

**SECTION E: PREGNANCY AND BIRTHS**  
**SUBSECTION 1: PREGNANCY**

**E.1.1. PREGNANCY RATES PER 1,000 WOMEN AGE 15-44**

Numerator is live births, fetal deaths and induced abortions to women of any age; denominator is women of child bearing age (15-44).

Source: Birth Certificate Database, WA State Department of Health Center for Health Statistics. Trend years: 1992-94 to 2007-09.

	<b>1992-94</b>	<b>2007-09</b>	<b>TREND</b>
<b>WA STATE</b>	88.6 per 1,000	84.5 per 1,000	
<b>KITSAP COUNTY</b>	94.3 per 1,000	78.1 per 1,000	DECREASED
<b>KITSAP COMPARED TO WA</b>	higher	lower	

**KITSAP PREGNANCY RATES PER 1,000 WOMEN BY AGE GROUP**

	<b>1992-94</b>	<b>2007-09</b>	<b>TREND</b>
Teens (under age 19)	13.2 per 1,000	6.6 per 1,000	DECREASED
Age 19 to 24	204.3 per 1,000	142.2 per 1,000	DECREASED
Age 25 to 29	158.8 per 1,000	151.1 per 1,000	
Age 30 to 34	100.4 per 1,000	92.2 per 1,000	
Age 35+	8.9 per 1,000	7.1 per 1,000	DECREASED

**E.1.2. PRENATAL CARE INITIATION BY TRIMESTER**

Sources: Birth Certificate Database, WA State Department of Health Center for Health Statistics; First Steps Database, WA State Department of Social and Health Services. Trend years: 1992-94 to 2007-09.

	<b>1992-94</b>	<b>2007-09</b>	<b>TREND</b>
<b>WA STATE</b>			
FIRST TRIMESTER	81.0%	80.0%	--
SECOND TRIMESTER	15.3%	17.4%	--
THIRD TRIMESTER	3.0%	4.2%	--
NONE	0.7%	1.5%	--
<b>KITSAP COUNTY</b>			
FIRST TRIMESTER	78.5%	74.4%	--
SECOND TRIMESTER	18.5%	19.3%	--
THIRD TRIMESTER	2.5%	5.4%	
NONE	0.5%	0.9%	--
<b>KITSAP COMPARED TO WA</b>			
FIRST TRIMESTER	lower	lower	
SECOND TRIMESTER	higher	higher	
THIRD TRIMESTER	lower	higher	
NONE	lower	lower	

**KITSAP MEDICAID BIRTHS: 2007-09**

- 61.1% first trimester
- 29.3% second trimester
- 8.4% third trimester
- 1.1% none

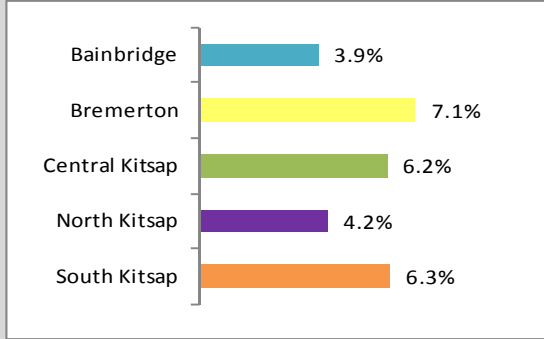
**SECTION E: PREGNANCY AND BIRTHS**  
**SUBSECTION 1: PREGNANCY**

**E.1.3. THIRD TRIMESTER PRENATAL CARE INITIATION OR NO PRENATAL CARE**

Sources: Birth Certificate Database, WA State Department of Health Center for Health Statistics; First Steps Database, WA State Department of Social and Health Services. Trend years: 1992-94 to 2007-09.

