



Cowlitz County Health Department

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Summary of the Baseline and 2009 Local Public Health Indicators, Cowlitz County Health Department

August 24, 2010

Introduction

The following 32 Public Health Indicators provide a *snapshot* of health status, health behavior and public health performance at the local and state level. These indicators measure five different aspects of public health:

- Communicable Disease (4 indicators)
- Prevention and Health Promotion (8 indicators)
- Environmental Health (3 indicators)
- Maternal and Child Health (9 indicators)
- Access to Care (8 indicators)

We use our local public health indicator data to identify health issues, develop action plans and evaluate our programs and activities, and for community education. The data, along with program evaluation, can be used to help decide where to invest limited resources. Presented in the following pages is how Cowlitz County is doing and compares us to the state.

The following tables contain a lot of information regarding the indicators and may require careful attention to the column headers. You can use these tables to see our baseline line values, our most recent (current) values, how we compared to the state for each measure and what our trend is within our county. Equivalent values are shown for the state where relevant. When comparisons are made to the state or with baseline measures, the following symbols are used:

- ☹ Doing worse than the comparison, difference is statistically significant ($p < 0.05$)
- ☺ Doing better than the comparison, difference is statistically significant, ($p < 0.05$)
- ↔ No statistically significant difference from the comparison

All columns that pertain to Cowlitz County are in black font while those that pertain to the state or nation are in an orange shaded font.

The columns labeled "Comparison to the State" compares our baseline value to the State's baseline value and our current value to the state's current value. The column labeled trend is comparing our county value to our own baseline value and the State's current value to its baseline level. Both comparisons should be used to see if we are making any progress towards improving each indicator measure. The County rank lets us know how Cowlitz County fairs compared to the other counties. There are 39 counties in WA and 35 LHJs. Not all LHJs have a measure for a specific measure, so the denominator for the rank may change. And the range indicates the lowest and highest values found among the LHJs for the given measure.

More information on the Local Public Health indicators can be found at: <http://www.doh.wa.gov/phil/products/phi/overview.htm>. Questions regarding this document can be directed to the epidemiologist for the Cowlitz County Health Department at 360-501-1204

32 Public Health Indicators Cowlitz County Health Department

Communicable Disease																
Indicator Name	Unit of Measure	Current Year	Cowlitz County			State		US	Comparison to State		County Rank		Trend		Range in WA Counties	
			Baseline Estimate	Current Estimate	current est. (95% CI)	Estimate	(95% CI)	Estimate	Baseline	Current	Baseline	Current	Cowlitz	State	Baseline	Current
Reported Chlamydia infections ¹ <small>(Rate of reported Chlamydia infections per 100,000 women ages 15-24)</small>	rate per 100,000	2007 - 08	2795	2823	(2539, 3131)	2277	(2247, 2308)	3209*	☹	☹	29/32	29/31	↔	☹	824-3435	714-3648
Treated Chlamydia infections ² <small>(% of reported Chlamydia infections that received treatment in women ages 15-24)</small>	%	2007 - 08	83	96	(94, 98)	97	(97, 97)	N/A**	☹	↔	28/32	19/31	😊	😊	73-98	87-100
Influenza vaccination (65 years or older) ³ <small>(% of adults age 65 or older who report receiving a flu shot during the past 12 months)</small>	%	2007 - 08	74	74	(67, 80)	72	(71, 73)	70	↔	↔	7/35	7/35	↔	😊	49-80	57-81
Reported child immunizations ⁴ <small>(% of children 19-35 months of age with complete vaccination records on file in the Child Profile Immunization Registry (4-DTP, 3-Polio, 1- MMR, 3-Hib, 3-HepB, 1-Varicella, 4-PCV))</small>	%	2008	NA	57	(55, 59)	42	(42, 42)	N/A**	NA	😊	NA	4/30	NA	NA	NA	12-71

