

July, 2009

---

# Risk and Protection Profile for Substance Abuse Prevention in Grays Harbor County



4.47-14:2009

Research & Data Analysis Division  
**Vera Barga, B.S.**  
**Irina V. Sharkova, Ph.D.**  
**Liz Kohlenberg, Ph.D.**

*in conjunction with the*  
Division of Alcohol and Substance Abuse  
**David Dickinson, Director**



**RDA** Research & Data  
Analysis Division

These tables provide a comprehensive update of data published in previous *Profiles*. They are among the timeliest data available to planners for understanding the risks of substance abuse among youth in their counties. Community, family, peer, and school-related factors are presented within the Hawkins and Catalano risk and protective factor framework that is used by many substance abuse prevention planners across the country.

For more information about the data, framework, definitions, and other topics, see the 1997 *Profile on Risk and Protection for Substance Abuse Prevention Planning in Washington State*, (Report 4.15-40). That report and subsequent years' Profiles are available on the RDA website at: [www1.dshs.wa.gov/rda/research/risk.shtm](http://www1.dshs.wa.gov/rda/research/risk.shtm).

## **Table of contents:**

### **Introduction**

### **Summary Measure and Indicator Profiles:**

1. Indicator Profile 1
2. Indicator Profile 2
3. Indicator Profile 3
4. Indicator Profile 4

### **Community:**

5. Availability of Drugs
6. Extreme Economic & Social Deprivation
7. Transitions & Mobility
8. Alcohol or Drug-related Problems
9. Adult Violent Crime
10. Low Neighborhood Attachment and Community Disorganization

### **Family:**

11. Family Problems

### **Schools:**

12. Senior Class Loss
13. Low School Test Scores

### **Individual/Peer:**

14. Early Criminal Justice Involvement

### **Problem Outcomes:**

15. Child and Family Health
16. School Issues
17. Criminal Justice
18. Substance Use

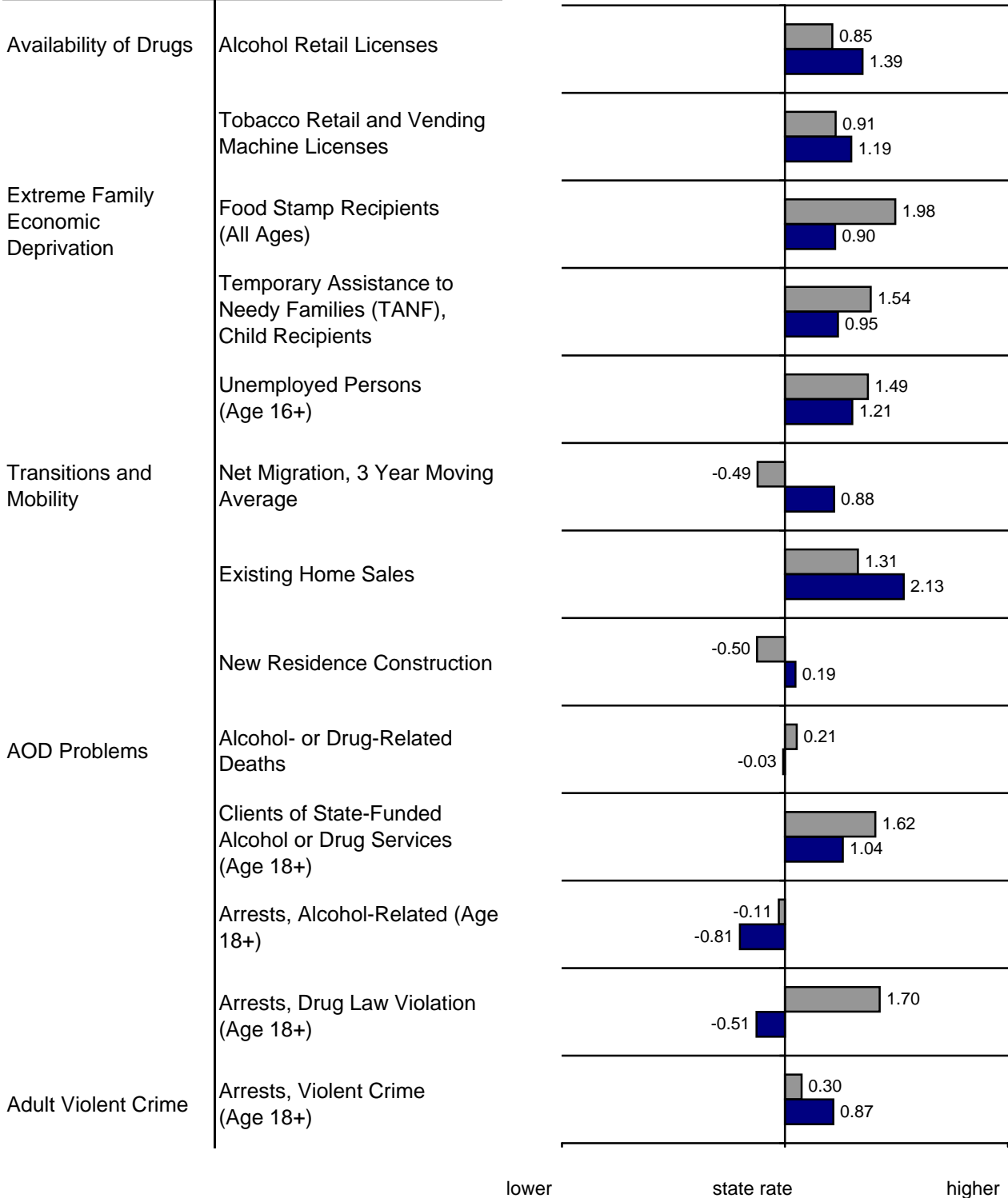
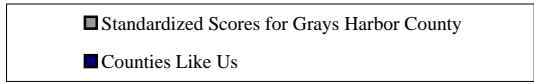
### **Appendices**

20. Technical Notes
21. Populations Subtracted for Police Agencies not Reporting Arrests to UCR
22. Police Agencies that did not Report Arrests to UCR

Standardized Five-Year Indicator Profile

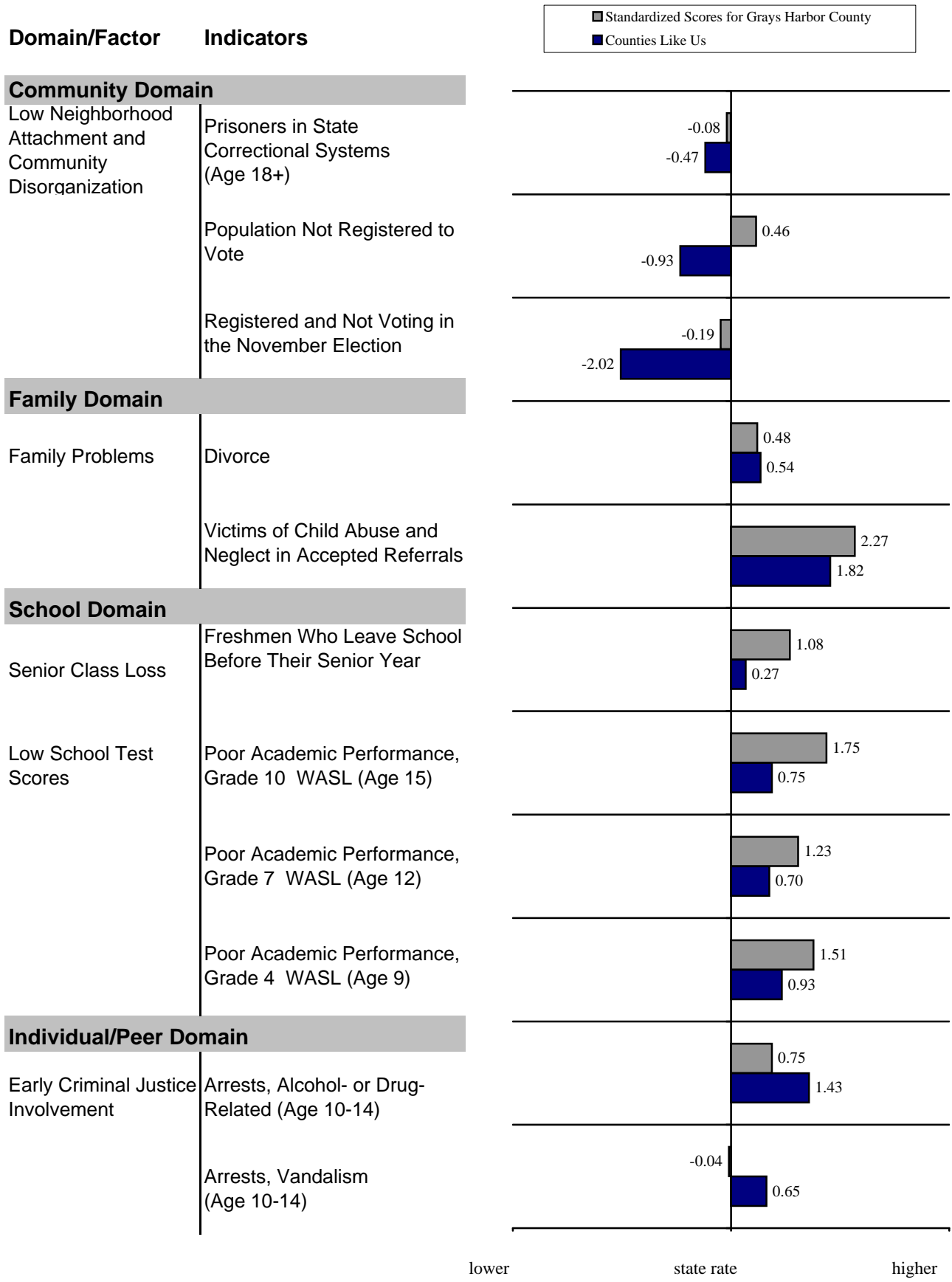
**Domain/Factor      Indicators**

**Community Domain**



If the 5 year rate was suppressed for data problems, there will be no bar or label. Rates equal to the state mean have a 0.0 label.

Standardized Five-Year Indicator Profile



If the 5 year rate was suppressed for data problems, there will be no bar or label. Rates equal to the state mean have a 0.0 label.

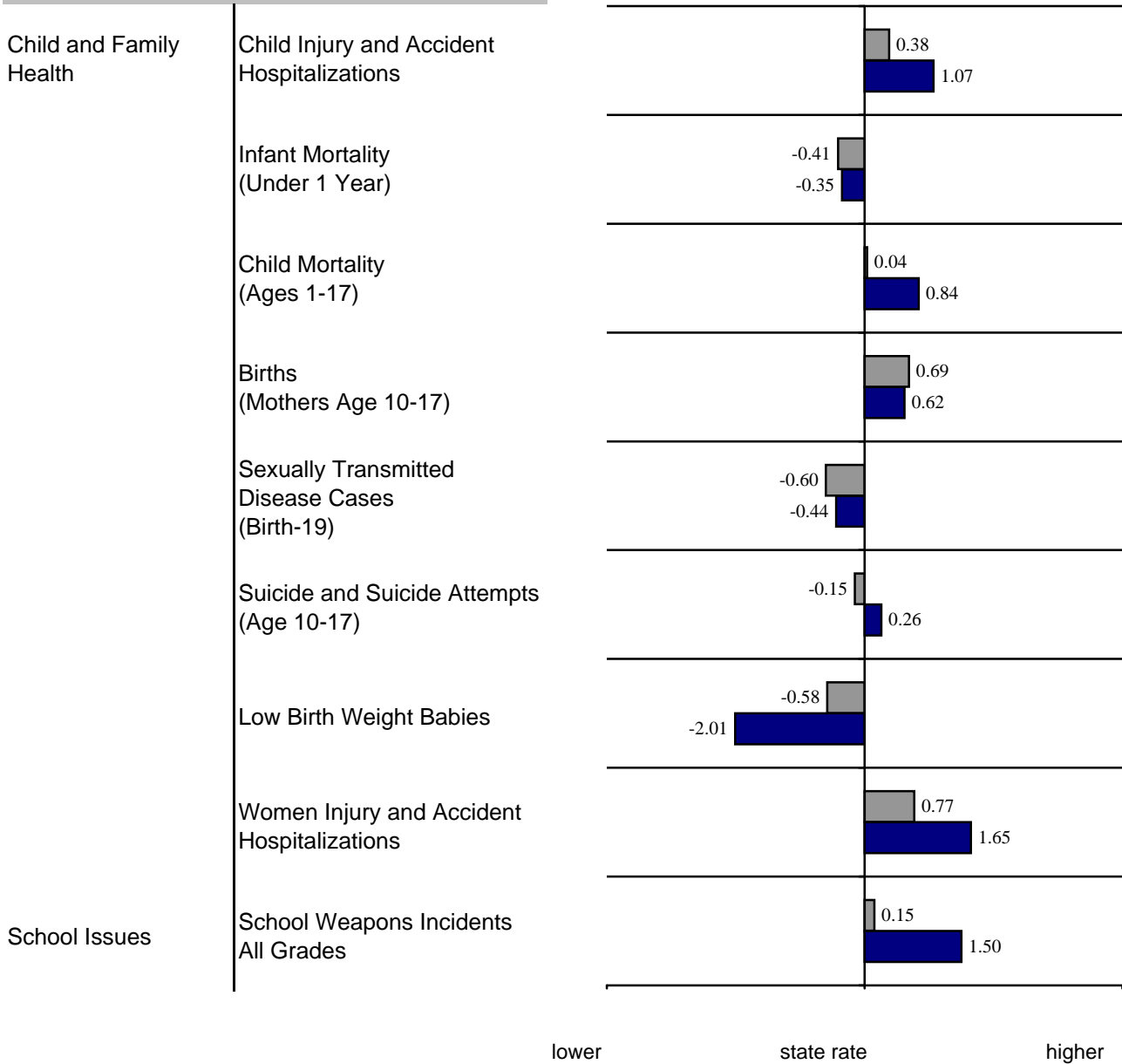
## Standardized Five-Year Indicator Profile

### Domain/Factor

### Indicators

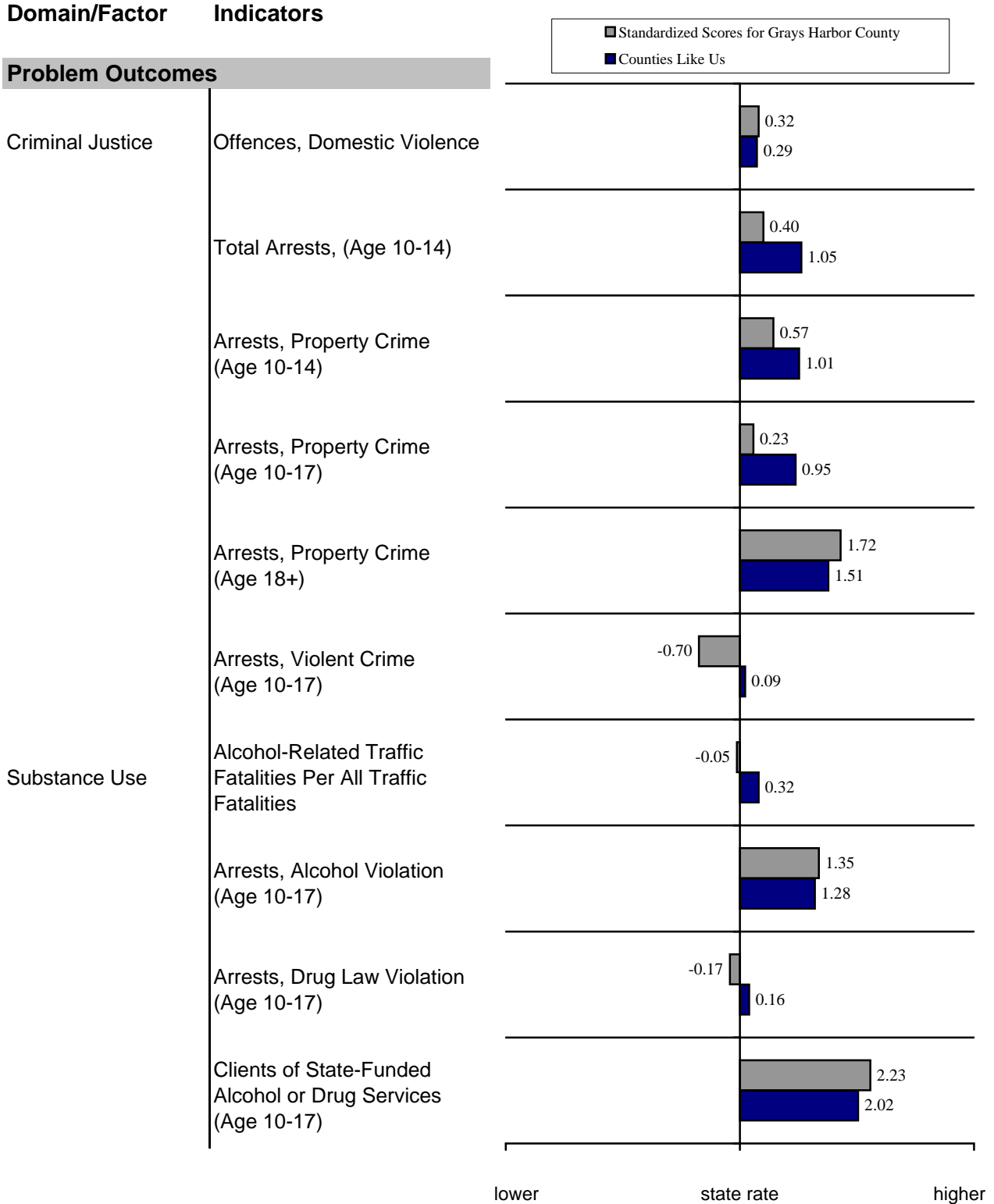


### Problem Outcomes



If the 5 year rate was suppressed for data problems, there will be no bar or label. Rates equal to the state mean have a 0.0 label.

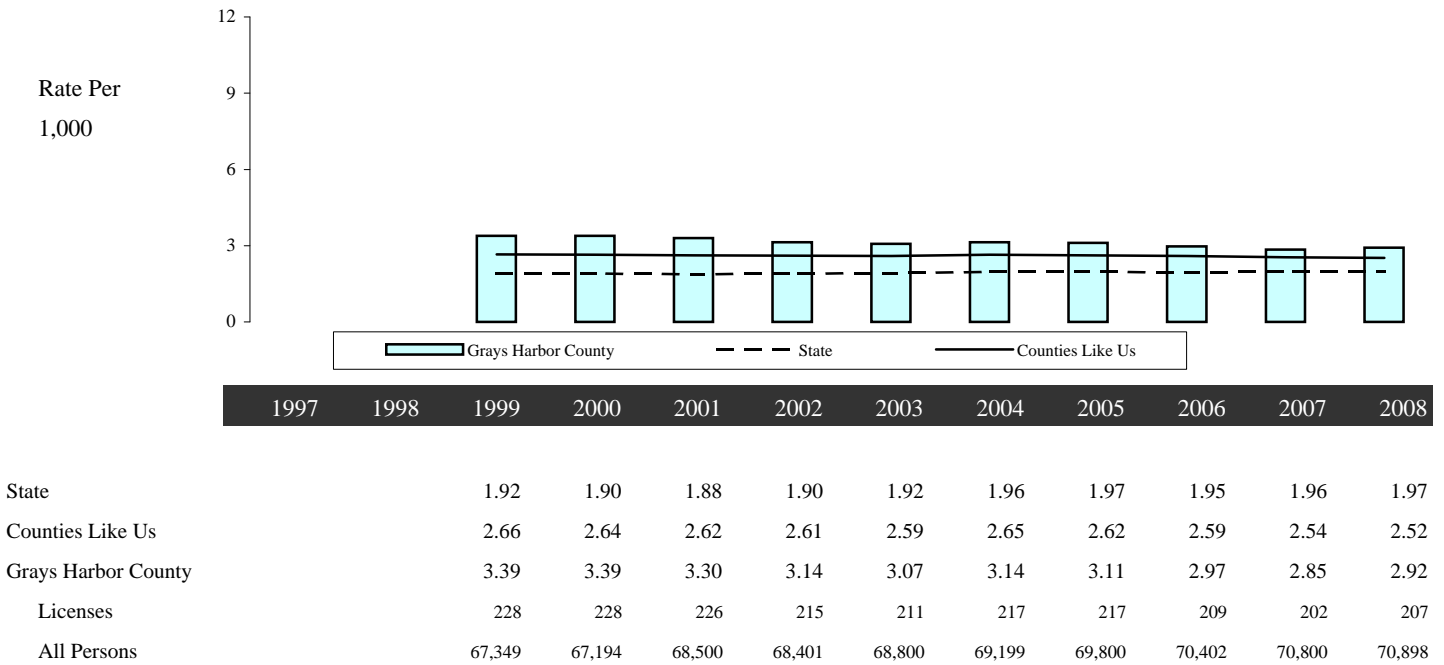
## Standardized Five-Year Indicator Profile



If the 5 year rate was suppressed for data problems, there will be no bar or label. Rates equal to the state mean have a 0.0 label.

## Community Domain: Availability of Drugs

### Alcohol Retail Licenses



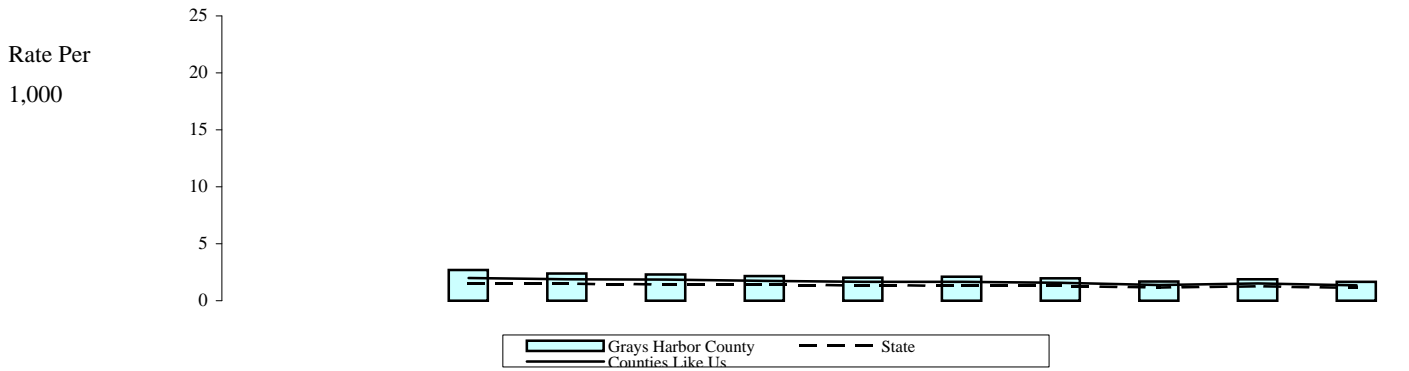
**Note:** The State and County rate are the annual number of alcohol retail licenses active during the year, per 1,000 persons (all ages). Retail licenses include restaurants, grocery stores, and wine shops but do not include state liquor stores and agencies. Retail alcohol facilities on military bases and reservations are not licensed by the State and therefore are not included in these data. Policies on licensing distributors, taxing the proceeds, and determining who can sell alcohol vary substantially from state to state. Consequently, there is no consistent comparable source for national data. Data from 1999 to present is now geocoded from the facility address, rather than apportioned from zip code. This results in a more accurate, but different data total per county.

