Delivery Statistics Report (2014 Births)
Group Health Cooperative Central Hospital

Seattle, WA King County

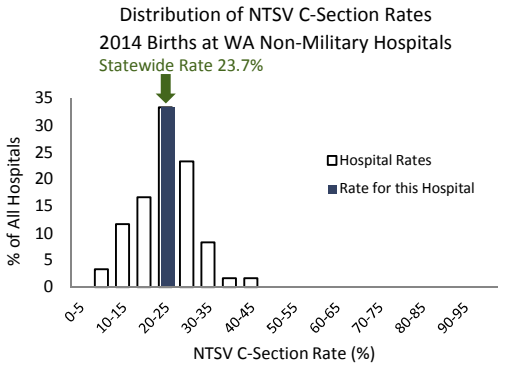
Perinatal Level of Care: Level 2

Deliveries and Medicaid Status

	2012	2013	2014	3-year TOTAL	Net Change '13 to '14
Total Deliveries	1,752	1,749	1,636	5,137	-113
Deliveries with Medicaid-paid Maternity Care	796	802	728	2,326	-74
Percent Medicaid Deliveries	45%	46%	44%	45%	-1%
Percent Medicaid for Deliveries in this County	36%	36%	36%	36%	0%

C-Sections Among Nulliparous Term Singleton Vertex (NTSV) Deliveries

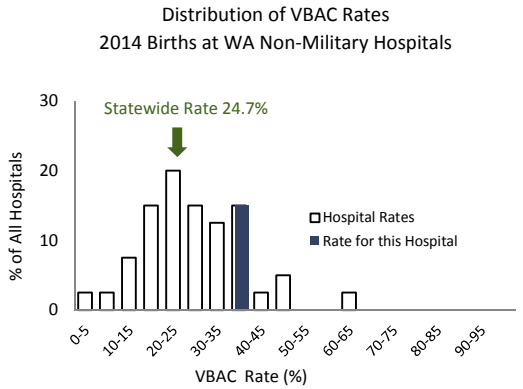
	2012	2013	2014	Net Change '13 to '14	3-year
NTSV Deliveries	735	678	639	-39	2,052
NTSV C-Section Rates					
Rate for this Hospital	22.3%	20.2%	24.1%	3.9%	22.2%
Level 2 Hospitals	23.6%	23.2%	22.5%	-0.7%	23.1%
Hospitals Statewide	25.7%	24.7%	23.7%	-1.0%	24.7%



This hospital's 2014 NTSV c-section rate of 24.1% was close to the statewide rate of 23.7% .

Vaginal Births After Cesarean (VBAC) for Term Singleton Vertex Deliveries

	2012	2013	2014	Net Change '13 to '14	3-year
Deliveries Post-C-Sec	192	203	154	-49	549
VBAC Rates					
Rate for this Hospital	44.8%	39.9%	37.7%	-2.2%	41.0%
Level 2 Hospitals	23.1%	23.7%	25.6%	1.9%	24.2%
Hospitals Statewide	22.4%	23.3%	24.7%	1.5%	23.5%

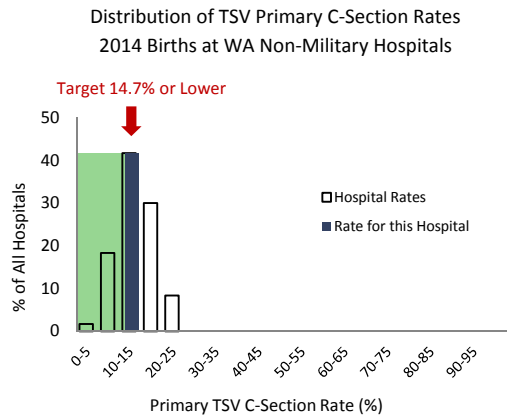


This hospital's 2014 VBAC rate of 37.7% was higher than the statewide rate of 24.7% .

