

<b>Appendix 4.1 Measuring Progress toward disparity elimination for Washington-only population</b>											
<b>Selected Characteristic: infant mortality (lower number = better)</b>											
<b>Ri/Rg= rate for group in question; Rr/Rb= Best group rate</b>	<b>Baseline (2005-March 2007)</b>			<b>Compared to Recession Period #1 (NEBR period: December 2007-June 2009)</b>			<b>Changes in Disparity from baseline to most recent (percentage points) (baseline-period #1)</b>	<b>Compared to Recession Period #2 (Recession period #2: January 2010-December 2011)</b>			<b>Changes in Disparity from baseline to most recent (percentage points) (baseline to period #2)</b>
**Note-- indicated n's are for total number of individuals in group-- n is denominator for % outcome	<b>Baseline Rate (Jan 2005-March 2007) (a)</b>	Simple difference from 'best' (Ri-Rr) (use to ID best rate)	<b>Percent difference from 'best' (Ri-Rr)/Rr*100 (color gradient)</b>	<b>Rate during recession period #1</b>	Simple difference from 'best' (baseline - Period #1) (Ri-Rr) (use to ID best rate)	<b>Percent difference from 'best' (period #1) (Ri-Rr)/Rr*100 (color gradient)</b>	<b>Percent difference at period #1 - percent difference at baseline (absolute change) (increase = increase in disparity; decrease = decrease in disparity) (arrows)</b>	<b>Rate during recession period #2</b>	Simple difference from 'best' (baseline - period #2) (Ri-Rr) (use to ID best rate)	<b>Percent difference from 'best' (period #2) (Ri-Rr)/Rr*100 (color gradient)</b>	<b>Percent difference at period 2 - percent difference at baseline (absolute change) (increase = increase in disparity; decrease = decrease in disparity) (arrows)</b>
<b>Total</b>											
<b>Mothers Race</b>											
White only (1) (n=196,720)	4.00	1.30	48.15	4.30	1.80	72.00	23.85	4.10	1.60	64.00	15.85
Black or African American only (2) (n=9603) (small n's during NEBR period =15)	7.80	5.10	188.89	6.70	4.20	168.00	-20.89	7.20	4.70	188.00	-0.89
American Indian and Alaska Native only (3) (n=3,954) small n's here-- 13 deaths in baseline period; 13 in per 1, 9 in per 2)	10.70	8.00	296.30	6.40	3.90	156.00	-140.30	8.10	5.60	224.00	-72.30

Asian only (4) (n=23,745) (on the edge of small n's here-- baseline = 19, per 1=21, per 2=18)	2.70	N/A	N/A	2.50	N/A	N/A	N/A	2.50	N/A	N/A	N/A
Native Hawaiian and other Pacific Islander only (5) (n=2,095) (small n's here-- 5 in baseline, 8 in per 1, 5 in per 3)	8.80	6.10	225.93	7.40	4.90	196.00	-29.93	8.00	5.50	220.00	-5.93
Two or more races (6) (n=9367) (on the edge of small n's here: baseline =19, per 1 =15, per 3=24)	7.60	4.90	181.48	3.10	0.60	24.00	-157.48	8.20	5.70	228.00	46.52
race_mat1 Missing Race Info (9) (n=2906) (small n's here--7 in baseline, 13 in per 1, 11 in per 2)	11.10	8.40	311.11	6.60	4.10	164.00	-147.11	11.20	8.70	348.00	36.89
<b>Mother's Ethnicity</b>											
non-Hispanic White (1) (n=162,125)	3.80	N/A	N/A	4.20	N/A	N/A	N/A	3.90	N/A	N/A	N/A
Hispanic White (2) (n=34,408)	4.80	1.00	26.32	5.10	0.90	21.43	-4.89	5.30	1.40	35.90	9.58
non-Hispanic Black (3) (n=9,244)	7.80	4.00	105.26	7.00	2.80	66.67	-38.60	7.50	3.60	92.31	-12.96

Hispanic Black (4) (n=339) (not calculable-- only one death during entire time period)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cuban (5) (232) (not calculable-- only one death during entire time period)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ethnicity missing (.) (n=42,042)	5.30	1.50	39.47	4.10	-0.10	-2.38	-41.85	5.20	1.30	33.33	-6.14	
<b>Infant Gender</b>												
Female (1) (n=120,922)	3.90	N/A	N/A	3.70	N/A	N/A	N/A	4.10	N/A	N/A	N/A	
Male (2) (n=127,468)	4.70	0.80	20.51	5.10	1.40	37.84	17.33	4.70	0.60	14.63	-5.88	
<b>Mother's Education Level (aged 20 years and over)</b>												
Less than HS (less than 12 yrs schooling OR no HS diploma) (1) (n=13,693)	5.10	1.00	24.39	6.30	2.00	46.51	22.12	7.20	3.00	71.43	47.04	
HS Graduate (12 yrs schooling, OR HS diploma OR GED) (2) (n=37,104)	5.30	1.20	29.27	4.40	0.10	2.33	-26.94	4.80	0.60	14.29	-14.98	
At least some college (HS diploma OR GED OR 13 or more years of schooling) (3) (n=56,658)	4.10	N/A	N/A	4.30	N/A	N/A	N/A	4.20	N/A	N/A	N/A	
<b>Geographic Location (CBSA)</b>												

Metropolitan (1) (n=220,022)	4.20	0.70	20.00	4.30	1.10	34.38	14.38	4.40	0.70	18.92	-1.08
Micropolitan (2) (n=18,665) (small n during period #2=18; and nebr n=14)	3.50	N/A	N/A	3.20	N/A	N/A	N/A	3.70	N/A	N/A	N/A
Rural (3) (n=6327) (small n's baseline=12, per 1=18, per 2=7)	5.90	2.40	68.57	8.60	5.40	168.75	100.18	4.00	0.30	8.11	-60.46
Missing CBSA (. ) (n=3,376) (small n's for all pers: 17, 16, 9)	16.00	12.50	357.14	11.20	8.00	250.00	-107.14	9.70	6.00	162.16	-194.98
<b>Health Insurance Status</b>											
Medicaid (1) (n=85,535)	6.20	3.80	158.33	5.90	3.00	103.45	-54.89	5.60	1.90	51.35	-106.98
Private Insurance (2) (n=128,291)	2.40	N/A	N/A	2.90	N/A	N/A	N/A	3.70	N/A	N/A	N/A
No Insurance/Self Pay (3) (n=2,458) (small n's for all periods; small n nebr=8)	9.80	7.40	308.33	14.30	11.40	393.10	84.77	8.80	5.10	137.84	-170.50
Public Insurance (all) (8) **currently except medicaid (n=25,436)	5.30	2.90	120.83	4.50	1.60	55.17	-65.66	3.70	N/A	N/A	N/A

Unknown (9) (small n's in recess per 2, n=6; and nebr (n=15)) (n=5908) (small n 15 for nebr)	8.20	5.80	241.67	16.70	13.80	475.86	234.20	6.40	2.70	72.97	-168.69
<b>Specific Maternal Age Groups</b>											
<age 14 (1) (n=482) (small n's in this population)	11.00	7.80	243.75	9.10	6.20	213.79	-29.96	0.00	-3.20	-100.00	-343.75
Teen Birth (<20 years; 15-19)** (n=38,709) (2)	7.70	4.60	148.39	7.80	4.90	168.97	20.58	6.20	3.00	93.75	-54.64
20-24 (3) (n=73,000)	4.20	1.10	35.48	4.40	1.50	51.72	16.24	4.90	1.70	53.13	17.64
25-29 (4) (n=67,162)	3.10	N/A	N/A	3.70	0.80	27.59	N/A	3.20	N/A	N/A	N/A
30-34 (5) (n=45,491)	3.20	0.10	3.23	2.90	N/A	N/A	N/A	4.40	1.20	37.50	34.27
35-39 (6) (n=19,319)	3.40	0.30	9.68	3.10	0.20	6.90	-2.78	3.80	0.60	18.75	9.07
40+ (7) (n=4,127) (small n's in all periods)	7.80	4.70	151.61	3.30	0.40	13.79	-137.82	6.00	2.80	87.50	-64.11
<b>Marital Status of Mother**</b>											
Unmarried (mother) (n=150,244)	6.10	3.10	103.33	5.60	2.10	60.00	-43.33	5.60	2.00	55.56	-47.78
Married (mother)** (n=97,458)	3.00	N/A	N/A	3.50	N/A	N/A	N/A	3.60	N/A	N/A	N/A
<b>WIC</b>											
WIC (0=no) (n=139,466)	3.50	N/A	N/A	4.00	N/A	N/A	N/A	4.20	N/A	N/A	N/A
WIC (1=yes)** (n=85,712)	4.60	1.10	31.43	4.30	0.30	7.50	-23.93	5.10	0.90	21.43	-10.00
<b>Foreign Born Mother?</b>											