	1992-94	2007-09	TREND
<b>WA STATE</b>	3.7%	5.7%	--
<b>KITSAP COUNTY</b>	3.0%	6.3%	
<b>KITSAP COMPARED TO WA</b>	better	worse	

**KITSAP PREGNANT WOMEN BY SUBGROUP: 2007-2009**



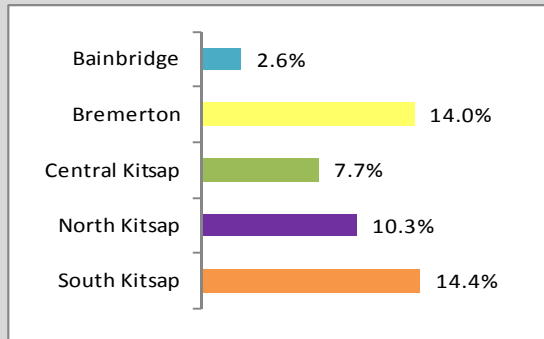
- 8.3% of pregnant women age <25
- 5.4% of pregnant women age 25-34
- 3.1% of pregnant women age 35+
- 13.4% of pregnant women with less than high school education
- 9.6% of pregnant women on Medicaid

**E.1.4. SMOKING DURING PREGNANCY**

Sources: Birth Certificate Database, WA State Department of Health Center for Health Statistics; First Steps Database, WA State Department of Social and Health Services. Trend years: 1992-94 to 2007-09.

	1992-94	2007-09	TREND
<b>WA STATE</b>	18.3%	10.1%	
<b>KITSAP COUNTY</b>	20.2%	12.7%	
<b>KITSAP COMPARED TO WA</b>	worse	worse	

**KITSAP PREGNANT WOMEN BY SUBGROUP: 2007-2009**



- 17.6% of pregnant women age <25
- 10.5% of pregnant women age 25-34
- 6.7% of pregnant women age 35+
- 32.0% of pregnant women with less than high school education
- 24.9% of pregnant women on Medicaid

**SECTION E: PREGNANCY AND BIRTHS**  
**SUBSECTION 2: BIRTH**

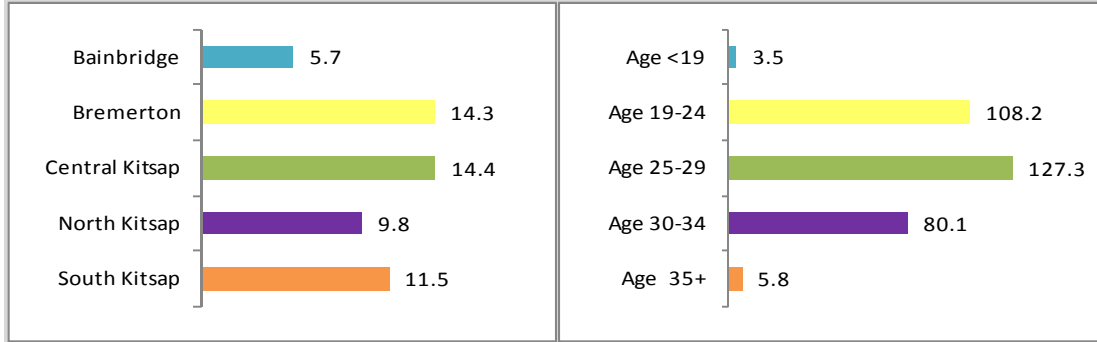
**E.2.1. LIVE BIRTH RATES PER 1,000 POPULATION**

Numerator is all live births; denominator is total population.

Source: Birth Certificate Database, WA State Department of Health Center for Health Statistics. Trend years: 1992-94 to 2007-09.

	1992-94	2007-09	TREND
<b>WA STATE</b>	15.0 per 1,000	13.6 per 1,000	--
<b>KITSAP COUNTY</b>	15.9 per 1,000	12.0 per 1,000	DECREASED
<b>KITSAP COMPARED TO WA</b>	higher	lower	

**KITSAP BIRTH RATES PER 1,000 POPULATION BY SUBGROUP: 2007-2009**



**E.2.2. KITSAP COUNTY RESIDENT BIRTHS BY PLACE OF BIRTH, 2007-09**

Source: Birth Certificate Database, WA State Department of Health.

