

**Evaluation of the Tacoma,
Washington, Alcohol Impact
Area (AIA)**

Appendix A

For a Report of

**Research Activities Undertaken in Support of an Evaluation of
the Tacoma, Washington, Alcohol Impact Area (AIA)**

For

Washington State Liquor Control Board

June 17, 2003

By

John Tarnai, Ph.D.

Social & Economic Sciences Research Center

Washington State University

<http://www.sesrc.wsu.edu>

Table of Contents

	Page
Questionnaires	
Telephone Survey of Community Residents	3
Web Survey of People Working in the AIA.....	10
Mail Survey of Retailers	17
Wine and Beer Distributor Questions.....	26
Data Tables	
Community Residents Telephone Survey	27
AIA Retailer Mail Survey	35
AIA Workers Web Survey.....	43
Statistical Data.....	50
List of Restricted Products	60

WAIA Telephone Survey of Residents

BEGIN.

Hello, my name is _____, and I'm calling from the Social and Economic Sciences Research Center at Washington State University. We have been asked to talk with residents of the Tacoma city area to find out their opinions on chronic public inebriation.

DEFINITION: a "chronic public inebriate" is a person with a severe alcohol problem who is frequently drunk in public.

BDAY. I need to talk to the adult currently living in your household who has had the most recent birthday. Would that be you or someone else?

1. Self----->SKIP TO CONFD
2. Someone else/available
3. Someone else/not available [SAY: When would be a good time to call back to talk to this person? Can I have his/her first name so that I will know whom to ask for?]

ELSE Hello, my name is _____, and I'm calling from the Social and Economic Sciences Research Center at Washington State University. We have been asked to talk with residents of the Tacoma city area to find out their opinions on chronic public inebriation.

DEFINITION: a "chronic public inebriate" is a person with a severe alcohol problem who is frequently drunk in public.

CONFD. This interview is completely voluntary and has been approved by Washington State University. The information you provide will remain both confidential and anonymous. If I come to any question that you would prefer not to answer, just let me know and I will skip over it. OK?

1. Yes
2. No--->[INTERVIEWER, READ IF NOT OK: When would be a better time to call back? May I have your name so I know whom to ask for?]

SELECTION CRITERIA

I just need to confirm the zipcode area in which you live. What is your zipcode?

_____ [CATI NOTE: 5 spaces]

- D. Don't know
- R. Refuse

- Q1. How often do you walk around the neighborhood in which you live or go shopping in your neighborhood? Would you say . . .
1. About every day
 2. A few times a week
 3. Only about once a week
 4. Less often
 - D. Not sure - Don't know
 - R. Refused
- Q2. When you are out and about in your neighborhood, do you ever notice chronic public inebriates in your neighborhood?
1. Yes
 2. No
 - D. Don't Know
 - R. Refuse
- Q3. How much of a problem is the presence of chronic public inebriates in your neighborhood, to you? Would you say . . .
1. A very big problem
 2. Somewhat of a problem
 3. Only a slight problem
 4. Or, not a problem
 - D. Not sure - Don't know
 - R. Refused
- Q4. Why do feel this way?
[CATI NOTE: Open ended - 20 lines]
-
-
- D. Don't know
R. Refuse

Last year, the Washington State Liquor Control Board placed restrictions on the sale of certain alcohol products in your neighborhood.

Q5. Did you know about these restrictions on the sale of alcohol products in your neighborhood?

- 1. Yes
- 2. No
- D. Don't Know
- R. Refuse

The next few questions are about changes in your neighborhood that you may have noticed over the past two years-.

Q6. Compared with two years ago, has the number of persons drinking alcohol in public in your neighborhood . . .

- 1. Increased
- 2. Decreased
- 3. Or, stayed about the same
- D. Not sure - Don't know
- R. Refused

Q7. Would you say that the regular chronic public inebriates in your neighborhood are now more often intoxicated, less often intoxicated, or about the same as compared with two years ago?

- 1. More often intoxicated
- 2. Less often intoxicated
- 3. Or, stayed about the same
- D. Not sure - Don't know
- R. Refused

Q8. Compared with two years ago, has the overall cleanliness of your neighborhood . . .

- 1. Increased
- 2. Decreased
- 3. Or, stayed about the same
- D. Not sure - Don't know
- R. Refused

Q9. Compared with two years ago, has the amount of trash and litter due to chronic public inebriates in your neighborhood . . .