Mother NOT Foreign Born (0=no) (n=210,942)	4.50	1.30	40.63	4.70	2.00	74.07	33.45	4.70	1.50	46.88	6.25
Mother Foreign Born (1=yes)** (n=37,448)	3.20	N/A	N/A	2.70	N/A	N/A	N/A	3.20	N/A	N/A	N/A
<b>Community Poverty</b>											
Top 1/3 poorest LHDs (PHAST_poor) (1) (n= 25,641)	5.90	2.00	51.28	6.50	2.50	62.50	11.22	4.30	N/A	N/A	N/A
Bottom 2/3 Non-poor LHDs (PHAST_poor) (n= 219,373) (2)	3.90	N/A	N/A	4.00	N/A	N/A	N/A	4.40	0.10	2.33	N/A
<b>Adequacy of Prenatal Care</b>											
Missing Information PNC (0) (n=28,259)	8.40	5.90	236.00	9.70	7.20	288.00	52.00	9.20	6.80	283.33	47.33
Inadequate (1) (n=29,897)	4.50	2.00	80.00	4.20	1.70	68.00	-12.00	3.00	0.60	25.00	-55.00
Intermediate (2) (n=43,944)	3.00	0.50	20.00	3.30	0.80	32.00	12.00	4.70	2.30	95.83	75.83
Adequate (3) (n=100,002)	2.50	N/A	N/A	2.50	N/A	N/A	N/A	2.40	N/A	N/A	N/A
Adequate Plus (4) (n=46,288)	6.10	3.60	144.00	6.80	4.30	172.00	28.00	7.00	4.60	191.67	47.67
Not Adequate or Adequate Plus (n=73,841) (note: THIS IS THE NEW VERSION early_adPNC)	3.60	1.10	44.00	3.70	1.20	48.00	4.00	4.00	1.60	66.67	22.67
<b>Health Behaviors</b>											

Maternal Smoking- no smoking (1) (n=214,940)	3.70	N/A	N/A	4.00	N/A	N/A	N/A	4.20	N/A	N/A	N/A
Maternal light smoking (2) (n=25,385)	6.40	2.70	72.97	6.70	2.70	67.50	-5.47	5.30	1.10	26.19	-46.78
Maternal heavy smoking (3) (n=6,476) (small n' for period #2 and nebr period)	11.30	7.60	205.41	11.00	7.00	175.00	-30.41	9.80	5.60	133.33	-72.07

<b>Appendix 4.2 Measuring Progress toward disparity elimination for Washington-only population</b>											
<b>Selected Characteristic: Late/no prenatal care (after 1st trimester) (best # = lowest number in group--want the number to decrease)</b>											
<b>Ri/Rg= rate for group in question; Rr/Rb= Best group rate</b>	<b>Baseline (2005-March 2007)</b>			<b>Compared to Recession Period #1 (NEBR period: December 2007-June 2009)</b>			<b>Changes in Disparity from baseline to most recent (percentage points) (baseline-period 1)</b>	<b>Compared to Recession Period #2 (Recession period #2: January 2010-December 2011)</b>			<b>Changes in Disparity from baseline to most recent (percentage points) (baseline to period #2)</b>
<b>**Note-- indicated n's are for total number of individuals in group-- n is denominator for % outcome</b>	<b>Baseline Rate (Jan 2005-March 2007) (a)</b>	<b>Simple difference from 'best' (Ri-Rr) (use to ID best rate)</b>	<b>Percent difference from 'best' (Ri-Rr)/Rr*100 (color gradient)</b>	<b>Rate during recession period #1</b>	<b>Simple difference from 'best' (baseline - period #1) (Ri-Rr) (use to ID best rate)</b>	<b>Percent difference from 'best' (baseline - period #1) (Ri-Rr)/Rr*100 (color gradient)</b>	<b>Percent difference at period #1 - percent difference at baseline (absolute change) (increase = increase in disparity; decrease = decrease in disparity) (arrows)</b>	<b>Rate during recession period #2</b>	<b>Simple difference from 'best' (baseline - period #2) (Ri-Rr) (use to ID best rate)</b>	<b>Percent difference from 'best' (baseline - period #2) (Ri-Rr)/Rr*100 (color gradient)</b>	<b>Percent difference at period 2 - percent difference at baseline (absolute change) (increase = increase in disparity; decrease = decrease in disparity) (arrows)</b>
<b>Total</b>											
<b>Mothers Race</b>											
White only (1) (n=196,720)	17.54	2.47	16.39	19.37	0.81	4.36	-12.03	17.00	0.55	3.34	-13.05
Black or African American only (2) (n=9,603)	20.67	5.60	37.16	28.04	9.48	51.08	13.92	24.27	7.82	47.54	10.38
American Indian and Alaska Native only (3) (n=3,954)	29.79	14.72	97.68	31.26	12.70	68.43	-29.25	26.47	10.02	60.91	-36.77
Asian only (4) (n=23,745)	15.07	N/A	N/A	18.56	N/A	N/A	N/A	16.45	N/A	N/A	N/A
Native Hawaiian and other Pacific Islander only (5) (n=2,095)	39.15	24.08	159.79	41.59	23.03	124.08	-35.70	39.97	23.52	142.98	-16.81
Two or more races (6) (n=9,367)	20.47	5.40	35.83	24.45	5.89	31.73	-4.10	20.59	4.14	25.17	-10.67

race_matl Missing Race Info (9) (n=2906)	27.39	12.32	81.75	37.22	18.66	100.54	18.79	20.92	4.47	27.17	-54.58
<b>Mother's Ethnicity</b>											
non-Hispanic White (1) (n=162,125)	15.31	N/A	N/A	17.41	N/A	N/A	N/A	15.45	N/A	N/A	N/A
Hispanic White (2) (n=34,408)	27.77	12.46	81.38	28.44	11.03	63.35	-18.03	24.81	9.36	60.58	-20.80
non-Hispanic Black (3) (n=9,244)	20.91	5.60	36.58	28.44	11.03	63.35	26.78	24.58	9.13	59.09	22.52
Hispanic Black (4) (n=334) (small n's, baseline =16, per 1=28, per 2=18)	15.38	0.07	0.46	17.91	0.50	2.87	2.41	16.98	1.53	9.90	9.45
Cuban (5) (232) (small n's: baseline =13, per 1=24, per 2=5)	20.63	5.32	34.75	18.03	0.62	3.56	-31.19	7.46	-7.99	-51.72	-86.46
ethnicity missing (.) (n=42,042)	19.50	4.19	27.37	23.74	6.33	36.36	8.99	19.79	4.34	28.09	0.72
<b>Infant Gender</b>											
Female (1) (n=120,922)	17.95	N/A	N/A	20.42	N/A	N/A	N/A	17.85	0.11	0.62	N/A
Male (2) (n=127,468)	17.98	0.03	0.17	20.49	0.07	0.34	0.18	17.74	N/A	N/A	N/A
<b>Mother's Education Level (aged 20 years and over)</b>											
Less than HS (less than 12 yrs schooling OR no HS diploma) (1)	27.78	10.93	64.87	31.26	11.88	61.30	-3.57	25.47	8.71	51.97	-12.90

HS Graduate (12 yrs schooling, OR HS diploma OR GED) (2) (n=37,104)	19.98	3.13	18.58	22.09	2.71	13.98	-4.59	20.81	4.05	24.16	5.59
At least some college (HS diploma OR GED OR 13 or more years of schooling) (3) (n=197,593)	16.85	N/A	N/A	19.38	N/A	N/A	N/A	16.76	N/A	N/A	N/A
<b>Geographic Location (CBSA)</b>											
Metropolitan (1) (n=220,022)	17.51	N/A	N/A	20.45	N/A	N/A	N/A	17.64	N/A	N/A	N/A
Micropolitan (2) (n=18,665)	22.00	4.49	25.64	20.01	-0.44	-2.15	-27.79	18.02	0.38	2.15	-23.49
Rural (3) (n=6,327)	20.77	3.26	14.82	22.51	2.06	10.07	-4.74	20.34	2.70	15.31	0.49
Missing CBSA (. ) (n=3,376)	17.98	0.47	2.68	19.75	-0.70	-3.42	-6.11	22.62	4.98	28.23	25.55
<b>Health Insurance Status</b>											
Medicaid (1) (n=85,535)	28.40	18.00	173.08	31.63	18.66	143.87	-29.21	26.21	14.71	127.91	-45.16
Private Insurance (2) (n=128,291)	10.40	N/A	N/A	12.97	N/A	N/A	N/A	11.50	N/A	N/A	N/A
No Insurance/Self Pay (3) (n=2,458)	33.95	23.55	226.44	39.11	26.14	201.54	-24.90	29.16	17.66	153.57	-72.88
Public Insurance (all) (8) **currently except medicaid (n=25,436)	19.26	8.86	85.19	20.75	7.78	59.98	-25.21	20.60	9.10	79.13	-6.06

