

**SECTION C: ENVIRONMENTAL HEALTH
SUBSECTION 1: NATURAL ENVIRONMENT**

C.1.1. DAYS WITH HEALTHY AIR

Particulate matter (PM) 2.5 concentration below 25 µ/m³ at Meadowdale monitoring station.

Source: Puget Sound Clean Air Agency. Trend years: 2001 to 2010.

	2001	2010	TREND
KITSAP COUNTY	97.4%	97.7%	--

C.1.2. DRINKING WATER SYSTEMS MEET STANDARDS

Group A/B drinking water systems (average of 895 systems collecting samples) meet standards for acceptable levels of total coliform bacteria.

Source: Drinking Water Program, Kitsap County Health District. Trend years: 2001 to 2010.

	2001	2010	TREND
KITSAP COUNTY	91.4%	97.9%	
% of systems collecting samples	64.6%	81.8%	

C.1.3. FRESH WATER STREAMS MEET STANDARDS

Fresh water streams (samples from 52 long-term monitoring stations) meet standards for acceptable levels of total coliform bacteria.

Source: Water Quality Program, Kitsap County Health District. Trend years: 2004 to 2010.

	2004	2010	TREND
KITSAP COUNTY	32.7%	42.3%	--

C.1.4. SHORELINE MILES MEET STANDARDS

Shoreline miles (226 total) classified as "open" for shellfish harvest.

Source: Water Quality Program, Kitsap County Health District. Trend years: 2000, 2006 to 2010.

	2000	2010	TREND
KITSAP COUNTY	154.7	189.0	

C.1.5. FOOD SERVICE ESTABLISHMENTS MEET STANDARDS

Food service establishments have fewer than 35 violations during routine inspections.

Source: Food Program, Kitsap County Health District. Trend years: 2000 to 2010.

	2000	2010	TREND
WA STATE	not available	94.1%	n/a
KITSAP COUNTY	89.8%	97.4%	
KITSAP COMPARED TO WA	n/a	better	

C.1.6. UNSAFE FOOD, WATER, OR POOR HYGIENE RELATED ILLNESS RATE PER 100,000

Sources: Kitsap: Public Health Information Management System (PHIMS), WA State Dept. of Health. Trend years: 2000, 2004 to 2009. WA: WA State Communicable Disease Report, 2009. Trend years: 2000-2009.

	2000	2009	TREND
WA STATE	57.5 per 100,000	43.6 per 100,000	--
KITSAP COUNTY	36.6 per 100,000	29.9 per 100,000	--
KITSAP COMPARED TO WA	better	better	

**SECTION C: ENVIRONMENTAL HEALTH
SUBSECTION 2: BUILT ENVIRONMENT**

C.2.1. ARTS, RECREATION, ENTERTAINMENT FACILITY DENSITY PER 100,000

Includes performing arts, spectator sports, museums, historical sites, amusement and recreation facilities; excludes gambling industries.

Source: US Census State/County Business Patterns. Trend years: 1998 to 2009.

WA STATE:	1998	2009	TREND
ARTS, REC, ENTERTAINMENT	39.4 per 100,000	38.5 per 100,000	--
FITNESS/REC CENTERS ONLY	9.3 per 100,000	11.3 per 100,000	INCREASED
KITSAP COUNTY:	1998	2009	TREND
ARTS, REC, ENTERTAINMENT	29.2 per 100,000	33.9 per 100,000	INCREASED
FITNESS/REC CENTERS ONLY	5.2 per 100,000	9.3 per 100,000	INCREASED
KITSAP COUNTY COMPARED TO WA STATE:			
ARTS, REC, ENTERTAINMENT	lower	--	
FITNESS/REC CENTERS ONLY	lower	--	

C.2.2. FOOD AND BEVERAGE STORE DENSITY PER 100,000

Source: US Census State/County Business Patterns. Trend years: 1998 to 2009.