- 1. Increased
- 2. Decreased
- 3. Or, stayed about the same
- D. Not sure - Don't know
- R. Refused

- Q10. Compared with two years ago, have you noticed a change in the kind of trash and litter associated with chronic public inebriates in your neighborhood . . .
1. Yes → What kind of changes have you noticed? _____
 2. No
 - D. Don't Know
 - R. Refuse
- Q11. Compared with two years ago, has the number of persons urinating or defecating in public places in your neighborhood . . .
1. Increased
 2. Decreased
 3. Or, stayed about the same
 - D. Not sure - Don't know
 - R. Refused
- Q12. Compared with two years ago, would you say that nowadays in your neighborhood you feel more safe, less safe, or have experienced no change in safety. . .
1. More safe
 2. Less safe
 3. Or, no change in safety
 - D. Not sure - Don't know
 - R. Refused
- Q13. Compared with two years ago, has the amount of crime in your neighborhood . . .
1. Increased
 2. Decreased
 3. Or, stayed about the same
 - D. Not sure - Don't know
 - R. Refused
- Q14. Compared with two years ago, has the number of persons panhandling in your neighborhood . . .
1. Increased
 2. Decreased
 3. Or, stayed about the same
 - D. Not sure - Don't know
 - R. Refused

Q15. Compared with two years ago, has the amount of drug activity in your neighborhood . . .

- 1. Increased
- 2. Decreased
- 3. Or, stayed about the same
- D. Not sure - Don't know
- R. Refused

Q16. Compared with two years ago, have you noticed any changes in the types of alcohol products consumed by persons drinking in public places in your neighborhood . . .

- 1. Yes → What kind of changes have you noticed? _____
- 2. No
- D. Don't Know
- R. Refuse

Q17. Compared with two years ago, have you noticed any changes in how convenience and grocery stores, and restaurants and bars in your neighborhood deal with chronic public inebriates . . .

- 1. Yes → What kind of changes have you noticed? _____
- 2. No
- D. Don't Know
- R. Refuse

Q18. Over the past two years, would you say that your neighborhood has changed . . .

- 1. For the better → Why? _____
- 2. For the worse → Why? _____
- 3. Or, stayed about the same
- D. Not sure - Don't know
- R. Refused

Q19. Compared with two years ago, would you say that the problem of chronic public inebriation in your neighborhood has . . .

- 1. Increased
- 2. Decreased
- 3. Or, stayed about the same
- D. Not sure - Don't know
- R. Refused

Q20. May I ask why you feel this way?

[CATI NOTE: Open ended - 10 lines]

Q21. Do you or anyone in your household belong to an organization such as a church, service club, or other community group that helps deal with some of the kinds of alcohol and drug abuse issues that we have mentioned?

- 1. Yes
- 2. No -----> SKIP TO Q23
- D. Don't Know ----> SKIP TO Q23
- R. Refuse --> Skip to Q23

Q22. [If yes,] what groups?

[CATI NOTE: Open ended - 10 lines]

- D. Don't know
- R. Refuse

Q23. In total how many adults over the age of 18 live in your household?

- 1. One
- 2. Two
- 3. Three
- 4. Four
- 5. Five
- 6. Six or more
- D. Don't know
- R. Refused

Q24. Are you

[INTERVIEWER: Ask, if necessary.]

- 1. Male
- 2. Female
- D Don't know
- R Refuse

Q25. What was your age on your last birthday? [INTERVIEWER: Enter the number of years.]

[CATI NOTE: 2 spaces - set mask 18 to 99]

- D. Don't know
- R. Refuse

Q26. Lastly, we have been asked by the Washington State Liquor Control Board to invite a small group of people to attend a discussion of the problem of chronic public inebriation in Tacoma. This discussion will take about one and a half hours and refreshments will be provided. All participants will also receive a check for \$35 for participating. The discussion group will be held at a downtown Tacoma location during the first or second week in May. Would you be willing to participate in this discussion group?

- 1. Yes
- 2. No
- 3. Not sure

N1. I will need your name and address so we can contact you about the exact time and day of the discussion group. Also, I'd like to confirm that your telephone number is _____

Name _____

Address_____

N2. That's my last question. Thank-you for your time and cooperation. If you have any additional comments or questions about this survey or about the problem of chronic public inebriation in your community, I can note them now.