*US year: 2007 **N/A - data not available

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Prevention and Health Promotion																
Indicator Name	Unit of Measure	Current Year	Cowlitz County			State		US	Comparison to State		County Rank		Trend		Range in WA Counties	
			Baseline Estimate	Estimate	current est. (95% CI)	Estimate	(95% CI)	Estimate	Baseline	Current	Baseline	Current	Cowlitz	State	Baseline	Current
Years of healthy life expected at age 20 ⁵ <small>(Additional years a 20 year-old is expected to live in good, very good, or excellent health)</small>	number of years	2006 - 07	47	45	(43, 47)	51	(51, 52)	48*	☹	☹	30/35	34/35	↔	☺	41-57	45-58
Adult cigarette smoking ⁶ <small>(% of adults age 18 or older who smoked at least 100 cigarettes in their lifetime and are current smokers)</small>	%	2007 - 08	25	23	(19, 28)	16	(15, 16)	19	☹	☹	30/35	29/35	↔	☺	12-31	12-31
Adult physical activity ⁶ <small>(%of adults age 18 or older who report moderate physical activity (30 minutes a day, 5 times a week) or vigorous activity (20 minutes a day, 3 times a week) in work or leisure)</small>	%	2007	63	58	(51, 64)	62	(61, 63)	59	↔	↔	22/35	33/35	↔	↔	50-75	53-74
Adults overweight/obese ⁶ <small>(%of adults age 18 or older who have body mass index greater than 25)</small>	%	2007 - 08	68	66	(61, 70)	61	(61, 62)	63	↔	↔	33/35	24/35	↔	☹	51-71	52-72
Adult fruit/vegetable consumption ⁶ <small>(% of adults age 18 or older who report eating fruits and vegetables 5 or more times per day)</small>	%	2007	24	18	(14, 24)	26	(25, 27)	25	↔	☹	16/35	35/35	↔	☺	17-33	18-35
Adult binge drinking ⁶ <small>(% of adults age 18 or older who report binge drinking (5 drinks for men; 4 drinks for women) on at least 1 occasion in last 30 days)</small>	%	2007 - 08	22	17	(14, 22)	16	(15, 16)	16	☹	↔	34/35	27/35	↔	☹	10-22	10-24
Adults with diabetes ⁶ <small>(% of adults age 18 or older who have ever been told by a doctor that they have DM)</small>	%	2007 - 08	9	7	(6, 9)	7	(7, 7)	8	☹	↔	33/35	15/35	↔	☹	3-10	2-12
Adult poor mental health ⁶ <small>(% of adults age 18 or older who report 14 or more days of poor mental health in the past month)</small>	%	2007 - 08	13	15	(11, 19)	10	(9, 10)	10	☹	↔	33/35	33-35	↔	↔	6-14	6-16

*US year: 2004

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Maternal and Child Health																
Indicator Name	Unit of Measure	Current Year	Cowlitz County			State		US	Comparison to State		County Rank		Trend		Range in WA Counties	
			Baseline Estimate	Estimate	current est. (95% CI)	Estimate	(95% CI)	Estimate	Baseline	Current	Baseline	Current	Cowlitz	State	Baseline	Current
First trimester prenatal care ⁷ (% of women giving birth who received prenatal care starting in the first trimester of pregnancy)	%	2006 - 07	79	78	(75, 82)	77	(77, 78)	N/A*	↔	↔	16/35	14/35	↔	☹	72-89	67-89
Maternal cigarette smoking ⁸ (% of women giving birth who smoked any time during pregnancy)	%	2006 - 07	24	28	(26, 30)	10	(10, 10)	N/A*	☹	☹	32/34	30/31	☹	↔	3-30	2-38
Teen birth rate ⁸ (Rate of live born infants per 1,000 women ages 15-17)	rate per 1,000	2006 - 07	25	27	(22, 32)	16	(15, 16)	21**	☹	☹	23/29	20/26	↔	↔	6-59	5-57
Low birth weight ⁸ (% of live born singleton births with birth weight less than 2,500 grams)	%	2006 - 07	5	5	(4, 6)	5	(5, 5)	6**	↔	↔	14/32	18/30	↔	☹	3-6	3-7
Teen physical activity ⁹ (% of 10 th graders who report physical activity 60 minutes a day, 5 or more days a week)	%	2008	50	49	(44, 53)	44	(41, 46)	35***	😊	😊	12/32	16/32	↔	↔	38-74	37-77
Teen cigarette smoking ⁹ (% of 10 th graders who report smoking cigarettes in the last 30 days)	%	2008	18	16	(14, 19)	14	(13, 16)	20***	☹	↔	24/29	24/29	↔	↔	6-24	8-22
Teens overweight ⁹ (% of 10 th graders in the top 15% body mass index by reported height and weight, based on CDC growth charts)	%	2008	22	29†	(24, 33)	25	(23, 27)	29***	😊	↔	4/29	21/33	☹	↔	16-40	15-64
Teen alcohol use ⁹ (% of 10 th graders who report alcohol consumption in the past 30 days)	%	2008	37	32	(29, 35)	32	(30, 33)	42***	☹	↔	24/31	21/33	😊	↔	24-44	28-39
Childhood unintentional injury hospitalizations ¹⁰ (% of hospitalization for unintentional injury per 100,000 children ages 0-17)	rate per 100,000	2006 - 07	228	250	(206, 294)	207	(201, 212)	N/A*	↔	↔	16/29	24/30	↔	↔	154-337	177-438