**State Source:** Washington State Liquor Control Board, Annual Operations Report  
 Population Estimates: Washington State Department of Health

Updated  
 6/21/2009

Community Domain: Availability of Drugs

**Tobacco Retail and Vending Machine Licenses**



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
State			1.53	1.48	1.44	1.40	1.36	1.32	1.28	1.14	1.27	1.11
Counties Like Us			2.00	1.87	1.84	1.75	1.66	1.65	1.57	1.39	1.53	1.36
Grays Harbor County			2.69	2.38	2.29	2.15	2.03	2.10	1.98	1.69	1.88	1.66
Licenses			181	160	157	147	140	145	138	119	133	118
All Persons			67,349	67,194	68,500	68,401	68,800	69,199	69,800	70,402	70,800	70,898

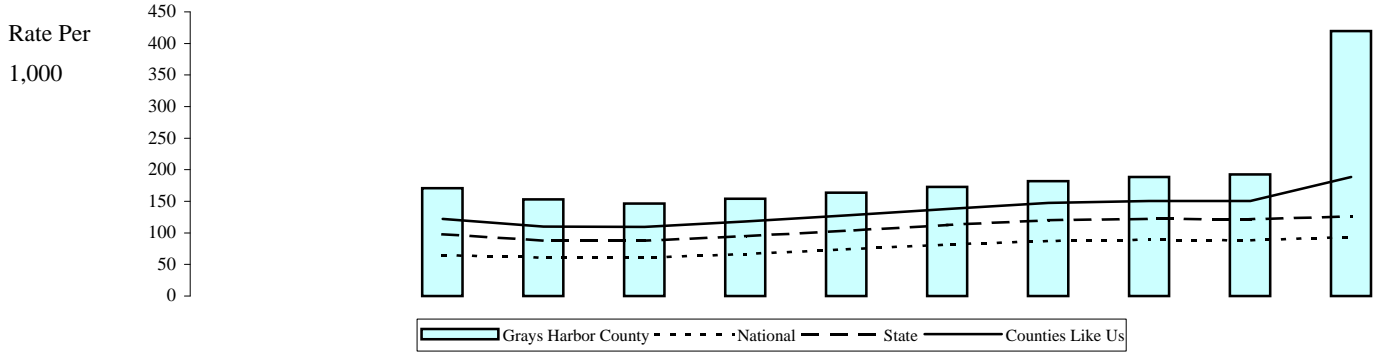
**Note:** The State and County rate are the annual number of tobacco retailer and vending machine licenses active during the year, per 1,000 persons (all ages). Tobacco retailers on military bases and reservations are not licensed by the State and therefore are not included in these data. Tobacco sales licenses include tobacco retailer licenses (stores that sell tobacco products) and tobacco vending machines. November counts are selected as representative of the average yearly number of retailers. No source of comparable national data was obtained.

**State Source:** Department of Health (from the Department of Licensing), Tobacco Prevention Program, Tobacco Statistics  
Population Estimates: Washington State Department of Health

Updated  
6/4/2009

Community Domain: Extreme Family Economic Deprivation

**Food Stamp Recipients (All Ages)**



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
National			65.03	60.93	60.74	66.31	73.82	81.48	87.03	89.44	87.96	93.57
State			97.78	87.74	87.43	94.67	103.46	112.47	119.99	121.92	121.43	126.43
Counties Like Us			121.89	109.90	109.46	118.28	127.59	137.70	147.55	150.48	150.30	188.51
Grays Harbor County			170.59	153.09	146.57	154.02	163.47	172.91	182.08	188.30	192.44	419.52
Recipients			11,489	10,287	10,040	10,535	11,247	11,965	12,709	13,257	13,625	29,743
All Persons			67,349	67,194	68,500	68,401	68,800	69,199	69,800	70,402	70,800	70,898

**Note:** The rate is the number of persons (all ages) receiving food stamps in the fiscal year, per 1,000 persons (all ages). National rates use counts of all yearly recipients. Suppression code definitions for yearly rates are explained in Technical Notes.

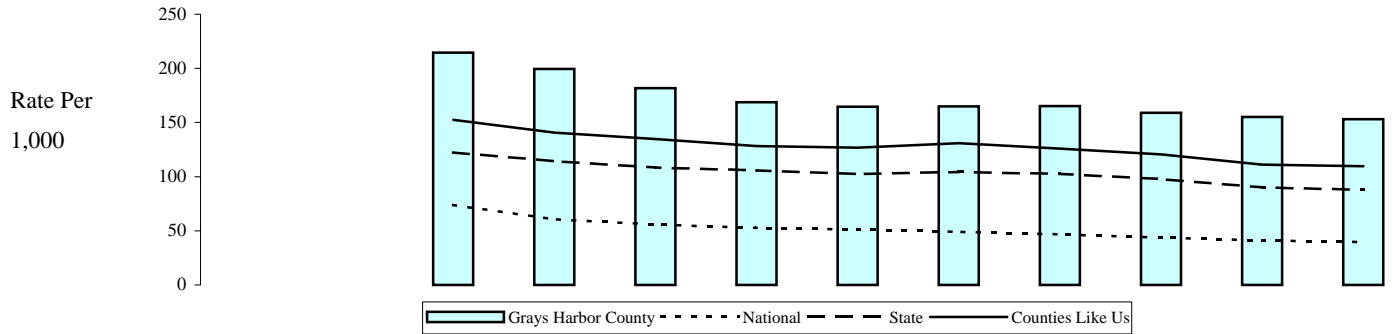
**Previously April numbers were used as the month with an average number of recipients. This has been replaced by fiscal year client counts.**

**State Source:** Department of Social and Health Services, Research and Data Analysis, Automated Client Eligibility System and Warrant Roll. Population Estimates: Washington State Department of Health

**National Source:** US Census Bureau, Statistical Abstract of the US; Federal Food Stamp Programs by State

Updated  
5/10/2009

**Temporary Assistance to Needy Families (TANF), Child Recipients**



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
National			73.93	60.61	55.85	52.64	51.08	49.19	46.59	43.80	41.13	39.65
State			122.29	114.45	108.35	105.84	102.68	104.34	102.47	97.95	90.06	87.81
Counties Like Us			152.51	140.80	134.68	128.17	126.65	130.98	125.98	120.44	111.13	109.73
Grays Harbor County			214.40	199.36	181.72	168.64	164.54	165.03	165.23	159.04	155.10	153.01
TANF Children			3,775	3,439	3,164	2,898	2,807	2,797	2,797	2,691	2,615	2,557
Children, birth-17			17,607	17,250	17,411	17,185	17,060	16,948	16,928	16,920	16,860	16,711

**Note:**The rate is the number of children (age birth-17) participating in Aid to Families (AFDC/TANF) programs in the fiscal year, per 1,000 children (age birth-17). Nationally, prior to 1997 AFDC Flash Report was used which counts children 0-17. However National TANF child recipients are defined as children 0-19 with almost no children of age 19, therefore national denominators after 1996 are for children 0-18. Suppression code definitions for yearly rates are explained in Technical Notes.

**Previously April numbers were used as the month with an average number of recipients. This has been replaced by fiscal year client counts.**

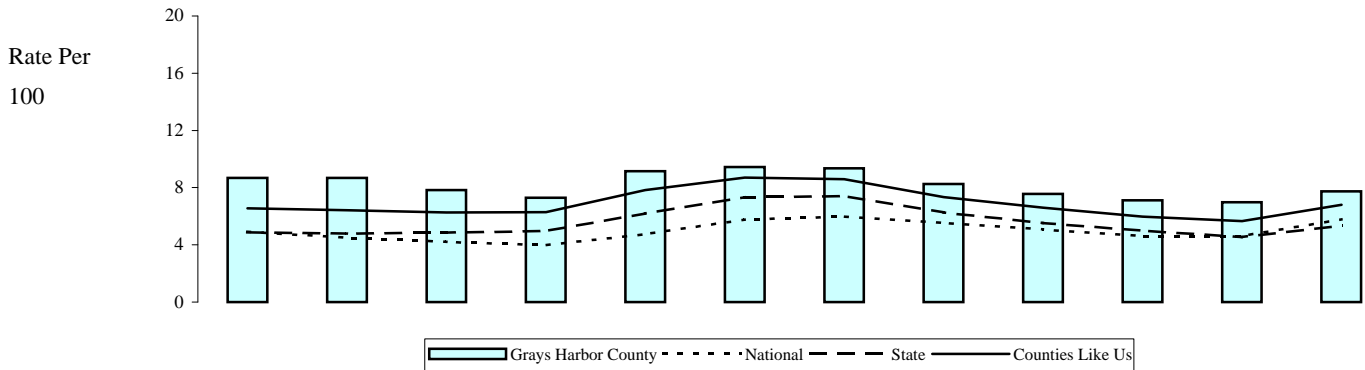
**State Source:** Department of Social and Health Services, Research and Data Analysis, Automated Client Eligibility System and Warrant Roll. Population Estimates: Washington State Department of Health

**National Source:** U.S. Department of Health & Human Services, Administration for Children and Families, Office of Planning Research and Evaluation: Characteristics and Financial Circumstances of TANF Recipients Table I-29

Updated  
5/8/2009

Community Domain: Extreme Family Economic Deprivation

**Unemployed Persons (Age 16+)**



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
National	4.93	4.49	4.20	3.99	4.75	5.78	5.98	5.52	5.07	4.61	4.61	5.80
State	4.87	4.78	4.85	4.96	6.19	7.34	7.41	6.26	5.53	4.99	4.54	5.34
Counties Like Us	6.55	6.43	6.26	6.28	7.84	8.71	8.58	7.34	6.61	5.98	5.67	6.81
Grays Harbor County	8.68	8.69	7.82	7.29	9.14	9.43	9.36	8.25	7.57	7.11	6.98	7.73
Unemployed, 16+	2,440	2,400	2,120	2,130	2,610	2,760	2,810	2,570	2,370	2,210	2,170	2,470
Labor Force, 16+	28,120	27,620	27,110	29,220	28,550	29,270	30,030	31,150	31,320	31,090	31,110	31,940

**Note:** The rate is unemployed persons (age 16 and over) per 100 persons in the civilian labor force. Unemployed persons are individuals who are currently available for work have actively looked for work, and do not have a job. The civilian labor force includes persons who are working or looking for work. The monthly numbers are a snapshot in time done approximately the 12th of each month. A yearly estimate is then produced by averaging the monthly numbers. Historical data has been updated. 2002 data should be considered preliminary. Suppression code definitions for yearly rates are explained in Technical Notes.

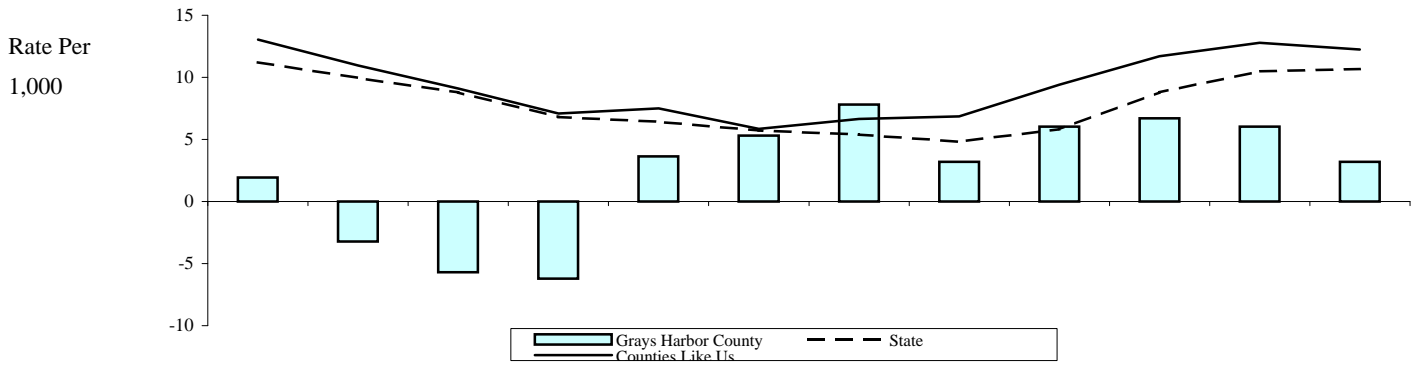
**State Source:** Employment Security Department, Labor Market and Economic Analysis, County Unemployment File

**National Source:** U.S. Department of Labor Bureau of Labor Statistics Labor Force Statistics from the Current Population Survey

Updated  
4/22/2009

Community Domain: Transitions and Mobility

Net Migration, 3 Year Moving Average



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
--	------	------	------	------	------	------	------	------	------	------	------	------

State	11.22	9.94	8.79	6.81	6.43	5.71	5.39	4.82	5.82	8.80	10.49	10.66
Counties Like Us	13.04	10.96	9.09	7.10	7.51	5.85	6.65	6.85	9.41	11.70	12.79	12.24
Grays Harbor County	1.94	-3.23	-5.69	-6.21	3.64	5.31	7.82	3.19	6.02	6.70	6.02	3.20
Resident Change	132	-218	-383	-417	249	363	538	221	420	472	426	227
All Persons	68,188	67,587	67,349	67,194	68,500	68,401	68,800	69,199	69,800	70,402	70,800	70,898

**Note:** Net migration is the annual number of new residents that moved into an area minus the number of residents that moved out of an area adding births and subtracting deaths. A 3-year moving average smooths net migration. Annual net migration estimates are summed for 3-year ranges then averaged to calculate the numerator. The **last year** of the 3 years used in the average is used for the population denominator and the year label for the average net migration value. Data is calculated from fiscal year data, for fiscal year 1998-1999 the year designation is 1999 as an average of data from fiscal years 1996-1997 to 1998-1999. Since increases and decreases in population both cause disruption to the community, the absolute value of the change is charted.

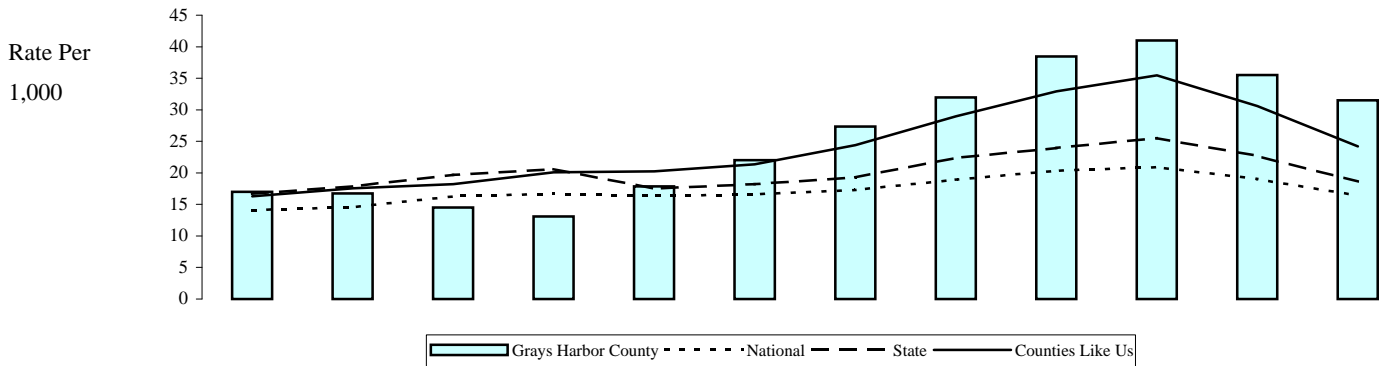
**State Source:** Office of Financial Management, Net Migration Data

Updated

12/18/2008

## Community Domain: Transitions and Mobility

### Existing Home Sales



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
National	14.09	14.54	16.29	16.67	16.32	16.60	17.28	18.90	20.35	20.91	19.04	16.41
State	16.70	17.86	19.67	20.61	17.50	18.21	19.29	22.36	23.97	25.51	22.68	18.61
Counties Like Us	16.30	17.55	18.20	20.08	20.22	21.34	24.39	28.97	32.95	35.47	30.60	24.22
Grays Harbor County	17.02	16.72	14.50	13.07	17.86	22.04	27.34	31.98	38.44	40.97	35.51	31.50
Sales	1,160	1,140	980	880	1,200	1,510	1,870	2,200	2,660	2,860	2,500	2,230
All Persons	68,162	68,188	67,587	67,349	67,194	68,500	68,401	68,800	69,199	69,800	70,402	70,800

**Note:** The rates are the annual number of previously-owned homes sold, per 1,000 persons (all ages). Previously-owned homes sold is rounded to the tens. Existing homes sold are estimated based on data from multiple listing services, firms that monitor deeds, and local Realtors associations. Adjustments were made by the data provider to remove refinanced, rather than sold homes from the counts of sales.

**State Source:** Washington Center for Real Estate Research, Washington State University, Washington State's Housing Market: A Supply/Demand Assessment. Population Estimates: Washington State Department of Health

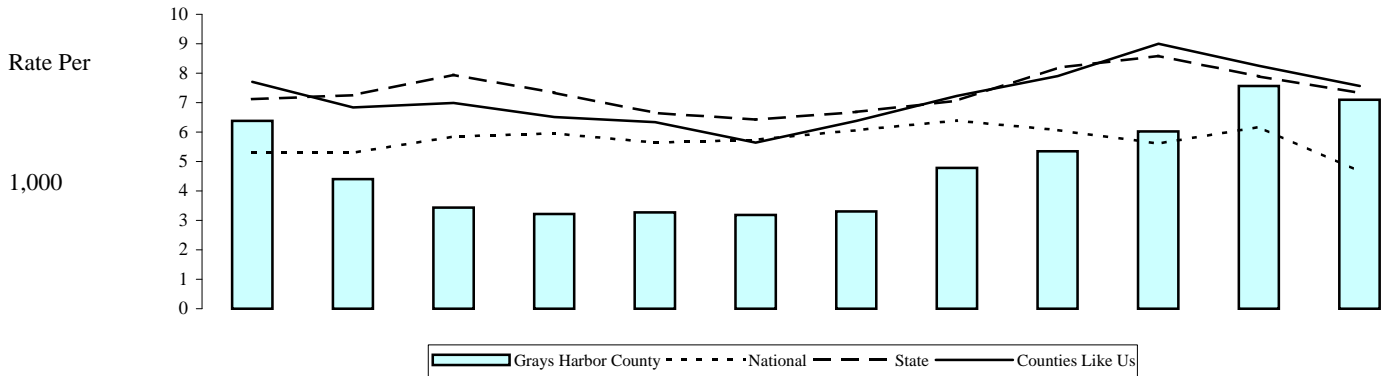
**National Source:** US Census Bureau, Statistical Abstract of the US; Existing One-family houses sold

Updated

10/28/2008

Community Domain: Transitions and Mobility

**New Residence Construction**



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
National	5.29	5.29	5.85	5.96	5.64	5.74	6.07	6.39	6.06	5.61	6.17	4.65
State	7.12	7.25	7.95	7.34	6.65	6.42	6.69	7.07	8.18	8.59	7.89	7.33
Counties Like Us	7.71	6.84	6.99	6.51	6.34	5.64	6.38	7.23	7.90	9.00	8.25	7.57
Grays Harbor County	6.38	4.40	3.43	3.22	3.27	3.18	3.30	4.78	5.35	6.02	7.57	7.10
New Residences	435	300	232	217	220	218	226	329	370	420	533	503
All Persons	68,162	68,188	67,587	67,349	67,194	68,500	68,401	68,800	69,199	69,800	70,402	70,800

**Note:** The rates are the annual number of new building permits issued for single and multi-family dwellings, per 1,000 persons (all ages). Each unit in a multi-family dwelling (for example, each apartment in a building) has a separate building permit.

