

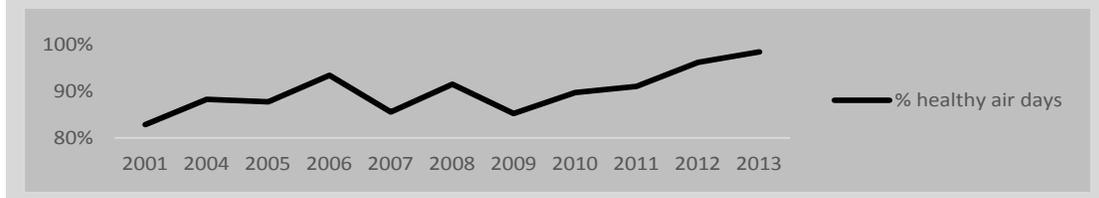
**SECTION C: ENVIRONMENTAL HEALTH
SUBSECTION 1: NATURAL ENVIRONMENT**

C.1.1. DAYS WITH HEALTHY AIR

Particulate matter (PM) 2.5 concentration below 13.4 μm^3 at Meadowdale monitoring station (from 2001 to April 2012) and at Spruce monitoring station (from May 2012 to 2013).

Source: Puget Sound Clean Air Agency. Trend years: 2001 and 2004 to 2013.

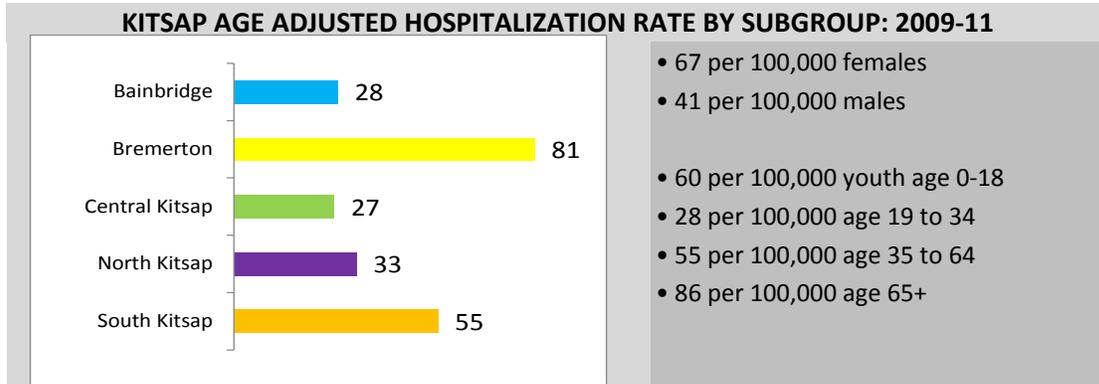
| | 2001 | 2013 | TREND |
|----------------------|------|------|---|
| KITSAP COUNTY | 83% | 99% |  |



C.1.2. ASTHMA HOSPITALIZATION RATE PER 100,000 (AGE ADJUSTED)

Source: Comprehensive Hospital Abstract Reporting System, WA State Department of Health. Trend years: 1991-93 to 2009-11. Note: Includes hospitalizations for injuries that result in death.

| | 1991-93 | 2009-11 | TREND |
|------------------------------|-----------------|----------------|---|
| WA STATE | 109 per 100,000 | 72 per 100,000 |  |
| KITSAP COUNTY | 123 per 100,000 | 54 per 100,000 |  |
| KITSAP COMPARED TO WA | worse | better | |

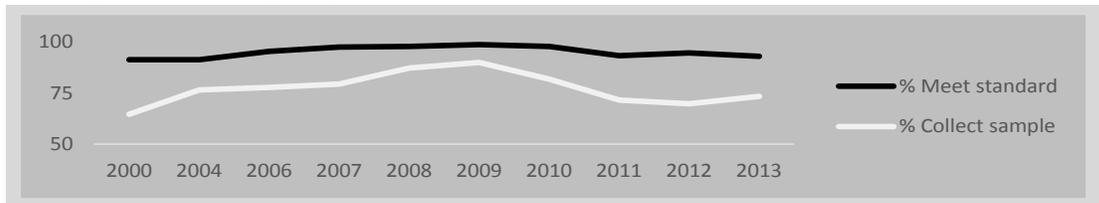


C.1.3. DRINKING WATER SYSTEMS MEET STANDARDS

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 Public Health District. Trend years: 2000, 2004, 2006 to 2013.