Unknown (9) (n=5908)	14.31	3.91	37.60	18.31	5.34	41.17	3.58	17.68	6.18	53.74	16.14
<b>Specific Maternal Age Groups</b>											
<age 14 (1) (n=482)	51.10	41.84	451.84	57.27	45.99	407.71	-44.12	49.04	37.63	329.80	-122.04
Teen Birth (<20 years; 15-19)** (n=38,709) (2)	32.46	23.20	250.54	34.28	23.00	203.90	-46.64	29.24	17.83	156.27	-94.27
20-24 (3) (n=73,000)	22.28	13.02	140.60	25.28	14.00	124.11	-16.49	22.32	10.91	95.62	-44.99
25-29 (4) (n=67,162)	12.44	3.18	34.34	15.01	3.73	33.07	-1.27	14.03	2.62	22.96	-11.38
30-34 (5) (n=45,491)	9.42	0.16	1.73	11.28	N/A	N/A	N/A	11.56	0.15	1.31	-0.41
35-39 (6) (n=19,319)	9.26	N/A	N/A	11.66	0.38	3.37	N/A	11.41	N/A	N/A	N/A
40+ (7) (n=4,127)	9.88	0.62	6.70	15.22	3.94	34.93	28.23	14.35	2.94	25.77	19.07
<b>Marital Status of Mother**</b>											
Unmarried (mother) (n=97,458)	27.44	15.37	127.34	29.32	14.99	104.61	-22.73	24.77	11.51	86.80	-40.54
Married (mother)** (n=150,244)	12.07	N/A	N/A	14.33	N/A	N/A	N/A	13.26	N/A	N/A	N/A
Unknown Marital Status (mother) (n=688)	29.51	17.44	144.49		-14.33	-100.00	-244.49	24.26	11.00	82.96	-61.53
<b>WIC</b>											
WIC (0=no) (n=139,466)	12.96	N/A	N/A	15.04	N/A	N/A	N/A	13.74	N/A	N/A	N/A
WIC (1=yes)** (n=85,712)	26.23	13.27	102.39	28.78	13.74	91.36	-11.04	24.15	10.41	75.76	-26.63
<b>Foreign Born Mother?</b>											
Mother NOT Foreign Born (0=no) (n=210,942)	17.96	N/A	N/A	20.11	N/A	N/A	N/A	17.33	N/A	N/A	N/A

Mother Foreign Born (1=yes)** (n=37,448)	18.03	0.07	0.39	22.37	2.26	11.24	10.85	20.31	2.98	0.40	0.01
<b>Community Poverty</b>											
Top 1/3 poorest LHDs (PHAST_poor) (1) (n=25,641)	22.49	5.08	29.18	20.65	0.20	0.98	-28.20	17.33	-0.45	-2.53	-31.71
Bottom 2/3 Non-poor LHDs (PHAST_poor))	17.41	N/A	N/A	20.45	N/A	N/A	N/A	17.78	N/A	N/A	N/A
<b>Health Behaviors</b>											
Maternal Smoking--no smoking (1) (n=214,940)	17.36	N/A	N/A	19.72	N/A	N/A	N/A	17.32	N/A	N/A	N/A
Maternal light smoking (2) (n=25,385)	22.76	5.40	31.11	25.38	5.66	28.70	-2.40	21.61	4.29	24.77	-6.34
Maternal heavy smoking (3) (n=6,476)	18.52	1.16	6.68	26.18	6.46	32.76	26.08	21.87	4.55	26.27	19.59

<b>Appendix 4.3 Measuring Progress toward disparity elimination for Washington-only population</b>											
<b>Selected Characteristic: Inadequat and Intermediate PNC (calculated using kotelchuck index) (best number = lowest number in group)</b>											
<b>Ri/Rg= rate for group in question; Rr/Rb= Best group rate</b>	<b>Baseline (2005-March 2007)</b>			<b>Compared to Recession Period #1 (period #1: December 2007-June 2009)</b>			<b>Changes in Disparity from baseline to most recent (percentage points) (baseline-period 1)</b>	<b>Compared to Recession Period #2 (Recession period #2: January 2010-December 2011)</b>			<b>Changes in Disparity from baseline to most recent (percentage points) (baseline to period #2)</b>
**Note-- indicated n's are for total number of individuals in group (regardless of whether or positive for outcome characteristic)-- n is denominator for % outcome	<b>Baseline Rate (Jan 2005-March 2007) (a)</b>	<b>Simple difference from 'best' (Ri-Rr) (use to ID best rate)</b>	<b>Percent difference from 'best' (Ri-Rr)/Rr*100 (color gradient)</b>	<b>Rate during recession period #1</b>	<b>Simple difference from 'best' (baseline - period #1) (Ri-Rr) (use to ID best rate)</b>	<b>Percent difference from 'best' (baseline - period #1) (Ri-Rr)/Rr*100 (color gradient)</b>	<b>Percent difference at period #1 - percent difference at baseline (absolute change) (increase = increase in disparity; decrease = decrease in disparity) (arrows)</b>	<b>Rate during recession period #2</b>	<b>Simple difference from 'best' (baseline - period #2) (Ri-Rr) (use to ID best rate)</b>	<b>Percent difference from 'best' (baseline - period #2) (Ri-Rr)/Rr*100 (color gradient)</b>	<b>Percent difference at period 2 - percent difference at baseline (absolute change) (increase = increase in disparity; decrease = decrease in disparity) (arrows)</b>
<b>Total</b>											
<b>Mothers Race</b>											
White only (1) (n=176,120)	33.36	1.17	3.63	34.82	N/A	N/A	N/A	30.00	1.80	6.38	-2.75
Black or African American only (2) (n=8,151)	40.66	8.47	26.31	43.41	8.59	24.67	-1.64	37.83	9.63	34.15	7.84
American Indian and Alaska Native only (3) (n=3,539)	41.18	8.99	27.93	43.62	8.80	25.27	-2.66	37.41	9.21	32.66	4.73
Asian only (4) (n=19,673)	32.19	N/A	N/A	35.10	0.28	0.80	n/c	28.20	N/A	N/A	N/A
Native Hawaiian and other Pacific Islander only (5) (n=1,879)	55.12	22.93	71.23	54.03	19.21	55.17	-16.06	52.01	23.81	84.43	13.20
Two or more races (6) (n=8,395)	37.01	4.82	14.97	40.27	5.45	15.65	0.68	33.88	5.68	20.14	5.17
race_mat1 Missing Race Info (9) (n=2,374)	46.96	14.77	45.88	53.59	18.77	53.91	8.02	34.26	6.06	21.49	-24.39
<b>Mother's Ethnicity</b>											
non-Hispanic White (1) (n=145,179)	31.07	N/A	N/A	32.84	N/A	N/A	N/A	28.37	N/A	N/A	N/A

Hispanic White (2) (n=30,778)	43.93	12.86	41.39	43.89	11.05	33.65	-7.74	38.15	9.78	34.47	-6.92
non-Hispanic Black (3) (n=7,848)	40.53	9.46	30.45	43.57	10.73	32.67	2.23	37.87	9.50	33.49	3.04
Hispanic Black (4) (n=285)	45.45	14.38	46.28	41.82	8.98	27.34	-18.94	38.14	9.77	34.44	-11.84
Cuban (5) (37,429) (small n's in baseline (19), and per 2 (16))	36.54	5.47	17.61	33.33	0.49	1.49	-16.11	25.81	-2.56	-9.02	-26.63
ethnicity missing (.) (n=35,839)	36.15	5.08	16.35	39.69	6.85	20.86	4.51	32.03	3.66	12.90	-3.45
<b>Infant Gender</b>											
Female (1) (n=107,306)	34.35	0.65	1.93	36.11	0.31	0.87	-1.06	30.74	0.15	0.49	-1.44
Male (2) (n=112,825)	33.70	N/A	N/A	35.80	N/A	N/A	N/A	30.59	N/A	N/A	N/A
<b>Mother's Education Level (aged 20 years and over)</b>											
Less than HS (less than 12 yrs schooling OR no HS diploma) (1) (n=11,950)	43.80	10.71	32.37	46.14	11.25	32.24	-0.12	37.40	7.71	25.97	-6.40
HS Graduate (12 yrs schooling, OR HS diploma OR GED) (2) (n=33,360)	35.10	2.01	6.07	37.68	2.79	8.00	1.92	33.67	3.98	13.41	7.33
At least some college (HS diploma OR GED OR 13 or more years of schooling) (3) (n=508,642)	33.09	N/A	N/A	34.89	N/A	N/A	N/A	29.69	N/A	N/A	N/A
<b>Geographic Location (CBSA)</b>											
Metropolitan (1) (n=193,001)	33.82	N/A	N/A	36.02	4.45	14.10	n/c	30.98	4.32	16.20	n/c
Micropolitan (2) (n=17,974)	35.09	1.27	3.76	36.81	5.24	16.60	12.84	26.66	N/A	N/A	N/A
Rural (3) (n=6,074)	36.85	3.03	8.96	31.57	N/A	N/A	N/A	30.00	3.34	12.53	3.57
<b>Health Insurance Status</b>											
Medicaid (1) (n=76,694)	40.75	13.45	49.27	43.26	14.39	49.84	0.58	35.95	11.35	46.14	-3.13
Private Insurance (2) (n=112,898)	27.30	N/A	N/A	28.87	N/A	N/A	N/A	24.60	N/A	N/A	N/A