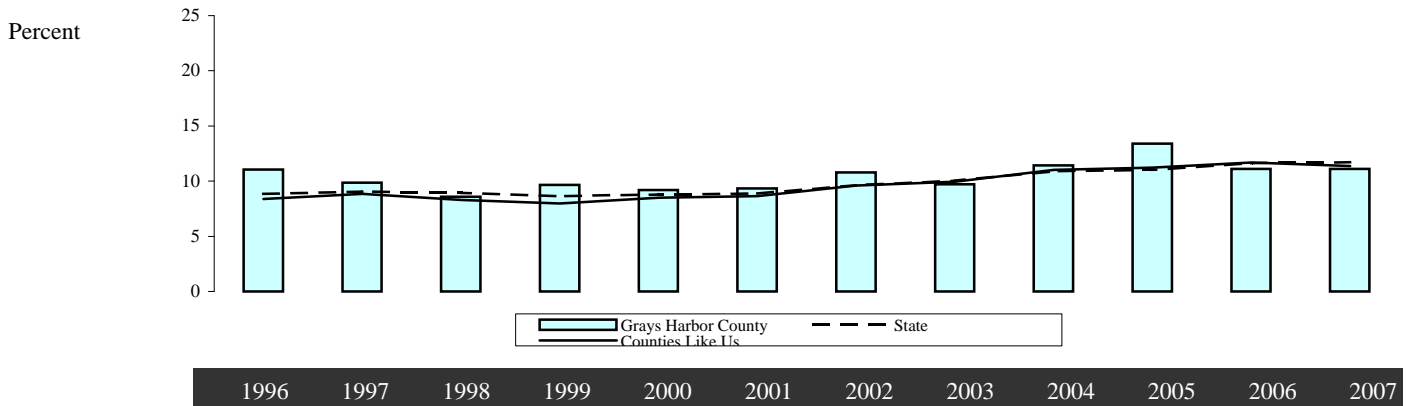
**State Source:** Washington Center for Real Estate Research, Washington State University, Washington State's Housing Market: A Supply/Demand Assessment. Population Estimates: Washington State Department of Health

**National Source:** US Census Bureau, Statistical Abstract of the US; New Privately Owned Housing Units Started

Updated  
10/28/2008

Community Domain: Alcohol or Drug-related Problems

**Alcohol- or Drug-Related Deaths**



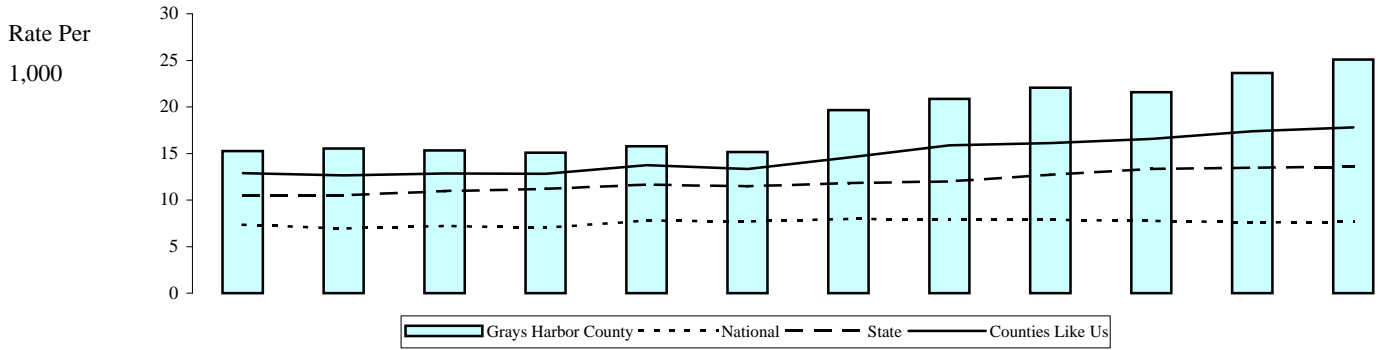
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
State	8.85	9.04	8.92	8.65	8.80	8.87	9.62	10.03	10.91	11.01	11.62	11.71
Counties Like Us	8.37	8.84	8.29	7.98	8.49	8.63	9.59	9.94	11.02	11.22	11.69	11.37
Grays Harbor County	11.05	9.85	8.59	9.66	9.20	9.34	10.79	9.71	11.42	13.41	11.11	11.10
AOD-related	81	79	63	71	74	78	85	73	89	103	81	92
Deaths	733	802	733	735	804	835	788	752	779	768	729	829

**Note:** The rates are the annual number of deaths, with alcohol- or drug-related causes, per 100 deaths. Evaluation is based on all contributory causes of death for direct and indirect associations with alcohol and drug abuse. For a complete explanation of the codes and methods used please see Technical Notes: Counting Alcohol- or Drug-related Deaths. Suppression code definitions for yearly rates are explained in Technical Notes. Rates are not reported when fewer than 100 deaths occurred in an area.

**State Source:** Department of Health, Center for Health Statistics, Death Certificate Data File

Updated  
11/21/2008

**Clients of State-Funded Alcohol or Drug Services (Age 18+)**



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
National	7.37	6.95	7.21	7.02	7.79	7.70	7.98	7.89	7.87	7.76	7.59	7.65
State	10.49	10.52	10.96	11.20	11.64	11.47	11.82	11.98	12.73	13.32	13.47	13.58
Counties Like Us	12.88	12.64	12.86	12.81	13.74	13.33	14.56	15.88	16.13	16.57	17.39	17.80
Grays Harbor County	15.26	15.52	15.32	15.08	15.78	15.15	19.64	20.87	22.07	21.58	23.63	25.08
Admits, 18+	759	774	761	750	788	774	1,006	1,080	1,153	1,141	1,264	1,353
Persons, 18+	49,725	49,879	49,666	49,742	49,944	51,089	51,217	51,740	52,252	52,872	53,482	53,940

**Note:** The rates are the annual number of adults (age 18 and over) receiving state-funded alcohol or drug services, per 1,000 adults. Counts of adults are unduplicated so that those receiving services more than once during the year are only counted once for that year. State-funded services include treatment, assessment, and detox. Persons in Department of Corrections treatment programs are not included.

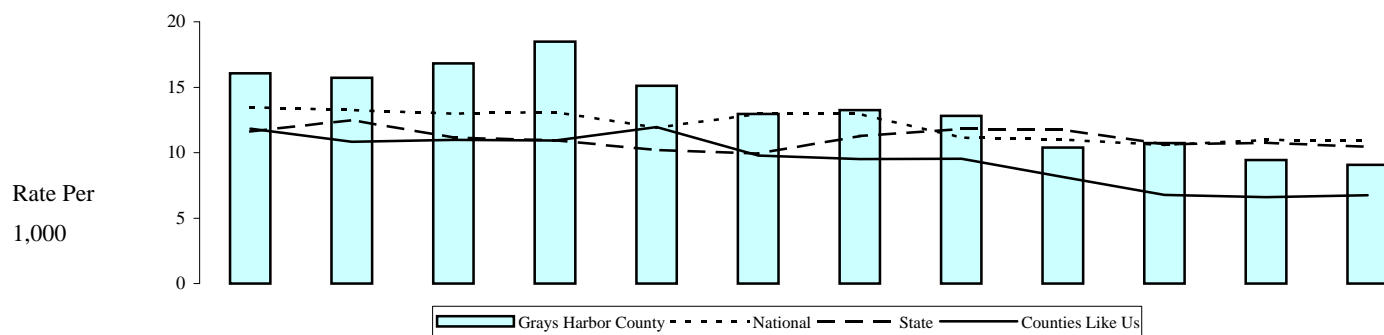
**State Source:** Department of Social and Health Services, Division of Alcohol and Substance Abuse, Treatment and Assessment Report Generation Tool (TARGET). Population Estimates: Washington State Department of Health

**National Source:** Office of Applied Studies, Substance Abuse and Mental Health Services Administration, Treatment Episode Data Set (TEDS)

Updated  
9/23/2008

## Community Domain: Alcohol or Drug-related Problems

### Arrests (Age 18+), Alcohol-Related



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
National	13.46	13.25	12.99	13.11	11.90	12.95	12.96	11.15	11.00	10.59	10.97	10.90
State	11.62	12.50	11.14	10.95	10.20	9.93	11.27	11.80	11.75	10.64	10.75	10.44
Counties Like Us	11.83	10.83	10.98	10.93	11.95	9.77	9.51	9.54	8.13	6.77	6.59	6.74
Grays Harbor County	16.06	15.73	16.81	18.48	15.12	12.95	13.25	12.80	10.40	10.73	9.43	9.07
Arrests, 18+	777	769	801	894	734	641	659	643	532	556	490	480
Adjst'd Pop 18+	48,388	48,889	47,658	48,373	48,561	49,506	49,722	50,254	51,178	51,794	51,955	52,912

**Note:** The rates are the alcohol violations (age 18+), per 1,000 adults (age 18+). Alcohol violations include all crimes involving driving under the influence, liquor law violations, and drunkenness. DUI arrests by the Washington State Patrol (29% of all Adult Alcohol-related Arrests) are included in the state trend analysis. However, they are not included in the county rankings since WSP arrests are not assigned to counties. Data may differ from our last report because of refinements to our population adjustment process. Denominators are adjusted by subtracting the population of police agencies that did not report arrests to UCR. In spite of this population adjustment, when the non-reporting police jurisdiction is where much of the crime occurs, the rate for the county will be lower than it would be if that jurisdiction was included. For percent subtracted, suppression code definitions and the agencies not reporting, see the Technical Notes and the appendix on Non-Reporting Agencies and Population.

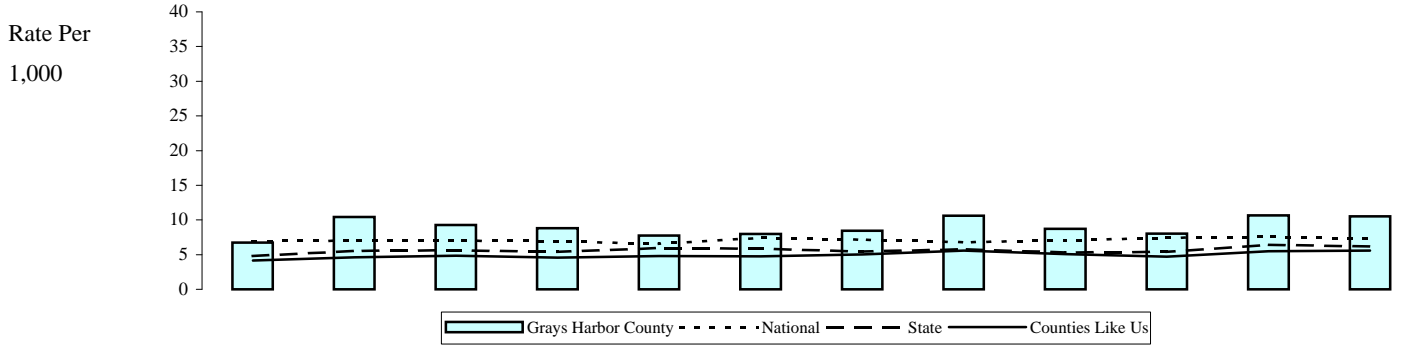
**State Source:** Washington Association of Sheriffs and Police Chiefs, Uniform Crime Report (UCR), Tables 40 and 50. Population Estimates: Washington State Department of Health

**National Source:** US Department of Justice, Bureau of Justice Statistics Sourcebook of Criminal Justice Statistics Online

Updated  
10/21/2008

Community Domain: Alcohol or Drug-related Problems

**Arrests (Age 18+), Drug Law Violation**



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
National	6.93	7.02	7.01	6.92	6.56	7.43	7.13	6.77	7.06	7.44	7.58	7.29
State	4.78	5.53	5.62	5.41	5.93	5.86	5.45	5.78	5.31	5.38	6.40	6.20
Counties Like Us	4.17	4.63	4.85	4.56	4.80	4.73	5.01	5.60	5.09	4.71	5.47	5.56
Grays Harbor County	6.74	10.41	9.27	8.79	7.74	7.96	8.43	10.61	8.70	8.05	10.64	10.53
Arrests, 18+	326	509	442	425	376	394	419	533	445	417	553	557
Adjst'd Pop 18+	48,388	48,889	47,658	48,373	48,561	49,506	49,722	50,254	51,178	51,794	51,955	52,912

**Note:** The rates are the annual number of arrests of adults (age 18+) for drug law violations, per 1,000 adults (age 18+). Drug law violations include all crimes involving sale, manufacturing, and possession of drugs. Data may differ from our last report because of refinements to our population adjustment process. Denominators are adjusted by subtracting the population of police agencies that did not report arrests to UCR. In spite of this population adjustment, when the non-reporting police jurisdiction is where much of the crime occurs, the rate for the county will be lower than it would be if that jurisdiction was included. For percent subtracted, suppression code definitions and the agencies not reporting, see the Technical Notes and the appendix on Non-Reporting Agencies and Population.

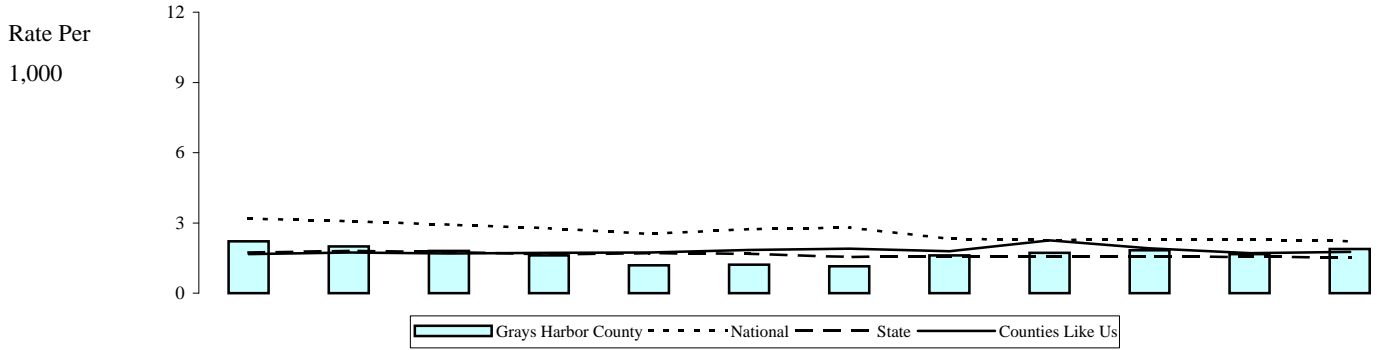
**State Source:** Washington Association of Sheriffs and Police Chiefs, Uniform Crime Report (UCR), Tables 40 and 50. Population Estimates: Washington State Department of Health

**National Source:** US Department of Justice, Bureau of Justice Statistics Sourcebook of Criminal Justice Statistics Online

Updated  
10/21/2008

Community Domain: Adult Violent Crime

Arrests (Age 18+), Violent Crime



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
National	3.18	3.07	2.92	2.77	2.53	2.73	2.80	2.32	2.27	2.30	2.29	2.22
State	1.74	1.81	1.76	1.65	1.71	1.68	1.54	1.58	1.59	1.57	1.54	1.53
Counties Like Us	1.67	1.73	1.70	1.72	1.74	1.84	1.90	1.79	2.25	1.92	1.71	1.76
Grays Harbor County	2.21	2.00	1.80	1.61	1.19	1.21	1.15	1.61	1.72	1.83	1.67	1.89
Arrests, 18+	107	98	86	78	58	60	57	81	88	95	87	100
Adjst'd Pop 18+	48,388	48,889	47,658	48,373	48,561	49,506	49,722	50,254	51,178	51,794	51,955	52,912

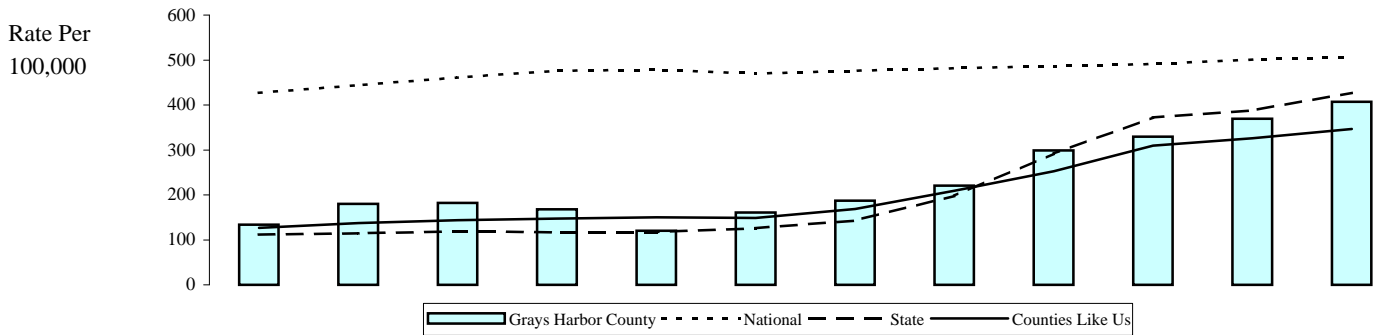
**Note:** The rates are the annual number of arrests of adults (age 18+) for violent crime per 1,000 adults (age 18+). Violent crimes include all crimes involving criminal homicide, forcible rape, robbery, and aggravated assault. Simple assault is not defined as a violent crime. Data may differ from our last report because of refinements to our population adjustment process. Denominators are adjusted by subtracting the population of police agencies that did not report arrests to UCR. In spite of this population adjustment, when the non-reporting police jurisdiction is where much of the crime occurs, the rate for the county will be lower than it would be if that jurisdiction was included. For percent subtracted, suppression code definitions and the agencies not reporting, see the Technical Notes and the appendix on Non-Reporting Agencies and Population.

**State Source:** Washington Association of Sheriffs and Police Chiefs, Uniform Crime Report (UCR), Tables 40 and 50. Population Estimates: Washington State Department of Health

**National Source:** US Department of Justice, Bureau of Justice Statistics Sourcebook of Criminal Justice Statistics Online

Updated  
10/21/2008

**Prisoners in State Correctional Systems (Age 18+)**



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
National	427.00	444.00	461.00	476.00	478.00	470.00	476.00	482.00	486.00	491.00	501.00	506.00
State	111.39	114.91	118.61	116.78	117.73	125.89	143.14	198.09	291.89	372.42	387.96	427.28
Counties Like Us	126.34	137.46	143.67	147.43	150.33	148.78	168.42	209.05	252.99	309.55	325.99	346.57
Grays Harbor County	133.51	180.38	181.99	167.78	120.55	160.58	187.13	220.93	299.14	329.51	369.31	406.78
Prisoners, 18+	91	123	123	113	81	110	128	152	207	230	260	288
All Persons	68,162	68,188	67,587	67,349	67,194	68,500	68,401	68,800	69,199	69,800	70,402	70,800

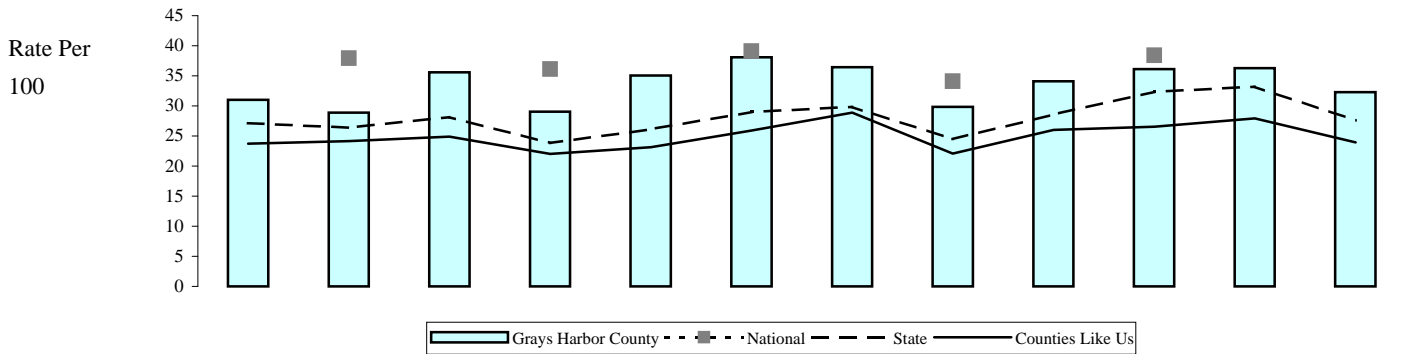
**Note:** The rate is the annual number of adult (age 18 and over) admissions to prison, per 100,000 persons (all ages). Admissions include new admissions, re-admissions, community custody inmate violations, and parole violations. Counts of admissions are duplicated so that individuals admitted to prison more than once in a year are counted each time they are admitted. The admissions are attributed to the county where the conviction occurred. In 2003 prisoners being electronically monitored are included in the data. This causes a jump in numbers for counties which use this incarceration option. National data after 1998 are not available in an equivalent form. Suppression code definitions for yearly rates are explained in Technical Notes.

**State Source:** Department of Corrections, Inmates File. Population Estimates: Washington State Department of Health

**National Source:** Bureau of Justice Statistics Correctional Populations in the U.S.

Updated  
6/10/2008

### Population Not Registered to Vote



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
National		37.90		36.10		39.10		34.10		38.40		
State	27.12	26.38	28.12	23.85	26.11	28.97	29.84	24.49	28.58	32.36	33.20	27.54
Counties Like Us	23.75	24.13	24.88	22.02	23.13	25.88	28.86	22.06	26.01	26.52	27.93	23.93
Grays Harbor County	31.00	28.89	35.59	29.05	35.03	38.06	36.43	29.86	34.08	36.12	36.30	32.27
Not Registered	15,460	14,349	17,704	14,510	17,896	19,492	18,851	15,605	18,018	19,318	19,582	17,485
Persons, 18+	49,879	49,666	49,742	49,944	51,089	51,217	51,740	52,252	52,872	53,482	53,940	54,187

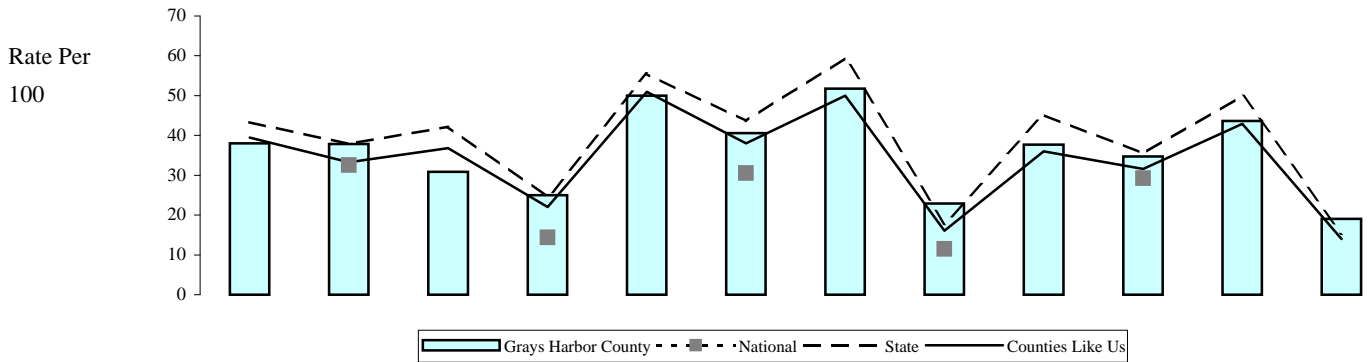
**Note:** The rate is the annual number of persons not registered to vote in the November elections, per 100 adults (age 18 and over). As part of the November Current Population Survey (the Voting and Registration Supplement), the Bureau of the Census collects data on voting and registration in years with presidential or congressional elections (i.e. every other year).

**State Source:** Office of the Secretary of State, Elections Division, Registered Voters. Population Estimates: Washington State Department of Health

**National Source:** Calculated using data from U.S. Census Bureau, Statistical Abstract of the United States; "Voting-Age Population, Percent Reporting Registered, and Voted: 1980 to 2000"

Updated  
2/1/2009

### Registered And Not Voting in the November Election



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
National		32.53		14.40		30.54		11.53		29.22		
State	43.35	37.83	42.23	24.54	55.49	43.65	59.51	17.81	45.18	35.45	49.96	15.39
Counties Like Us	39.43	33.29	36.84	22.00	50.97	38.02	49.95	16.07	36.04	31.61	42.93	14.00
Grays Harbor County	37.99	37.83	30.83	24.98	49.95	40.61	51.79	22.90	37.73	34.74	43.64	19.05
Not Voting	13,076	13,361	9,876	8,851	16,581	12,883	17,032	8,391	13,149	11,868	14,993	6,993
Reg'd Voters	34,419	35,317	32,038	35,434	33,193	31,725	32,889	36,647	34,854	34,164	34,358	36,702

**Note:** The rate is the annual number of persons registered to vote in the November elections but not voting, per 100 adults (age 18 and over) registered to vote. As part of the November Current Population Survey (the Voting and Registration Supplement), the Bureau of the Census collects data on voting and registration in years with presidential or congressional elections (i.e. every other year).