Web Survey of People Working in the AIA

April 2003

Survey about Chronic Public Inebriation In Tacoma

Dear Tacoma Business Employee

We need your help! The Social and Economic Sciences Research Center at Washington State University is assisting the Washington State Liquor Control Board to conduct a study of chronic public inebriation in the Tacoma area. We are interested in knowing how people who work in downtown Tacoma feel about this issue.

We have designed a web survey to gather input from people who work for businesses located in the downtown Tacoma area. The main purpose of this survey is to get your perceptions and opinions about the problem of chronic public inebriation in the Tacoma area. We ask that you please take a few minutes to complete our internet (www) survey.

The questionnaire is quite brief, and has only 26 questions. Even if you feel that you have no opinions on this matter, this is important for us to know so that we can accurately estimate the percent of people with differing opinions. Please take a few minutes to fill out the questionnaire. The opinions of all people who work in the downtown Tacoma area are important to us.

The URL to access the survey is: <http://www.sesrc.wsu.edu/waia>

If you do not have access to the web, please call the SESRC at (800) 833-0867 or send an email message (sesrc@wsu.edu) to let us know and we will schedule an interviewer to contact you by telephone.

P.S. In appreciation for your participation you will have the opportunity to enter a drawing for one of two cash prizes of \$100. Your chances of winning are approximately one in 200. After you complete the internet survey, you will see instructions for how to enter this drawing.

Q1. How often do you walk around the neighborhood in which you work or go shopping in this neighborhood? Would you say . . .

- 1. About every day
- 2. A few times a week
- 3. Only about once a week
- 4. Less often
- D. Not sure - Don't know

Q2. A "chronic public inebriate" is a person with a severe alcohol problem who is frequently drunk in public. When you are out and about in the area in which you work, do you ever notice chronic public inebriates in your neighborhood?

- 1. Yes
- 2. No
- D. Don't Know

Q3. How much of a problem is the presence of chronic public inebriates in your work location neighborhood? Would you say . . .

- 1. A very big problem
- 2. Somewhat of a problem
- 3. Only a slight problem
- 4. Or, not a problem
- D. Not sure - Don't know

Q4. Why do feel this way?

- D. Don't know

Last year, the Washington State Liquor Control Board placed restrictions on the sale of certain alcohol products in the downtown Tacoma area.

Q5. Did you know about these restrictions on the sale of alcohol products in this area?

1. Yes
2. No
- D. Don't Know

The next few questions are about changes in the neighborhood in which your business is located that you may have noticed over the past two years.

Q6. Compared with two years ago, has the number of persons drinking alcohol in public in this neighborhood . . .

1. Increased
2. Decreased
3. Or, stayed about the same
- D. Not sure - Don't know

Q7. Would you say that the regular chronic public inebriates in this neighborhood are now more often intoxicated, less often intoxicated, or about the same as compared with two years ago?

1. More often intoxicated
2. Less often intoxicated
3. Or, stayed about the same
- D. Not sure - Don't know

Q8. Compared with two years ago, has the overall cleanliness of this neighborhood . . .

1. Increased
2. Decreased
3. Or, stayed about the same
- D. Not sure - Don't know

Q9. Compared with two years ago, has the amount of trash and litter due to chronic public inebriates in this neighborhood . . .

1. Increased
2. Decreased
3. Or, stayed about the same
- D. Not sure - Don't know

Q10. Compared with two years ago, have you noticed a change in the kind of trash and litter associated with chronic public inebriates in this neighborhood?

1. Yes → What kind of changes have you noticed? _____
2. No
- D. Don't Know

Q11. Compared with two years ago, has the number of persons urinating or defecating in public places in this neighborhood . . .

1. Increased
2. Decreased
3. Or, stayed about the same
- D. Not sure - Don't know

Q12. Compared with two years ago, would you say that nowadays in this neighborhood you feel more safe, less safe, or have experienced no change in safety. . .

1. More safe
2. Less safe
3. Or, no change in safety
- D. Not sure - Don't know

Q13. Compared with two years ago, has the amount of crime in this neighborhood . . .