No Insurance/Self Pay (3) (n=2,257)	45.77	18.47	67.66	51.63	22.76	78.84	11.18	35.41	10.81	43.94	-23.71
Public Insurance (all) (8) **currently except medicaid (n=24,202)	42.36	15.06	55.16	45.29	16.42	56.88	1.71	42.04	17.44	70.89	15.73
Unknown (9) (n=3,622)	29.98	2.68	9.82	39.88	11.01	38.14	28.32	42.50	17.90	72.76	62.95
<b>Specific Maternal Age Groups</b>											
<age 14 (1) (n=427)	60.13	36.15	150.75	65.66	39.92	155.09	4.34	45.36	22.93	102.23	-48.52
Teen Birth (<20 years; 15-19)** (n=35,311) (2)	45.52	21.54	89.82	46.70	20.96	81.43	-8.40	40.02	17.59	78.42	-11.40
20-24 (3) (n=66,489)	37.99	14.01	58.42	40.39	14.65	56.92	-1.51	35.55	13.12	58.49	0.07
25-29 (4) (n=59,657)	29.91	5.93	24.73	32.00	6.26	24.32	-0.41	28.11	5.68	25.32	0.59
30-34 (5) (n=38,860)	26.35	2.37	9.88	27.47	1.73	6.72	-3.16	24.59	2.16	9.63	-0.25
35-39 (6) (n=15,973)	23.98	N/A	N/A	25.74	N/A	N/A	N/A	22.43	N/A	N/A	N/A
40+ (7) (n=3,357)	21.89	-2.09	-8.72	28.02	2.28	8.86	17.57	20.83	-1.60	-7.13	1.58
<b>Marital Status of Mother**</b>											
Unmarried (mother) (n=87,549)	40.72	40.72	136.83	42.15	10.65	33.81	-103.02	35.22	7.53	27.19	-109.63
Married (mother)** (n=132,083)	29.76	N/A	N/A	31.50	N/A	N/A	N/A	27.69	N/A	N/A	N/A
Unknown Marital Status (mother) (n=499)	45.24	15.48	52.02	49.59	18.09	57.43	5.41	30.69	3.00	10.83	-41.18
<b>WIC (missing n=31,208)</b>											
WIC (0=no) (n=122,222)	30.29	N/A	N/A	31.60	N/A	N/A	N/A	27.65	N/A	N/A	N/A
WIC (1=yes)** (n=78,598)	40.33	10.04	33.15	42.18	10.58	33.48	0.33	35.24	7.59	27.45	-5.70
<b>Foreign Born Mother?</b>											
Mother NOT Foreign Born (0=no) (n=188,611)	33.81	N/A	N/A	35.65	N/A	N/A	N/A	30.45	N/A	N/A	N/A

Mother Foreign Born (1=yes)** (n=31,520)	35.32	1.51	4.47	37.72	2.07	5.81	1.34	31.85	1.40	4.60	0.13
<b>Community Poverty</b>											
Top 1/3 poorest LHDs (PHAST_poor) (1) (n=23,516)	37.40	3.81	11.34	37.85	2.12	5.93	-5.41	28.39	-2.47	-8.00	-19.35
Bottom 2/3 Non-poor LHDs (PHAST_poor) (n=193,533) (2)	33.59	N/A	N/A	35.73	N/A	N/A	N/A	30.86	N/A	N/A	N/A
<b>Health Behaviors</b>											
Maternal Smoking--no smoking (1) (n=189,940)	33.69	2.21	7.02	35.50	N/A	N/A	N/A	30.23	N/A	N/A	N/A
Maternal light smoking (2) (n=23,415)	37.64	6.16	19.57	38.51	3.01	8.48	-11.09	34.16	3.93	13.00	-6.57
Maternal heavy smoking (3) (n=5,334)	31.48	N/A	N/A	40.73	5.23	14.73	N/A	34.57	4.34	14.36	N/A

<b>Appendix 4.4 Measuring Progress toward disparity elimination for Low Birth Weight for Washington-only</b>											
<b>Selected Characteristic: Low Birth Weight (low # is better)</b>											
<b>Ri/Rg= rate for group in question; Rr/Rb= Best group rate</b>	<b>Baseline (2005-March 2007)</b>			<b>Compared to Recession Period #1 (period #1: December 2007-June 2009)</b>			<b>Changes in Disparity from baseline to most recent (percentage points) (baseline-period 1)</b>	<b>Compared to Recession Period #2 (Recession period #2: January 2010-December 2011)</b>			<b>Disparity from baseline to most recent (percentage points) (baseline to period #2)</b>
**Note-- indicated n's are for total number of individuals in group (regardless of whether or positive for outcome characteristic)-- n is denominator for % outcome	<b>Baseline Rate (Jan 2005-March 2007) (a)</b>	Simple difference from 'best' (Ri-Rr) (use to ID best rate)	<b>Percent difference from 'best' (Ri-Rr)/Rr*100 (color gradient)</b>	<b>Rate during recession period #1</b>	Simple difference from 'best' (baseline period #1) (Ri-Rr) (use to ID best rate)	<b>Percent difference from 'best' (Ri-Rr)/Rr*100 (color gradient)</b>	<b>Percent difference at period #1- percent difference at baseline (absolute change) (increase = increase in disparity; decrease = decrease in disparity) (arrows)</b>	<b>Rate during recession period #2</b>	Simple difference from 'best' (baseline - period #2) (Ri-Rr) (use to ID best rate)	<b>Percent difference from 'best' (Ri-Rr)/Rr*100 (color gradient)</b>	<b>Percent difference at period 2 - percent difference at baseline (absolute change) (increase = increase in disparity; decrease = decrease in disparity) (arrows)</b>
<b>Total</b>											
<b>Mothers Race</b>											
White only (1) (n=196,720)	5.74	N/A	N/A	5.69	N/A	N/A	N/A	5.29	N/A	N/A	N/A
Black or African American only (2) (n=9,603)	10.41	4.67	81.36	10.11	4.42	77.68	-3.68	9.36	4.07	76.94	-4.42
American Indian and Alaska Native only (3) (n=3,954)	7.34	1.60	27.87	6.77	1.08	18.98	-8.89	6.32	1.03	19.47	-8.40
Asian only (4) (n=23,745)	6.90	1.16	20.21	6.85	1.16	20.39	0.18	7.06	1.77	33.46	13.25
Native Hawaiian and other Pacific Islander only (5) (n=2,547)	8.11	2.37	41.29	7.02	1.33	23.37	-17.91	6.85	1.56	29.49	-11.80
Two or more races (6) (n=9,367)	7.00	1.26	21.95	6.41	0.72	12.65	-9.30	6.80	1.51	28.54	6.59
race_mat1 Missing Race Info (9) (n=2,906)	10.03	4.29	74.74	6.82	1.13	19.86	-54.88	8.37	3.08	58.22	-16.52
<b>Mother's Ethnicity</b>											
non-Hispanic White (1) (n=162,125)	5.49	N/A	N/A	5.50	N/A	N/A	N/A	5.02	N/A	N/A	N/A
Hispanic White (2) (n=34,408)	6.88	1.39	25.32	6.56	1.06	19.27	-6.05	6.65	1.63	32.47	7.15
non-Hispanic Black (3) (n=9,244)	10.34	4.85	88.34	10.08	4.58	83.27	-5.07	9.37	4.35	86.65	-1.69

Hispanic Black (4) (n=339) (small n's: baseline 13, per 1, 14, per 1 9)	12.50	7.01	127.69	11.94	6.44	117.09	-10.60	8.49	3.47	69.12	-58.56
Cuban (5) (232)	6.35	0.86	15.66	8.20	2.70	49.09	33.43	11.94	6.92	137.85	122.18
ethnicity missing (.) (n=42,042)	7.19	1.70	30.97	6.75	1.25	22.73	-8.24	7.02	2.00	39.84	8.88
<b>Infant Gender</b>											
Female (1) (n=120,922)	6.31	0.34	5.70	6.43	0.77	13.60	7.91	6.18	0.80	14.87	9.17
Male (2) (n=127,468)	5.97	N/A	N/A	5.66	N/A	N/A	N/A	5.38	N/A	N/A	N/A
<b>Mother's Education Level (aged 20 years and over)</b>											
Less than HS (less than 12 yrs schooling OR no HS diploma) (1) (n=13,693)	7.03	1.09	18.35	8.00	2.09	35.36	17.01	7.88	2.36	42.75	24.40
HS Graduate (12 yrs schooling, OR HS diploma OR GED) (2) (n=37,104)	6.81	0.87	14.65	6.01	0.10	1.69	-12.95	6.44	0.92	16.67	2.02
At least some college (HS diploma OR GED OR 13 or more years of schooling) (3) (n=197,593)	5.94	N/A	N/A	5.91	N/A	N/A	N/A	5.52	N/A	N/A	N/A
Maternal information missing (.) (n=176,075)	n/a	N/A	N/A	n/a	N/A	N/A	N/A	n/a	n/a	n/a	n/a
<b>Geographic Location (CBSA)</b>											
Metropolitan (1) (n=220,022)	6.07	0.48	8.59	5.92	0.33	5.90	-2.68	5.62	N/A	N/A	N/A
Micropolitan (2) (n=18,665)	5.59	N/A	N/A	5.59	N/A	N/A	N/A	5.99	0.37	6.58	N/A
Rural (3) (n=6,327)	6.40	0.81	14.49	6.81	1.22	21.82	7.33	6.55	0.93	16.55	2.06
Missing CBSA (.) (n=3,376)	13.18	7.59	135.78	14.78	9.19	164.40	28.62	13.31	7.69	136.83	1.05
<b>Health Insurance Status</b>											
Medicaid (1) (n=85,535)	6.50	1.42	27.95	6.48	1.26	24.14	-3.81	6.94	2.06	42.21	14.26
Private Insurance (2) (n=128,291)	5.08	N/A	N/A	5.22	N/A	N/A	N/A	5.13	0.25	5.12	n/c
No Insurance/Self Pay (3) (n=2,458)	6.89	1.81	35.63	8.75	3.53	67.62	31.99	6.48	1.60	32.79	-2.84