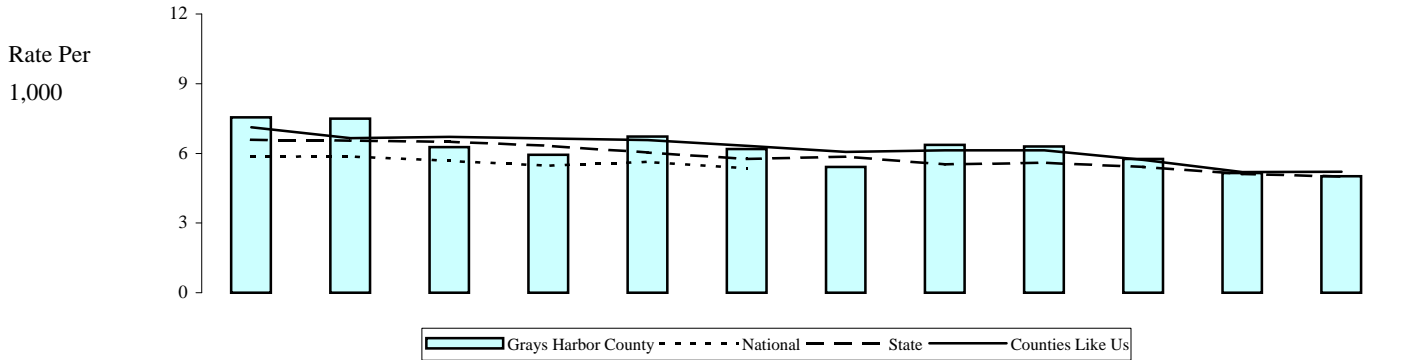
**State Source:** Office of the Secretary of State, Elections Division, Registered Voters. Population Estimates: Washington State Department of Health

**National Source:** Calculated using data from U.S. Census Bureau, Statistical Abstract of the United States; "Voting-Age Population, Percent Reporting Registered, and Voted: 1980 to 2000"

Updated  
2/1/2009

## Family Domain: Family Problems

### Divorce



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
National	5.86	5.87	5.67	5.47	5.64	5.36						
State	6.59	6.54	6.50	6.33	6.04	5.76	5.86	5.53	5.59	5.41	5.11	5.00
Counties Like Us	7.12	6.66	6.71	6.64	6.57	6.33	6.06	6.13	6.13	5.72	5.19	5.21
Grays Harbor County	7.55	7.50	6.27	5.94	6.73	6.19	5.41	6.36	6.30	5.76	5.15	5.02
Divorces	400	399	332	315	358	337	295	350	350	324	293	288
Persons, 15+	52,981	53,200	52,991	53,041	53,234	54,432	54,526	55,042	55,542	56,220	56,871	57,346

**Note:** The State and County rates are the annual number of divorces per 1,000 persons (age 15 and over). Divorce includes dissolutions, annulments, and unknown decree types; it does not include legal separations. Divorce data is reported by the woman's residence, if in Washington at the time of decree. If the woman lived outside Washington, the man's residence was used. If both parties residence was unknown the event is not assigned to a county, but is included in the state rate. The National rate is based on age 18 and over population. Suppression code definitions for yearly rates are explained in Technical Notes.

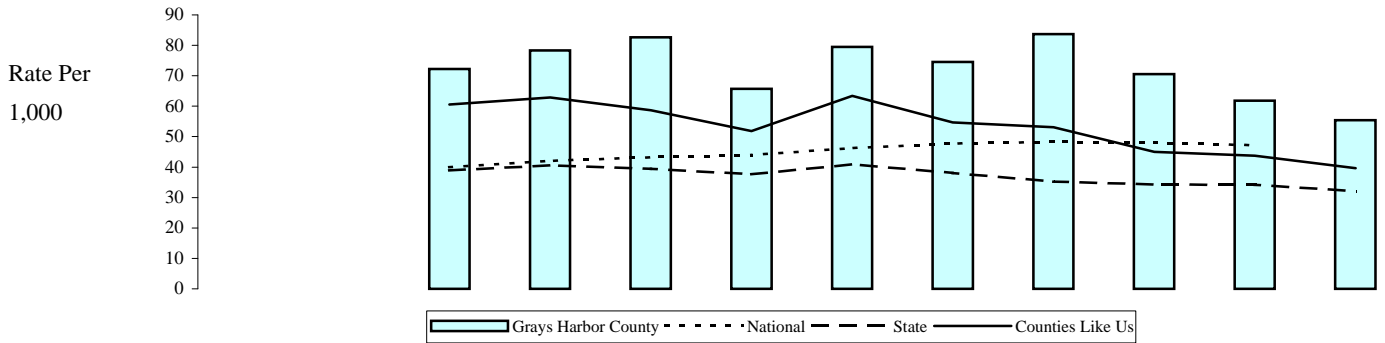
**State Source:** Department of Health, Center for Health Statistics, Dissolution and Annulment Data. Population Estimates: Washington State Department of Health

**National Source:** Calculated using Department of Health and Human Services, Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System, National Vital Statistics Reports Births, Marriages, Divorces, and Deaths, Provisional Data for August 2001

Updated  
11/3/2008

Family Domain: Family Problems

**Victims of Child Abuse and Neglect in Accepted Referrals**



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
National			40.00	42.01	43.21	43.93	46.30	47.74	48.30	47.90	47.20	
State			38.88	40.63	39.43	37.60	40.87	38.06	35.26	34.30	34.15	32.07
Counties Like Us			60.60	62.85	58.66	51.84	63.35	54.66	53.14	44.98	43.78	39.64
Grays Harbor County			72.24	78.32	82.65	65.70	79.48	74.58	83.71	70.57	61.86	55.41
Accepted Victims			1,272	1,351	1,439	1,129	1,356	1,264	1,417	1,194	1,043	926
Persons, birth-17			17,607	17,250	17,411	17,185	17,060	16,948	16,928	16,920	16,860	16,711

**Note:** The rates are the annual number of children (age birth-17) identified as victims in reports to Child Protective Services that were accepted for further action, per 1,000 children (age birth-17). Children are counted more than once if they are reported as a victim more than once during the year. A "referral" is a report of suspected child abuse. Child counts are now taken directly from Children's Administration, Administrative Services, Case Management Information System (CAMIS) rather than from CAMIS through Kid's Count as done in previous reports. Numbers may differ due to corrections or changes in location definition made in the database extraction process. Child location is derived from the residence at the time of referral. Suppression code definitions for yearly rates are explained in Technical Notes.

**State Source:** Department of Social and Health Services, Children's Administration, Administrative Services, Case Management Information System (CAMIS). Population Estimates: Washington State Department of Health

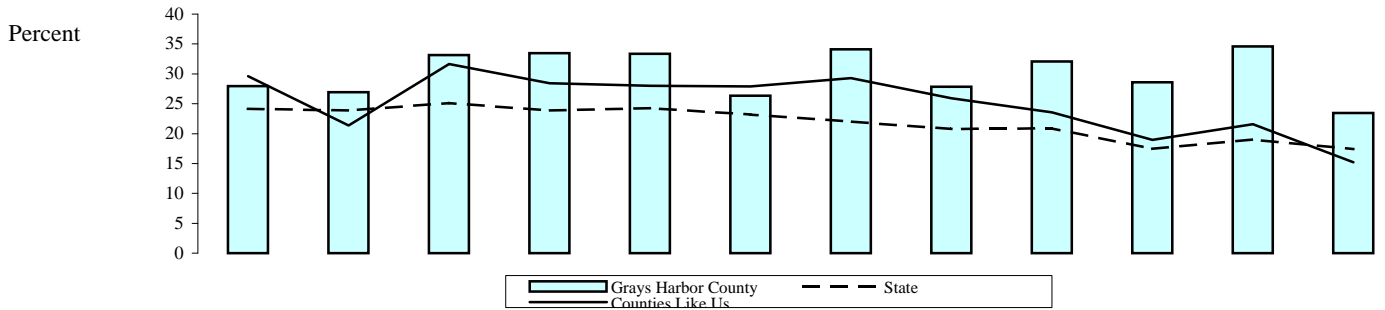
**National Source:** US Department of Health and Human Services Administration for Children and Families, Voluntary Cooperative Information System (VCIS), and estimates from Adoption, Foster Care Analysis Reporting System (AFCARS)

Updated  
5/20/2009

School Domain: Senior Class Loss

**Freshmen Who Leave School Before Their Senior Year**

A Comparison of Senior Class as a Percent of Freshman Class Enrollment



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
State	24.15	23.88	25.10	23.87	24.25	23.18	21.99	20.78	20.88	17.43	19.03	17.39
Counties Like Us	29.59	21.36	31.65	28.44	28.01	27.89	29.29	25.90	23.57	18.93	21.57	15.21
Grays Harbor County	27.94	26.96	33.17	33.46	33.36	26.37	34.12	27.86	32.08	28.57	34.59	23.46
Senior Attrition	333	326	419	429	418	312	435	312	408	338	396	248
Freshman Enrollment	1,192	1,209	1,263	1,282	1,253	1,183	1,275	1,120	1,272	1,183	1,145	1,057

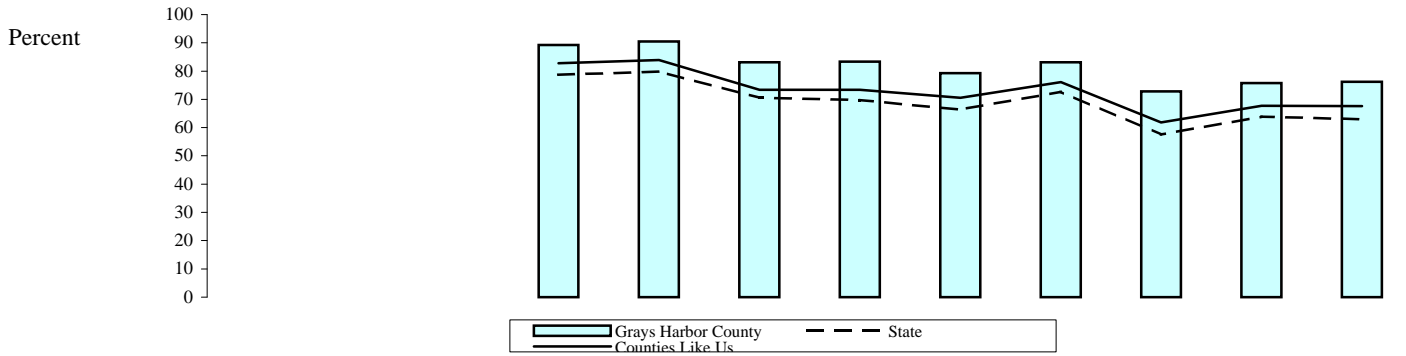
**Note:** Where senior enrollment is smaller than freshman enrollment the rate is the annual number fewer seniors as a percent of freshman October enrollment. When senior enrollment is greater than freshman enrollment the rate is zero.

**State Source:** Office of Superintendent of Public Instruction, Information Services, October Enrollment Files.

Updated  
3/26/2009

School Domain: Low School Test Scores

Poor Academic Performance, Grade 10 Washington Assessment of Student Learning (WASL)



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
--	------	------	------	------	------	------	------	------	------	------	------	------

State				78.69	79.88	70.51	69.78	66.38	72.68	57.51	63.92	62.97
Counties Like Us				82.73	83.94	73.44	73.34	70.56	76.13	61.87	67.71	67.65
Grays Harbor County				89.28	90.44	83.15	83.32	79.23	83.08	72.78	75.71	76.19
Low Scorers				983	946	849	829	759	756	655	536	496
Tested, 10th grade				1,101	1,046	1,021	995	958	910	900	708	651

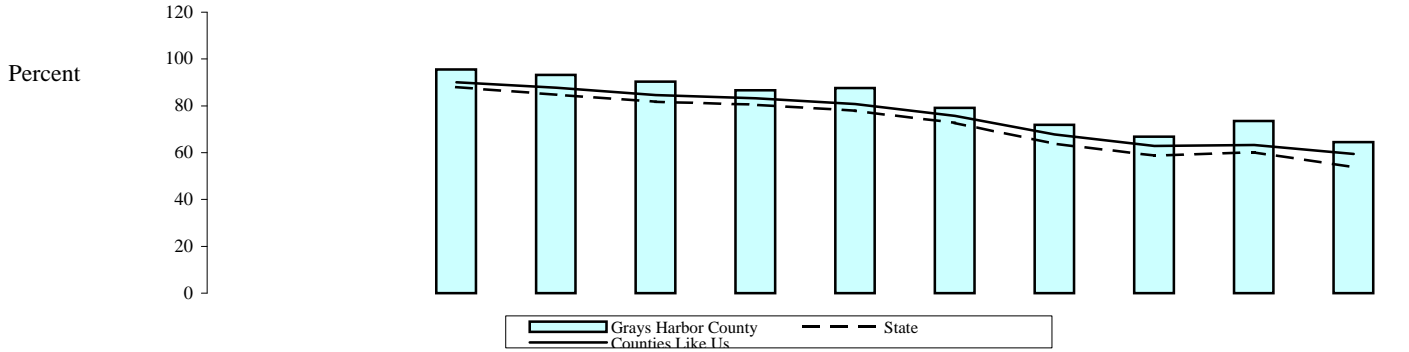
**Note:** The State and County rates are the annual number of tenth graders who failed one or more content areas in the Washington Assessment of Student Learning (WASL). Tests are given in the spring of the year. For example, data for 2002 is for students in the 10th grade during the school year 2001/2002. Previous reports used 1990 Census population distributions to allocate school district data to counties. Census population distributions for 2000 are now being used and event counts differ slightly in some counties.

**State Source:** Office of Superintendent of Public Instruction, Instructional Programs, Curriculum and Assessment, Grade 10 Failing In One Or More Content Areas.

Updated  
10/25/2007

School Domain: Low School Test Scores

Poor Academic Performance, Grade 7 Washington Assessment of Student Learning (WASL)



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
--	------	------	------	------	------	------	------	------	------	------	------	------

State			88.06	84.67	81.74	80.45	77.90	72.76	63.80	58.74	60.11	53.91
Counties Like Us			90.13	87.71	84.57	83.29	80.72	75.76	67.73	62.85	63.27	59.47
Grays Harbor County			95.58	93.15	90.31	86.61	87.58	79.07	71.88	66.78	73.50	64.47
Low Scorers			1,038	966	913	854	818	816	703	613	588	519
Tested, 7th grade			1,086	1,037	1,011	986	934	1,032	978	918	800	805

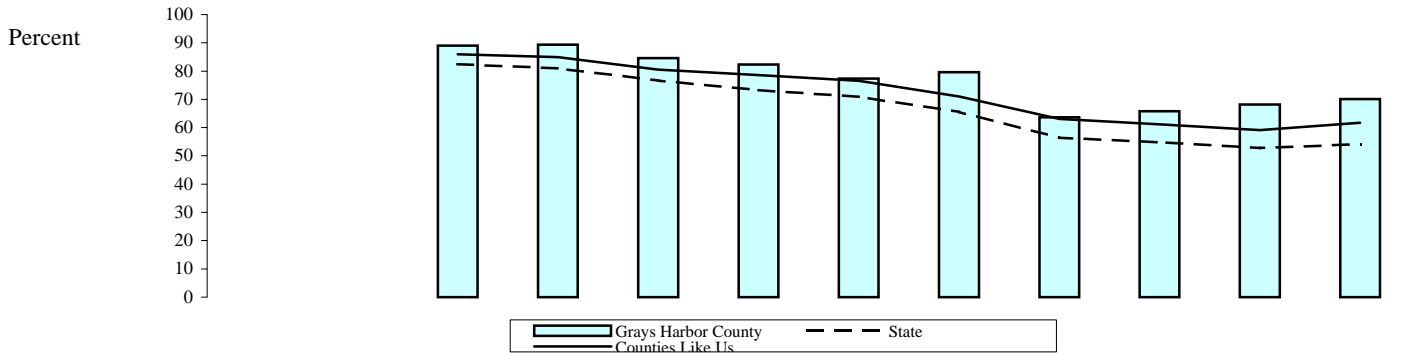
**Note:** The State and County rates are the annual number of seventh graders who failed one or more content areas in the Washington Assessment of Student Learning (WASL). Tests are given in the spring of the year. Data for 2002 is for students in the 7th grade during the school year 2001/2002. Previous reports used 1990 Census population distributions to allocate school district data to counties. Census population distributions for 2000 are now being used and event counts differ slightly in some counties.

**State Source:** Office of Superintendent of Public Instruction, Instructional Programs, Curriculum and Assessment, Grade 7 Failing In One Or More Content Areas.

Updated  
10/25/2007

School Domain: Low School Test Scores

Poor Academic Performance, Grade 4 Washington Assessment of Student Learning (WASL)



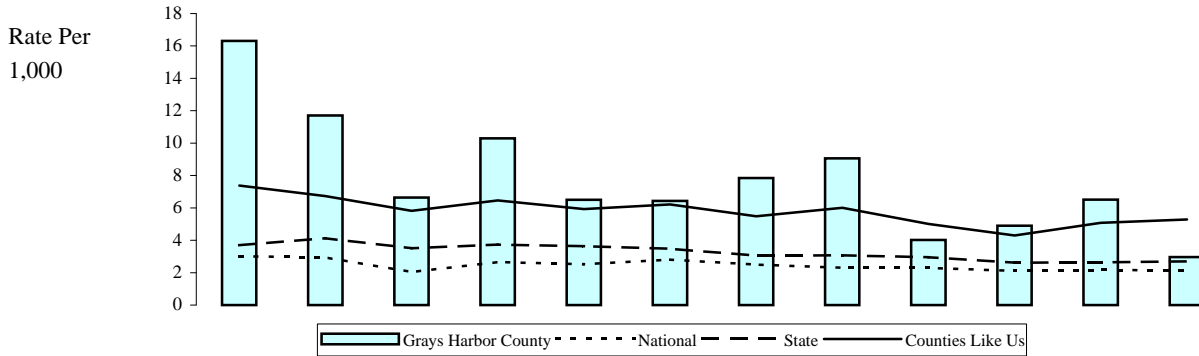
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
State			82.42	80.97	76.68	73.30	70.86	65.56	56.39	54.78	52.83	54.08
Counties Like Us			86.00	84.94	80.57	78.56	76.58	71.04	63.12	61.13	59.16	61.75
Grays Harbor County			88.96	89.34	84.58	82.33	77.33	79.57	63.64	65.80	68.18	70.07
Low Scorers			854	838	856	769	689	662	511	529	512	583
Tested, 4th grade			960	938	1,012	934	891	832	803	804	751	832

**Note:** The State and County rates are the annual number of fourth graders who failed one or more content areas in the Washington Assessment of Student Learning (WASL). Tests are given in the spring of the year. Data for 2002 is for students in 4th grade during the school year 2001/2002. Previous reports used 1990 Census population distributions to allocate school district data to counties. Census population distributions for 2000 are now being used and event counts differ slightly in some counties.

**State Source:** Office of Superintendent of Public Instruction, Instructional Programs, Curriculum and Assessment, Grade 4 Failing In One Or More Content Areas.

Updated  
10/25/2007

**Arrests (Age 10-14), Alcohol- or Drug-Related**



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
National	3.01	2.94	2.04	2.66	2.52	2.81	2.50	2.30	2.29	2.11	2.17	2.13
State	3.69	4.13	3.51	3.73	3.64	3.48	3.05	3.07	2.95	2.62	2.64	2.70
Counties Like Us	7.38	6.73	5.82	6.46	5.93	6.21	5.48	6.01	5.01	4.30	5.08	5.29
Grays Harbor County	16.31	11.71	6.64	10.29	6.50	6.43	7.84	9.06	4.02	4.90	6.51	2.96
Arrests, 10-14	85	61	33	51	32	32	39	45	20	24	31	14
Adjst'd Pop 10-14	5,212	5,207	4,970	4,955	4,923	4,978	4,976	4,966	4,978	4,900	4,761	4,735

**Note:** The rates are the annual number of arrests of younger adolescents (age 10-14) for alcohol and drug law violations, per 1,000 adolescents (age 10-14). Alcohol violations include all crimes involving driving under the influence, liquor law violations, and drunkenness. For children, arrests for liquor law violations are usually arrests for minor in possession. Drug law violations include all crimes involving sale, manufacturing, and possession of drugs.

1) Data may differ from our last report because of refinements to our population adjustment process. Denominators are adjusted by subtracting the population of police agencies that did not report arrests to Uniform Crime Report (UCR). In spite of this population adjustment, when the non-reporting police jurisdiction is where much of the crime occurs, the rate for the county will be lower than it would be if that jurisdiction was included. For percent subtracted, suppression code definitions and the agencies not reporting, see the Technical Notes and the appendix on Non-Reporting Agencies and Population.

2) The DUI portion of this measure is likely understated, because arrests made by the State Patrol (approximately 40% of DUI arrests) are not attributable to counties. State Patrol arrests are included in the state rates.