- **97.8% at a Hospital**
- 2.1% Midwives/ Birthing Centers
- <1% At Home

**PROPORTION OF KITSAP BIRTHS BY HOSPITAL:**

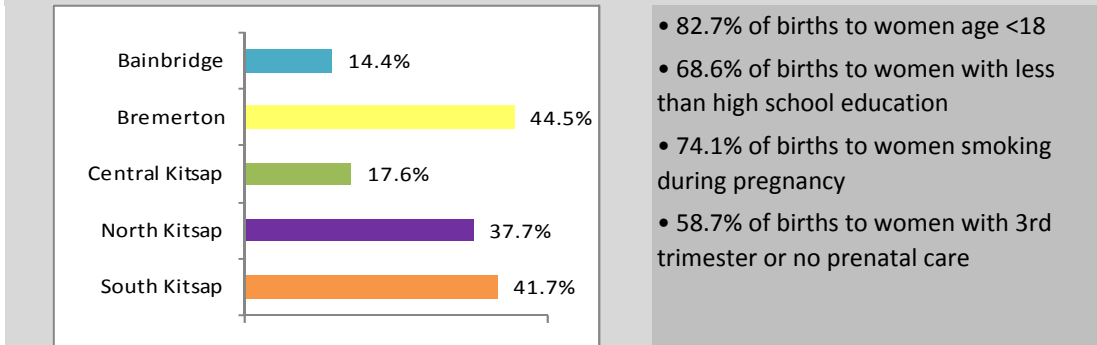
- |                                  |                                   |
|----------------------------------|-----------------------------------|
| Harrison Medical Center: 62.7%   | Tacoma General Hospital: 2.8%     |
| Naval Hospital: 21.8%            | Madigan Army Medical Center: 2.1% |
| Swedish Hospital: 3.6%           | Other hospital in WA State: 2.1%  |
| St. Joseph Hospital Tacoma: 3.5% | U of WA Medical Center: 1.4%      |

**E.2.3. BIRTHS TO LOW INCOME WOMEN (MEDICAID REIMBURSED)**

Source: First Steps Database, WA State Department of Social and Health Services. Trend years: 1992-94 to 2007-09.

	1992-94	2007-09	TREND
<b>WA STATE</b>	40.8%	48.0%	
<b>KITSAP COUNTY</b>	26.2%	37.4%	
<b>KITSAP COMPARED TO WA</b>	lower	lower	

**KITSAP BIRTHS BY SUBGROUP: 2007-2009**



**SECTION E: PREGNANCY AND BIRTHS**  
**SUBSECTION 2: BIRTH**

**E.2.4. C-SECTIONS IN UNCOMPLICATED BIRTHS**

Uncomplicated birth is a singleton, vertex, term birth.

Source: Birth Certificate Database, WA State Department of Health Center for Health Statistics.

	<b>2007-09</b>	<b>TREND</b>
<b>WA STATE</b>	17.4%	n/a
<b>KITSAP COUNTY</b>	16.3%	n/a
<b>KITSAP COMPARED TO WA</b>	--	

**KITSAP BIRTHS BY SUBGROUP: 2007-2009**

- 15.9% age <25
- 16.5% with less than high school education
- 16.0% age 25-34
- 18.6% age 35+

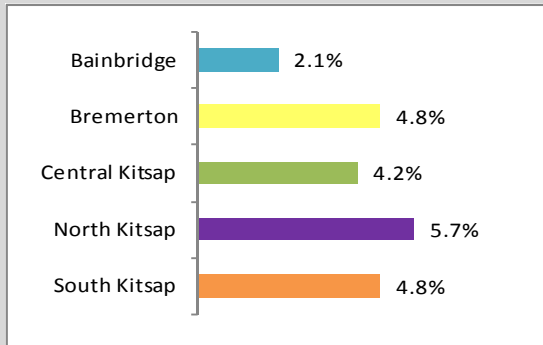
**E.2.5. LOW BIRTH WEIGHT**

Low birth weight is singleton live births with weight less than 2500 grams (5.5 pounds).

Source: Birth Certificate Database, WA State Department of Health Center for Health Statistics. Trend years: 1992-94 to 2007-09.