WA STATE:	1998	2009	TREND
SUPERMARKET STORES	25.3 per 100,000	21.6 per 100,000	DECREASED
CONVENIENCE STORES	10.2 per 100,000	9.0 per 100,000	--
CONVENIENCE & GAS STATION	24.8 per 100,000	25.6 per 100,000	--
KITSAP COUNTY:	1998	2009	TREND
SUPERMARKET STORES	20.9 per 100,000	18.2 per 100,000	DECREASED
CONVENIENCE STORES	8.3 per 100,000	13.3 per 100,000	INCREASED
CONVENIENCE & GAS STATION	20.4 per 100,000	17.8 per 100,000	--
KITSAP COUNTY COMPARED TO WA STATE:			
SUPERMARKET STORES	--	--	
CONVENIENCE STORES	--	higher	
CONVENIENCE & GAS STATION	--	lower	

C.2.3. RESTAURANT DENSITY PER 100,000

Source: US Census State/County Business Patterns. Trend years: 1998 to 2009.

WA STATE:	1998	2009	TREND
FAST FOOD	66.3 per 100,000	71.5 per 100,000	--
FULL SERVICE	82.8 per 100,000	81.8 per 100,000	INCREASED
KITSAP COUNTY:	1998	2009	TREND
FAST FOOD	56.6 per 100,000	63.4 per 100,000	INCREASED
FULL SERVICE	67.9 per 100,000	75.7 per 100,000	INCREASED
KITSAP COUNTY COMPARED TO WA STATE:			
FAST FOOD	--	--	
FULL SERVICE	lower	lower	

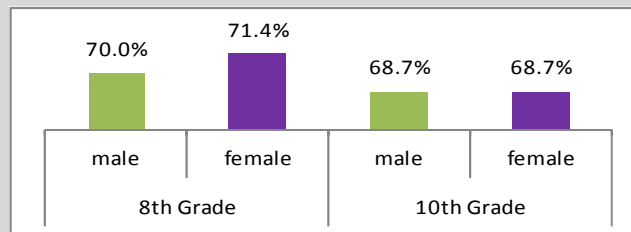
**SECTION C: ENVIRONMENTAL HEALTH
SUBSECTION 3: TRANSPORTATION**

C.3.1. YOUTH NEVER WALK TO SCHOOL

Source: Healthy Youth Survey. Trend years: 2008 and 2010.

	2008	2010	TREND
8th Grade			
WA STATE	62.9%	63.1%	--
KITSAP COUNTY	67.6%	70.8%	
KITSAP COMPARED TO WA	worse	worse	
10th Grade			
WA STATE	63.3%	64.1%	--
KITSAP COUNTY	64.2%	68.6%	
KITSAP COMPARED TO WA	--	worse	

KITSAP BY GENDER: 2010

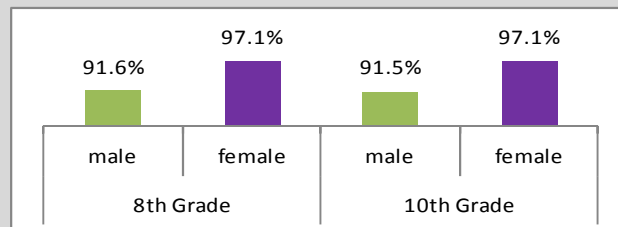


C.3.2. YOUTH NEVER BIKE TO SCHOOL

Source: Healthy Youth Survey. Trend years: 2008 and 2010.

	2008	2010	TREND
8th Grade			
WA STATE	91.0%	92.9%	
KITSAP COUNTY	93.0%	94.4%	--
KITSAP COMPARED TO WA	worse	worse	
10th Grade			
WA STATE	92.7%	93.9%	
KITSAP COUNTY	92.9%	94.4%	--
KITSAP COMPARED TO WA	--	--	

KITSAP BY GENDER: 2010



**SECTION C: ENVIRONMENTAL HEALTH
SUBSECTION 3: TRANSPORTATION**

C.3.3. DRIVE ALONE TO WORK

Drive alone to work are workers age 16+ who do not work at home.