| | 2000 | 2013 | TREND |
|---------------------------------|------|------|-------|
| KITSAP COUNTY | 91% | 93% | -- |
| % of systems collecting samples | 65% | 73% | -- |



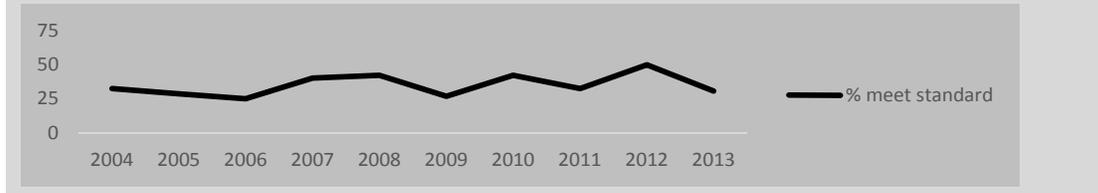
**SECTION C: ENVIRONMENTAL HEALTH
SUBSECTION 1: NATURAL ENVIRONMENT**

C.1.4. 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 Public Health District. Trend years: 2004 to 2013.

| | 2004 | 2013 | TREND |
|----------------------|------|------|-------|
| KITSAP COUNTY | 33% | 31% | -- |



C.1.5. 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 2013.

| | 2000 | 2013 | TREND |
|----------------------|------|------|-------|
| KITSAP COUNTY | 155 | 192 | |



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 2012. WA: WA State Communicable Disease Report, 2009-12. Trend years: 2000 to 2012.

| | 2000 | 2012 | TREND |
|------------------------------|----------------|----------------|-------|
| WA STATE | 58 per 100,000 | 52 per 100,000 | -- |
| KITSAP COUNTY | 37 per 100,000 | 33 per 100,000 | -- |
| KITSAP COMPARED TO WA | better | better | |

KITSAP OVER TIME



**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 2011.

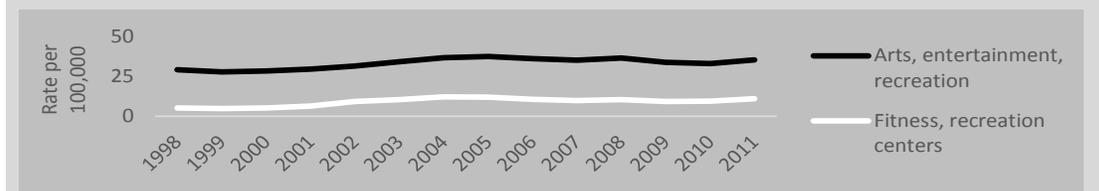
| WA STATE: | 1998 | 2011 | TREND |
|---------------------------------|----------------|----------------|--------------|
| ARTS, REC, ENTERTAINMENT | 39 per 100,000 | 39 per 100,000 | -- |
| FITNESS/REC CENTERS ONLY | 9 per 100,000 | 12 per 100,000 | INCREASED |

| KITSAP COUNTY: | 1998 | 2011 | TREND |
|---------------------------------|----------------|----------------|--------------|
| ARTS, REC, ENTERTAINMENT | 29 per 100,000 | 35 per 100,000 | INCREASED |
| FITNESS/REC CENTERS ONLY | 5 per 100,000 | 11 per 100,000 | INCREASED |

KITSAP COUNTY COMPARED TO WA STATE:

| | | |
|---------------------------------|-------|------|
| ARTS, REC, ENTERTAINMENT | lower | same |
| FITNESS/REC CENTERS ONLY | lower | same |

KITSAP OVER TIME



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

Source: US Census State/County Business Patterns. Trend years: 1998 to 2011.