	<b>1992-94</b>	<b>2007-09</b>	<b>TREND</b>
<b>WA STATE</b>	4.3%	4.8%	[Red Arrow]
<b>KITSAP COUNTY</b>	4.4%	5.0%	[Red Arrow]
<b>KITSAP COMPARED TO WA</b>	--	--	

**KITSAP BIRTHS BY SUBGROUP: 2007-2009**



- 5.4% age <25
- 4.7% age 25-34
- 5.0% age 35+
- 7.3% with less than high school education
- 5.7% on Medicaid

**SECTION E: PREGNANCY AND BIRTHS**  
**SUBSECTION 2: BIRTH**

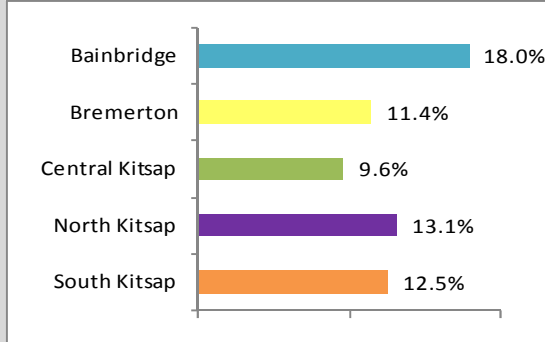
**E.2.6. HIGH BIRTH WEIGHT**

High birth weight is singleton live births with weight above 4000 grams (8.8 pounds).

Source: Birth Certificate Database, WA State Department of Health Center for Health Statistics. Trend years: 1992-94 to 2007-09.

	1992-94	2007-09	TREND
<b>WA STATE</b>	14.0%	11.0%	
<b>KITSAP COUNTY</b>	15.7%	12.0%	
<b>KITSAP COMPARED TO WA</b>	higher	higher	

**KITSAP BIRTHS BY SUBGROUP: 2007-2009**



- 9.4% age <25
- 13.3% age 25-34
- 14.1% age 35+
- 8.2% with less than high school education

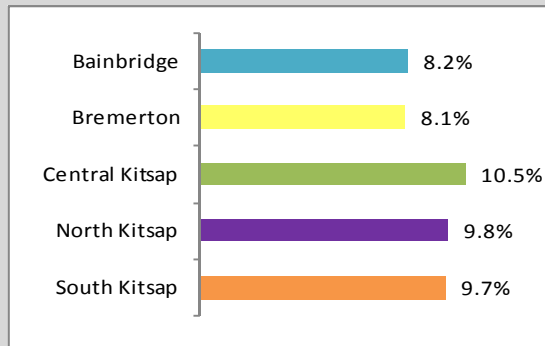
**E.2.7. PRETERM BIRTHS**

Preterm birth before 37 weeks of gestation.

Source: Birth Certificate Database, WA State Department of Health Center for Health Statistics. Trend years: 1992-94 to 2007-09.

	1992-94	2007-09	TREND
<b>WA STATE</b>	8.5%	10.3%	
<b>KITSAP COUNTY</b>	7.5%	9.6%	--
<b>KITSAP COMPARED TO WA</b>	lower	--	

**KITSAP BIRTHS BY SUBGROUP: 2007-2009**



- 9.0% age <25
- 9.3% age 25-34
- 12.0% age 35+
- 12.1% with less than high school education
- 5.7% on Medicaid

**SECTION E: PREGNANCY AND BIRTHS**  
**SUBSECTION 3: POSTPARTUM**

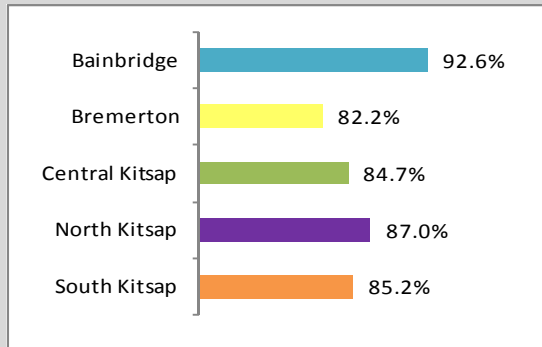
**E.3.1. BREASTFEEDING**

Infant was being breastfed prior to hospital discharge.

Source: Birth Certificate Database, WA State Department of Health Center for Health Statistics.

	<b>2007-09</b>	<b>TREND</b>
<b>WA STATE</b>	91.1%	n/a
<b>KITSAP COUNTY</b>	88.3%	n/a
<b>KITSAP COMPARED TO WA</b>	worse	

**KITSAP PREGNANT WOMEN BY SUBGROUP: 2007-2009**



- 83.2% age <25
- 85.1% age 25-34
- 85.5% age 35+
  
- 72.2% with less than high school education

**E.3.2. INFANTS PARTICIPATING IN WOMEN, INFANTS & CHILDREN (WIC) PROGRAM**

Source: WA State Department of Health. Trend years: 2003 to 2010.