Source: US Census and American Community Survey. Trend years: 2000, 2007-09.

	2000	2007-09	TREND
WA STATE	76.6%	75.9%	--
KITSAP COUNTY	69.5%	71.9%	--
KITSAP COMPARED TO WA	better	better	

KITSAP ADDITIONAL COMMUTE METHODS: 2007-09

Carpool/vanpool: 13.6%

Bus/train/ferry: 8.0%

Walked: 3.8%

Bicycled: 0.7%

Motorcycle: 0.7%

Other means: 1.2%

Work from home: 5.6%

C.3.4. KITSAP TRANSIT RIDERSHIP

Includes: routed buses, foot ferries, ACCESS, worker/driver buses, and vanpools.

Note: In 2000, passage of I-695 resulted in service cutbacks up to 40%. In 2009, loss of sales tax revenue from recession resulted in service reductions up to 30%.

Source: Kitsap Transit. Trend years: 1997-2010.

	1997	2010	TREND
KITSAP COUNTY	5,400,009	3,890,323	

KITSAP TRANSIT RIDERSHIP BY MODE: 2010

Routed buses: 64.1%

Foot ferry: 11.4%

Worker/driver buses: 9.9%

Vanpools: 8.6%

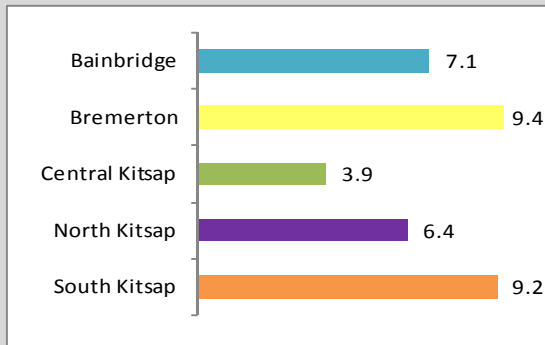
ACCESS: 6.0%

C.3.5. MOTOR VEHICLE RELATED DEATH RATE PER 100,000 (AGE ADJUSTED)

Source: Death Certificate Database, WA State Department of Health. Trend years: 1992-94 to 2007-09.

	1992-94	2007-09	TREND
WA STATE	13.2 per 100,000	8.6 per 100,000	
KITSAP COUNTY	11.5 per 100,000	9.4 per 100,000	
KITSAP COMPARED TO WA	--	--	

KITSAP AGE ADJUSTED DEATH RATE BY SUBGROUP: 2007-09



- 3.8 per 100,000 females
- 12.4 per 100,000 males
- 3.1 per 100,000 age 0 to 18
- 14.5 per 100,000 age 19 to 34
- 6.4 per 100,000 age 35 to 64
- 12.2 per 100,000 age 65+

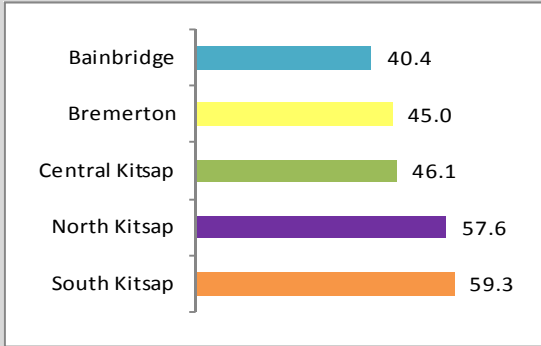
**SECTION C: ENVIRONMENTAL HEALTH
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C.3.6. MOTOR VEHICLE RELATED HOSPITALIZATION RATE PER 100,000 (AGE ADJUSTED)

Source: Comprehensive Hospital Abstract Reporting System, WA State Department of Health. Trend years: 1992-94 to 2007-09.