1. Increased
2. Decreased
3. Or, stayed about the same
- D. Not sure - Don't know

Q14. Compared with two years ago, has the number of persons panhandling in this neighborhood . . .

1. Increased
2. Decreased
3. Or, stayed about the same
- D. Not sure - Don't know

Q15. Compared with two years ago, has the amount of drug activity in this neighborhood . . .

- 1. Increased
- 2. Decreased
- 3. Or, stayed about the same
- D. Not sure - Don't know

Q16. Compared with two years ago, have you noticed any changes in the types of alcohol products consumed by persons drinking in public places in this neighborhood . . .

- 1. Yes → What kind of changes have you noticed? _____
- 2. No
- D. Don't Know

Q17. Compared with two years ago, have you noticed any changes in how the convenience and grocery stores, and restaurants and bars in this neighborhood deal with chronic public inebriates?

- 1. Yes → What kind of changes have you noticed? _____
- 2. No
- D. Don't Know

Q18. Over the past two years, would you say that the neighborhood in which you work has changed . . .

- 1. For the better → Why? _____
- 2. For the worse → Why? _____
- 3. Or, stayed about the same → Why? _____
- D. Not sure - Don't know

Q19. Compared with two years ago, would you say that the problem of chronic public inebriation in this neighborhood has . . .

- 1. Increased
- 2. Decreased
- 3. Or, stayed about the same
- D. Not sure - Don't know

Q20. Why do you feel this way?

Q21. Has your business attempted to do anything to deal with the issue of chronic public inebriation or with some of the kinds of alcohol and drug abuse issues that we have mentioned, at your work location?

- 1. Yes
- 2. No -----> SKIP TO Q23
- D. Don't Know ----> SKIP TO Q23

Q22 [If yes,] what has your business done?

D. Don't know

Q23. What is the name of the business that you work at in downtown Tacoma?

Q24. Are you

- 1. Male
- 2. Female

Q25. What was your age on your last birthday? _____

[INTERVIEWER: Enter the number of years.]

Q26. What is the zipcode of your business location _____

Thank-you for your time and cooperation. If you have any additional comments or questions about this survey or about the problem of chronic public inebriation in your community, I can note them now.

The information below will be kept separate from the information entered in the survey.

Please enter your name, telephone number, and email address below to enter the drawing for \$100.

Mail Survey of AIA Retailers

April 18, 2003

«Licensee_Name»
«Trade_Name»
«LOCATION»
«location_city», «location_state» «location_zip»

The Washington State Liquor Control Board (WSLCB) is conducting a study on the problems of chronic public inebriation in downtown Tacoma. Last year, the WSLCB created an alcohol impact area (AIA) in your neighborhood, which placed certain restrictions on the sale of some alcohol products. The WSLCB has asked Washington State University to conduct an evaluation of this study.

We are surveying all businesses that sell alcohol products in your neighborhood. Your participation in this survey is voluntary, but we hope you will respond, and we really appreciate it. Your assistance in completing this questionnaire will be very helpful in deciding whether or not the AIA restrictions should be continued.

The questionnaires will be returned to and processed by Washington State University. All of the information you provide will be kept strictly confidential. No data will be disclosed that identifies an individual firm. A code number is printed on the back page; this is used to check your firm off the mailing list when it is returned.

We will also be conducting two discussion groups of about one hour in length in your neighborhood, during the first week in May. The purpose of these is to find out how retailers such as you are dealing with the issue of chronic public inebriation. We would like to invite you to participate in one of these groups. We will provide refreshments and will give you a check for \$35 for spending one hour with us to discuss these issues. If you would be willing to consider participating in such a discussion group, please put your name, and telephone number, on the backside of this letter, and return this letter to us in the enclosed small envelope.

I would be happy to answer any questions that you might have about the study or your participation. Feel free to call me at Washington State University at (800) 833-0867 or send a fax message to me at (509) 335-4688. You can also email me at sesrc@wsu.edu

Thank you for your assistance!

Sincerely,

John Tarnai
Director

Survey of Tacoma Retailers

Spring 2003



This Survey is Sponsored by the
Washington State
Liquor Control Board

Spring 2003 Survey of Tacoma Retailers

Q1. How much of a problem is the presence of chronic public inebriates in your neighborhood? A "chronic public inebriate" is a person with a severe alcohol problem who is frequently drunk in public.

