



# California Licensed Midwife Annual Report Summary

2021 Reporting Year

**AS OF JULY 29, 2022**

## Submission Summary

Midwives Expected to Report	<b>569</b>
Number Reported	<b>421</b>
Number Unreported	<b>148</b>

## Services Provided in California

Number of midwives or student midwives supervised by a midwife who performed midwifery services in <b>State of California</b> during the reporting year when the intended place of birth at the onset of care was an out-of-hospital setting	<b>297</b>
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## Client Services

Total number of clients served as primary caregiver during this calendar year	<b>7976</b>
Clients who left care for a non-medical reason	<b>413</b>
Clients whose pregnancies ended for any reason prior to 20 weeks gestation	<b>214</b>
Clients served whose births were still pending on the last day of the reporting year	<b>1457</b>
<b>Total number of clients covered in this report</b>	<b>5892</b>

# Out-of-Hospital Birth Outcomes Per County

County Name	Number of live births	Number of live pre-term births (before 37 0/7 weeks gestation)	Number of live term births (between 37 1/7 and 41 6/7 weeks)	Number of live post-term births (after 42 0/7 weeks)	Number of low birth weight, <u>term</u> , infants (under 2500 grams)
Alameda County	241	1	240	0	3
Alpine County	0	0	0	0	0
Amador County	4	0	4	0	0
Butte County	66	51	15	0	0
Calaveras County	12	0	11	0	0
Colusa County	1	0	1	0	0
Contra Costa County	83	0	83	0	0
Del Norte County	6	0	6	0	0
El Dorado County	53	3	50	0	0
Fresno County	29	0	29	0	0
Glenn County	2	0	2	0	0
Humboldt County	129	0	129	0	0
Imperial County	2	0	2	0	0
Inyo County	0	0	0	0	0
Kern County	72	0	72	0	0
Kings County	5	0	5	0	0
Lake County	7	1	6	0	0
Lassen County	21	0	21	0	0
Los Angeles County	938	8	929	1	2
Madera County	9	0	9	0	0
Marin County	45	2	43	0	0
Mariposa County	2	0	2	0	0
Mendocino County	63	1	62	0	0
Merced County	11	0	11	0	0
Modoc County	0	0	0	0	0
Mono County	0	0	0	0	0
Monterey County	57	0	57	0	1
Napa County	27	0	27	0	1
Nevada County	80	0	80	0	0
Orange County	260	0	258	1	1
Placer County	180	1	176	3	0

Plumas County	6	0	6	0	0
Riverside County	256	0	252	2	0
Sacramento County	179	0	179	0	1
San Benito County	2	0	2	0	0
San Bernardino County	253	0	251	2	1
San Diego County	512	2	504	6	2
San Francisco County	69	0	69	0	0
San Joaquin County	29	0	29	0	9
San Luis Obispo County	80	0	80	0	0
San Mateo County	36	0	36	0	0
Santa Barbara County	65	0	65	0	0
Santa Clara County	107	0	107	0	1
Santa Cruz County	53	0	53	0	0
Shasta County	50	0	50	0	0
Sierra County	2	0	2	0	0
Siskiyou County	24	0	24	0	0
Solano County	26	0	26	0	0
Sonoma County	100	0	100	0	0
Stanislaus County	38	0	38	0	0
Sutter County	4	0	4	0	0
Tehama County	4	0	4	0	0
Trinity County	5	0	5	0	0
Tulare County	12	0	12	0	0
Tuolumne County	35	0	35	0	0
Ventura County	169	15	152	2	1
Yolo County	24	0	24	0	0
Yuba County	11	0	11	0	0
<b>Totals</b>	<b>4556</b>	<b>85</b>	<b>4450</b>	<b>17</b>	<b>23</b>

## Out-of-Hospital Birth Outcomes

Planned out-of-hospital births at the onset of labor *	<b>5354</b>
Completed births in an out-of-hospital setting *	<b>4511</b>
Non-VBAC completed singleton breech live born deliveries	<b>64</b>
→ Of the non-VBAC completed singleton breech live born deliveries, total number of precipitous deliveries	<b>20</b>
Sets of twins both delivered out of hospital	<b>3</b>
→ Of the sets of twins both delivered out of hospital, total number of precipitous deliveries	<b>2</b>
Sets of higher order multiples all delivered out of hospital	<b>0</b>
→ Of the sets of higher order multiples all delivered out of hospital, total number of precipitous deliveries	<b>0</b>

