVE THE OUTPUT FROM THIS REPORT <N>

OUTPUT DEVICE <T>

# Birth Data Quality Resources on the Web

- [www.avss.org](http://www.avss.org)  
The University of California Santa Barbara AVSS website contains several manuals including the “AVSS Quick Reference Manual” and “Report Generator Manual”.
- <http://www.cdc.gov/nchs/data/dvs/GuidetoCompleteFacilityWks.pdf>  
The National Center for Health Statistics website contains a “Guide to Completing the Certificate of Live Birth and Report of Fetal Death”.

# Need help with AVSS?

## AVSS Help Desk

Peter Chen (805) 893-3214  
John Marinko (916) 449-5174  
FAX (916) 445-5708



## AVSS Web Page

[www.avss.org](http://www.avss.org)

## State Help Desk

Jessica McCarroll (916) 552-8222  
Andrea Argyilan (916) 552-8216  
FAX (916) 323-2299