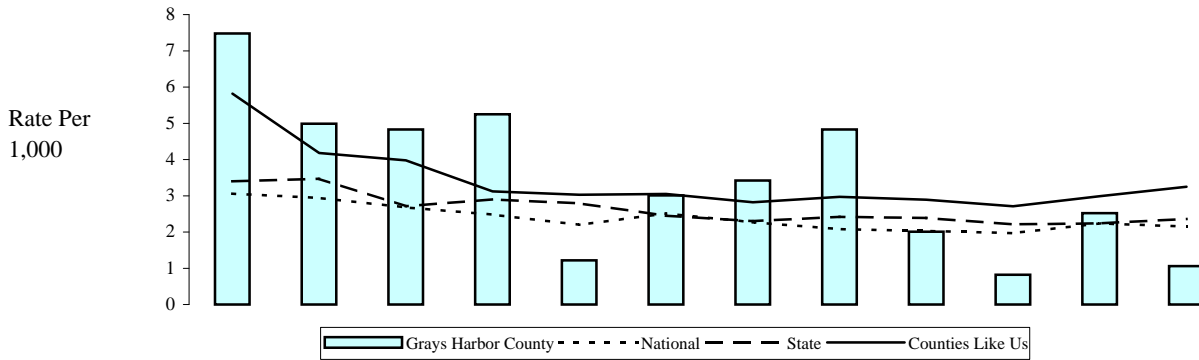
**State Source:** Washington Association of Sheriffs and Police Chiefs, Uniform Crime Report (UCR), Tables 40 and 50. Population Estimates: Washington State Department of Health

**National Source:** US Department of Justice, Bureau of Justice Statistics Sourcebook of Criminal Justice Statistics Online

Updated  
10/21/2008

Individual/Peer Domain: Early Criminal Justice Involvement

Arrests (Age 10-14), Vandalism



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
National	3.06	2.94	2.68	2.48	2.20	2.51	2.27	2.08	2.03	1.97	2.24	2.15
State	3.40	3.47	2.71	2.90	2.79	2.45	2.30	2.42	2.39	2.21	2.24	2.36
Counties Like Us	5.82	4.18	3.98	3.12	3.03	3.05	2.82	2.97	2.89	2.71	2.99	3.25
Grays Harbor County	7.48	4.99	4.83	5.25	1.22	3.01	3.42	4.83	2.01	0.82	2.52	1.06
Arrests, 10-14	39	26	24	26	6	15	17	24	10	4	12	5
Adjst'd Pop 10-14	5,212	5,207	4,970	4,955	4,923	4,978	4,976	4,966	4,978	4,900	4,761	4,735

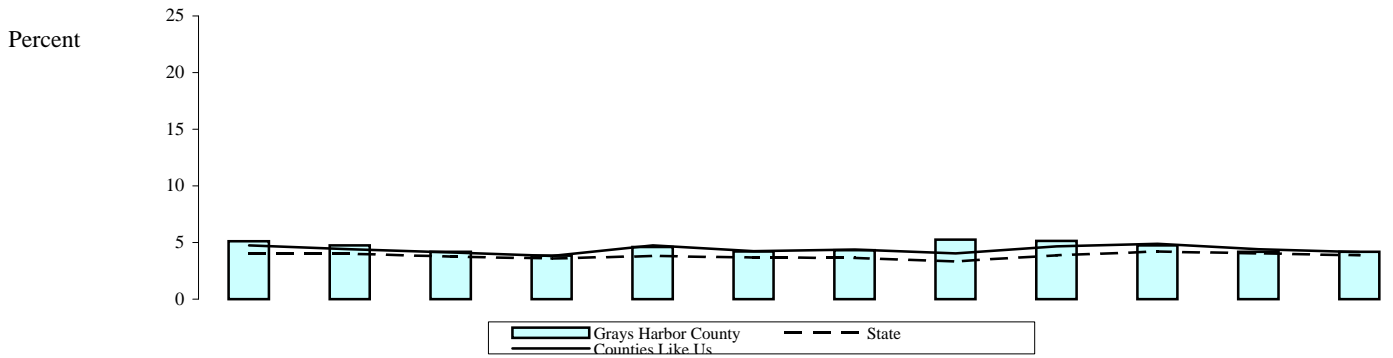
**Note:** The rates are the annual number of arrests of younger adolescents (age 10-14) for vandalism (including residence, non-residence, vehicles, venerated objects, police cars, or other) per 1,000 adolescents (age 10-14). Data may differ from our last report because of refinements to our population adjustment process. Denominators are adjusted by subtracting the population of police agencies that did not report arrests to UCR. In spite of this population adjustment, when the non-reporting police jurisdiction is where much of the crime occurs, the rate for the county will be lower than it would be if that jurisdiction was included. For percent subtracted, suppression code definitions and the agencies not reporting, see the Technical Notes and the appendix on Non-Reporting Agencies and Population.

**State Source:** Washington Association of Sheriffs and Police Chiefs, Uniform Crime Report (UCR), Tables 40 and 50. Population Estimates: Washington State Department of Health

**National Source:** US Department of Justice, Bureau of Justice Statistics Sourcebook of Criminal Justice Statistics Online

Updated  
10/21/2008

### Injury or Accident Hospitalizations for Children



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
--	------	------	------	------	------	------	------	------	------	------	------	------

State	4.05	4.01	3.77	3.60	3.82	3.67	3.65	3.34	3.87	4.21	4.03	3.86
Counties Like Us	4.75	4.41	4.12	3.82	4.74	4.23	4.37	4.04	4.65	4.89	4.41	4.14
Grays Harbor County	5.10	4.74	4.19	3.85	4.61	4.20	4.33	5.26	5.15	4.75	4.19	4.18
Injuries	70	60	50	46	55	47	52	61	62	61	54	52
Hospitalizations	1,373	1,265	1,194	1,194	1,193	1,118	1,200	1,160	1,203	1,284	1,288	1,243

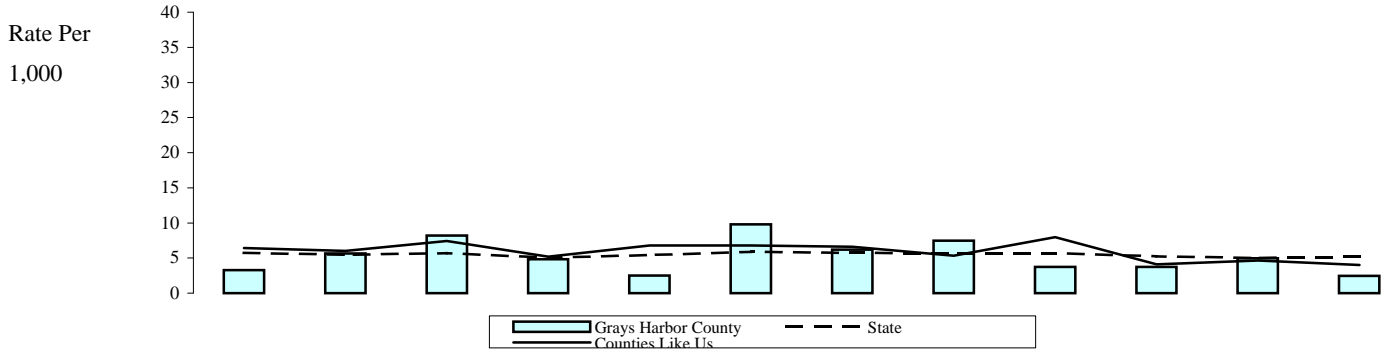
**Note:** The rate is the annual number of child injury or accident hospitalizations as a percent of all hospitalizations for children (age birth-17). Suppression code definitions for yearly rates are explained in Technical Notes. Due to contractual agreement data may not be displayed for areas with less than 100 hospitalizations.

**State Source:** Department of Health, Office of Hospital and Patient Data Systems, Comprehensive Hospital Abstract Reporting System (CHARS)

Updated  
9/2/2008

Problem Outcomes: Child or Family Health

**Infant Mortality (Under 1 Year)**



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
National	7.61	7.48	7.54	7.39	7.25	6.85	7.01	7.00	6.81	6.87	6.82	
State	5.74	5.48	5.68	5.07	5.44	5.88	5.73	5.67	5.69	5.22	4.99	5.14
Counties Like Us	6.44	6.02	7.42	5.19	6.80	6.77	6.62	5.33	7.98	4.10	4.64	4.00
Grays Harbor County	3.28	5.64	8.20	4.81	2.49	9.79	6.20	7.49	3.75	3.73	4.96	2.47
deaths, infants	3	5	7	4	2	8	5	6	3	3	4	2
Infants < 1 year	916	886	854	831	804	817	806	801	799	804	806	811

**Note:** The rate is the annual number of deaths, of infants under one year of age, per 1,000 population of infants under one year of age. Suppression code definitions for yearly rates are explained in Technical Notes. Rates are not reported when fewer than 100 deaths occurred in an area.

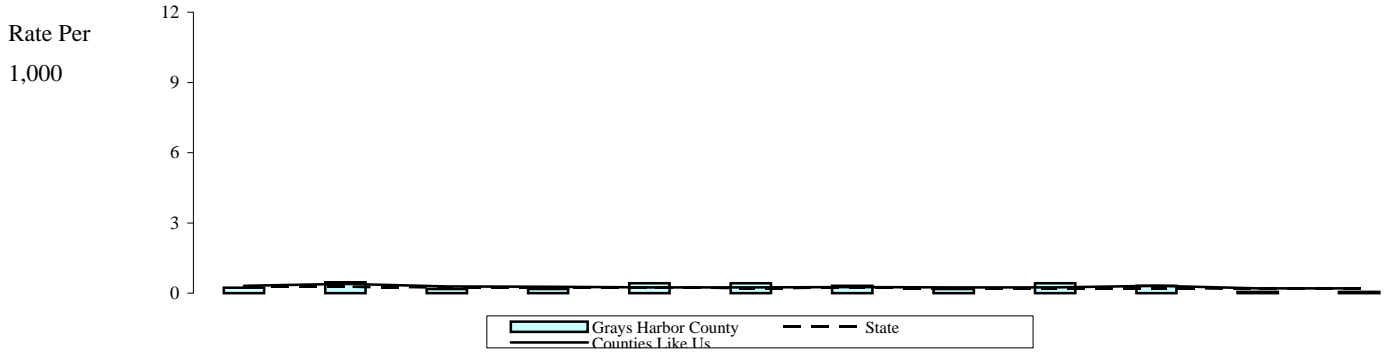
**State Source:** Department of Health, Center for Health Statistics, Death Certificate Data File. Population Estimates: Washington State Department of Health

Updated

11/21/2008

Problem Outcomes: Child or Family Health

**Child Mortality (Ages 1-17)**



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
National	34.38	34.04	34.12	34.68	34.68	34.83	35.08					
State	0.27	0.28	0.24	0.24	0.24	0.22	0.23	0.22	0.21	0.21	0.19	0.18
Counties Like Us	0.31	0.40	0.29	0.27	0.25	0.25	0.26	0.25	0.24	0.31	0.20	0.21
Grays Harbor County	0.23	0.46	0.18	0.18	0.43	0.42	0.31	0.18	0.43	0.31	0.06	0.06
Child Deaths	4	8	3	3	7	7	5	3	7	5	1	1
Children (age 1-17)	17,521	17,423	17,067	16,776	16,446	16,593	16,379	16,259	16,148	16,125	16,114	16,049

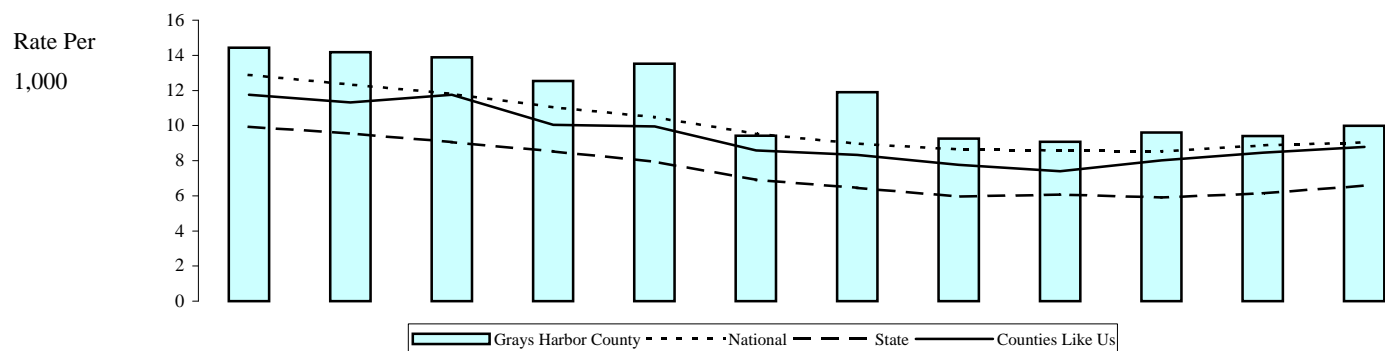
**Note:** The rate is the annual number of deaths, of children 1 to 17 years of age, per 1,000 population of children 1 to 17 years of age. Suppression code definitions for yearly rates are explained in Technical Notes. Rates are not reported when fewer than 100 deaths occurred in an area.

**State Source:** Department of Health, Center for Health Statistics, Death Certificate Data File. Population Estimates: Washington State Department of Health

Updated  
11/21/2008

## Problem Outcomes: Child or Family Health

### Births (Mothers Age 10-17)



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
National	12.88	12.34	11.81	11.05	10.48	9.53	8.97	8.64	8.58	8.52	8.88	9.03
State	9.93	9.54	9.06	8.52	7.94	6.91	6.46	5.95	6.07	5.91	6.14	6.57
Counties Like Us	11.76	11.31	11.75	10.04	9.95	8.58	8.32	7.77	7.40	8.02	8.46	8.78
Grays Harbor County	14.43	14.17	13.88	12.53	13.53	9.43	11.90	9.25	9.08	9.60	9.40	9.99
Birthed, 10-17	60	59	57	51	55	39	49	38	37	39	38	40
Females, 10-17	4,158	4,165	4,107	4,071	4,064	4,136	4,116	4,107	4,074	4,063	4,042	4,006

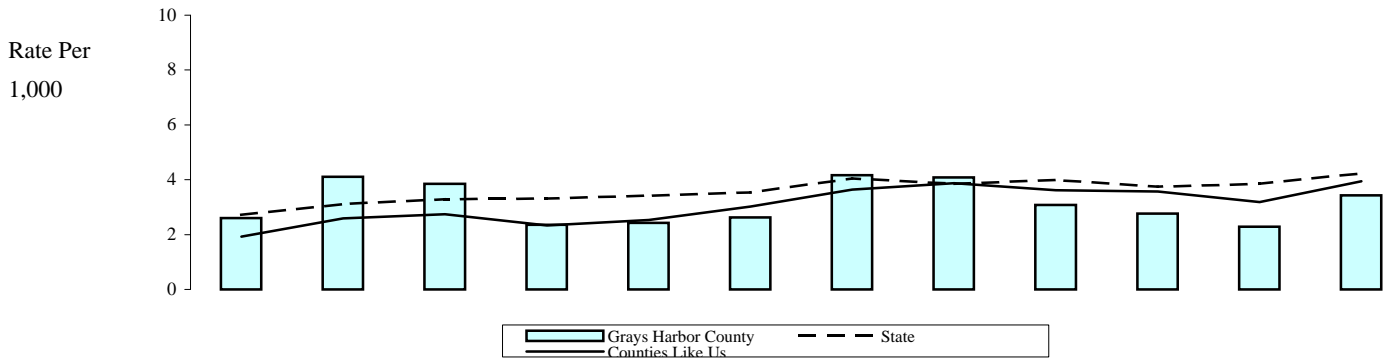
**Note:** The rate is the annual number of live births to adolescents (age 10-17) per 1,000 females (age 10-17). Rate changes in data result from on-going updates to birth records. Suppression code definitions for yearly rates are explained in Technical Notes. Due to contractual agreement data may not be displayed for areas with less than 100 births.

**State Source:** Department of Health, Center for Health Statistics, Birth Certificate Data File. Population Estimates: Washington State Department of Health

**National Source:** U.S. Department of Health and Human Services, Centers for Disease Control and Health Statistics National Center for Health Statistics, Division of Health Services, National Vital Statistics Reports

Updated  
11/17/2008

**Sexually Transmitted Disease Cases (Birth-19)**



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
State	2.72	3.11	3.29	3.31	3.42	3.53	4.05	3.85	3.99	3.75	3.85	4.24
Counties Like Us	1.93	2.59	2.74	2.33	2.53	3.02	3.64	3.87	3.62	3.57	3.18	3.94
Grays Harbor County	2.60	4.11	3.85	2.36	2.43	2.62	4.17	4.08	3.08	2.76	2.29	3.43
Cases, birth-19	52	81	75	45	47	50	79	77	58	52	43	64
Persons, birth-19	19,989	19,696	19,488	19,107	19,321	19,089	18,959	18,862	18,834	18,827	18,782	18,655

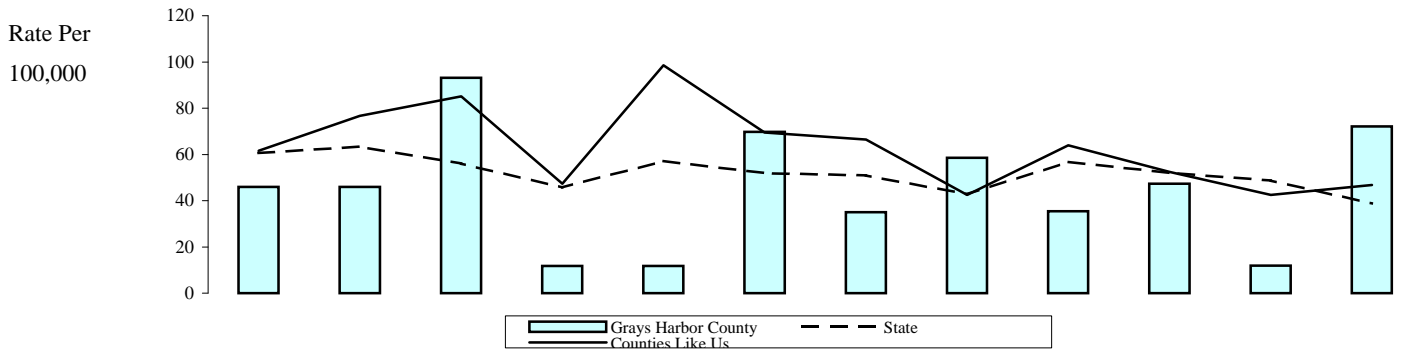
**Note:** The State and County rates are the annual number of reported cases of gonorrhea, syphilis, or Chlamydia in children (age birth-19) per 1,000 adolescents (age birth-19). Suppression code definitions for yearly rates are explained in Technical Notes. Due to contractual agreement some data may not be for populations less than 100.

**State Source:** Department of Health, Sexually Transmitted Disease (STD) Services, Sexually Transmitted Disease Reported Cases. Population Estimates: Washington State Department of Health

Updated  
4/16/2009

Problem Outcomes: Child or Family Health

**Suicide and Suicide Attempts (Age 10-17)**



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
State	60.60	63.43	56.03	45.61	57.23	51.86	50.99	42.79	56.73	52.01	48.75	38.72
Counties Like Us	61.55	76.62	85.06	47.30	98.50	69.44	66.47	42.47	63.96	52.46	42.48	46.78
Grays Harbor County	45.97	45.90	93.21	11.76	11.81	69.73	35.07	58.58	35.42	47.36	11.90	72.08
Suicide & Attempt	4	4	8	1	1	6	3	5	3	4	1	6
Persons, 10-17	8,701	8,714	8,583	8,500	8,466	8,605	8,554	8,535	8,469	8,446	8,405	8,324

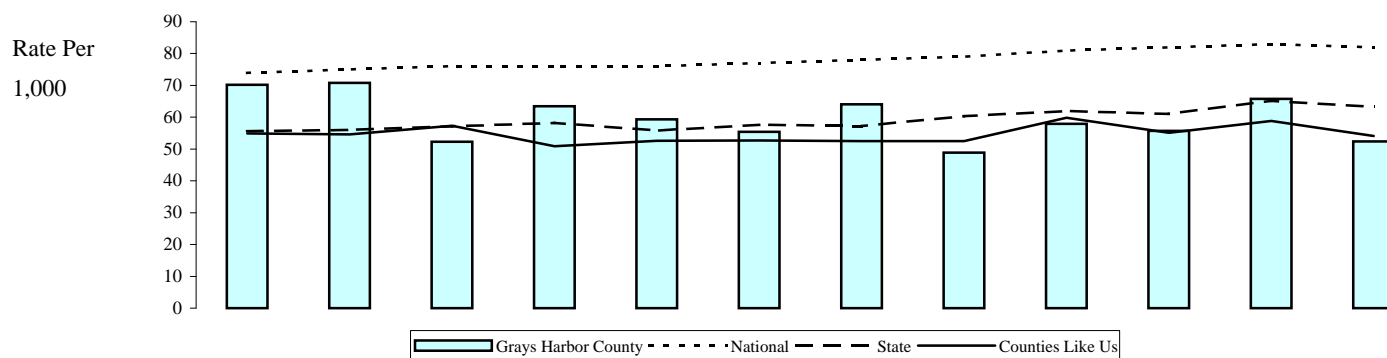
**Note:** The rate is the annual number of adolescents (age 10-17) who committed suicide or were admitted to the hospital for suicide attempts, per 100,000 adolescents (age 10-17). Suicides are based on death certificate information. Suicide attempts are based on hospital admissions, but do not include admissions to federal hospitals. Suppression code definitions for yearly rates are explained in Technical Notes. Due to contractual agreement data may not be displayed for locations with adolescent populations less than 100.

**State Source:** Department of Health, Office of Hospital and Patient Data Systems, Comprehensive Hospital Abstract Reporting System (CHARS) and Department of Health, Center for Health Statistics Death Certificate Data. Population Estimates: Washington State Department of Health

Updated  
11/21/2008

## Problem Outcomes: Child or Family Health

### Low Birthweight Babies



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
National	73.90	75.00	76.00	76.00	76.00	77.00	78.00	79.00	81.00	82.00	83.00	82.00
State	55.59	56.06	57.08	58.22	55.76	57.64	57.25	60.35	61.96	61.04	65.16	63.27
Counties Like Us	54.87	54.57	57.28	50.90	52.60	52.69	52.53	52.48	59.83	55.08	58.86	54.12
Grays Harbor County	70.14	70.75	52.33	63.49	59.34	55.41	64.07	48.90	57.97	55.75	65.76	52.39
Low-weight Babies	62	60	46	52	47	42	51	40	48	48	58	45
All Births	884	848	879	819	792	758	796	818	828	861	882	859

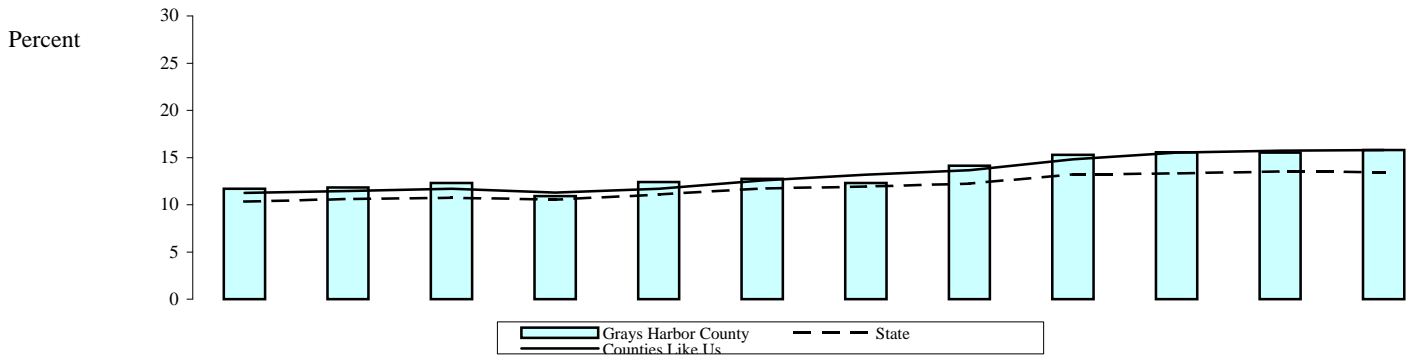
**Note:** The rate is the annual number of babies born with low birthweight, per 1,000 live births. Low birthweight is less than 2,500 grams. Rate changes in data result from on-going updates to birth records. No rate is given when the number of live births is less than 100 in the geographic area. Suppression code definitions for yearly rates are explained in Technical Notes.