\* Clients delivering multiples is counted as one birth

## Out-of-Hospital VBAC Deliveries and Client History

Planned VBACs at the onset of term labor or term rupture of membranes *	<b>283</b>
Completed VBACs *	<b>221</b>
VBAC completed singleton vertex live born deliveries *	<b>219</b>
VBAC completed singleton breech live born deliveries *	<b>2</b>
VBAC infants' gestational age less than 37 weeks total	<b>3</b>
→ Of the VBAC infants' gestational age less than 37 weeks total, number of precipitous deliveries *	<b>0</b>
VBAC infants' gestational age between 37.1 and 41.6 weeks total	<b>217</b>
VBAC infants' gestational age 42 weeks or more total	<b>1</b>

### VBAC Client History

VBAC clients who had 0 prior vaginal deliveries	<b>147</b>
VBAC clients who had 1 prior vaginal delivery	<b>73</b>
VBAC clients who had 2 prior vaginal deliveries	<b>19</b>
VBAC clients who had 3 prior vaginal deliveries	<b>6</b>
VBAC clients who had 4 prior vaginal deliveries	<b>6</b>
VBAC clients who had 5 or more prior vaginal deliveries	<b>8</b>
VBAC clients who had 1 prior caesarean delivery	<b>237</b>
VBAC clients who had 2 prior caesarean deliveries	<b>20</b>
VBAC clients who had 3 prior caesarean deliveries	<b>2</b>
VBAC clients who had 4 prior caesarean deliveries	<b>0</b>
VBAC clients who had 5 or more prior caesarean deliveries	<b>0</b>
VBAC clients who had 0 prior VBAC deliveries	<b>149</b>

VBAC clients who had 1 prior VBAC delivery	<b>74</b>
VBAC clients who had 2 prior VBAC deliveries	<b>18</b>
VBAC clients who had 3 prior VBAC deliveries	<b>9</b>
VBAC clients who had 4 prior VBAC deliveries	<b>6</b>
VBAC clients who had 5 or more prior VBAC deliveries	<b>3</b>

*\* Clients delivering multiples is counted as one VBAC*

## Antepartum Transfer of Care, Elective/Non-Emergency

Medical or mental health conditions unrelated to pregnancy	<b>9</b>
Hypertension developed in pregnancy	<b>64</b>
Blood coagulation disorders, including phlebitis	<b>5</b>
Anemia	<b>6</b>
Persistent vomiting with dehydration	<b>0</b>
Nutritional and weight loss issues, failure to gain weight	<b>0</b>
Gestational diabetes	<b>20</b>
Vaginal bleeding	<b>1</b>
Suspected or known placental anomalies or implantation abnormalities	<b>13</b>
Loss of pregnancy (includes spontaneous and elective abortion)	<b>3</b>
HIV test positive	<b>0</b>
Suspected intrauterine growth restriction, suspected macrosomia	<b>22</b>
Fetal anomalies	<b>7</b>
Abnormal amniotic fluid volumes; oligohydramnios or polyhydramnios	<b>19</b>
Fetal heart irregularities	<b>9</b>
Non vertex lie at term	<b>47</b>
Greater than 42 weeks and less than 37 weeks gestation	<b>56</b>
Multiple gestation	<b>8</b>
Clinical judgment of the midwife (where a single other condition above does not apply)	<b>43</b>
Client request	<b>36</b>
Other	<b>30</b>
<b>Total</b>	<b>398</b>

## Antepartum Transfer of Care, Urgent/Emergency

Non pregnancy-related medical condition	2
Severe or persistent headache, pregnancy-induced hypertension (PIH), or preeclampsia	54
Isoimmunization, severe anemia, or other blood related issues	0
Significant infection	0
Significant vaginal bleeding	10
Preterm labor or preterm rupture of membranes	23
Marked decrease in fetal movement, abnormal fetal heart tones, non-reassuring non-stress test (NST)	23
Less than 37 0/7 weeks gestation with rupture of membranes	2
Clinical judgment of the midwife (where a single other condition above does not apply)	6
Fetal demise	3
Other	14
<b>Total</b>	<b>137</b>

## Intrapartum Transfer of Care, Elective/Non-Emergency

Persistent hypertension; severe or persistent headache	18
Active herpes lesion	2
Abnormal bleeding	2
Signs of infection	13
Prolonged rupture of membranes	78
Lack of progress; maternal exhaustion; dehydration	312
Thick meconium in the absence of fetal distress	30
Non-vertex presentation	17
Unstable lie or mal-position of the vertex	9
Less than 37 weeks gestation in labor	18
Greater than 42 weeks gestation in labor	10
Multiple gestation	0
Clinical judgment of the midwife (where a single other condition above does not apply)	29
Client request; request for medical methods of pain relief	154
Other	12
<b>Total</b>	<b>704</b>