Public Insurance (all) (8) **currently except medicaid (n=25,436)	6.25	1.17	22.41	5.54	0.32	6.13	-16.28	4.88	N/A	N/A	N/A
Unknown (9) (n=5,908)	8.60	3.52	69.29	7.99	2.77	53.07	-16.23	7.03	2.15	44.06	-25.23
<b>Specific Maternal Age Groups</b>											
<age 14 (1) (n=482) (small n's: baseline=11, per 1=19, per 2=12)	6.04	0.63	11.65	10.00	4.74	90.11	78.47	11.54	6.64	135.51	123.87
Teen Birth (<20 years; 15-19)** (n=38,709) (2)	7.14	1.73	31.98	6.87	1.61	30.61	-1.37	6.78	1.88	38.37	6.39
20-24 (3) (n=73,000)	5.99	0.58	10.72	5.96	0.70	13.31	2.59	5.87	0.97	19.80	9.08
25-29 (4) (n=67,162)	5.41	N/A	N/A	5.26	N/A	N/A	N/A	4.90	N/A	N/A	N/A
30-34 (5) (n=45,491)	5.98	0.57	10.54	5.86	0.60	11.41	0.87	5.61	0.71	14.49	3.95
35-39 (6) (n=19,319)	6.86	1.45	26.80	6.99	1.73	32.89	6.09	6.52	1.62	33.06	6.26
40+ (7) (n=4,127)	8.15	2.74	50.65	8.32	3.06	58.17	7.53	8.31	3.41	69.59	18.94
<b>Marital Status of Mother**</b>											
Unmarried (mother) (n=97,458)	6.87	1.22	21.59	6.87	1.43	26.29	4.69	6.71	1.57	30.54	8.95
Married (mother)** (n=150,244)	5.65	N/A	N/A	5.44	N/A	N/A	N/A	5.14	N/A	N/A	N/A
Unknown Marital Status (mother) (n=688) (small n's for per 2 = 16)	13.11	7.46	132.04	12.88	7.44	136.76	4.73	11.76	6.62	128.79	-3.24
<b>WIC</b>											
WIC (0=no) (n=139,466)	6.12	0.20	3.38	5.95	N/A	N/A	N/A	5.37	N/A	N/A	N/A
WIC (1=yes)** (n=85,712)	5.92	N/A	N/A	6.01	0.06	1.01	N/A	6.46	1.09	20.30	N/A
<b>Foreign Born Mother?</b>											
Mother NOT Foreign Born (0=no) (n=210,942)	6.17	0.24	4.05	6.00	N/A	N/A	N/A	5.66	N/A	N/A	N/A
Mother Foreign Born (1=yes)** (n=37,448)	5.93	N/A	N/A	6.24	0.24	4.00	n/c	6.40	0.74	13.07	n/c
<b>Community Poverty</b>											

Top 1/3 poorest LHDs (PHAST_poor) (1) (n=25,641)	6.91	0.98	16.53	6.42	0.56	9.56	-6.97	6.80	1.25	22.52	6.00
Bottom 2/3 Non-poor LHDs (PHAST_poor) (n=219,373) (2)	5.93	N/A	N/A	5.86	N/A	N/A	N/A	5.55	N/A	N/A	N/A
<b>Adequacy of Prenatal Care</b>											
Missing Information PNC (0) (n=28,259)	10.18	6.56	181.22	10.95	7.37	205.87	24.65	10.02	6.58	191.28	10.06
Inadequate (1) (n=29,897)	5.25	1.63	45.03	5.14	1.56	43.58	-1.45	5.06	1.62	47.09	2.07
Intermediate (2) (n=43,944)	4.03	0.41	11.33	4.46	0.88	24.58	13.26	4.30	0.86	25.00	13.67
Adequate (3) (n=100,002)	3.62	N/A	N/A	3.58	N/A	N/A	N/A	3.44	N/A	N/A	N/A
Adequate Plus (4) (n=46,288)	10.88	7.26	200.55	11.05	7.47	208.66	8.11	10.24	6.80	197.67	-2.88
<b>Health Behaviors</b>											
Maternal Smoking--no smoking (1) (n=214,940)	5.80	N/A	N/A	5.85	N/A	N/A	N/A	5.49	N/A	N/A	N/A
Maternal light smoking (2) (n=25,385)	7.14	1.34	23.10	7.29	1.44	24.62	1.51	7.46	1.97	35.88	12.78
Maternal heavy smoking (3) (n=6,476)	10.95	5.15	88.79	7.89	2.04	34.87	-53.92	10.57	5.08	92.53	3.74

<b>Appendix 4.5 Measuring Progress toward disparity elimination for Washington-only study population</b>											
<b>Selected Characteristic: Very Low Birth Weight (lowest number = best group, want rate to go down)</b>											
<b>Ri/Rg= rate for group in question; Rr/Rb= Best group rate</b>	<b>Baseline (2005-March 2007)</b>			<b>Compared to Recession Period #1 ( period #1 : December 2007-June 2009)</b>			<b>Changes in Disparity from baseline to most recent (percentage points) (baseline-period 1)</b>	<b>Compared to Recession Period #2 (Recession period #2: January 2010-December 2011)</b>			<b>Changes in Disparity from baseline to most recent (percentage points) (baseline to period #2)</b>
<b>**Note-- indicated n's are for total number of individuals in group (regardless of whether or positive for outcome characteristic)-- n is denominator for % outcome</b>	<b>Baseline Rate (Jan 2005-March 2007) (a)</b>	<b>Simple difference from 'best' (Ri-Rr) (use to ID best rate)</b>	<b>Percent difference from 'best' (Ri-Rr)/Rr*100 (color gradient)</b>	<b>Rate during recession period #1</b>	<b>Simple difference from 'best' (baseline - period #1) (Ri-Rr) (use to ID best rate)</b>	<b>Percent difference from 'best' (baseline - period #1) (Ri-Rr)/Rr*100 (color gradient)</b>	<b>Percent difference at period #1- percent difference at baseline (absolute change) (increase = increase in disparity; decrease = decrease in disparity) (arrows)</b>	<b>Rate during recession period #2</b>	<b>Simple difference from 'best' (baseline - period #2) (Ri-Rr) (use to ID best rate)</b>	<b>Percent difference from 'best' (baseline - period #2) (Ri-Rr)/Rr*100 (color gradient)</b>	<b>Percent difference at period 2 - percent difference at baseline (absolute change) (increase = increase in disparity; decrease = decrease in disparity) (arrows)</b>
<b>Total</b>											
<b>Mother's Race</b>											
White only (1) (n=196,720)	1.12	0.33	41.77	1.12	0.06	5.66	-36.11	0.89	0.04	4.71	-37.07
Black or African American only (2) (n=9,603)	2.53	1.74	220.25	2.61	1.55	146.23	-74.03	2.13	1.28	150.59	-69.66
American Indian and Alaska Native only (3) (n=5,016) (small ns' per 1=15, per 2=21, per 3=14)	1.24	0.45	56.96	1.07	0.01	0.94	-56.02	1.26	0.41	48.24	-8.73
Asian only (4) (n=23,745)	0.79	N/A	N/A	1.06	N/A	N/A	N/A	0.85	N/A	N/A	N/A
Native Hawaiian and other Pacific Islander only (5) (n=2,095) (small n's per 1=16, per 2=19, per 3=7)	2.82	2.03	256.96	1.66	0.60	56.60	-200.36	1.11	0.26	30.59	-226.37
Two or more races (6) (n=9,367)	1.11	0.32	40.51	1.25	0.19	17.92	-22.58	1.16	0.31	36.47	-4.04

race_matl Missing Race Info (9) (n=2,906)	3.98	3.19	403.80	2.85	1.79	168.87	-234.93	2.24	1.39	163.53	-240.27
<b>Mother's Ethnicity</b>											
non-Hispanic White (1) (n=162,125)	1.06	N/A	N/A	1.08	N/A	N/A	N/A	0.85	N/A	N/A	N/A
Hispanic White (2) (n=34,408)	1.40	0.34	32.08	1.27	0.19	17.59	-14.48	1.09	0.24	28.24	-3.84
non-Hispanic Black (3) (n=9,244)	2.52	1.46	137.74	2.56	1.48	137.04	-0.70	2.15	1.30	152.94	15.21
Hispanic Black (4) (n=339) (small n's, per 1=3, per 2=6, per 3=2)	2.88	1.82	171.70	4.48	3.40	314.81	143.12	1.89	1.04	122.35	-49.35
Cuban (5) (232) (small n's baseline: 1, per 1=2, per 2=3)	1.59	0.53	50.00	3.28	2.20	203.70	153.70	4.48	3.63	427.06	377.06
ethnicity missing (.) (n=42,042)	1.17	0.11	10.38	1.28	0.20	18.52	8.14	1.07	0.22	25.88	15.50
<b>Infant Gender</b>											
Female (1) (n=120,922)	1.15	-0.06	-4.96	1.14	-0.12	-9.52	-4.57	1.02	0.08	8.51	13.47
Male (2) (n=127,468)	1.21	N/A	N/A	1.26	N/A	N/A	N/A	0.94	N/A	N/A	N/A
<b>Mother's Education Level (aged 20 years and over)</b>											
Less than HS (less than 12 yrs schooling OR no HS diploma) (1) (n=13,693)	1.31	0.14	11.97	1.66	0.51	44.35	32.38	1.26	0.35	38.46	26.50
HS Graduate (12 yrs schooling, OR HS diploma OR GED) (2) (n=37,104)	1.20	0.03	2.56	1.29	0.14	12.17	9.61	1.22	0.31	34.07	31.50
At least some college (HS diploma OR GED OR 13 or more years of schooling) (3) (n=197,593)	1.17	N/A	N/A	1.15	N/A	N/A	N/A	0.91	N/A	N/A	N/A