**State Source:** Department of Health, Center for Health Statistics, Birth Certificate Data File

**National Source:** U.S. Department of Health and Human Services, Centers for Disease Control and Health Statistics National Center for Health Statistics, Division of Health Services, WONDER Data System

Updated  
11/17/2008

### Injury or Accident Hospitalizations for Women



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
--	------	------	------	------	------	------	------	------	------	------	------	------

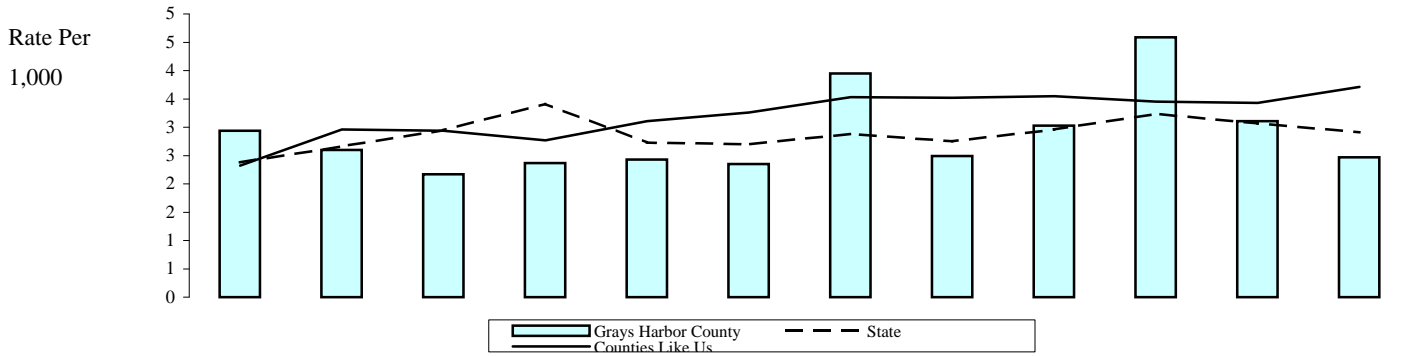
State	10.35	10.61	10.75	10.55	11.08	11.73	11.93	12.25	13.21	13.32	13.53	13.45
Counties Like Us	11.25	11.47	11.71	11.29	11.70	12.57	13.20	13.67	14.80	15.53	15.72	15.78
Grays Harbor County	11.70	11.84	12.31	10.92	12.40	12.74	12.29	14.12	15.28	15.57	15.52	15.79
Injuries	458	488	502	442	541	555	516	619	653	727	697	761
Hospitalizations	3,916	4,123	4,078	4,048	4,362	4,356	4,200	4,385	4,273	4,668	4,490	4,820

**Note:** The rate is the annual number of injury or accident hospitalizations for women as a percent of all hospitalizations for women (age 18+). Suppression code definitions for yearly rates are explained in Technical Notes. Due to contractual agreement data may not be displayed for areas with less than 100 hospitalizations.

**State Source:** Department of Health, Office of Hospital and Patient Data Systems, Comprehensive Hospital Abstract Reporting System (CHARS).

Updated  
9/2/2008

### Weapons Incidents in School



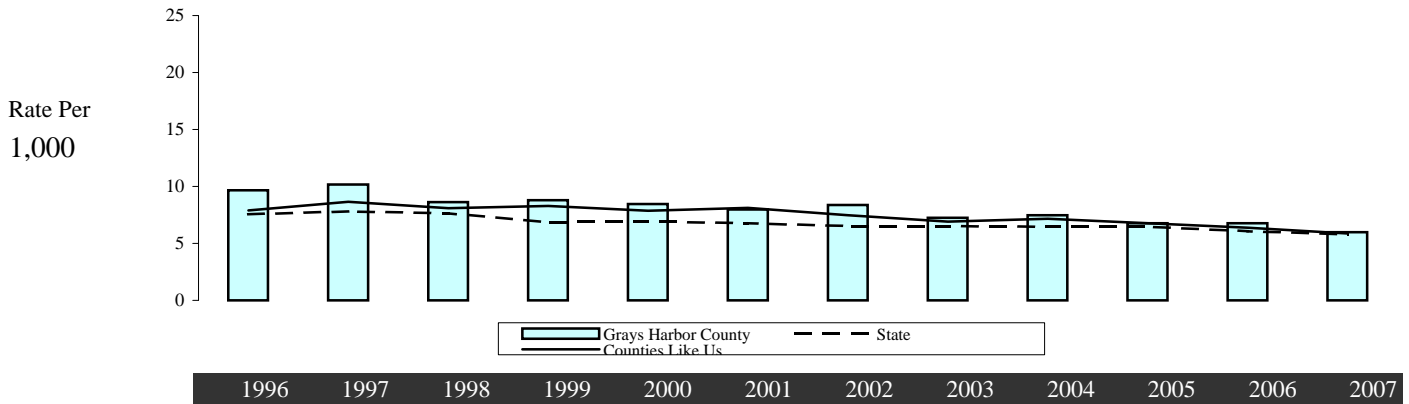
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
State	2.38	2.66	2.95	3.41	2.73	2.70	2.88	2.75	2.96	3.24	3.07	2.91
Counties Like Us	2.32	2.96	2.94	2.77	3.11	3.26	3.53	3.52	3.55	3.45	3.43	3.71
Grays Harbor County	2.94	2.60	2.17	2.37	2.43	2.35	3.95	2.49	3.03	4.59	3.11	2.47
Incidents	39	34	28	30	30	29	48	30	36	54	36	28
Enrollment	13,246	13,072	12,874	12,632	12,364	12,319	12,145	12,051	11,899	11,763	11,582	11,343

**Note:** The rate is the annual number of reported incidents of guns and other weapons at any grade level per 1000 students enrolled in October of all grades.

**State Source:** Office of Superintendent of Public Instruction, Information Services, Safe and Drug-free Schools: Report to the Legislature on Weapons in Schools RCW 28A.320.130

Updated  
12/23/2008

Offences, Domestic Violence



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
State	7.56	7.80	7.63	6.86	6.92	6.77	6.51	6.51	6.46	6.47	6.06	5.79
Counties Like Us	7.89	8.66	8.10	8.29	7.87	8.12	7.48	6.90	7.16	6.77	6.37	5.88
Grays Harbor County	9.65	10.18	8.62	8.79	8.45	7.97	8.36	7.24	7.47	6.77	6.78	5.98
Offences	637	660	557	579	549	494	552	481	504	461	461	414
Persons	66,019	64,847	64,580	65,834	64,972	61,994	66,041	66,462	67,506	68,106	68,044	69,177

**Note:** The rate is the annual number of domestic violence-related offences, per 1,000 persons. Domestic violence includes any violence of one family member against another family member. Family can include spouses, former spouses, parents who have children in common regardless of marital status, adults who live in the same household, as well as parents and their children.

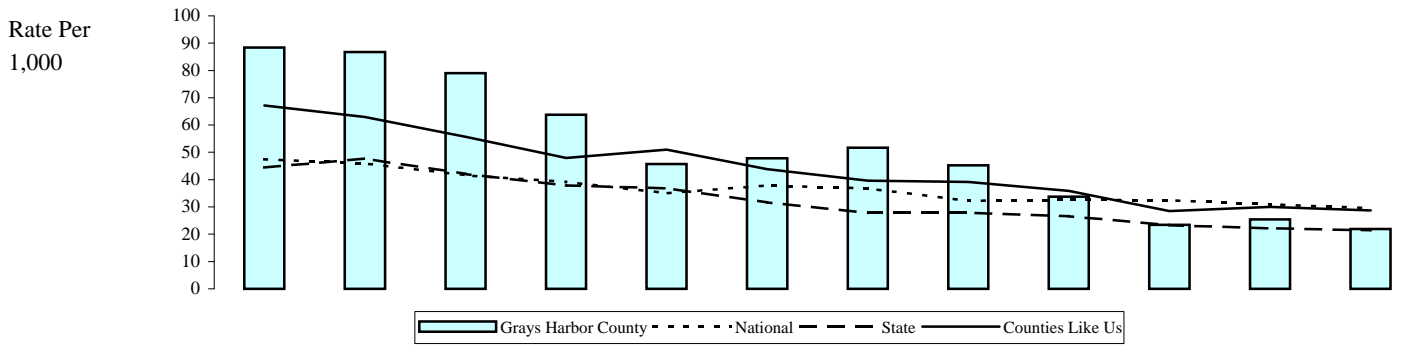
Offences differ from arrests. While funding and grants are associated with participation, reporting is not mandatory. Offences are incidence reporting. When more than one victim is involved an offence is filed for each victim. Multiple property violations performed at the same incident are counted as one offence. However when both types of events happen, only the victim incidents are reported as offences. Offences focus on the nature of the crime, while arrests focus on the apprehended accused perpetrator. Many offences occur without arresting perpetrators.

Denominators are adjusted by subtracting the population of police agencies that did not report offences. In spite of this population adjustment, when the non-reporting police jurisdiction is where much of the crime occurs, the rate for the county will be lower than it would be if that jurisdiction was included. For percent subtracted and the agencies not reporting, see the appendix on Non-Reporting Agencies and Population. Suppression code definitions for yearly rates are explained in Technical Notes.

**State Source:** Washington Association of Sheriffs and Police Chiefs, UCR Division. Population Estimates: Washington State Department of Health

Updated  
10/21/2008

**Total Arrests of Young Adolescents (Age 10-14)**



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
National	47.44	45.93	41.66	39.19	35.05	37.82	36.76	32.27	32.61	32.50	30.90	29.57
State	44.39	47.77	42.14	37.85	36.84	31.69	27.82	27.87	26.57	23.29	22.20	21.42
Counties Like Us	67.15	62.92	55.65	47.97	50.98	43.85	39.63	39.18	35.83	28.45	29.98	28.68
Grays Harbor County	88.45	86.81	79.07	63.77	45.70	47.81	51.65	45.31	33.75	23.47	25.41	21.96
Arrests, 10-14	461	452	393	316	225	238	257	225	168	115	121	104
Adjst'd Pop 10-14	5,212	5,207	4,970	4,955	4,923	4,978	4,976	4,966	4,978	4,900	4,761	4,735

**Note:** The rate is the annual number of arrests of younger adolescents (age 10-14) for any crime, per 1,000 adolescents (age 10-14). Data may differ from our last report because of refinements to our population adjustment process. Denominators are adjusted by subtracting the population of police agencies that did not report arrests to UCR. In spite of this population adjustment, when the non-reporting police jurisdiction is where much of the crime occurs, the rate will be lower than it would be if that jurisdiction was included. For percent subtracted, suppression code definitions and the agencies not reporting, see the Technical Notes and the appendix on Non-Reporting Agencies and Population.

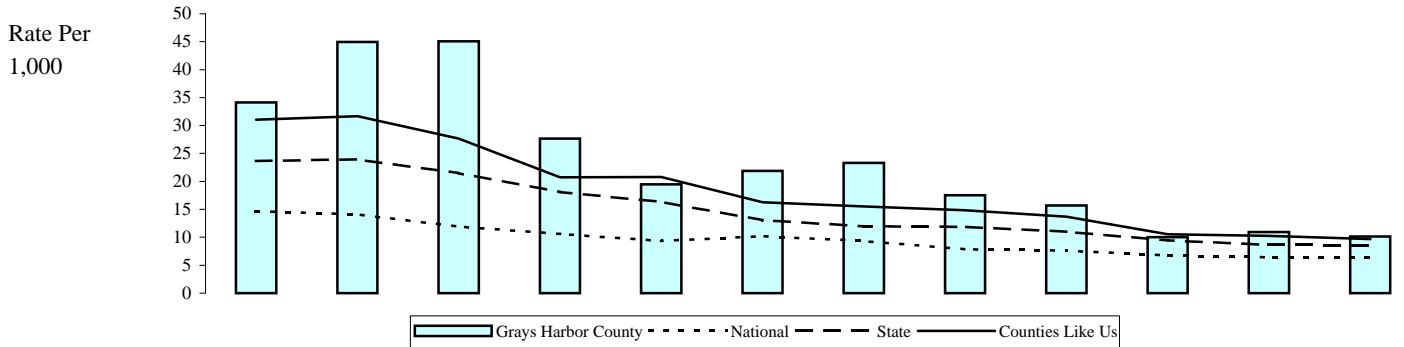
**State Source:** Washington Association of Sheriffs and Police Chiefs, Uniform Crime Report (UCR), Tables 40 and 50. Population Estimates: Washington State Department of Health

**National Source:** US Department of Justice, Bureau of Justice Statistics Sourcebook of Criminal Justice Statistics Online

Updated  
10/21/2008

Problem Outcomes: Criminal Justice

Arrests (Age 10-14), Property Crime



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
National	14.68	14.07	11.93	10.59	9.34	10.18	9.31	7.82	7.63	6.73	6.40	6.28
State	23.67	23.92	21.45	18.07	16.32	13.05	11.96	11.84	10.97	9.47	8.64	8.60
Counties Like Us	31.06	31.65	27.67	20.72	20.77	16.29	15.54	14.86	13.71	10.51	10.23	9.70
Grays Harbor County	34.15	44.94	45.07	27.65	19.50	21.90	23.31	17.52	15.67	10.00	10.92	10.14
Arrests, 10-14	178	234	224	137	96	109	116	87	78	49	52	48
Adjst'd Pop 10-14	5,212	5,207	4,970	4,955	4,923	4,978	4,976	4,966	4,978	4,900	4,761	4,735

**Note:** The rate is the annual number of arrests of younger adolescents (age 10-14) for property crimes, per 1,000 adolescents (age 10-14). Property crimes include all crimes involving burglary, larceny-theft, motor vehicle theft, and arson. Data may differ from our last report because of refinements to our population adjustment process. Denominators are adjusted by subtracting the population of police agencies that did not report arrests to UCR. In spite of this population adjustment, when the non-reporting police jurisdiction is where much of the crime occurs, the rate for the area will be lower than it would be if that jurisdiction was included. For percent subtracted, suppression code definitions and the agencies not reporting, see the Technical Notes and the appendix on Non-Reporting Agencies and Population.

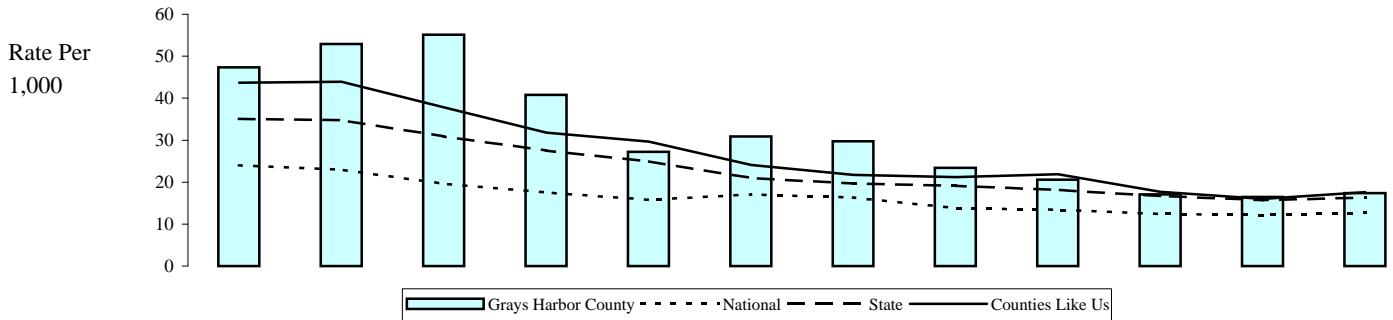
**State Source:** Washington Association of Sheriffs and Police Chiefs, Uniform Crime Report (UCR), Tables 40 and 50. Population Estimates: Washington State Department of Health

**National Source:** US Department of Justice, Bureau of Justice Statistics Sourcebook of Criminal Justice Statistics Online

Updated  
10/21/2008

Problem Outcomes: Criminal Justice

Arrests (Age 10-17), Property Crime



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
National	24.04	22.91	19.57	17.52	15.75	17.10	16.32	13.80	13.45	12.40	12.12	12.67
State	35.06	34.74	30.91	27.49	24.93	20.95	19.66	19.12	18.12	16.69	15.74	16.33
Counties Like Us	43.71	43.90	37.81	31.82	29.66	24.06	21.76	21.20	21.90	17.72	15.99	17.64
Grays Harbor County	47.36	52.93	55.11	40.78	27.25	30.86	29.72	23.38	20.57	17.07	16.48	17.42
Arrests, 10-17	395	446	448	331	220	252	242	190	168	139	132	140
Adjst'd Pop 10-17	8,341	8,427	8,129	8,116	8,073	8,167	8,143	8,128	8,166	8,144	8,008	8,039

**Note:** The rate is the annual number of arrests of adolescents (age 10-17) for property crimes, per 1,000 adolescents (age 10-17). Property crimes include all crimes involving burglary, larceny-theft, motor vehicle theft, and arson. Data may differ from our last report because of refinements to our population adjustment process. Denominators are adjusted by subtracting the population of police agencies that did not report arrests to UCR. In spite of this population adjustment, when the non-reporting police jurisdiction is where much of the crime occurs, the rate for the county will be lower than it would be if that jurisdiction was included. For percent subtracted, suppression code definitions and the agencies not reporting, see the Technical Notes and the appendix on Non-Reporting Agencies and Population.

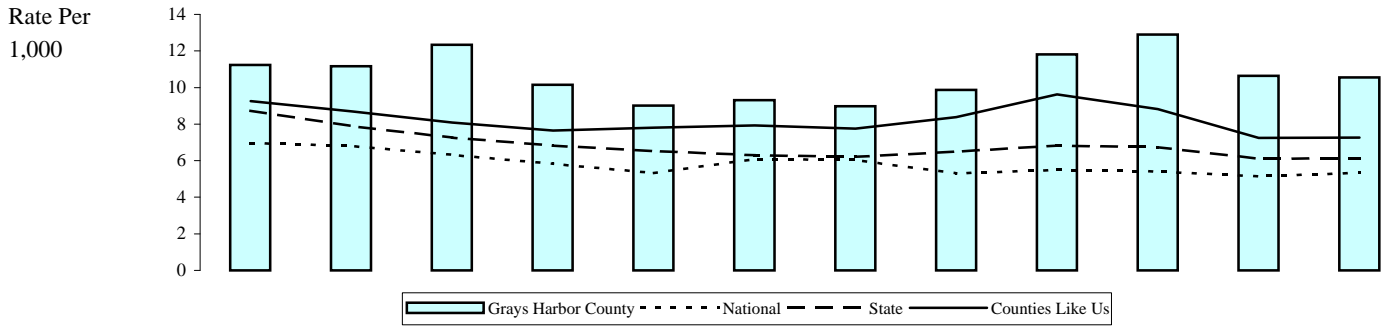
**State Source:** Washington Association of Sheriffs and Police Chiefs, Uniform Crime Report (UCR), Tables 40 and 50. Population Estimates: Washington State Department of Health

**National Source:** US Department of Justice, Bureau of Justice Statistics Sourcebook of Criminal Justice Statistics Online

Updated  
10/21/2008

Problem Outcomes: Criminal Justice

Arrests (Age 18+), Property Crime



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
National	6.97	6.80	6.31	5.82	5.32	6.09	6.04	5.31	5.50	5.41	5.14	5.34
State	8.74	7.90	7.27	6.82	6.52	6.30	6.21	6.50	6.82	6.73	6.10	6.13
Counties Like Us	9.25	8.69	8.09	7.65	7.81	7.92	7.76	8.38	9.62	8.82	7.25	7.27
Grays Harbor County	11.24	11.17	12.34	10.15	9.02	9.31	8.97	9.87	11.82	12.90	10.64	10.56
Arrests, 18+	544	546	588	491	438	461	446	496	605	668	553	559
Adjst'd Pop 18+	48,388	48,889	47,658	48,373	48,561	49,506	49,722	50,254	51,178	51,794	51,955	52,912

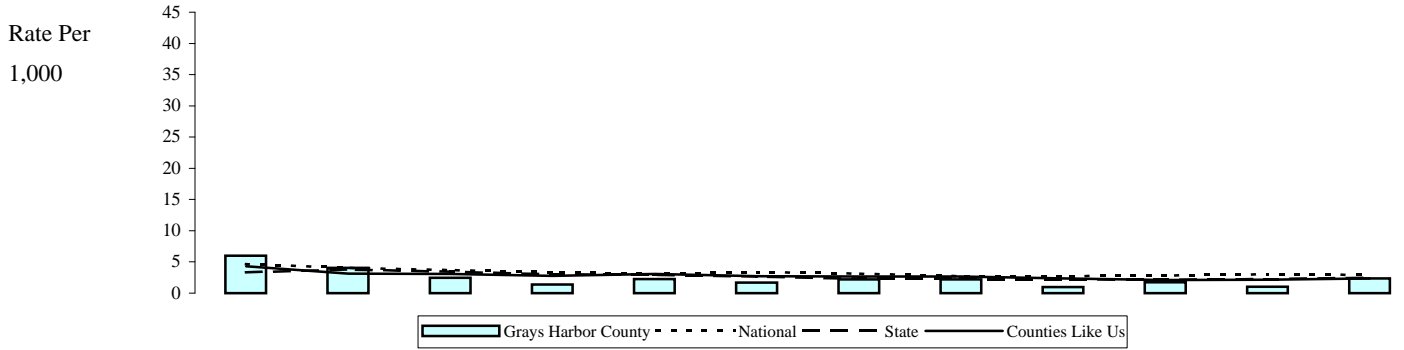
**Note:** The rate is the annual number of arrests of adults (age 18+) for property crimes, per 1,000 adults (age 18+). Property crimes include all crimes involving burglary, larceny-theft, motor vehicle theft, and arson. Data may differ from our last report because of refinements to our population adjustment process. Denominators are adjusted by subtracting the population of police agencies that did not report arrests to UCR. In spite of this population adjustment, when the non-reporting police jurisdiction is where much of the crime occurs, the rate for the county will be lower than it would be if that jurisdiction was included. For percent subtracted, suppression code definitions and the agencies not reporting, see the Technical Notes and the appendix on Non-Reporting Agencies and Population.