- 1. A VERY BIG PROBLEM
- 2. SOMEWHAT OF A BIG PROBLEM
- 3. ONLY A SLIGHT PROBLEM
- 4. OR, NOT A PROBLEM
- 5. NOT SURE

Q2. Why do you feel this way?

Q3. Last year, the Washington State Liquor Control Board placed restrictions on the sale of certain alcohol products in your neighborhood. Did you know about these restrictions on the sale of alcohol products in your neighborhood?

- 1. YES
- 2. NO---→ SKIP TO Q5
- 3. Don't Know---→ SKIP TO Q5

Q4. How did you learn about the product restrictions imposed by the Liquor Control Board?

Q5. Did your alcohol distributor advise you on how to deal with these restrictions?

- 1. YES
- 2. NO---→ SKIP TO Q7
- 3. Don't Know---→ SKIP TO Q7

Q6. What advice did you get from your alcohol distributor?

Changes in Your Neighborhood

- Q7.** Compared with two years ago, has the number of chronic public inebriates in your neighborhood . . .
1. Increased
 2. Decreased
 3. Or, stayed about the same
 4. Not sure - Don't know
- Q8.** Would you say that the regular chronic public inebriates in your neighborhood are now more often intoxicated, less often intoxicated, or about the same as compared with two years ago?
1. More often intoxicated
 2. Less often intoxicated
 3. Or, stayed about the same
 4. Not sure - Don't know
- Q9.** Compared with two years ago, has the overall cleanliness of your neighborhood . . .
1. Increased
 2. Decreased
 3. Or, stayed about the same
 4. Not sure - Don't know
- Q10.** Compared with two years ago, has the amount of trash and litter due to chronic public inebriates in your neighborhood . . .
1. Increased
 2. Decreased
 3. Or, stayed about the same
 4. Not sure - Don't know

Q11. Compared with two years ago, have you noticed a change in the kind of trash and litter associated with chronic public inebriates in your neighborhood?

1. Yes → What changes? →
2. No
3. Don't Know

Q12. Compared with two years ago, has the number of persons urinating or defecating in public places in your neighborhood . . .

1. Increased
2. Decreased
3. Or, stayed about the same
4. Not sure - Don't know

Q13. Compared with two years ago, would you say that nowadays in your neighborhood you feel more safe, less safe, or have experienced no change in safety. . .

1. More safe
2. Less safe
3. Or, no change in safety
4. Not sure - Don't know

Q14. Compared with two years ago, has the amount of crime in your neighborhood . .

1. Increased
2. Decreased
3. Or, stayed about the same
4. Not sure - Don't know

Q15. Compared with two years ago, has the number of persons panhandling in your neighborhood . . .

1. Increased
2. Decreased
3. Or, stayed about the same
4. Not sure - Don't know

Q16. Compared with two years ago, has the amount of drug activity in your neighborhood . .

1. Increased
2. Decreased
3. Or, stayed about the same
4. Not sure - Don't know

Q17. Compared with two years ago, have you noticed any changes in the types of alcohol products consumed by persons drinking in public places in your neighborhood . . .

1. Yes → What changes? →
2. No
3. Don't Know

Q18. Compared with two years ago, have you noticed any changes in how the convenience and grocery stores, and restaurants and bars in your neighborhood deal with chronic public inebriates?

1. Yes → What changes? →
2. No
3. Don't Know

Q19. Over the past two years, would you say that your neighborhood has changed . . .

1. For the better → Why? →
2. For the worse → Why? →
3. Or, stayed about the same → Why →
4. Not sure - Don't know

Q20. Compared with two years ago, would you say that the problem of chronic public inebriation in your neighborhood has . . .

1. Increased → Why →
2. Decreased → Why →
3. Or, stayed about the same → Why →
4. Not sure - Don't know

Changes in Your Business

Q21. Compared with two years ago, how has the amount of alcohol sold at your business ...

1. Increased
2. Decreased
3. Or, stayed about the same
4. Not sure - Don't know

Q22. Compared with two years ago, how has the number of chronic public inebriates purchasing alcohol at your business ...

1. Increased
2. Decreased
3. Or, stayed about the same
4. Not sure - Don't know

Q23. Compared with two years ago, have you seen any changes in the type of alcohol sold by your business?