## Intrapartum Transfer of Care, Urgent/Emergency

Suspected preeclampsia, eclampsia, seizures	16
Significant vaginal bleeding; suspected placental abruption; severe abdominal pain inconsistent with normal labor	8
Suspected uterine rupture	3
Maternal shock, loss of consciousness	1
Prolapsed umbilical cord	1
Non-reassuring fetal heart tones and/or signs or symptoms of fetal distress	67
Less than 37 weeks gestation in labor	21
Greater than 42 weeks gestation in labor	0
Clinical judgment of the midwife (where a single other condition above does not apply)	14
Other	11
Multiple gestation	0
<b>Total</b>	<b>142</b>

## Postpartum Transfer of Care – Client, Elective/Non-Emergency

Adherent or retained placenta without significant bleeding	1
Repair of laceration beyond level of midwife's expertise	11
Postpartum depression	0
Social, emotional or physical conditions outside of scope of practice	0
Excessive or prolonged bleeding in later postpartum period	0
Signs of infection	1
Clinical judgment of the midwife (where a single other condition above does not apply)	1
Client request	1
Other	1
<b>Total</b>	<b>16</b>

## Postpartum Transfer of Care – Client, Urgent/Emergency

Abnormal or unstable vital signs	5
Uterine inversion, rupture or prolapse	0
Uncontrolled hemorrhage	13
Seizures or unconsciousness, shock	1
Adherent or retained placenta with significant bleeding	13
Suspected postpartum psychosis	0
Signs of significant infection	0
Clinical judgment of the midwife (where a single other condition above does not apply)	10
Other	3
<b>Total</b>	<b>45</b>



## Transfer of Care – Infant, Elective/Non-Emergency

Low birth weight	0
Congenital anomalies	0
Birth injury	0
Poor transition to extrauterine life	6
Insufficient passage of urine or meconium	0
Parental request	2
Clinical judgment of the midwife (where a single other condition above does not apply)	5
Other	6
<b>Total</b>	<b>19</b>

## Transfer of Care – Infant, Urgent/Emergency

Abnormal vital signs or color, poor tone, lethargy, no interest in nursing	17
Signs or symptoms of infection	0
Abnormal cry, seizures or loss of consciousness	0
Significant jaundice at birth or within thirty (30) hours	0
Evidence of clinically significant prematurity	1
Congenital anomalies	1
Birth injury	1
Significant dehydration or depression of fontanelles	0
Significant cardiac or respiratory issues	12
Ten (10) minute APGAR score of six (6) or less	2
Abnormal bulging of fontanelles	0
Clinical judgment of the midwife (where a single other condition above does not apply)	7
Other	1
<b>Total</b>	<b>42</b>

## Birth Outcomes After Transfer of Care

Client Outcome	Vaginal Birth	Caesarean Delivery	VBAC	Delivery Method Unknown
Without complication	784	399	34	6
With serious pregnancy/birth related medical complications resolved by six (6) weeks	50	43	1	1
With serious pregnancy/birth related medical complications not resolved by six (6) weeks	6	8	1	0
Death of client	0	0	0	0
Other	13	21	2	3
Information not obtainable	0	0	0	70
<b>Totals</b>	<b>853</b>	<b>471</b>	<b>38</b>	<b>80</b>
Infant Outcome	Vaginal Birth	Caesarean Delivery	VBAC	
Healthy live born infant	45	1	0	
With serious pregnancy/birth related medical complications resolved by four (4) weeks	8	1	0	
With serious pregnancy/birth related medical complications not resolved by four (4) weeks	2	0	1	
Live born infant who subsequently died	1	0	0	
Other	1	1	0	
Information not obtainable	0	0	0	
<b>Totals</b>	<b>57</b>	<b>3</b>	<b>1</b>	