Primary C-Sections Among Term Singleton Vertex (TSV) Deliveries

GOAL: decrease primary C-sections among TSV deliveries to 14.7%

	2012	2013	2014	Net Change '13 to '14	3-year
TSV Deliveries/No Prior C	1,315	1,275	1,211	-64	3,801
Primary C-Section Rates					
Rate for this Hospital	14.0%	12.8%	14.9%	2.2%	13.9%
Level 2 Hospitals	14.7%	14.2%	13.8%	-0.4%	14.2%
Hospitals Statewide	15.8%	15.1%	14.5%	-0.6%	15.1%



This hospital's 2014 Primary C-Section rate of 14.9% was close to the Results Washington statewide 2016 target of 14.7%.

For questions or comments contact Laurie Cawthon, MD, MPH (360) 902-0712 laurie.cawthon@dshs.wa.gov

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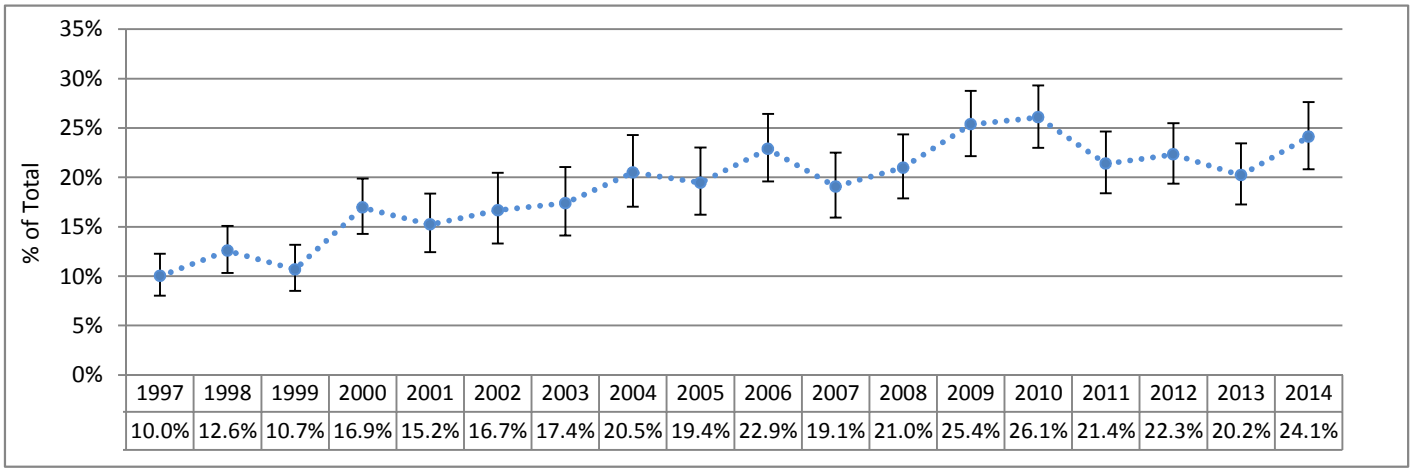
C-Sections Among Nulliparous Term Singleton Vertex (NTSV) Deliveries 1997-2014