| WA STATE: | 1998 | 2011 | TREND |
|--------------------------------------|----------------|----------------|--------------|
| SUPERMARKET STORES | 25 per 100,000 | 22 per 100,000 | DECREASED |
| CONVENIENCE STORES | 10 per 100,000 | 9 per 100,000 | -- |
| CONVENIENCE & GAS STATION | 26 per 100,000 | 25 per 100,000 | -- |

| KITSAP COUNTY: | 1998 | 2011 | TREND |
|--------------------------------------|----------------|----------------|--------------|
| SUPERMARKET STORES | 21 per 100,000 | 19 per 100,000 | DECREASED |
| CONVENIENCE STORES | 8 per 100,000 | 14 per 100,000 | INCREASED |
| CONVENIENCE & GAS STATION | 20 per 100,000 | 18 per 100,000 | -- |

KITSAP COUNTY COMPARED TO WA STATE:

| | | |
|--------------------------------------|------|--------|
| SUPERMARKET STORES | same | same |
| CONVENIENCE STORES | same | higher |
| CONVENIENCE & GAS STATION | same | lower |

KITSAP OVER TIME



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

C.2.3. FOOD ASSISTANCE-AUTHORIZED STORE DENSITY PER 1,000

Source: US Department of Agriculture Food Environment Atlas. Trend years: 2008 and 2012.

| KITSAP COUNTY: | 2008 | 2012 | TREND |
|------------------------|-------------|-------------|--------------|
| WIC-AUTHORIZED | 0.1 | 0.1 | -- |
| SNAP-AUTHORIZED | 0.5 | 0.6 | -- |

C.2.4. FARMERS MARKETS IN KITSAP COUNTY

Source: Washington State University and US Department of Agriculture Food Environment Atlas.

Bainbridge: Bainbridge Island Saturday Farmer's Market
Bainbridge Island Winter Farmer's Market

Bremerton: Bremerton Farmers Market

Central Kitsap: Silverdale Farmers Market

North Kitsap: Kingston Farmers Market
Poulsbo Farmers Market
Suquamish Farmers Market
Port Gamble Sunday Market (Farm Stand)

South Kitsap: Port Orchard Farmers Market

Farmers markets that report accepting WIC (2013): 88%

Farmers markets that report accepting SNAP (2013): 88%

C.2.5. RESTAURANT DENSITY PER 100,000

Source: US Census State/County Business Patterns. Trend years: 1998 to 2011.

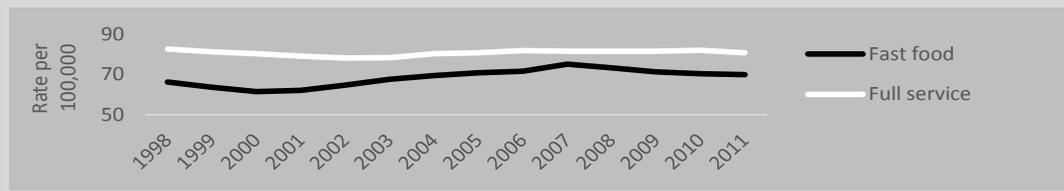
| WA STATE: | 1998 | 2011 | TREND |
|---------------------|----------------|----------------|--------------|
| FAST FOOD | 66 per 100,000 | 70 per 100,000 | INCREASED |
| FULL SERVICE | 83 per 100,000 | 81 per 100,000 | -- |

| KITSAP COUNTY: | 1998 | 2011 | TREND |
|-----------------------|----------------|----------------|--------------|
| FAST FOOD | 57 per 100,000 | 60 per 100,000 | INCREASED |
| FULL SERVICE | 68 per 100,000 | 67 per 100,000 | INCREASED |

KITSAP COUNTY COMPARED TO WA STATE:

| | | |
|---------------------|-------|-------|
| FAST FOOD | same | lower |
| FULL SERVICE | lower | lower |

KITSAP OVER TIME



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

C.2.6. FOOD SERVICE ESTABLISHMENTS WITH RED VIOLATIONS

Food service establishments have at least one red violation during routine inspections. A red violation indicates high risk for food contamination threats to human health.