1. Yes → What changes? →
2. No
3. Don't Know

Q24. Compared with two years ago, have you noticed any changes in the demographic characteristics of your customers?

1. Yes → What changes? →
2. No
3. Don't Know

Q25. Compared with two years ago, have you noticed any changes in the kinds of alcohol that chronic public inebriates are buying from your store?

1. Yes → What changes? →
2. No
3. Don't Know

Q26 In your experience how likely are chronic public inebriates to purchase beer by the single can or single bottle?

1. VERY LIKELY
2. SOMEWHAT LIKELY
3. SOMEWHAT UNLIKELY
4. VERY UNLIKELY
5. NOT SURE

Q27. Were you ever approached by the City of Tacoma and asked to sign a Good Neighbor Agreement (GNA) as part of a voluntary effort to control chronic public inebriation?

1. YES
2. NO
3. Don't Know

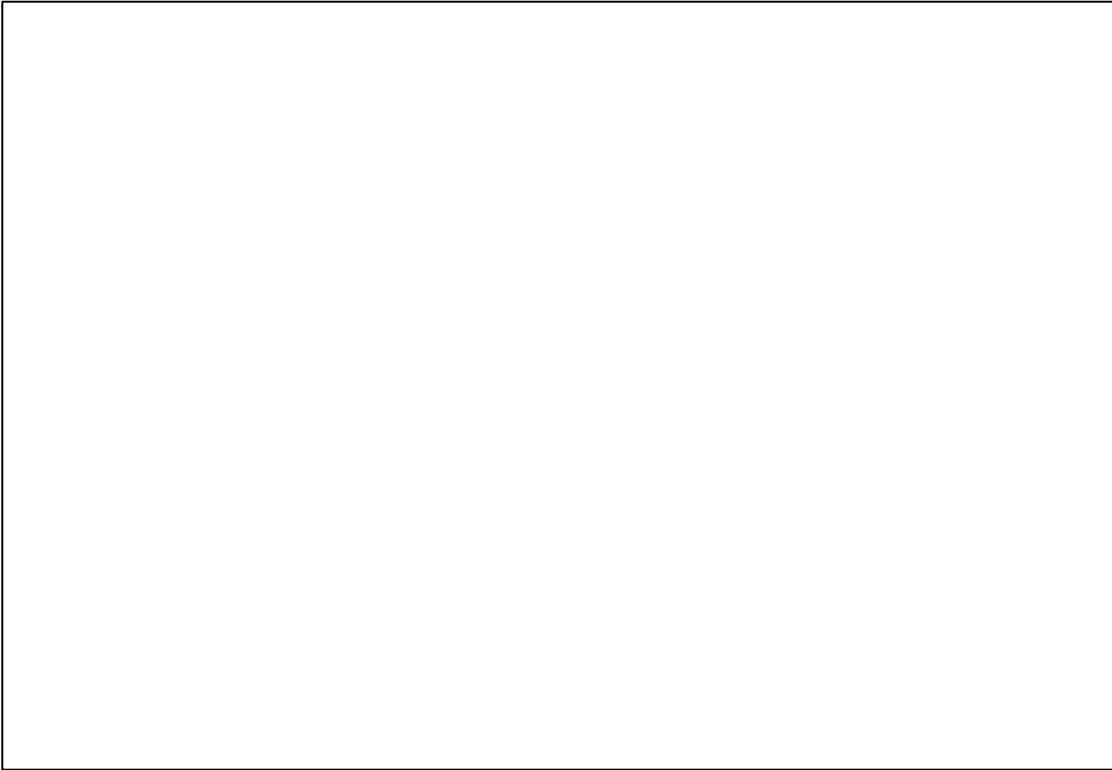
Q28. Did you sign the Good Neighborhood Agreement (GNA)?

1. YES ---> SKIP TO Q30
2. NO
3. Not Sure

Q29. What is the main reason that you did not sign the Good Neighborhood Agreement?

Q30. What business practices do you believe convenience and grocery stores, restaurants, and bars could use that might be more effective in controlling chronic public inebriation than the restrictions imposed by the Liquor Control Board?

Thank you very much for your participation in this survey of Tacoma area retailers. If you have any comments about this survey or about the issue of chronic public inebriates, please write them in the space below.