**State Source:** Washington Association of Sheriffs and Police Chiefs, Uniform Crime Report (UCR), Tables 40 and 50. Population Estimates: Washington State Department of Health

**National Source:** US Department of Justice, Bureau of Justice Statistics Sourcebook of Criminal Justice Statistics Online

Updated  
10/21/2008

**Arrests (Age 10-17), Violent Crime**



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
National	4.67	4.07	3.69	3.39	3.02	3.37	3.12	2.73	2.72	2.81	3.01	2.92
State	3.35	3.78	3.43	3.04	2.93	2.68	2.32	2.33	2.22	2.16	2.26	2.47
Counties Like Us	4.30	3.14	3.08	2.78	3.09	2.74	2.65	2.66	2.37	2.08	2.14	2.36
Grays Harbor County	5.99	4.03	2.46	1.36	2.23	1.71	2.21	2.21	0.98	1.72	1.00	2.36
Arrests, 10-17	50	34	20	11	18	14	18	18	8	14	8	19
Adjst'd Pop 10-17	8,341	8,427	8,129	8,116	8,073	8,167	8,143	8,128	8,166	8,144	8,008	8,039

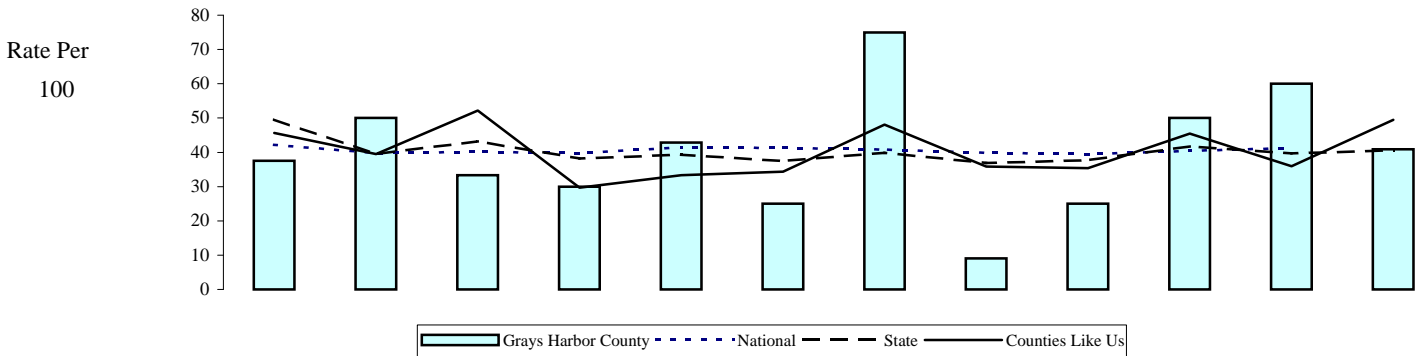
**Note:** The rates are the annual number of arrests of adolescents (age 10-17) for violent crime per 1,000 adolescents (age 10-17). Violent crimes include all crimes involving criminal homicide, forcible rape, robbery, and aggravated assault. Simple assault is not defined as a violent crime. Data may differ from our last report because of refinements to our population adjustment process. Denominators are adjusted by subtracting the population of police agencies that did not report arrests to UCR. In spite of this population adjustment, when the non-reporting police jurisdiction is where much of the crime occurs, the rate for the county will be lower than it would be if that jurisdiction was included. For percent subtracted, suppression code definitions and the agencies not reporting, see the Technical Notes and the appendix on Non-Reporting Agencies and Population.

**State Source:** Washington Association of Sheriffs and Police Chiefs, Uniform Crime Report (UCR), Tables 40 and 50. Population Estimates: Washington State Department of Health

**National Source:** US Department of Justice, Bureau of Justice Statistics Sourcebook of Criminal Justice Statistics Online

Updated  
10/21/2008

**Alcohol-Related Traffic Fatalities Per All Traffic Fatalities**



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
National	42.19	39.78	40.17	39.72	41.44	41.24	40.75	39.89	39.50	40.43	41.28	
State	49.58	39.47	43.20	38.15	39.30	37.44	39.82	36.83	37.74	41.76	39.65	40.63
Counties Like Us	45.63	39.45	52.22	29.67	33.33	34.38	48.11	35.85	35.35	45.45	35.90	49.48
Grays Harbor County	37.50	50.00	33.33	30.00	42.86	25.00	75.00	9.09	25.00	50.00	60.00	40.91
Alcohol-related	6	5	2	3	3	2	9	1	2	8	6	9
Fatalities	16	10	6	10	7	8	12	11	8	16	10	22

**Note:** The rates are the annual number of alcohol-related traffic fatalities, per 100 traffic fatalities. "Alcohol-related" means that the officer on the scene determined that at least one driver involved in the accident "had been drinking." Thus, "Alcohol-related" includes but is not limited to the legal definition of driving under the influence. Care should be taken since small numbers of events can cause unreliable rates in some counties.

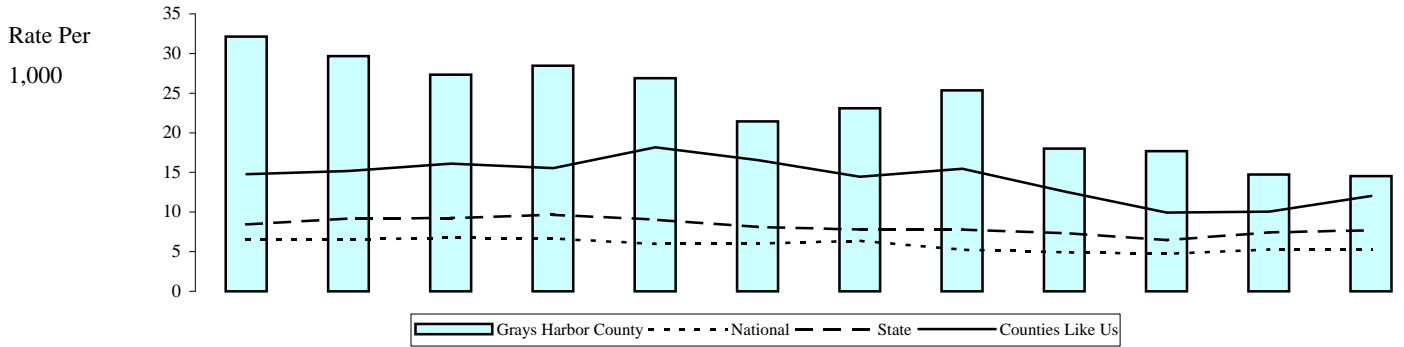
**State Source:** Washington State Patrol, Records Section, Traffic Collisions in Washington State, Accident Records Database

**National Source:** National Center for Statistics and Analysis, Fatal Accident Reporting System (FARS)

Updated  
12/1/2008

Problem Outcomes: Substance Use

Arrests (Age 10-17), Alcohol Violation



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
National	6.58	6.53	6.73	6.66	5.98	6.02	6.38	5.25	4.94	4.72	5.27	5.31
State	8.45	9.15	9.24	9.66	9.03	8.13	7.80	7.81	7.36	6.46	7.44	7.70
Counties Like Us	14.77	15.17	16.09	15.56	18.17	16.55	14.47	15.47	12.60	9.95	10.05	12.04
Grays Harbor County	32.13	29.67	27.31	28.46	26.88	21.43	23.09	25.34	18.00	17.68	14.74	14.55
Arrests, 10-17	268	250	222	231	217	175	188	206	147	144	118	117
Adjst'd Pop 10-17	8,341	8,427	8,129	8,116	8,073	8,167	8,143	8,128	8,166	8,144	8,008	8,039

**Note:** The rates are the annual number of arrests of adolescents (age 10-17) for alcohol violations, per 1,000 adolescents (age 10-17). Alcohol violations include all crimes involving driving under the influence, liquor law violations, and drunkenness. For children, arrests for liquor law violations are usually arrests for minor in possession.

1) Data may differ from our last report because of refinements to our population adjustment process. Denominators are adjusted by subtracting the population of police agencies that did not report arrests to UCR. In spite of this population adjustment, when the non-reporting police jurisdiction is where much of the crime occurs, the rate for the county will be lower than it would be if that jurisdiction was included. For percent subtracted, suppression code definitions and the agencies not reporting, see the Technical Notes and the appendix on Non-Reporting Agencies and Population.

2) The DUI portion of this measure is likely understated, because arrests made by the State Patrol (approximately 40% of DUI arrests) are not attributable to counties. State Patrol arrests are included in the state rates.

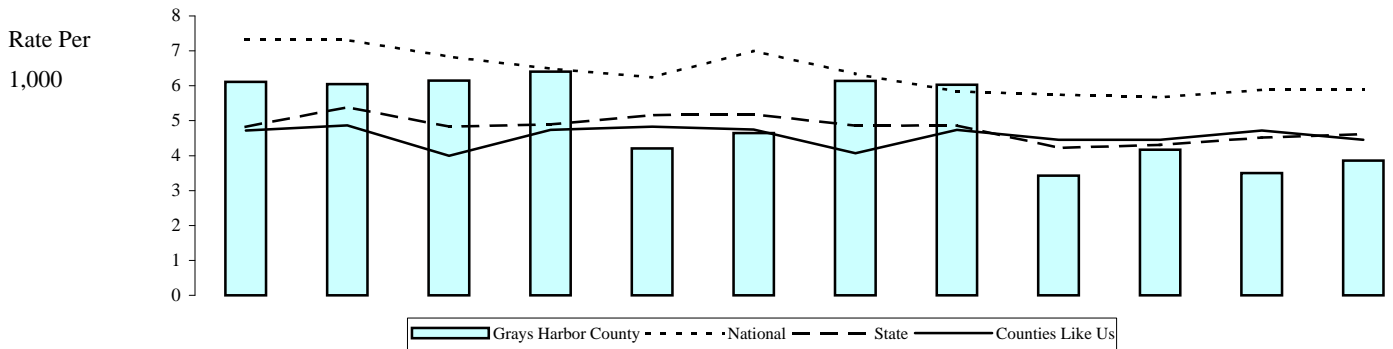
**State Source:** Washington Association of Sheriffs and Police Chiefs, Uniform Crime Report (UCR), Tables 40 and 50. Population Estimates: Washington State Department of Health

**National Source:** US Department of Justice, Bureau of Justice Statistics Sourcebook of Criminal Justice Statistics Online

Updated  
10/21/2008

Problem Outcomes: Substance Use

Arrests (Age 10-17), Drug Law Violation



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
National	7.32	7.31	6.84	6.49	6.24	7.00	6.34	5.84	5.75	5.67	5.88	5.89
State	4.82	5.39	4.83	4.89	5.16	5.19	4.86	4.87	4.22	4.31	4.52	4.62
Counties Like Us	4.72	4.87	4.00	4.74	4.83	4.75	4.07	4.74	4.45	4.45	4.72	4.45
Grays Harbor County	6.11	6.05	6.15	6.41	4.21	4.65	6.14	6.03	3.43	4.17	3.50	3.86
Arrests, 10-17	51	51	50	52	34	38	50	49	28	34	28	31
Adjst'd Pop 10-17	8,341	8,427	8,129	8,116	8,073	8,167	8,143	8,128	8,166	8,144	8,008	8,039

**Note:** The rates are the annual number of arrests of adolescents (age 10-17) for drug law violations, per 1,000 adolescents (age 10-17). Drug law violations include all crimes involving sale, manufacturing, and possession of drugs.

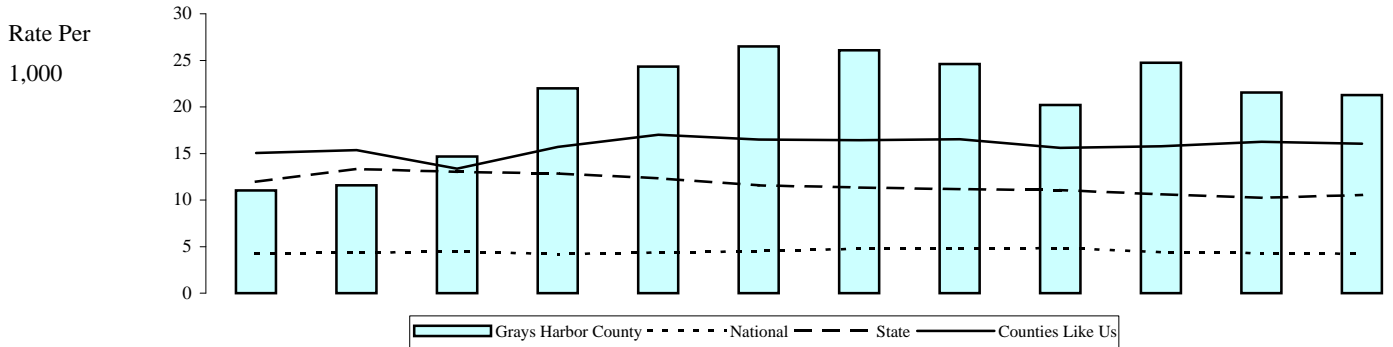
Data may differ from our last report because of refinements to our population adjustment process. Denominators are adjusted by subtracting the population of police agencies that did not report arrests to UCR. In spite of this population adjustment, when the non-reporting police jurisdiction is where much of the crime occurs, the rate for the county will be lower than it would be if that jurisdiction was included. For percent subtracted, suppression code definitions and the agencies not reporting, see the Technical Notes and the appendix on Non-Reporting Agencies and Population.

**State Source:** Washington Association of Sheriffs and Police Chiefs, Uniform Crime Report (UCR), Tables 40 and 50. Population Estimates: Washington State Department of Health

**National Source:** US Department of Justice, Bureau of Justice Statistics Sourcebook of Criminal Justice Statistics Online

Updated  
10/21/2008

**Clients of State-Funded Alcohol or Drug Services (Age 10-17)**



	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
National	4.31	4.33	4.46	4.18	4.35	4.51	4.79	4.77	4.83	4.39	4.29	4.22
State	11.97	13.32	13.01	12.85	12.34	11.59	11.35	11.16	11.05	10.63	10.24	10.54
Counties Like Us	15.05	15.35	13.38	15.72	17.00	16.48	16.42	16.52	15.59	15.77	16.24	16.06
Grays Harbor County	11.03	11.59	14.68	22.00	24.33	26.50	26.07	24.60	20.19	24.75	21.53	21.26
Admits, 10-17	96	101	126	187	206	228	223	210	171	209	181	177
Persons, 10-17	8,701	8,714	8,583	8,500	8,466	8,605	8,554	8,535	8,469	8,446	8,405	8,324

**Note:** The rates are the annual number of adolescents (age 10-17) receiving state-funded alcohol or drug services, per 1,000 adolescents 10-17. Counts of clients are unduplicated so that those receiving services more than once during the year are only counted once for that year. State-funded services include treatment, assessment, and detox. Persons in Department of Corrections treatment programs are not included. Updates have been done and result in some changes to 2000 data.

**State Source:** Department of Social and Health Services, Division of Alcohol and Substance Abuse, Treatment and Assessment Report Generation Tool (TARGET). Population Estimates: Washington State Department of Health

**National Source:** Office of Applied Studies, Substance Abuse and Mental Health Services Administration, Treatment Episode Data Set (TEDS)

Updated  
9/23/2008

**Topics:****Counting Alcohol- or Drug-related Deaths****Uniform Crime Report - Non-Reporting Police Jurisdictions****Suppression Codes****CORE-GIS Conversion Process and Weighted Reliability Index****Counties Like Us****Duplicated and Unduplicated Counts****Rates – Why is Raw Data Converted to Rates?**

AOD deaths are identified by matching all the contributory causes of death from death certificate records to a list of causes that are considered AOD-related. The deaths identified as AOD-related then may be summed to provide area totals. Dividing the total AOD-related deaths by all deaths in an area gives the percent of all deaths that are alcohol and drug related. Lists of underlying causes of death that are AOD-related have been developed in several studies. Citations for these studies are listed prior to the AOD attribution tables. AOD-related deaths used in this report are determined using a comprehensive assembly of disease, accident, and injury codes identified in those studies. The codes are based upon the International Classification of Diseases, Ninth Revision (ICD-9) from 1990 to 1998 or International Classification of Diseases, Tenth Revision (ICD-10) after 1998.

The identified AOD-related causes of death may be either fully attributable or sometimes attributable to alcohol or drugs. Some contributory causes of death are explicit in their mention of alcohol or drugs. Examples include alcoholic cirrhosis of the liver (ICD-9 code 571.2), alcohol and drug dependence syndromes (ICD-9 codes 303 and 304, respectively), and drug poisonings (ICD-9 codes E850 through E859). All deaths of this sort are fully, or 100%, attributable to alcohol or drug abuse and are considered direct AOD-related deaths.

Other contributory causes of death are related only sometimes to alcohol or drugs. For example, epidemiological studies have shown that, among persons over 35 years of age, 60% of deaths due to chronic pancreatitis (ICD-9 code 577.1) and 75% of malignant neoplasms of the esophagus (ICD-9 code 150) are alcohol-related. For persons of all ages, 42% of motor vehicle traffic and nontraffic deaths (ICD-9 codes E810 through E825) are alcohol-related. The appropriate percentage of such indirectly attributable deaths are also counted toward totals for AOD-related deaths.

The tables on the following pages characterize the different diseases, injuries, and accidents by: name, ICD-9 or ICD-10 code, percent attributable to alcohol or drugs, age of inclusion. Information sources are listed below.

1. Schultz J, Rice D, & Parker D. 1990. Alcohol-related mortality and years of potential life lost - United States, 1987. *Morbidity and Mortality Weekly Report*, 39, 173-178.
2. Rice D, et al. 1990. The Economic Costs of Alcohol and Drug Abuse and Mental Illness: 1985. Report submitted to the Office of Financing and Coverage Policy of the Alcohol, Drug Abuse, and mental health Administration, U.S. Department of Health and Human Services. San Francisco, CA: Institute for Health and Aging, University of California.
3. Fox K, Merrill J, Chang H, & Califano J. 1995. Estimating the Costs of Substance Abuse to the Medicaid Hospital Care Program. *American Journal of Public Health*, 85(1), 48-54.
4. Seattle-King County HIV/AIDS Epidemiology Unit and Washington State Office of HIV/AIDS Epidemiology and Evaluation. 1994. Washington State/Seattle-King County HIV/AIDS Epidemiology Report (2nd Quarter, 1994), p. 4.

Disease Category	ICD-10 Code	ICD-9 Code	Attrib	Age
<b>Diseases Directly Attributable to Alcohol</b>				
Alcoholic psychoses	F10, F10.3-F10.9	291	100%	>=15
Alcohol dependence syndrome	F10.2	303	100%	>=15
Alcoholic polyneuropathy	G62.1	357.5	100%	>=15
Alcoholic cardiomyopathy	I42.6	425.5	100%	>=15
Alcoholic gastritis	K29.2	535.3	100%	>=15
Alcoholic fatty liver	K70.0	571.0	100%	>=15
Acute alcoholic hepatitis	K70.1, K70.4	571.1	100%	>=15
Alcoholic cirrhosis of the liver	K70.3	571.2	100%	>=15
Alcoholic liver damage, other	K70.2, K70.9, K70	571.3	100%	>=15
Excessive blood level of alcohol, toxic effect of alcohol	R78.0, T51	790.3. 980	100%	>=0
Accidental poisoning by alcohol	X45, Y15	E860	100%	>=0
Nondependent abuse of Alcohol	F10.1	305.0	100%	>=0
Alcohol-induced pseudo-Cushing's syndrome	E24.4	Not Available in ICD-9	100%	>=15
Degeneration of nervous system due to alcohol	G31.2	Not Available in ICD-9	100%	>=15
Alcoholic myopathy	G72.1	Not Available in ICD-9	100%	>=15
Maternal care for (suspected) damage to fetus due to alcohol	O35.4	Not Available in ICD-9	100%	>=15
Newborn affected by maternal use of alcohol	P04.3	Not Available in ICD-9	100%	>=0
Fetal alcohol syndrome (dysmorphic features)	Q86.0	Not Available in ICD-9	100%	>=0
Suicide attributable to alcohol	X65	Not Available in ICD-9	100%	>=0
Alcoholic Pellagra	E52	265.2	100%	>=0
<b>Diseases Indirectly Attributable to Alcohol</b>				
<b>Neoplasms</b>				
Breast	C50, D05	174.0-174.9, 233.0	13% F	>=35
Esophagus	C15, D00.1	150.1-150.9, 230.1	75%	>=35
Larynx	C32, D02.0	161.0-161.9, 231.0	50% M, 40% F	>=35
Lip, oral cavity, pharynx	C00-C14, D00.0	140.1-141.9, 143.0-149.9, 230.0	50% M, 40% F	>=35
Liver	C22, D01.5	155.0-155.2, 230.8	29%	>=35
<b>Cardiovascular</b>				
Cardiomyopathy	I42.0 - I42.2, I42.5, I42.7- I42.9	425.1, 425.4, 425.9	40%M	>=35
Hypertension	I10-113, O10-O14, O16	401.0-404.9, 642.0, 642.2, 642.9	11%	>=35
<b>Digestive System</b>				
Cirrhosis	K71.7, K74.5-K74.6	571.5	74%	>=35
Duodenal Ulcers	K26	532.0-532.9	10%	>=35
Pancreatitis, acute	K85	577.0	47%	>=35
Pancreatitis, chronic	K86.1- K86.3, K86.9	577.1, 577.2, 577.9	72%	>=35
<b>Other Diseases or Conditions</b>				
Epilepsy	G40.3,G40.4,G40.6,G40.9	345.1, 345.3, 345.9	30%	>=15
Seizures	R56	780.3	41%	>=15
Tuberculosis	A16-A19	011-013, 017, 018	25%	>=15
Accident or Injury Causes : Motor vehicle traffic and non-traffic accidents	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3- V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2	E810-E825	42%	>=0

Disease Category	ICD-10 Code	ICD-9 Code	Attrib	Age
Pedal cycle and other road vehicle accidents	V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9	E826-E829	20%	>=0
Water transport accidents	V90-V94	E830-E838	20%	>=0
Air & space transport accidents	V95-V97	E840-E845	16%	>=0
Accidental falls	W00-W19	E880-E888	35%	>=15
Accidents caused by fire	X00-X09	E890-E899	45%	>=0
Accidental drowning and submersion	W65-W74	E910	38%	>=0
Suicides due to alcohol or drugs are now considered direct AOD-related deaths, other suicides are not apportioned. This brings our				
Homicide & other purposely inflicted injury	X86-Y09, Y87.1	E960-E962, E962.1-E969	46%	>=15
Other	X31, W79, W50-W52, W20- W34, Y15-Y19	E901, E911, E917-E920, E922	25%	>=15
Other category includes: Excessive cold, Choking on food in airway; Striking against or struck accidentally by objects or persons; Caught				
<b>Diseases Directly Attributable to Drugs</b>				
Drug psychoses	F11-F16, F18-F19	292	100%	>=0
Drug dependence syndrome	F11-F16, F18-F19	304	100%	>=0
Polyneuropathy due to drugs	G62.0	357.6	100%	>=15
Drug dependence during pregnancy	F11-F16, F18-F19	648.3	100%	>=0
Suspected damage to fetus from drugs	O35.5,	655.5	100%	>=0
Noxious influences affecting fetus	P04.4	760.7	100%	>=0
Drug reactions, intox., withdrawal specific to newborn	P96.1	779.4, 779.5	100%	>=0
Selected drug poisonings	R78,R78.1-R78.6, T38 ; excludes Y40-59.9 (therapeutic use)	962, 965, 967-971, 977 excludes E930-949	100%	>=0
Selected accidental drug poisonings	X40-X44	E850-E858	100%	>=0
Accidental Poisonings (magic mushrooms, huffing and other drug use)	X46-X49	E861-E869	100%	>=0
Nondependent abuse of drugs	F11-F16, F18-F19	305.2-305.9	100%	>=0
Assault by poisoning using drugs and medicaments	x85	E962.0	100%	>=0
Drug induced myopathy	G72.0	Not Available in ICD-9	100%	
Poisoning by drugs, accidentally or purposely inflicted	Y10-Y14	E980.0-E980.5	100%	>=0
Suicides attributable to drugs	x60-64	E950.0-E950.5	100%	>=0
<b>Diseases Indirectly Attributable to Drugs</b>				
AIDS (from IV drug use exposure)	B20-B24	042.0-044.9	5%	>=15
Cardiovascular				
Endocarditis	I33.0, I33.9	421.0, 421.9	75%	>=15
Other				
Hepatitis A	B15.9	70.1	12%	>=15
Hepatitis B	B16-B16.9	70.2, 70.3	36%	>=15
Hepatitis C	B17-B19.9	70.5, 70.9	10%	>=15

## Uniform Crime Report - Non-Reporting Police Jurisdictions

Most law enforcement agencies report arrest and offence data to the Washington Association of Sheriffs and Police Chiefs (WASPC), which in turn provides data to the FBI's Uniform Crime Reporting Program. This is the source of our data. Some jurisdictions do not report all arrests and offences, some report partial years, and some withhold certain categories of arrests or offences. Reporting is voluntary for arrests and offences. Offences are more likely to be reported since some funding is associated with reporting. Offences are incidence reporting. When more than one victim is involved an offence is filed for each victim. Multiple property violations performed at the same incident are counted as one offence.