	1992-94	2007-09	TREND
WA STATE	86.6 per 100,000	56.1 per 100,000	
KITSAP COUNTY	86.4 per 100,000	50.6 per 100,000	
KITSAP COMPARED TO WA	--	--	

KITSAP AGE ADJUSTED HOSPITALIZATION RATE BY SUBGROUP: 2007-09



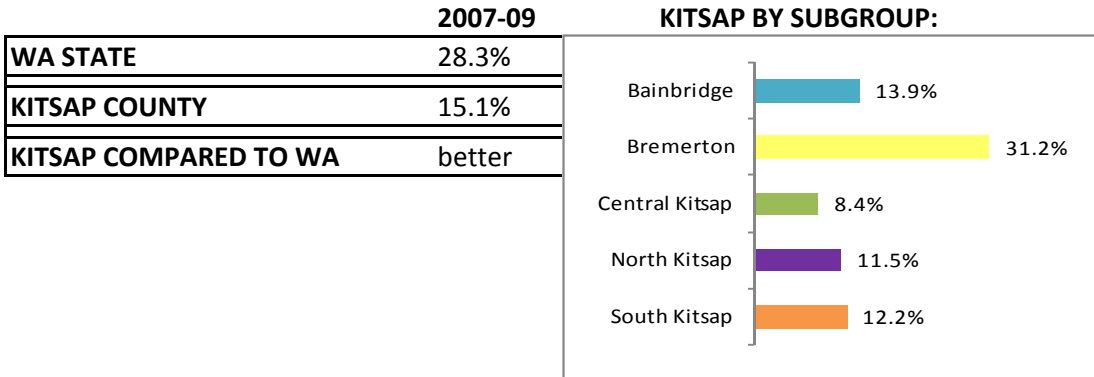
- 37.5 per 100,000 females
- 62.8 per 100,000 males
- 23.2 per 100,000 youth age 0-18
- 65.9 per 100,000 age 19 to 34
- 55.9 per 100,000 age 35 to 64
- 68.3 per 100,000 age 65+

**SECTION C: ENVIRONMENTAL HEALTH
SUBSECTION 4: ENVIRONMENTAL EXPOSURES**

C.4.1. RISK OF LEAD EXPOSURE

Risk of lead exposure is the proportion of housing units by year built and the estimated lead-based paint hazard risk based on the age of the house (methods from Clinckner et al).

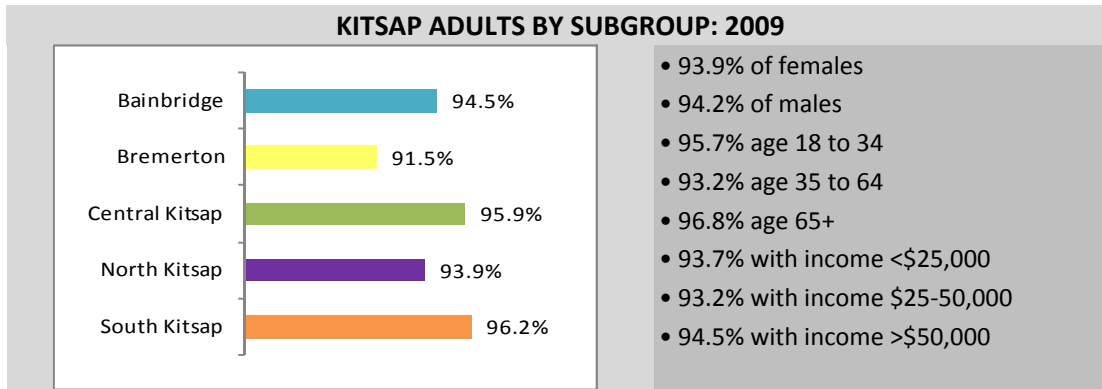
Sources: American Community Survey 2007-09; Clinckner, R. et al. "National Survey of Lead and Allergens in Housing, Final Report, Volume 1: Analysis of Lead Hazards." Report to the Office of Lead Hazard Control, US Dept. of Housing and Urban Development, 2001.