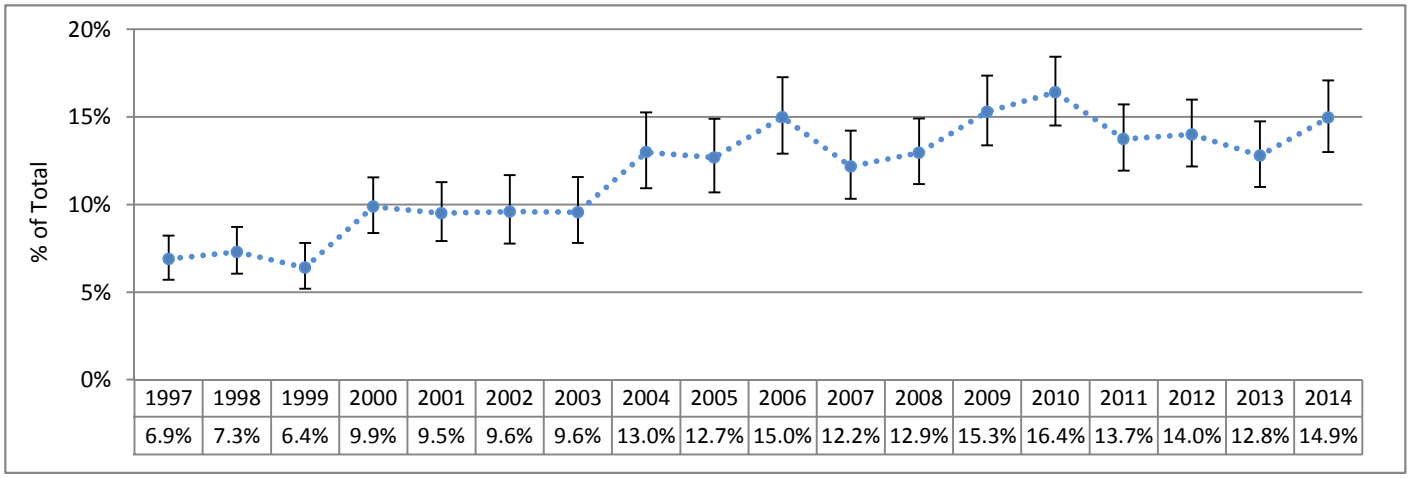
Hospital Rate with 95% Confidence Limits



1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
10.0%	12.6%	10.7%	16.9%	15.2%	16.7%	17.4%	20.5%	19.4%	22.9%	19.1%	21.0%	25.4%	26.1%	21.4%	22.3%	20.2%	24.1%

Primary C-Sections Among Term Singleton Vertex (TSV) Deliveries 1997-2014

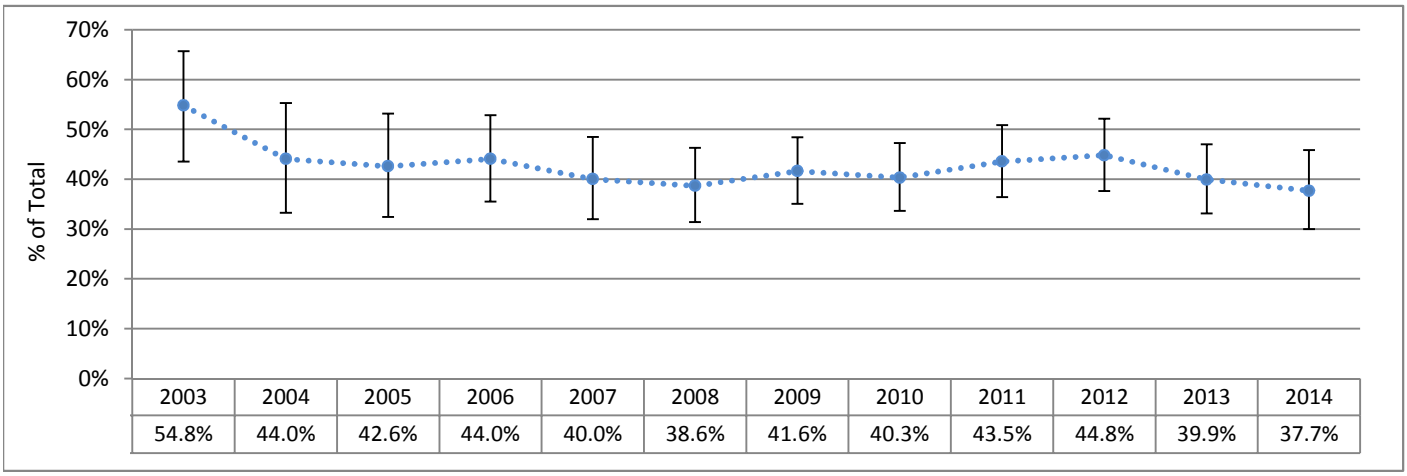
Hospital Rate with 95% Confidence Limits