	<b>2003</b>	<b>2010</b>	<b>TREND</b>
<b>WA STATE</b>	48.2%	50.0%	INCREASED
<b>KITSAP COUNTY</b>	47.9%	48.0%	--
<b>KITSAP COMPARED TO WA</b>	--		lower

**E.3.3. POSTPARTUM DEPRESSION**

Postpartum depression was assessed using the Postpartum Depression Screening Scale (PDSS).

Source: Welcome Home Baby Program, Kitsap County Health District

<b>KITSAP COUNTY 2008-2010:</b>	<b>Total</b>	<b>Low-Income</b>	<b>Not Low-Income</b>
<b>POSITIVE DEPRESSION SCREEN</b>	28.0%	28.2%	27.8%

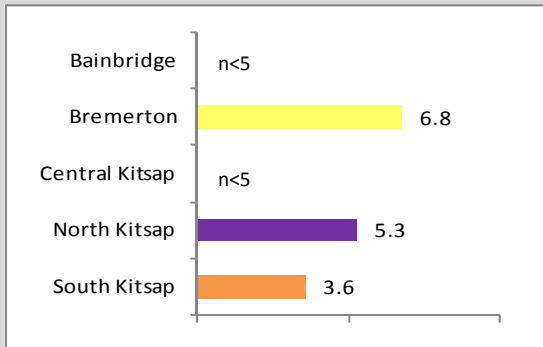
**SECTION E: PREGNANCY AND BIRTHS**  
**SUBSECTION 3: POSTPARTUM**

**E.3.4. INFANT MORTALITY RATES PER 1,000 LIVE BIRTHS**

Source: Linked Birth and Death Certificate Databases, WA State Department of Health Center for Health Statistics. Trend years: 1992-94 to 2007-09.

	1992-94	2007-09	TREND
<b>WA STATE</b>	6.4 per 1,000	5.1 per 1,000	
<b>KITSAP COUNTY</b>	5.8 per 1,000	5.4 per 1,000	--
<b>KITSAP COMPARED TO WA</b>	--	--	

**KITSAP RATES PER 1,000 LIVE BIRTHS BY SUBGROUP: 2007-2009**



**CAUSE OF DEATH (# DEATHS):**

- Sudden Infant Death Syndrome (SIDS) (13)
- Perinatal: labor & delivery conditions\* (9)
- Congenital anomalies (8)
- External causes (7)
- Prematurity (6)
- Other infection (4)
- Perinatal: maternal conditions\*\* (1)

\*includes: disorders related to long gestation or high birth weight; birth trauma; intrauterine hypoxia, birth asphyxia; congenital pneumonia; neonatal aspiration syndromes; respiratory conditions; haemorrhagic and haematological disorders.

\*\*includes: maternal conditions maybe unrelated to present pregnancy (hypertension, renal/urinary tract diseases, infections, circulatory/respiratory diseases, injury, surgical or other procedure); or affected by noxious influences transmitted via placenta or breast milk.

**E.3.5. INFANT SLEEP RELATED DEATHS (AGE 0-11 MONTHS)**

Source: Child Death Review, Kitsap County Health District

**KITSAP COUNTY 2000-2010:**

CAUSE OF INFANT DEATH:	# DEATHS
<b>SIDS</b>	32
<b>ASPHYXIA</b>	8

**FACTORS RELATED TO SLEEP DEATH (CATEGORIES NOT MUTUALLY EXCLUSIVE)**

NOT IN A CRIB/BASSINETTE	70.0%
NOT SLEEPING ON BACK	52.5%
SLEEPING WITH OTHER PEOPLE	40.0%
UNSAFE BEDDING OR TOYS	10.0%
SLEEPING WITH OBESE ADULT	7.5%
ADULT WAS ALCOHOL IMPAIRED	5.0%
ADULT WAS DRUG IMPAIRED	2.5%
CAREGIVER FELL ASLEEP WHILE FEEDING	2.5%