C.4.2. ADULTS REPORT NO ONE IS ALLOWED TO SMOKE ANYWHERE INSIDE THEIR HOME

Source: Behavioral Risk Factor Surveillance System. Trend years: 2003-2009.

	2003	2009	TREND
WA STATE	82.7%	93.8%	↑
KITSAP COUNTY	81.8%	94.0%	↑
KITSAP COMPARED TO WA	--	--	



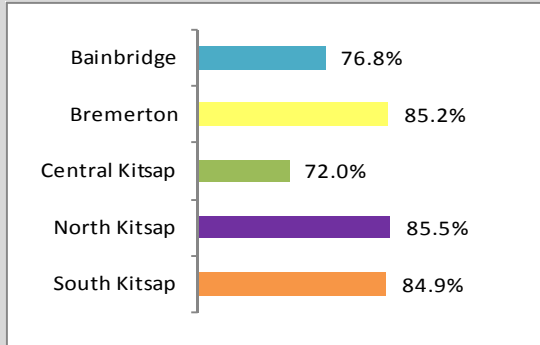
**SECTION C: ENVIRONMENTAL HEALTH
SUBSECTION 4: ENVIRONMENTAL EXPOSURES**

C.4.3. ADULTS REPORT NO ONE IS ALLOWED TO SMOKE INSIDE FAMILY VEHICLES

Source: Behavioral Risk Factor Surveillance System.

	2009
WA STATE	81.8%
KITSAP COUNTY	81.9%
KITSAP COMPARED TO WA	--

KITSAP ADULTS BY SUBGROUP: 2009



- 79.6% of females
- 84.1% of males
- 72.7% age 18 to 34
- 85.3% age 35 to 64
- 87.7% age 65+
- 72.0% with income <\$25,000
- 79.0% with income \$25-50,000
- 87.1% with income >\$50,000

C.4.4. EARLY POST PARTUM WOMEN REPORT NO ONE IS ALLOWED TO SMOKE INSIDE VEHICLES

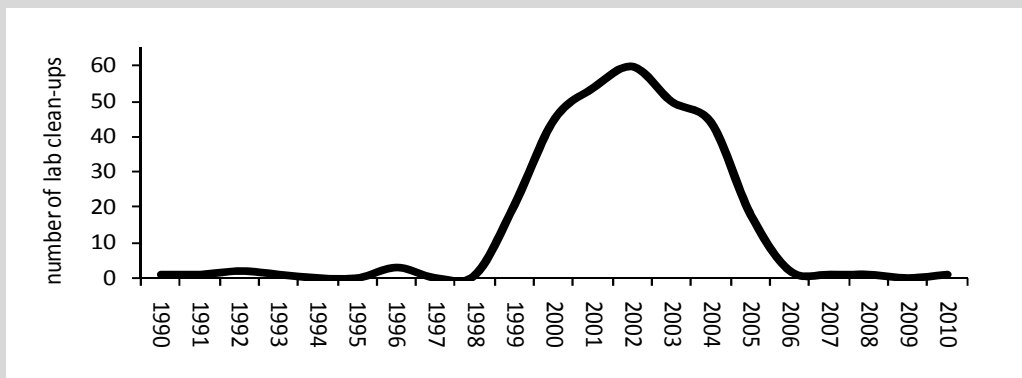
Source: Welcome Home Baby Program, Kitsap County Health District.

	Total	Low-Income	Not Low-Income
KITSAP COUNTY 2008-2010:	95.9%	94.5%	98.5%

C.4.5. METHAMPHETAMINE LAB CLEAN-UPS

Source: WA State Department of Ecology.

KITSAP COUNTY



**C.4.6. TONS OF MUNICIPAL SOLID WASTE: DISPOSAL AND RECYCLE RATE PER PERSON
1 ton = 2,000 pounds**

Source: WA State Annual Recycling Survey (Dept. of Ecology), Kitsap County Public Works, Solid Waste Division

	2002	2009	TREND
MSW DISPOSAL RATE	0.76	0.74	--
MSW RECYCLE RATE	0.42	0.49	--