<b>Geographic Location (CBSA)</b>											
Metropolitan (1) (n=220,022)	1.14	0.09	8.57	1.18	0.32	37.21	28.64	0.95	0.08	9.20	0.62
Micropolitan (2) (n=18,665)	1.05	N/A	N/A	0.86	N/A	N/A	N/A	0.87	N/A	N/A	N/A
Rural (3) (n=6,327) (small n during per 2=12 and nebr period = 16)	1.33	0.28	26.67	1.15	0.29	33.72	7.05	0.68	-0.19	-21.84	-48.51
Missing CBSA (.) (n=3,376)	4.71	3.66	348.57	4.72	3.86	448.84	100.27	3.68	2.81	322.99	-25.58
<b>Health Insurance Status</b>											
Medicaid (1) (n=85,535)	1.12	0.41	57.75	1.12	0.41	57.75	0.00	1.18	0.39	49.37	-8.38
Private Insurance (2) (n=37,354)	0.71	N/A	N/A	0.83	0.12	16.90	n/c	0.89	0.10	12.66	n/c
No Insurance/Self Pay (3) (n=2,458) (small n's: baseline =11, per 1=18, per 2=5)	1.35	0.64	90.14	2.14	1.43	201.41	111.27	0.74	-0.05	-6.33	-96.47
Public Insurance (all) (8) **currently except medicaid (n=25,436)	0.96	0.25	35.21	0.71	N/A	N/A	N/A	0.79	N/A	N/A	N/A
Unknown (9) (n=5,908) (small n's per 2)	2.20	1.49	209.86	2.66	1.95	274.65	64.79	0.96	0.17	21.52	-188.34
<b>Specific Maternal Age Groups</b>											
<age 14 (1) (n=482) (small n's-- baseline = 3, per 1=4, per 2=2)	1.65	0.70	73.68	0.91	-0.17	-15.74	-89.42	1.92	1.08	128.57	54.89
Teen Birth (<20 years; 15-19)** (n=38,709) (2)	1.57	0.62	65.26	1.49	0.41	37.96	-27.30	1.05	0.21	25.00	-40.26
20-24 (3) (n=272,861)	1.10	0.15	15.79	1.08	0.00	0.00	-15.79	0.95	0.11	13.10	-2.69
25-29 (4) (n=67,162)	0.95	N/A	N/A	1.08	N/A	N/A	N/A	0.84	N/A	N/A	N/A

30-34 (5) (n=45,491)	1.14	0.19	20.00	1.07	-0.01	-0.93	-20.93	0.98	0.14	16.67	-3.33
35-39 (6) (n=19,319)	1.35	0.40	42.11	1.53	0.45	41.67	-0.44	1.18	0.34	40.48	-1.63
40+ (7) (n=4,127) (small n's in baseline period n=17)	1.47	0.52	54.74	1.42	0.34	31.48	-23.26	1.96	1.12	133.33	78.60
<b>Marital Status of Mother**</b>											
Unmarried (mother) (n=97,458)	1.37	0.34	33.01	1.40	0.38	37.25	4.25	1.16	0.31	36.47	3.46
Married (mother)** (n=150,244)	1.03	N/A	N/A	1.02	N/A	N/A	N/A	0.85	N/A	N/A	N/A
<b>WIC (missing n=31,208)</b>											
WIC (0=no) (n=139,466)	1.24	0.30	31.91	1.19	0.11	10.19	-21.73	0.96	N/A	N/A	N/A
WIC (1=yes)** (n=85,712)	0.94	N/A	N/A	1.08	N/A	N/A	N/A	1.03	0.07	7.29	N/A
<b>Foreign Born Mother?</b>											
Mother NOT Foreign Born (0=no) n=210,942)	1.23	0.31	33.70	1.22	0.13	11.93	-21.77	0.99	0.06	6.45	-27.24
Mother Foreign Born (1=yes)** (n=37,448)	0.92	N/A	N/A	1.09	N/A	N/A	N/A	0.93	N/A	N/A	N/A
<b>Community Poverty</b>											
Top 1/3 poorest LHDs (PHAST_poor) (1) (n=25,641)	1.48	0.39	35.78	1.23	0.09	7.89	-27.89	0.95	0.01	1.06	-34.72
Bottom 2/3 Non-poor LHDs (PHAST_poor) (n=219,373) (2)	1.09	N/A	N/A	1.14	N/A	N/A	N/A	0.94	N/A	N/A	N/A
<b>Adequacy of Prenatal Care</b>											
Missing information PNC (0) (n=28,259)	2.67	2.26	551.22	3.07	2.55	490.38	-60.83	2.48	2.10	552.63	1.41

Inadequate (1) (n=29,897)	0.69	0.28	68.29	0.71	0.19	36.54	-31.75	0.62	0.24	63.16	-5.13
Intermediate (2) (n=43,944)	0.41	N/A	N/A	0.73	0.21	40.38	n/c	0.65	0.27	71.05	n/c
Adequate (3) (n=30,057)	0.50	0.09	21.95	0.52	N/A	N/A	N/A	0.38	N/A	N/A	N/A
Adequate Plus (4) (n=46,288)	2.51	2.10	512.20	2.50	1.98	380.77	-131.43	1.98	1.60	421.05	-91.14
<b>Health Behaviors</b>											
Maternal Smoking--no smoking (1) (n=214,940)	1.09	N/A	N/A	1.16	N/A	N/A	N/A	0.91	N/A	N/A	N/A
Maternal light smoking (2) (n=25,385)	1.10	0.01	0.92	1.38	0.22	18.97	18.05	1.30	0.39	42.86	41.94
Maternal heavy smoking (3) (n=6,476)	3.57	2.48	227.52	2.05	0.89	76.72	-150.80	2.36	1.45	159.34	-68.18

**Appendix 4.6 Measuring Progress toward disparity elimination for Washington-only study population**
**Selected Characteristic: Preterm Birth (<37 weeks) (lower # = better)**

Ri/Rg= rate for group in question; Rr/Rb= Best group rate	Baseline (2005-March 2007)			Compared to Recession Period #1 (period #1: December 2007-June 2009)			Changes in Disparity from baseline to most recent (percentage points) (baseline-period 1)	Compared to Recession Period #2 (Recession period #2: January 2010-December 2011)			Changes in Disparity from baseline to most recent (percentage points) (baseline to period #2)
	Baseline Rate (Jan 2005-March 2007) (a)	Simple difference from 'best' (Ri-Rr) (use to ID best rate)	Percent difference from 'best' (Ri-Rr)/Rr*100 (color gradient)	Rate during recession period #1	Simple difference from 'best' (baseline - period #1) (Ri-Rr) (use to ID best rate)	Percent difference from 'best' (baseline - period #1) (Ri-Rr)/Rr*100 (color gradient)		Rate during recession period #2	Simple difference from 'best' (baseline - period #2) (Ri-Rr) (use to ID best rate)	Percent difference from 'best' (baseline - period #2) (Ri-Rr)/Rr*100 (color gradient)	
**Note-- indicated n's are for total number of individuals in group (regardless of whether or positive for outcome characteristic)-- n is denominator for % outcome											
<b>Total</b>											
<b>Mothers Race</b>											
White only (1) (n=196,720)	9.46	0.30	3.28	9.15	0.10	1.10	-2.17	8.15	N/A	N/A	N/A
Black or African American only (2) (n=9,603)	11.76	2.60	28.38	11.46	2.41	26.63	-1.75	10.95	2.80	34.36	5.97
American Indian and Alaska Native only (3) (n=3,954)	14.27	5.11	55.79	13.21	4.16	45.97	-9.82	14.45	6.30	77.30	21.51
Asian only (4) (n=23,745)	9.16	N/A	N/A	9.05	N/A	N/A	N/A	8.21	0.06	0.74	n/c
Native Hawaiian and other Pacific Islander only (5) (n=2,095)	13.40	4.24	46.29	12.94	3.89	42.98	-3.30	12.74	4.59	56.32	10.03
Two or more races (6) (n=9,367)	10.10	0.94	10.26	10.16	1.11	12.27	2.00	9.51	1.36	16.69	6.43
race_matl Missing Race Info (9) (n=2,906)	13.85	4.69	51.20	10.67	1.62	17.90	-33.30	12.04	3.89	47.73	-3.47
<b>Mother's Ethnicity</b>											