*N/A - data not available **US year: 2005 ***US year: 2007 †10%-19% missing data

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Access to Care ⁶																
Indicator Name	Unit of Measure	Current Year	Cowlitz County			State		US	Comparison to State		County Rank		Trend		Range in WA Counties	
			Baseline Estimate	Estimate	current est. (95% CI)	Estimate	(95% CI)	Estimate	Baseline	Current	Baseline	Current	Cowlitz	State	Baseline	Current
Adults with unmet medical need <small>(Percent of adults age 18 or older who report needing to see a doctor within the past year but could not due to cost)</small>	%	2007 - 08	13	14	(10, 17)	12	(12, 12)	14	↔	↔	10/35	17/35	↔	😊	9-20	9-22
Adults with personal healthcare provider <small>(Percent of adults age 18 or older who report having a personal doctor or health care provider)</small>	%	2007 - 08	76	76	(72, 81)	79	(78, 80)	80	↔	↔	27/35	26/35	↔	↔	70-85	71-84
Adult dental care <small>(Percent of adults age 18 or older who report visiting a dentist, dental hygienist or dental clinic within the past year)</small>	%	2008	61	67	(60, 73)	74	(73, 75)	70	☹	☹	33/35	17/35	↔	😊	59-77	56-78
Adult preventive cancer screening - Breast <small>(Percent of women age 50 or older who report receiving a mammogram within the past 2 years)</small>	%	2008	80	81	(73, 87)	81	(80, 82)	80	↔	↔	10/35	13/35	↔	😊	68-82	64-89
Adult preventive cancer screening - Cervical <small>(Percent of women age 18 or older who report receiving a Pap smear test within the past 3 years)</small>	%	2008	77	78	(72, 83)	77	(76, 78)	79	↔	↔	26/35	12/35	↔	☹	63-82	61-90
Adult preventive cancer screening - Colorectal <small>(Percent of adults age 50+ who had a blood stool test in the past year, sigmoidoscopy in past 5 years or colonoscopy in past 10 years)</small>	%	2008	60	70	(63, 76)	68	(67, 69)	64	↔	↔	20/35	8/35	😊	😊	50-67	50-77
Adults with health insurance <small>(Percent of adults ages 18-64 who report having health care insurance)</small>	%	2007 - 08	81	79	(74, 84)	84	(83, 85)	82	↔	↔	16/35	19/35	↔	😊	65-87	61-89
Children with health insurance <small>(Percent of children ages 0-17 who have health insurance)</small>	%	2008	NA	92	(82, 97)	95	(94, 96)	N/A*	NA	↔	NA	25/35	NA	NA	NA	86-99

*N/A - data not available

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Environmental Health																
Indicator Name	Unit of Measure	Current Year	Cowlitz County			State		US	Comparison to State		County Rank		Trend		Range in WA Counties	
			Baseline Estimate	Estimate	current est. (95% CI)	Estimate	(95% CI)	Estimate	Baseline	Current	Baseline	Current	Cowlitz	State	Baseline	Current
Solid waste facilities in compliance <small>(Percent of solid waste facilities in compliance with permit conditions)</small>	NA	NA	NA	NA	NA	NA	NA	NA								
Food Service Safety <small>(Percent of permanent food service establishments with <35 critical violation points)*</small>	%	2008	NA	93	(92, 95)	93	(93, 93)	NA	NA	↔	NA	21/33	NA	NA	NA	86-100
On-site sewage system corrections <small>(Percent of identified on-site sewage failures with corrective action initiated within 2 weeks)</small>	%	2008	76	100	(91, 100)	95	(94, 96)	NA	NA	↔	NA	5/29	NA	NA	NA	53-100

* five counties, not including Cowlitz County, reported using a cut off of <36 critical violations. Caution should be used when looking at the range in all counties.

Data Sources

1. State and local data: DOH, Sexually Transmitted Disease Registry & National data: CDC, Division of Sexually Transmitted Disease Prevention
2. State and local data: DOH, Sexually Transmitted Disease Registry
3. State and local data: DOH, Behavioral Risk Factor Surveillance System
4. State and local data: DOH, CHILD Profile Immunization Registry
5. State and local data: DOH, Behavioral Risk Factor Surveillance System and Death Certificates & National data: CDC, Behavioral Risk Factor Surveillance System combined with National Life Expectancy data
6. State and local data: DOH, Behavioral Risk Factor Surveillance System & National data: CDC, Behavioral Risk Factor Surveillance System
7. State and local data: DOH, Birth Certificates
8. State and local data: DOH, Birth Certificates & National data: CDC, National Vital Statistics System
9. State and local data: DOH, Healthy Youth Survey & National data: CDC, Youth Risk Behavior Surveillance System
10. State and local data: DOH, Comprehensive Hospital Abstract Reporting System, including all acute care hospitals in Washington and Oregon, Madigan Army Medical Center, and Naval Hospital Oak Harbor