Source: Food Program, Kitsap Public Health District. Trend years: 2008 to 2013.

| | 2008 | 2013 | TREND |
|----------------------|-------------|-------------|--------------|
| KITSAP COUNTY | 48% | 31% | ↓ |



C.2.7. FOOD SERVICE ESTABLISHMENTS WITH MORE THAN 35 CRITICAL VIOLATIONS

Permanent food service establishments that received a routine inspection and were found to have more than 35 critical violation points. Follow-up inspections are excluded.

Source: Food Program, Kitsap Public Health District. Trend years: 2008 and 2012.

| | 2008 | 2012 | TREND |
|------------------------------|-------------|-------------|--------------|
| WA STATE | 7% | 6% | ↓ |
| KITSAP COUNTY | 6% | 4% | ↓ |
| KITSAP COMPARED TO WA | better | better | |

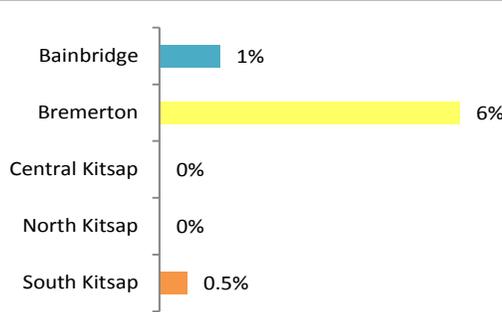
**SECTION C: ENVIRONMENTAL HEALTH
SUBSECTION 3: TRANSPORTATION**

C.3.1. PUBLIC SCHOOL BUS RIDERS PICKED UP IN THE WALK ZONE

Source: Office of the Superintendent of Public Instruction. Years are average of counts of riders from the walk zone and total bus riders in Fall, Winter and Spring. Trend is comparison of 2011-12 and 2013-14.

| | 2011-12 | 2013-14 | TREND |
|------------------------------|---------|---------|-------|
| WA STATE | 2% | 1% | |
| KITSAP COUNTY | 0.4% | 1% | |
| KITSAP COMPARED TO WA | LOWER | LOWER | |

KITSAP PUBLIC SCHOOL BUS RIDERS PICKED UP IN THE WALK ZONE: 2013-14

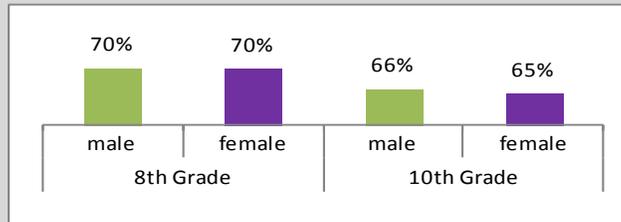


C.3.2. YOUTH NEVER WALK TO SCHOOL

Source: Healthy Youth Survey. Trend years: 2008, 2010, 2012.

| | 2008 | 2012 | TREND |
|------------------------------|-------|-------|-------|
| 8th Grade | | | |
| WA STATE | 63% | 63% | -- |
| KITSAP COUNTY | 68% | 70% | -- |
| KITSAP COMPARED TO WA | worse | worse | |
| 10th Grade | | | |
| WA STATE | 63% | 66% | -- |
| KITSAP COUNTY | 64% | 66% | -- |
| KITSAP COMPARED TO WA | same | same | |

KITSAP BY GENDER: 2012



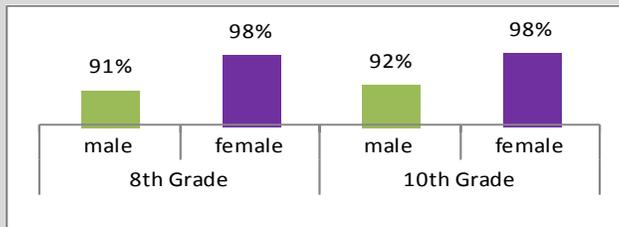
**SECTION C: ENVIRONMENTAL HEALTH
SUBSECTION 3: TRANSPORTATION**

C.3.3. YOUTH NEVER BIKE TO SCHOOL

Source: Healthy Youth Survey. Trend years: 2008, 2010, 2012.

| | 2008 | 2012 | TREND |
|------------------------------|-------|-------|-------|
| 8th Grade | | | |
| WA STATE | 91% | 93% | -- |
| KITSAP COUNTY | 93% | 95% | -- |
| KITSAP COMPARED TO WA | worse | worse | |
| 10th Grade | | | |
| WA STATE | 93% | 94% | -- |
| KITSAP COUNTY | 93% | 95% | -- |
| KITSAP COMPARED TO WA | same | same | |

KITSAP BY GENDER: 2012



C.3.4. COMMUTING TO WORK

Population includes workers age 16+ who do not work at home.