non-Hispanic White (1) (n=162,125)	9.08	N/A	N/A	8.76	N/A	N/A	N/A	7.75	N/A	N/A	N/A
Hispanic White (2) (n=34,408)	11.20	2.12	23.35	10.97	2.21	25.23	1.88	10.07	2.32	29.94	6.59
non-Hispanic Black (3) (n=9,244)	11.75	2.67	29.41	11.57	2.81	32.08	2.67	11.02	3.27	42.19	12.79
Hispanic Black (4) (n=339) (small n's: baseline = 13, per 1=16, per 2=10)	12.50	3.42	37.67	8.96	0.20	2.28	-35.38	9.43	1.68	21.68	-15.99
Cuban (5) (37,429) (small n's: baseline = 7, per 1=12, per 2=10)	11.11	2.03	22.36	13.11	4.35	49.66	27.30	14.93	7.18	92.65	70.29
ethnicity missing (.) (n=42,042)	10.33	1.25	13.77	10.00	1.24	14.16	0.39	9.56	1.81	23.35	9.59
<b>Infant Gender</b>											
Female (1) (n=120,922)	9.02	N/A	N/A	8.75	N/A	N/A	N/A	7.95	N/A	N/A	N/A
Male (2) (n=127,468)	10.30	1.28	14.19	10.00	1.25	14.29	0.10	9.06	1.11	13.96	-0.23
<b>Mother's Education Level (aged 20 years and over)</b>											
Less than HS (less than 12 yrs schooling OR no HS diploma) (1) (n=13,693)	11.51	2.10	22.32	11.36	2.15	23.34	1.03	11.27	3.05	37.10	14.79
HS Graduate (12 yrs schooling, OR HS diploma OR GED) (2) (n=37,104)	10.39	0.98	10.41	9.63	0.42	4.56	-5.85	9.21	0.99	12.04	1.63
At least some college (HS diploma OR GED OR 13 or more years of schooling) (3) (n=197,593)	9.41	N/A	N/A	9.21	N/A	N/A	N/A	8.22	N/A	N/A	N/A
<b>Geographic Location (CBSA)</b>											

Metropolitan (1) (n=220,022)	9.61	0.62	6.90	9.21	N/A	N/A	N/A	8.36	N/A	N/A	N/A
Micropolitan (2) (n=18,665)	8.99	N/A	N/A	9.31	0.10	1.09	N/A	8.99	0.63	7.54	N/A
Rural (3) (n=6,327)	10.58	1.59	17.69	11.11	1.90	20.63	2.94	8.66	0.30	3.59	-14.10
Missing CBSA (.) (n=3,376)	16.67	7.68	85.43	18.63	9.42	102.28	16.85	16.34	7.98	95.45	10.03
<b>Health Insurance Status</b>											
Medicaid (1) (n=85,535)	10.54	2.31	28.07	10.29	2.26	28.14	0.08	9.95	2.52	33.92	5.85
Private Insurance (2) (n=128,291)	8.23	N/A	N/A	8.03	N/A	N/A	N/A	7.43	N/A	N/A	N/A
No Insurance/Self Pay (3) (n=2,458)	10.95	2.72	33.05	10.71	2.68	33.37	0.33	6.33	-1.10	-14.80	-47.85
Public Insurance (all) (8) **currently except medicaid (n=25,436)	10.12	1.89	22.96	10.05	2.02	25.16	2.19	9.36	1.93	25.98	3.01
Unknown (9) (n=5,908)	11.20	2.97	36.09	12.43	4.40	54.79	18.71	9.58	2.15	28.94	-7.15
<b>Specific Maternal Age Groups</b>											
<age 14 (1) (n=482) (small n's in period 2=19)	12.64	4.14	48.71	20.00	11.71	141.25	92.55	18.27	10.90	147.90	99.19
Teen Birth (<20 years; 15-19)** (n=38,709) (2)	11.70	3.20	37.65	11.23	2.94	35.46	-2.18	10.59	3.22	43.69	6.04
20-24 (3) (n=73,000)	9.65	1.15	13.53	9.02	0.73	8.81	-4.72	8.54	1.17	15.88	2.35
25-29 (4) (n=67,162)	8.50	N/A	N/A	8.29	N/A	N/A	N/A	7.37	N/A	N/A	N/A
30-34 (5) (n=45,491)	8.90	0.40	4.71	8.94	0.65	7.84	3.13	7.97	0.60	8.14	3.44
35-39 (6) (n=19,319)	10.42	1.92	22.59	10.85	2.56	30.88	8.29	9.69	2.32	31.48	8.89

40+ (7) (n=4,127)	12.31	3.81	44.82	11.72	3.43	41.38	-3.45	10.88	3.51	47.63	2.80
<b>Marital Status of Mother**</b>											
Unmarried (mother) (n=97,458)	11.09	2.33	26.60	10.66	2.19	25.86	-0.74	10.08	2.60	34.76	8.16
Married (mother)** (n=150,244)	8.76	N/A	N/A	8.47	N/A	N/A	N/A	7.48	N/A	N/A	N/A
Unknown Marital Status (mother) (n=688)	19.60	10.84	123.74	19.63	11.16	131.76	8.01	16.18	8.70	116.31	-7.43
<b>WIC (missing n=23,212)</b>											
WIC (0=no) (n=139,466)	9.54	N/A	N/A	8.94	N/A	N/A	N/A	7.97	N/A	N/A	N/A
WIC (1=yes)** (n=85,712)	9.82	0.28	2.94	9.78	0.84	9.40	6.46	9.46	1.49	18.70	15.76
<b>Foreign Born Mother?</b>											
Mother NOT Foreign Born (0=no) (n=210,942)	9.87	1.32	15.44	9.50	0.73	8.32	-7.11	8.59	0.45	5.53	-9.91
Mother Foreign Born (1=yes)** (n=37,448)	8.55	N/A	N/A	8.77	N/A	N/A	N/A	8.14	N/A	N/A	N/A
<b>Community Poverty</b>											
Top 1/3 poorest LHDs (PHAST_poor) (1) (n=25,641)	11.34	1.97	21.02	11.06	2.01	22.21	1.19	10.34	2.14	26.10	5.07
Bottom 2/3 Non- poor LHDs (PHAST_poor) (n=219,373) (2)	9.37	N/A	N/A	9.05	N/A	N/A	N/A	8.20	N/A	N/A	N/A
<b>Adequacy of Prenatal Care</b>											

Missing Information PNC (0) (n=28,259)	14.49	10.27	243.36	16.36	12.16	289.52	46.16	16.41	12.88	364.87	121.51
Inadequate (1) (n=29,897)	7.49	3.27	77.49	7.19	2.99	71.19	-6.30	6.45	2.92	82.72	5.23
Intermediate (2) (n=43,944)	4.55	0.33	7.82	5.06	0.86	20.48	12.66	4.87	1.34	37.96	30.14
Adequate (3) (n=100,002)	4.22	N/A	N/A	4.20	N/A	N/A	N/A	3.53	N/A	N/A	N/A
Adequate Plus (4) (n=46,288)	23.94	19.72	467.30	23.28	19.08	454.29	-13.01	19.35	15.82	448.16	-19.14
<b>Health Behaviors</b>											
Maternal Smoking--no smoking (1) (n=214,940)	9.39	N/A	N/A	9.31	N/A	N/A	N/A	8.32	N/A	N/A	N/A
Maternal light smoking (2) (n=25,385)	10.37	0.98	10.44	10.12	0.81	8.70	-1.74	9.60	1.28	15.38	4.95
Maternal heavy smoking (3) (n=6,476)	14.67	5.28	56.23	9.86	0.55	5.91	-50.32	12.52	4.20	50.48	-5.75

<b>Appendix 4.7 Measuring Progress toward disparity elimination for Washington-only study population</b>												
<b>Selected Characteristic: preterm 32 (lower #=better)</b>												
<b>Ri/Rg= rate for group in question; Rr/Rb= Best group rate</b>	<b>Baseline (2005-March 2007)</b>			<b>Compared to Recession Period #1 period #1: December 2007-June 2009)</b>			<b>Changes in Disparity from baseline to most recent (percentage points) (baseline-period 1)</b>	<b>Compared to Recession Period #2 (Recession period #2: January 2010-December 2011)</b>			<b>Changes in Disparity from baseline to most recent (percentage points) (baseline to period #2)</b>	
<b>**Note-- indicated n's are for total number of individuals in group (regardless of whether or positive for outcome characteristic)-- n is denominator for % outcome</b>	<b>Baseline Rate (Jan 2005-March 2007) (a)</b>	<b>Simple difference from 'best' (Ri-Rr) (use to ID best rate)</b>	<b>Percent difference from 'best' (Ri-Rr)/Rr*100 (color gradient)</b>	<b>Rate during recession period #1</b>	<b>Simple difference from 'best' (baseline - period #1) (Ri-Rr) (use to ID best rate)</b>	<b>Percent difference from 'best' (baseline - period #1) (Ri-Rr)/Rr*100 (color gradient)</b>	<b>Percent difference at period #1 - percent difference at baseline (absolute change) (increase = increase in disparity; decrease = decrease in disparity) (arrows)</b>	<b>Rate during recession period #2</b>	<b>Simple difference from 'best' (baseline - period #2) (Ri-Rr) (use to ID best rate)</b>	<b>Percent difference from 'best' (baseline - period #2) (Ri-Rr)/Rr*100 (color gradient)</b>	<b>Percent difference at period 2 - percent difference at baseline (absolute change) (increase = increase in disparity; decrease = decrease in disparity) (arrows)</b>	
<b>Total</b>												
<b>Maternal Race</b>												
White only (1) (n=196,720)	1.53	0.41	36.61	1.55	0.12	8.39	-28.22	1.19	0.01	0.85	-35.76	
Black or African American only (2) (n=9,603)	2.99	1.87	166.96	2.83	1.40	97.90	-69.06	2.48	1.30	110.17	-56.79	
American Indian and Alaska Native only (3) (n=3,954)	2.56	1.44	128.57	1.93	0.50	34.97	-93.61	2.71	1.53	129.66	1.09	
Asian only (4) (n=23,745)	1.12	N/A	N/A	1.47	0.04	2.80	n/c	1.18	N/A	N/A	N/A	
Native Hawaiian and other Pacific Islander only (5) (n=2,547) (small n's: per 1=18, per 2=24, per 2=11)	3.17	2.05	183.04	2.77	1.34	93.71	-89.33	1.75	0.57	48.31	-134.73	
Two or more races (6) (n=9,367)	1.75	0.63	56.25	1.43	N/A	N/A	N/A	1.46	0.28	23.73	-32.52	
race_mat1 Missing Race Info (9) (n=2,906)	4.94	3.82	341.07	3.72	2.29	160.14	-180.93	3.06	1.88	159.32	-181.75	