However when both types of events happen, only the victim incidents are reported as offences. Offences focus on the nature of the crime, while arrests focus on the apprehended accused perpetrator. Many offences occur without arresting perpetrators. Sometimes charges are dropped and sometimes no perpetrator is ever found. No perpetrator age can be assigned to offence data so the entire age range of population is used as the denominator. Some data is reported to UCR in a new system which is not yet compatible with UCR output reports and UCR cannot extract that data for this report but does include it in their reports to the FBI. We list those jurisdictions as non-reporting although UCR considers them to have reported. Only part one offences are reported in the Uniform Crime Report, some agencies have no part one crimes to report. Those agencies are listed with zero events, not as non-reporting.

Information on the Non-reporting Population and Non-reporting Agencies are available only in the individual county and locale level reports. Each area report shows how and when that area's police jurisdictions reported data to the Washington Association of Sheriff's and Police Chiefs. If your area is one with jurisdictions having a significant amount of incomplete data, be very careful that you adjust your risk assessment to reflect this. In other words, the reported arrest rates may not adequately reflect the entire area. This will be true especially in those cases where the non-reporting police jurisdictions have either very high or very low arrest rates, compared to the rest of the area.

In order to compensate for missing police reports, we have adjusted the denominator in the rate calculation so that it reflects only the proportion of the area for which we do have data. For instance, say area A, with a population of 40,000, has eight police districts. Now, if one of the police districts in the area did not report their arrests, the number of arrests would not be representative of the whole area. Therefore, we would not want to use the population of the whole area in the denominator because that would make the rate lower than it should be. The solution used in this report is to subtract the population of that missing police district from the area population. We follow the same procedure for police districts that report partial years: if they report only six months, we use only half of the population to calculate the rate. In 2004 we have made adjustments to the process which calculates non-reporting at the County Like Us and State levels. This has resulted in greater accuracy, but different rates than were previously reported in some counties and for some years.

Due to the uneven geographic distribution of crime, missing police data can cause spikes or dips in the trend data comparison of multiple consecutive years. We do not run into this problem in the state report because the county rates there (as opposed to the individual county reports) only report 5-year averages. However for individual county reports and reports for smaller areas like locales or districts the trend data can become unstable due to non-reporting. Alternately, the conversion of data from certain police jurisdictions to other areas like locales may not apportion directly causing too much of the data to be apportioned based on population rather than clearly assigned to one area. We use a weighted reliability index (WRI) to determine when the conversion is no longer reliable. An explanation of that process follows. We have tried to compensate for these and other issues by suppressing data which is likely to be affected.

## Suppression Codes for Yearly Trend Data

**UN=Unreliable conversion** of events to report geography, failure of **weighted reliability index** (WRI). The WRI evaluation process is further explained in the section labeled 'CORE-GIS Conversion Process and Weighted Reliability Index'.

**SP=Suppressed** by agreement with data provider when denominator is below agreed level and may compromise a person's rights to confidentiality.

**SN=Small Number Sample.** Geography has less than 30 events in the denominator. More reliable at 5 year level or for larger area.

**NR=Not reliable** due to non-reporting of police jurisdictions data. Fifty percent or more of the population is not represented by the data due to non-reporting jurisdictions.

## CORE-GIS Conversion Process and Weighted Reliability Index

CORE-GIS obtains data from more than fifty government agency sources. The data are represented as events (e.g. # of teen births, # of crimes, # of clients) occurring within a given geographic unit. This geographic unit is generally the smallest that can be obtained from the agency source. For example, data may be available by school district, by zip code, by census tract or by police jurisdictions. CORE-GIS calls these geographic units the "source geography."

CORE-GIS data is usually reported at the geographic level of county or community – called in the rest of this report the "destination geography." Therefore, data usually needs to be converted from the "source geographies" to the "destination geography."

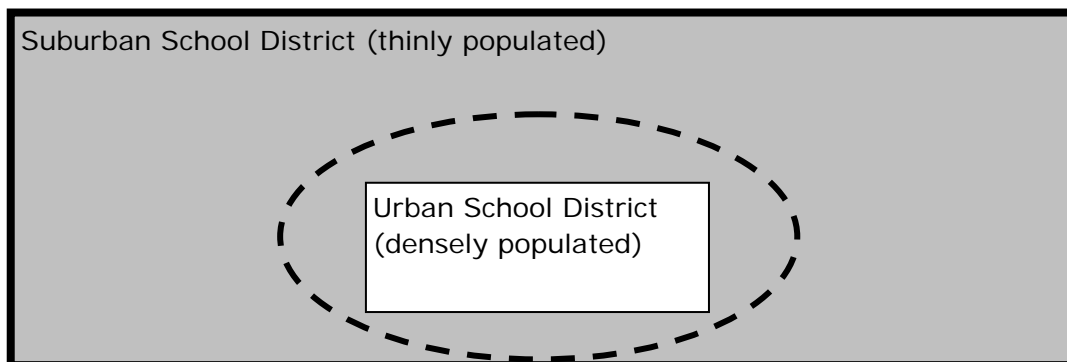
The conversion is based on an overlay process, in which the events occurring in small source geographies that are totally contained within the destination are combined with synthetic estimates of events occurring in source geographies that are partly within and partly outside the destination geography.

The synthetic estimation is weighted by the population distribution between the source and destination areas. Therefore, it requires a small-scale count of the population underlying both source and destination geographies. This process is explained below through examples.

Data being converted from a smaller geography (source geography) like school district to a larger geography (like a county) is usually fairly reliable because most of the smaller pieces fit neatly and wholly into the new geography. (See example 1).

The rectangles represent two possible data source geographies (one densely populated school district – Urban School District -- and one thinly populated school district – Suburban School District -- surrounding it). The large oval represents a report's destination geography such as county, locale or network.

### Example 1



The following statements refer to the first example:

All of the events occurring in the urban school district can be attributed entirely to the destination geography.

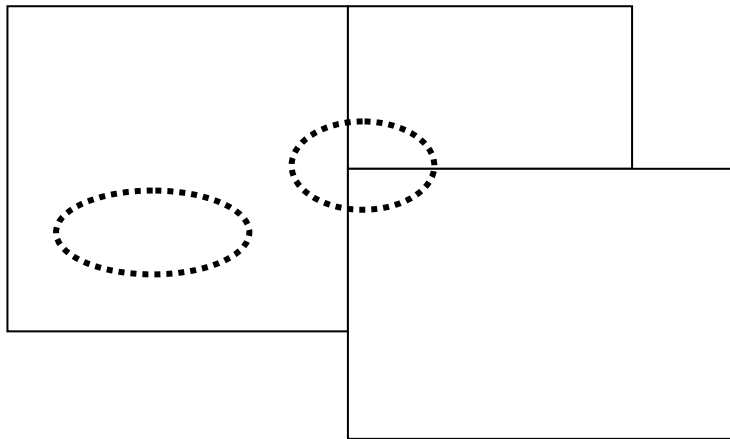
The events occurring in the split source geography (suburban school district, in this example) are distributed to the destination geography in the same proportion as the underlying population is distributed. If 40% of the suburban school district population lies within the destination geography, then 40% of its events are attributed to the destination geography.

These events are split by age, race and gender subgroups whenever possible, as are the populations. So the synthetic estimation is broken down that way also. If 40% of the young White population of the suburban school district lives in the destination geography, then 40% of the events occurring to young White people are attributed there. If, on the other hand, only 10% of the young American Indian population of the suburban school district lives in the destination geography, then only 10% of the events occurring to young American Indian people are attributed there.

While we can develop an algorithm to distribute all source geography populations to all destination geography populations, that distribution will not always be reliable.

For example, see the situation depicted in Example 2 below. Here we are trying to estimate the number of events contained in two very small destination geographies (the ovals). Could this synthetic estimate be reliable? Perhaps, if the small area within the ovals really is representative of the whole area -- but more likely not.

**Example 2**



A statistic is needed to assist researchers in determining when a destination geography's events cannot be reliably estimated using these processes. For CORE-GIS, that statistic is the Weighted Reliability Index (WRI).

The amount of overlap between source and destination populations can vary from less than 1% to 99% -- only a little of a source population can live in a destination, or almost all of the source population can live in a destination.

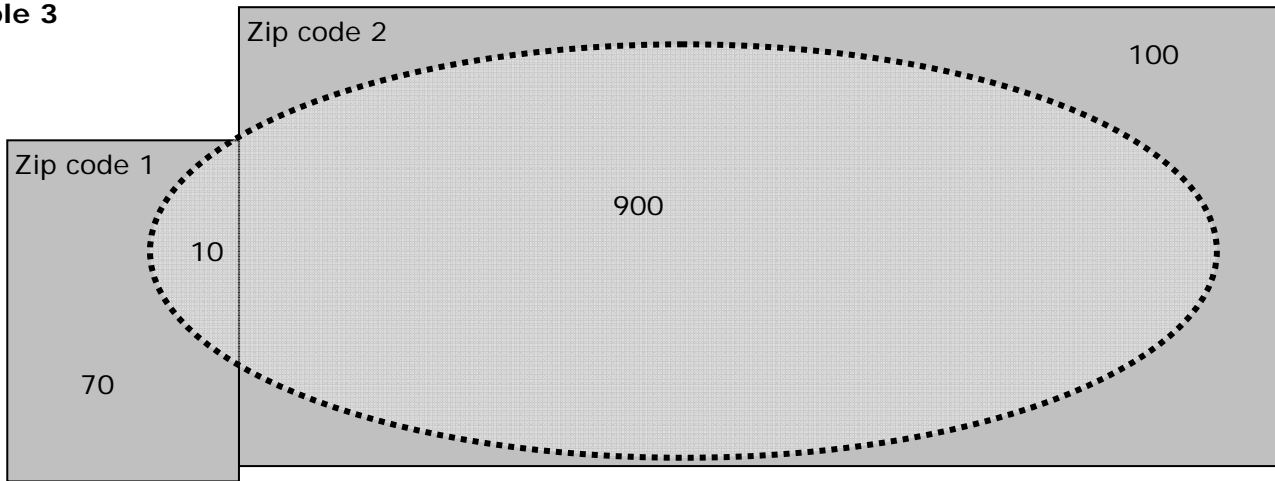
The key underlying assumption behind the CORE-GIS Weighted Reliability Index is as follows:

**When most of the population for the source geography is also in the destination geography, we can be more certain of the reliability of the estimation process.**

Therefore, the weighting process lets us calculate, for each source-geography/destination-geography combination, the reliability of each destination geography's estimate.

In the figure for Example 3, for zip code 2 the source area population is mostly in the destination oval (encased in the dashed line), but the majority population from the other contributing source area is not.

**Example 3**



The oval represents the destination geography boundary -- the edge of a destination city. The rectangles represent the source geography boundaries for two zip codes. The numbers are population of people living in each place: 10 people live both in Destination City and in the first source (Zip code 1), and 900 people live both in Destination City and in the second source (Zipcode2).

The formula for **Weighted Reliability Index** for a single destination is the total weighted destination population as a percent of total population. To understand this formula, see the calculations below.

	Percent of source population attributed to destination	Multiplied by the population attributed to the destination	Amount of destination population
zip code 1	10/80 = 12.5%	* 10	1.25
zip code 2	900/1000 = 90%	* 900	810.00
	<b>Total for Destination</b>	<b>910</b>	<b>811.25</b>

In the above example, the **Weighted Reliability Index** for Destination City is **811.25 / 910 = 89%**. **Basically, 89% of the event locations were directly attributed to the area they occurred.** Along with the WRI a cut point for reliable reporting is needed. When half or more of the events have been imputed to the destination geography, rather than directly attributed from the source geography, the data is considered unreliable and rates are suppressed.

**WRI for Areas with Non-Reporting of Data**

There is a second way that data may become unreliable. Some police jurisdictions do not report data to the state sources, use a reporting method which cannot be included in our files, fail to report for either adults or juveniles, or report for only part of a year. This is particularly true for court data – arrests or offenses. In order to accurately evaluate the reliability of data conversions for destination geographies containing those jurisdictions, non-reporting jurisdiction populations were excluded from the calculations for WRI and the non-reporting jurisdiction issue is evaluated separately.

Partial Reporting, part of a year or part of a population, is also taken into consideration when computing the percentage of non-reporting in a destination geography. Adult and juvenile rates are evaluated separately. Some areas may pass for one, but not for the other due to their reporting habits. For partial year reporting the percentage of the year with data reported is used to evaluate each category.

**Example 4**



The second test of reliability is to determine whether the population for the rate is adequately represented. In this example, allow the numbers inside the oval to represent a population of 100 allocated to the destination geography. Two source jurisdictions are entirely located in the destination geography represented by the oval. Their events when reported would be directly attributed. The non-reporting jurisdiction would have its population of 50 excluded from the calculation for WRI, while the reporting jurisdiction would have its population included in the calculation. In this case the completely contained reporting jurisdiction would represent 30 of the remaining 50 population (60%) in the destination oval. The imputed portion is 40% allowing the destination geography to pass the first test for WRI.

CORE-GIS also requires that the excluded non-reporting jurisdiction population (50 of 100) are less than 50% of the total population for the destination geography. With an exclusion rate of 50%, this destination geography would fail the reliability criteria.

The reliability of arrest rates is calculated each year based on non-reporting. For five year rates, three out of five data years must be considered reliable by both tests and the average of the yearly WRI for all five years must reach the WRI cut point value.

## Counties Like Us

Knowing that your county has a particular rate for one of the indicators does not help you evaluate the importance of that indicator to your risk profile. You do not know if it is higher or lower than you could reasonably expect. It is more useful to compare your county rate to the state rate, which is the average for the whole state, and to other counties, especially counties that have some characteristics in common with your county. This is especially important when urban rates differ substantially from rural rates. The comparison we present is for a group of counties that are similar in characteristics related to prevention planning: population of young people (aged 10-24), the percentage of deaths in the county that are alcohol and drug-related, and a simple geographic division into Eastern and Western Washington. For each indicator the Counties Like Us rate is the average rate across all of the counties in the cluster.

The groupings for "Counties Like Us" are as follows:

Urban A\* – King County

Urban B\* – Pierce, Snohomish, and Spokane

Urban C – Benton, Clark, Kitsap, Thurston, Whatcom, and Yakima

Rural A – Ferry, Franklin, Grant, Klickitat, Okanogan, Pend Oreille, and Skamania

Rural B – Adams, Asotin, Chelan, Columbia, Douglas, Garfield, Kittitas, Lincoln, Stevens, Walla, and Whitman

Rural C – Clallam, Cowlitz, Grays Harbor, Island, Jefferson, Lewis, Mason, Pacific, San Juan, Skagit, Wahkiakum

\* For comparison, King County is compared to Urban B, but average scores for the indicators in Urban B do not include King County.

## Duplicated and Unduplicated Counts

In an unduplicated person count, each person is counted only once in a year for the specified activity or service type, even if they receive that service multiple times during the year. Examples include Temporary Assistance to Needy Families (TANF) Child Recipients, Food Stamp Recipients, and alcohol or drug treatment. Duplicated counts are made of events such as prison admissions, arrests, births, or admission to a hospital for attempted suicide. For instance, each time a person is admitted to a prison, that "event" is counted. Therefore, a person admitted more than once is included more than once in the total count.

## Rates: why is "raw data" converted to rates?

In order to make comparisons between counties and the state, and between counties that have different sizes, we use rates to describe an event in terms of a standard size population---either per 100 (percent), per 1,000 or per 100,000. For instance, what does it mean if County A has 42 alcohol retail licenses, and County B has 399? Does it mean that based on this indicator, the risk factor (Availability) is much higher in County B than it is County A? No, not if County B is a much bigger county. If County B is bigger, then the "rate" of liquor licenses per population might be the same or even lower. The only way to compare them is to convert the raw numbers to rates, based on the same population factor.

For instance:

County A: # of licenses – 42, # of persons (all ages) – 14, 297

County B: # of licenses – 399, # of persons (all ages) – 186,185

To calculate the rate per 1,000:

$42 / 14,297 = .002937$   $.002937 \times 1,000 = 2.94$

$399 / 186,185 = .002143$   $.002143 \times 1,000 = 2.14$

So the rate of alcohol retail licenses is 2.94 per 1,000 people in County A, and 2.14 per 1,000 people in County B.

**Grays Harbor County**

**Populations subtracted for police agencies not reporting**

Police agencies are not required to report arrests or offences to UCR, they do so voluntarily. For a variety of reasons, a jurisdiction may report part or none of the arrests or offences for a year. In these cases, the denominator is the population of the areas that did report. For example, if juvenile arrests for one agency are not reported, the juveniles for that jurisdiction are not included in the population denominator either.

The tables below show the values that comprise the adjustment for your county for each age range we report. "% Subtracted" is the percent of the county's population subtracted for non-reporting. "Subtracted" is the amount subtracted. "Persons" is the locale's population. "Adjst'd Pop" is the denominator used to calculate indicator rates.

Nevertheless, rates can differ markedly from year to year particularly if a jurisdiction, where most of the crime in the county occurs, did not report. When 50% or more of the population is not reported the yearly rate is suppressed. Jurisdictions crossing county boundary lines are apportioned to each area by age, and sex of the population. When more than 40% of the reported events have been apportioned, "synthetically estimated", the yearly rate is suppressed.

All **Arrests** for 10-14 year olds have 5 year rates which represent **95.67** % of the population.  
Adjustments for non-reporting Arrests (age 10-14)

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
% Subtracted	3.45	5.48	4.73	4.89	5.40	5.15	5.10	3.90	3.88	5.06	3.70
Subtracted, 10-14	186	288	246	253	284	270	267	202	198	254	182
Persons, 10-14	5,393	5,258	5,202	5,176	5,262	5,245	5,233	5,180	5,098	5,015	4,918
Adjst'd Pop 10-14	5,207	4,970	4,956	4,923	4,978	4,975	4,966	4,978	4,900	4,761	4,736

All **Arrests** for 10-17 year olds have 5 year rates which represent **95.99** % of the population.  
Adjustments for non-reporting Arrests (age 10-17)

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
% Subtracted	3.29	5.29	4.52	4.64	5.08	4.80	4.77	3.58	3.58	4.72	3.42
Subtracted, 10-17	287	454	384	393	437	411	407	303	302	397	285
Persons, 10-17	8,714	8,583	8,500	8,466	8,605	8,554	8,535	8,469	8,446	8,405	8,324
Adjst'd Pop 10-17	8,427	8,129	8,116	8,073	8,168	8,143	8,128	8,166	8,144	8,008	8,039

All **Arrests** for adults have 5 year rates which represent **97.65** % of the population.  
Adjustments for non-reporting Arrests (age 18+)

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
% Subtracted	1.98	4.04	2.75	2.77	3.10	2.92	2.87	2.06	2.04	2.86	1.91
Subtracted, 18+	990	2,008	1,370	1,383	1,583	1,495	1,486	1,074	1,077	1,527	1,028
Persons, 18+	49,879	49,666	49,742	49,944	51,089	51,217	51,740	52,252	52,872	53,482	53,940
Adjst'd Pop 18+	48,889	47,658	48,372	48,561	49,506	49,722	50,254	51,178	51,795	51,955	52,912

All **Offences** for persons have 5 year rates which represent **97.22** % of the population.  
Adjustments for non-reporting Offences

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
% Subtracted	4.90	4.45	2.25	3.31	9.50	3.45	3.40	2.45	2.43	3.35	2.29
Subtracted, 18+	3,341	3,007	1,515	2,222	6,506	2,360	2,338	1,693	1,694	2,358	1,623
Persons, 18+	68,188	67,587	67,349	67,194	68,500	68,401	68,800	69,199	69,800	70,402	70,800
Adjst'd Pop 18+	64,977	61,994	61,977	61,994	61,994	66,041	66,462	67,506	68,106	68,044	69,177