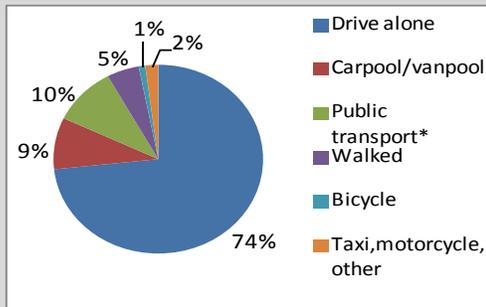
Source: US Census and American Community Survey. Trend years: 2000, 2012.

| | 2000 | 2012 | TREND |
|------------------------------|-------|-------|---|
| WA STATE | | | |
| DRIVE ALONE TO WORK | 77% | 76% | |
| KITSAP COUNTY | | | |
| DRIVE ALONE TO WORK | 70% | 74% | |
| KITSAP COMPARED TO WA | worse | worse | |

KITSAP COUNTY: OTHER COMMUTING METHODS

| | | | |
|------------------------------------|------|-----|-----------|
| Carpool/vanpool | 15% | 9% | DECREASED |
| Public transport (bus,train,ferry) | 9% | 10% | INCREASED |
| Walked | 4% | 5% | INCREASED |
| Bicycled | 0.6% | 1% | INCREASED |
| Taxi,motorcycle, other means | 2% | 2% | DECREASED |
| Work from home | 5% | 7% | INCREASED |

KITSAP COMMUTE METHODS: 2012



Worked from home: 7%

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

C.3.5. KITSAP TRANSIT RIDERSHIP

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

Source: Kitsap Transit. Trend years: 1997 to 2013.

| | 1997 | 2013 | TREND |
|----------------------------------|-------------|-------------|--------------|
| TOTAL RIDERS ON ALL MODES | 5,400,009 | 3,928,517 | DECREASED |
| % OF RIDERS BY MODE: | | | |
| Routed buses | 75% | 62% | DECREASED |
| Worker/driver buses | 8% | 13% | INCREASED |
| Foot ferry | 7% | 11% | INCREASED |
| Vanpools | 5% | 8% | INCREASED |
| Access bus | 5% | 5% | -- |

ADDITIONAL INFORMATION BY MODE:

Routed buses: mid-day and commuters (WSF and PSNS). On-board survey found: annual income of riders: 56% <\$35,000; 21% >\$75,000. 55% male. 42% of riders don't have valid driver's license.

Worker/driver buses: Serve two locations PSNS and Bangor, mostly civil service employees. Demographic: male, older, median income.

Foot Ferry: similar demographics to routed bus passengers.

Vanpools: riders are travelling to/from an employment site, primarily outside of Kitsap County. Demographic: generally older, have higher than median income.

Access bus: Riders must be eligible under Federal Americans with Disabilities Act. Demographic: largely senior and disabled.

ADDITIONAL INFORMATION ON FUNDING AND RIDERSHIP:

74% of day-to-day service operation funding comes from local sales tax revenue (0.08 of county sales tax rate); additional 20% comes from fares; remaining 6% is a mix of income from interest, leases and advertising. Capital projects (vehicles and facilities) funded primarily with federal grant funds and local match.

Ridership decreases when service is cut due to drops in sales tax revenue, resulting in fare revenue decrease. Ridership impacted by military movements, opening of new Tacoma Narrows bridge, WSF fare increases, among others.

C.3.6. PARATRANSIT ONE-WAY TRIPS

Paratransit Services is the Kitsap County Medicaid Broker for eligible medical appointment transportation, funded by the WA State Health Care Authority and provides ADA complementary service through Kitsap Transit. Paratransit assigns trips to sub-contracted providers; purchases bus fare, ferry fare or fuel; or reimburses clients for mileage. Total one-way trips includes all modes.