1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
6.9%	7.3%	6.4%	9.9%	9.5%	9.6%	9.6%	13.0%	12.7%	15.0%	12.2%	12.9%	15.3%	16.4%	13.7%	14.0%	12.8%	14.9%

Vaginal Birth After Cesarean Among Term Singleton Vertex (TSV) Deliveries 2003-2014

Hospital Rate with 95% Confidence Limits



2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
54.8%	44.0%	42.6%	44.0%	40.0%	38.6%	41.6%	40.3%	43.5%	44.8%	39.9%	37.7%

95% Confidence Limits show the range within which a data point could reasonably be the result of random variation. Points outside of this range are considered to differ significantly from the point for which the confidence limit is calculated, since there is only a 5% chance that the difference is due to random variability.

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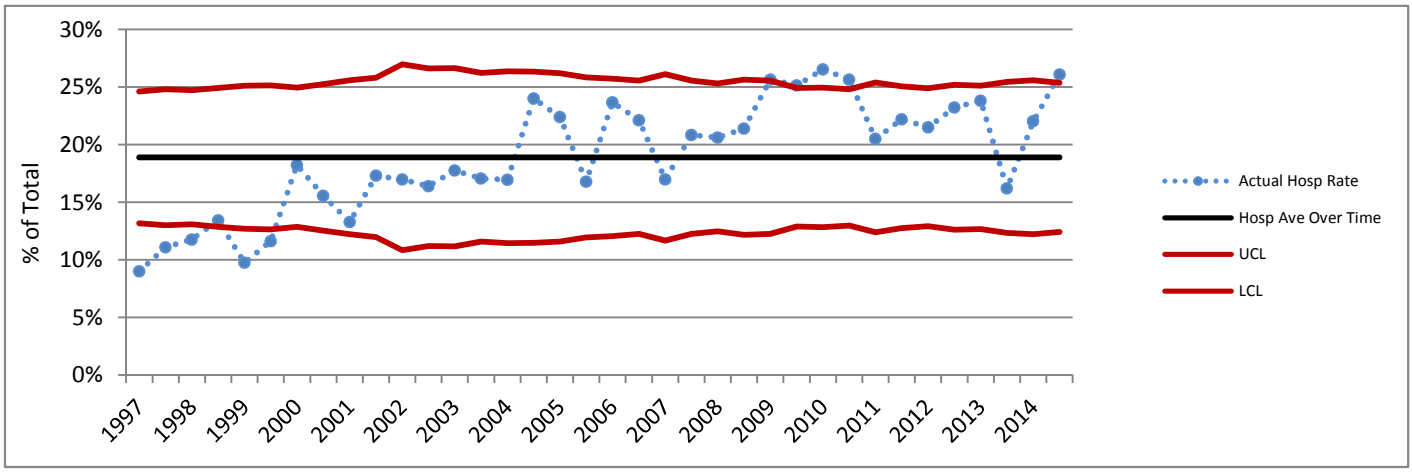
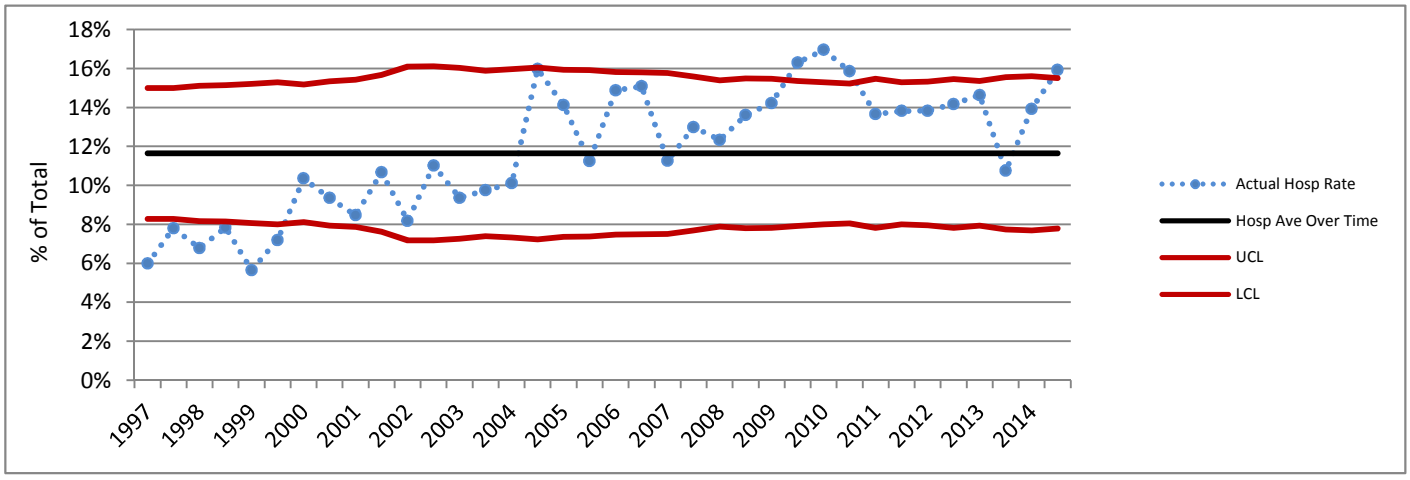
C-Sections Among Nulliparous Term Singleton Vertex (NTSV) Deliveries 1997-2014 (Six-Month Intervals)