<b>Mother's Ethnicity</b>											
non-Hispanic White (1) (n=162,125)	1.40	N/A	N/A	1.45	N/A	N/A	N/A	1.08	N/A	N/A	N/A
Hispanic White (2) (n=34,408)	2.10	0.70	50.00	2.00	0.55	37.93	-12.07	1.73	0.65	60.19	10.19
non-Hispanic Black (3) (n=9,244)	3.00	1.60	114.29	2.83	1.38	95.17	-19.11	2.47	1.39	128.70	14.42
Hispanic Black (4) (n=339) (small n's: per 1=22, per 2=19, per 3=22)	2.88	1.48	105.71	2.99	1.54	106.21	0.49	2.83	1.75	162.04	56.32
Cuban (5) (232) (small n's: baseline = 1, per 1=2, per 2=2)	1.59	0.19	13.57	3.28	1.83	126.21	112.64	2.99	1.91	176.85	163.28
ethnicity missing (.) (n=79,960)	1.70	0.30	21.43	1.75	0.30	20.69	-0.74	1.55	0.47	43.52	22.09
<b>Infant Gender</b>											
Female (1) (n=120,922)	1.52	N/A	N/A	1.56	N/A	N/A	N/A	1.28	N/A	N/A	N/A
Male (2) (n=127,468)	1.70	0.18	11.84	1.71	0.15	9.62	-2.23	1.33	0.05	3.91	-7.94
<b>Mother's Education Level (aged 20 years and over)</b>											
Less than HS (less than 12 yrs schooling OR no HS diploma) (1) (n=13,693)	2.11	0.56	36.13	2.30	0.75	48.39	12.26	1.72	0.49	39.84	3.71
HS Graduate (12 yrs schooling, OR HS diploma OR GED) (2) (n=37,104)	1.75	0.20	12.90	1.82	0.27	17.42	4.52	1.55	0.32	26.02	13.11
At least some college (HS diploma OR GED OR 13 or more years of schooling) (3) (n=197,593)	1.55	N/A	N/A	1.55	N/A	N/A	N/A	1.23	N/A	N/A	N/A
<b>Geographic Location (CBSA)</b>											

Metropolitan (1) (n=220,022)	1.54	N/A	N/A	1.58	N/A	N/A	N/A	1.27	0.04	3.25	N/A
Micropolitan (2) (n=18,665)	1.64	0.10	6.49	1.30	-0.28	-17.72	-24.22	1.23	N/A	N/A	N/A
Rural (3) (n=6,327) (small n's in rural period 2)	1.82	0.28	18.18	1.65	0.07	4.43	-13.75	0.85	-0.38	-30.89	-49.08
Missing CBSA (.) (n=3,376)	5.65	4.11	266.88	6.58	5.00	316.46	49.57	5.19	3.96	321.95	55.07
<b>Health Insurance Status</b>											
Medicaid (1) (n=85,535)	1.70	0.40	30.77	1.62	0.33	25.58	-5.19	1.61	0.50	45.05	14.28
Private Insurance (2) (n=128,291)	0.98	-0.32	-24.62	1.13	-0.16	-12.40	12.21	1.15	0.04	3.60	28.22
No Insurance/Self Pay (3) (n=2,458) (small n's in baseline: n=17, per 1=23, per 2=8)	2.09	0.79	60.77	2.68	1.39	107.75	46.98	1.18	0.07	6.31	-54.46
Public Insurance (all) (8) **currently except medicaid (n=25,436)	1.30	N/A	N/A	1.29	N/A	N/A	N/A	1.11	N/A	N/A	N/A
Unknown (9) (n=5,908)	2.82	1.52	116.92	3.11	1.82	141.09	24.16	1.06	-0.05	-4.50	-121.43
<b>Specific Maternal Age Groups</b>											
<age 14 (1) (n=482) (small n's: baseline =5, per 1=7, per 2=2)	2.75	1.41	105.22	2.73	1.40	105.26	0.04	1.92	0.87	82.86	-22.37
Teen Birth (<20 years; 15-19)** (n=38,709) (2)	2.18	0.84	62.69	2.08	0.75	56.39	-6.30	1.78	0.73	69.52	6.84
20-24 (3) (n=73,000)	1.53	0.19	14.18	1.51	0.18	13.53	-0.65	1.20	0.15	14.29	0.11
25-29 (4) (n=67,162)	1.34	N/A	N/A	1.33	N/A	N/A	N/A	1.05	N/A	N/A	N/A
30-34 (5) (n=45,491)	1.45	0.11	8.21	1.55	0.22	16.54	8.33	1.28	0.23	21.90	13.70

35-39 (6) (n=19,319)	1.72	0.38	28.36	2.02	0.69	51.88	23.52	1.59	0.54	51.43	23.07
40+ (7) (n=4,127)	1.99	0.65	48.51	2.30	0.97	72.93	24.42	2.34	1.29	122.86	74.35
<b>Marital Status of Mother</b>											
Unmarried (mother) (n=97,458)	1.94	0.57	41.61	2.00	0.67	50.38	8.77	1.59	0.48	43.24	1.64
Married (mother) (n=150,244)	1.37	N/A	N/A	1.33	N/A	N/A	N/A	1.11	N/A	N/A	N/A
Unknown Marital Status (mother) (n=688) small n's per 3=6	9.43	8.06	588.32	11.66	10.33	776.69	188.37	4.41	3.30	297.30	-291.02
<b>WIC (missing n=23,212)</b>											
WIC (0=no) (n=139,466)	1.61	0.18	12.59	1.55	N/A	N/A	N/A	1.22	N/A	N/A	N/A
WIC (1=yes) (n=85,712)	1.43	N/A	N/A	1.58	0.03	1.94	n/c	1.45	0.23	18.85	n/c
<b>Foreign Born Mother?</b>											
Mother NOT Foreign Born (0=no) (n=210,942)	1.69	0.56	49.56	1.68	0.30	21.74	-27.82	1.32	0.10	8.20	-41.36
Mother Foreign Born (1=yes)** (n=37,448)	1.13	N/A	N/A	1.38	N/A	N/A	N/A	1.22	N/A	N/A	N/A
<b>Community Poverty</b>											
Top 1/3 poorest LHDs (PHAST_poor) (1) (n=25,641)	2.18	0.70	47.30	1.77	0.23	14.94	-32.36	1.51	0.29	23.77	-23.53
Bottom 2/3 Non-poor LHDs (PHAST_poor) (n=219,373) (2)	1.48	N/A	N/A	1.54	N/A	N/A	N/A	1.22	N/A	N/A	N/A
<b>Adequacy of Prenatal Care</b>											
Missing Information PNC (0) (n=28,259)	3.17	2.71	589.13	4.01	3.48	656.60	67.47	3.01	2.59	616.67	27.54
Inadequate (1) (n=29,897)	1.06	0.60	130.43	1.02	0.49	92.45	-37.98	0.71	0.29	69.05	-61.39

Intermediate (2) (n=43,944)	0.46	N/A	N/A	0.85	0.32	60.38	N/A	0.73	0.31	73.81	N/A
Adequate (3) (n=100,002)	0.56	0.10	21.74	0.53	N/A	N/A	N/A	0.42	N/A	N/A	N/A
Adequate Plus (4) (n=46,288)	4.06	3.60	782.61	4.01	3.48	656.60	-126.00	3.15	2.73	650.00	-132.61
<b>Health Behaviors</b>											
Maternal Smoking-- no smoking (1) (n=214,940)	1.49	0.04	2.76	1.58	N/A	N/A	N/A	1.23	N/A	N/A	N/A
Maternal light smoking (2) (n=25,385)	1.45	N/A	N/A	1.92	0.34	21.52	N/A	1.65	0.42	34.15	N/A
Maternal heavy smoking (3) (n=6,476)	4.73	3.28	226.21	2.76	1.18	74.68	-151.52	3.25	2.02	164.23	-61.98