Note: Substantial changes to Medicaid services have reduced the number of trips overtime.

Source: Paratransit Services. Trend years: 2009 to 2013.

| | 2009 | 2013 | TREND |
|------------------------------------|-------------|-------------|--------------|
| TOTAL ONE-WAY TRIPS | 129,467 | 76,706 | DECREASED |
| % OF ONE-WAY TRIPS BY MODE: | | | |
| Public Transit*^ | 41% | 9% | -- |
| Ambulatory | 40% | 59% | INCREASED |
| Non-Ambulatory** | 7% | 15% | INCREASED |
| Ferry | 2% | 3% | -- |
| Fuel | 8% | 9% | -- |
| Mileage Reimbursement | 2% | 4% | -- |

*Public Transit are also reported as Access bus riders above in previous indicator of Kitsap Transit riders.

^Public Transit trend not statistical because 2009-12 trip numbers were similar, dramatic decrease was in 2013.

**requires a vehicle with a lift

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

C.3.7. MOTOR VEHICLE INJURY RELATED DEATH RATE PER 100,000 (AGE ADJUSTED)

Source: Death Certificate Database, WA State Department of Health. Trend years: 1991-93 to 2009-11.

| | 1991-93 | 2009-11 | TREND |
|------------------------------|----------------|---------------|-------|
| WA STATE | 14 per 100,000 | 8 per 100,000 | |
| KITSAP COUNTY | 13 per 100,000 | 8 per 100,000 | |
| KITSAP COMPARED TO WA | same | same | |

KITSAP AGE ADJUSTED DEATH RATE BY SUBGROUP: 2009-11



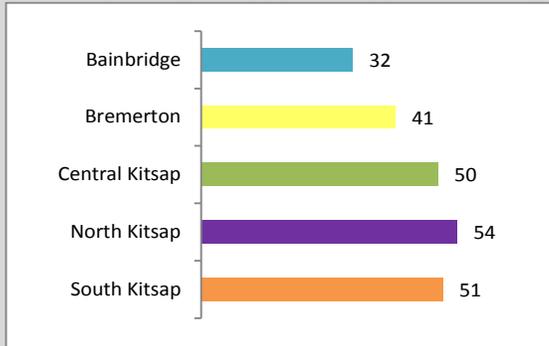
- 3 per 100,000 females
- 11 per 100,000 males
- 3 per 100,000 age 0 to 18
- 11 per 100,000 age 19 to 34
- 7 per 100,000 age 35 to 64
- 13 per 100,000 age 65+

C.3.8. MOTOR VEHICLE INJURY RELATED HOSPITALIZATION RATE PER 100,000 (AGE ADJUSTED)

Source: Comprehensive Hospital Abstract Reporting System, WA State Department of Health. Trend years: 1991-93 to 2009-11. Note: Includes hospitalizations for injuries that result in death.

| | 1991-93 | 2009-11 | TREND |
|------------------------------|----------------|----------------|-------|
| WA STATE | 92 per 100,000 | 53 per 100,000 | |
| KITSAP COUNTY | 93 per 100,000 | 47 per 100,000 | |
| KITSAP COMPARED TO WA | same | better | |

KITSAP AGE ADJUSTED HOSPITALIZATION RATE BY SUBGROUP: 2009-11



- 32 per 100,000 females
- 61 per 100,000 males
- 23 per 100,000 youth age 0-18
- 72 per 100,000 age 19 to 34
- 45 per 100,000 age 35 to 64
- 60 per 100,000 age 65+

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

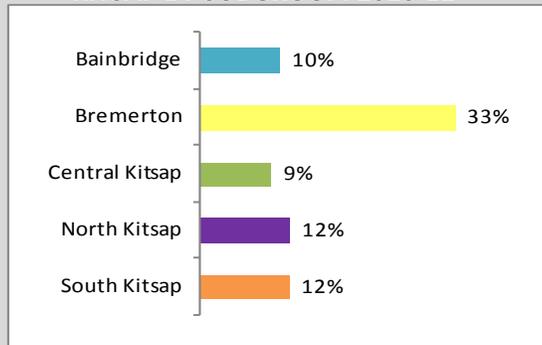
C.4.1. RISK OF LEAD EXPOSURE

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.