Actual Hospital Rate Compared to Hospital Average Across Time



Primary C-Sections Among Term Singleton Vertex (TSV) Deliveries 1997-2014 (Six-Month Intervals)

Actual Hospital Rate Compared to Hospital Average Across Time



Charts based on the Hospital average over time are not presented where the Hospital number of deliveries for any six-month period did not meet the standard recommended size for upper (UCL) and lower (LCL) control lines based on 3 standard deviations. Rates above or below the red lines show a greater difference from the average than do those between the red lines.

DATA SOURCES AND DEFINITIONS: Certificates for live births and fetal deaths were provided by the DOH Center for Health Statistics and included in the First Steps Database. Medicaid status was determined by individual-level linkage to Medicaid claims and eligibility performed by the First Steps Database. **2014 birth data are preliminary**. Years refer to calendar years.
Excludes births in military facilities or facilities that do not typically perform deliveries. C-Section measures exclude cases where mother was transferred to higher level care for maternal medical or fetal indicators for delivery, or hospital births where intended place of birth was other than hospital.
Perinatal Level of Care designation is as of 2014 for all years shown. **Total Deliveries** includes live births and fetal deaths after 20 weeks' gestation. **Medicaid** refers to births to women who received Medicaid-paid maternity care. **C-Sections (NTSV)** is the percent of Cesarean sections among nulliparous, term, singleton, liveborn, vertex deliveries. **Term** is defined as gestational age of at least 37 completed weeks. **Vaginal Births After Cesarean (VBAC)** is the percent of vaginal births among live births to appropriate candidates. Women whose pregnancies were at term, had a single fetus with vertex presentation, and who had one prior C-section were considered **appropriate candidates for VBAC**. Number of prior C-sections is determined by Birth Certificate number reported and by longitudinal linkage. **Chart** comparison VBAC Rates are limited to hospitals that offer planned vaginal birth delivery after a prior Cesarean section (VBAC). **Primary C-Sections** is the percent of Cesarean sections among term, singleton, liveborn, vertex deliveries to women with no prior C-sections. The **Primary TSV C-Section Target** for Washington State is based on Results Washington (see www.results.wa.gov).