# Fetal Demise, Infant, and/or Maternal Death Per County

County Name	Fetal Demise	Infant Death	Maternal Death
Alameda County	2	1	0
Alpine County	0	0	0
Amador County	0	0	0
Butte County	0	0	0
Calaveras County	0	0	0
Colusa County	0	0	0
Contra Costa County	0	0	0
Del Norte County	0	0	0
El Dorado County	1	0	0
Fresno County	0	0	0
Glenn County	0	0	0
Humboldt County	0	0	0
Imperial County	0	0	0
Inyo County	0	0	0
Kern County	0	0	0
Kings County	0	0	0
Lake County	0	0	0
Lassen County	0	0	0
Los Angeles County	0	0	0
Madera County	0	0	0
Marin County	0	0	0
Mariposa County	0	0	0
Mendocino County	0	0	0
Merced County	0	0	0
Modoc County	0	0	0
Mono County	0	0	0
Monterey County	1	0	0
Napa County	0	0	0
Nevada County	0	0	0
Orange County	2	0	0
Placer County	0	0	0
Plumas County	0	0	0
Riverside County	0	1	0

Sacramento County	0	0	0
San Benito County	0	0	0
San Bernardino County	3	0	0
San Diego County	2	1	0
San Francisco County	1	0	0
San Joaquin County	0	0	0
San Luis Obispo County	0	0	0
San Mateo County	0	0	0
Santa Barbara County	0	0	0
Santa Clara County	0	0	0
Santa Cruz County	0	0	0
Shasta County	0	0	0
Sierra County	0	0	0
Siskiyou County	0	0	0
Solano County	0	0	0
Sonoma County	0	0	0
Stanislaus County	0	0	0
Sutter County	0	0	0
Tehama County	0	0	0
Trinity County	0	1	0
Tulare County	0	0	0
Tuolumne County	0	0	0
Ventura County	1	0	0
Yolo County	0	0	0
Yuba County	0	0	0
<b>Totals</b>	<b>13</b>	<b>4</b>	<b>0</b>

## Fetal Demise

Prior to rupture of membranes without labor (20 0/7 weeks to 36 6/7 weeks)	6
Prior to rupture of membranes without labor (37 0/7 weeks to 41 6/7 weeks)	2
Prior to rupture of membranes without labor (42 0/7 weeks and greater)	0
After rupture of membranes without labor (20 0/7 weeks to 36 6/7 weeks)	0
After rupture of membranes without labor (37 0/7 weeks to 41 6/7 weeks)	0
After rupture of membranes without labor (42 0/7 weeks and greater)	0
After Onset of Labor (20 0/7 weeks to 36 6/7 weeks)	2
After Onset of Labor (37 0/7 weeks to 41 6/7 weeks)	3
After Onset of Labor (42 0/7 weeks and greater)	0
→ Cases where fetal demise was diagnosed prior to labor by a physician and later delivered out-of-hospital by the midwife at the request of the client ( <b>not included in Total</b> )	3
<b>Total</b>	<b>13</b>

## Infant Death

Early Infant – birth through the end of the seventh (7th) day of extra-uterine life	3
Late Infant – eighth (8th) day of extra-uterine life through the end of day twenty-seven (27) of extra-uterine life	1
<b>Total</b>	<b>4</b>

## Maternal Death

While pregnant	0
Within forty-two (42) days of ending a pregnancy	0
<b>Total</b>	<b>0</b>

# Complications Leading to Fetal Demise, Infant, and/or Maternal Death

Fetal Complication	Out-of-Hospital	After Transfer	
Anomaly incompatible with life	1	2	
Infection	0	0	
Uterine rupture	0	2	
Cord accident	0	0	
Other Maternal complication	0	0	
Maternal death	0	0	
Other	2	0	
Information not obtainable	5	1	
<b>Totals</b>	<b>8</b>	<b>5</b>	
Infant Complication	Out-of-Hospital	After Transfer	In Hospital Distant to Immediate Postpartum Period
Anomaly incompatible with life	0	0	1
Infection	0	0	0
Meconium aspiration, other respiratory	0	0	0
Neurological issues/seizures	0	0	1
Uterine rupture	0	0	0
Other medical issue	0	1	1
Other	0	0	0
Information not obtainable	0	0	0
<b>Totals</b>	<b>0</b>	<b>1</b>	<b>3</b>
Maternal Complication	Out-of-Hospital	After Transfer	In Hospital Distant to Immediate Postpartum Period
Blood loss	0	0	0
Sepsis	0	0	0
Eclampsia/toxemia or HELLP syndrome	0	0	0
Embolism (pulmonary or amniotic fluid)	0	0	0
Uterine rupture	0	0	0
Other	0	0	0
Information not obtainable	0	0	0
<b>Totals</b>	<b>0</b>	<b>0</b>	<b>0</b>