Sources: American Community Survey; 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.

| | 2005 | 2010-12 | TREND |
|------------------------------|--------|---------|---|
| WA STATE | 19% | 17% |  |
| KITSAP COUNTY | 15% | 15% |  |
| KITSAP COMPARED TO WA | better | better | |

KITSAP BY SUBGROUP: 2010-12



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

Source: Behavioral Risk Factor Surveillance System. Trend years: 2003 to 2010.

| | 2003 | 2010 | TREND |
|------------------------------|------|------|---|
| WA STATE | 83% | 95% |  |
| KITSAP COUNTY | 82% | 95% |  |
| KITSAP COMPARED TO WA | same | same | |

KITSAP ADULTS BY SUBGROUP: 2010

- 94% of females
- 95% of males
- n<30 age 18 to 34
- 94% age 35 to 64
- 96% age 65+
- n<30 with income <\$25,000
- 94% with income \$25-50,000
- 93% with income >\$50,000

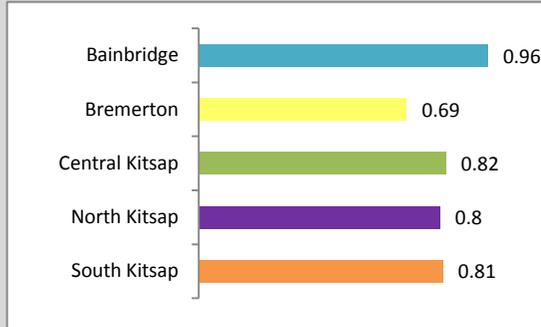
**SECTION C: ENVIRONMENTAL HEALTH
SUBSECTION 4: ENVIRONMENTAL EXPOSURES**

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

Source: Behavioral Risk Factor Surveillance System.

| | 2010 | TREND |
|------------------------------|-------------|--------------|
| WA STATE | 80% | n/a |
| KITSAP COUNTY | 78% | n/a |
| KITSAP COMPARED TO WA | same | |

KITSAP ADULTS BY SUBGROUP: 2010

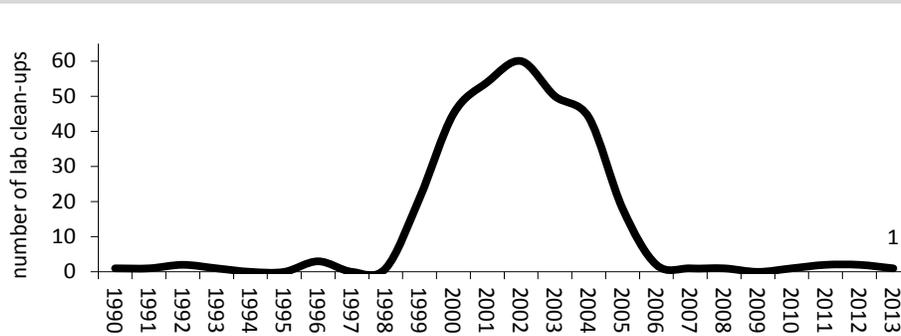


- 80% of females
- 77% of males
- 75% age 18 to 34
- 79% age 35 to 64
- 81% age 65+
- 74% with income <\$25,000
- 79% with income \$25-50,000
- 78% with income >\$50,000

C.4.4. METHAMPHETAMINE LAB CLEAN-UPS

Source: 1990-2010, WA State Department of Ecology. 2011-2013, Kitsap Public Health District.

KITSAP COUNTY



C.4.5. MUNICIPAL SOLID WASTE: POUNDS DISPOSED AND RECYCLED PER PERSON

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

| | 2002 | 2012 | TREND |
|--------------------------|-------------|-------------|--------------|
| MSW DISPOSAL RATE | 1513 | 1382 | DECREASED |
| MSW RECYCLE RATE | 846 | 1025 | INCREASED |

OVER TIME