Please return your questionnaire in the enclosed envelope to:

***Social & Economic Sciences Research Center
Washington State University
PO Box 1801
Pullman, WA 99164-1801***

Beer and Wine Distributor Questions

1. How did you learn about which products were banned from sale in the Tacoma AIA?
2. How many of the banned products were you selling to the retailers inside AIA before the restriction was imposed?
3. Are retailers in AIA buying more or less alcohol products before & after AIA restriction imposed in March 2002. (More or less in terms of dollar amount of sales per month and number of products).
4. Are retailers on boundaries of AIA buying more or less alcohol products before & after AIA restriction imposed in March 2002. (More or less in terms of dollar amount of sales per month and number of products)
5. How many of the banned products were you selling to the retailers inside AIA before the restriction was imposed?
6. After restriction imposed, did you recommend other products as substitutions? If so, please identify by brand name. How are these products similar to those that were restricted? Why did you recommend these products.
7. Has your business been impacted by the AIA restriction? If yes, how? (More or less \$\$, customer relations with retailers, relations with City of Tacoma representatives). Do you have any financial data that you could share which would show this impact?
8. What contact did you have with the City of Tacoma representative(s) before the AIA designation? Were you involved in the voluntary effort? If so, how? (Did the you do any work cooperatively to try to get retailers to sign the Good Neighbor Agreement = GNA?)
9. Which restriction(s) do you believe are effective in addressing the CPI problems?

Results from the Telephone Survey of Residents

Notes:

DK = don't know

Survey respondents were categorized by zipcode as living within the AIA or on the boundaries of the AIA. There is not an exact match between telephone exchanges and geographic boundaries. Thus, some survey respondents may live outside the exact AIA geographic boundaries.

For Q2 and Q3 the difference between the two groups of respondents is significant at $p < .001$

(Q2: Pearson Chi Square 25.55, $df=2$)

(Q3: Pearson Chi Square 25.41, $df=4$)

Respondents within the AIA are more likely to notice CPIs, and to say that they are a problem, compared with respondents who live on the AIA boundaries.

Crosstab

		Residential Area		Total
		Within AIA	AIA Boundaries	
Q1. How often do you walk around the neighborhood in which you live or go shopping in your neighborhood? Would you say . . .	About every day	46 34.3%	24 33.3%	70 34.0%
	Few times week	46 34.3%	30 41.7%	76 36.9%
	Once a week	20 14.9%	10 13.9%	30 14.6%
	Less often	22 16.4%	8 11.1%	30 14.6%
Total		134 100.0%	72 100.0%	206 100.0%

Crosstab

		Residential Area		Total
		Within AIA	AIA Boundaries	
Q2. When you are out and about in your neighborhood, do you ever notice chronic public inebriates in your neighborhood?	yes	73 54.5%	13 18.1%	86 41.7%
	no	60 44.8%	58 80.6%	118 57.3%
	DK	1 .7%	1 1.4%	2 1.0%
Total		134 100.0%	72 100.0%	206 100.0%

Crosstab

		Residential Area		Total
		Within AIA	AIA Boundaries	
Q3. How much of a problem is the presence of chronic public inebriates in your neighborhood, tell you? Would you say	Very big problem	19 14.2%	3 4.2%	22 10.7%
	Somewhat of a proble	30 22.4%	3 4.2%	33 16.0%
	Slight problem	32 23.9%	14 19.4%	46 22.3%
	Not a problem	52 38.8%	52 72.2%	104 50.5%
	DK	1 .7%	0 .0%	1 .5%
Total		134 100.0%	72 100.0%	206 100.0%

For Q5 the difference between the two groups of respondents is significant at $p < .01$

(Q2: Pearson Chi Square 8.91, $df=1$)

Residents living within the AIA are much more likely to be aware of the AIA restrictions, than are those living on the boundaries.

Crosstab

		Residential Area		Total
		Within AIA	AIA Boundaries	
Q5. Did you know about the AIA restrictions on the sale of alcohol products in your neighborhood?	yes	70 52.2%	22 30.6%	92 44.7%
	no	64 47.8%	50 69.4%	114 55.3%
Total		134 100.0%	72 100.0%	206 100.0%

Crosstab

		Residential Area		Total
		Within AIA	AIA Boundaries	
Q6. Compared with two years ago, has the number of persons drinking alcohol in public in your neighborhood . . .	increased	9 6.7%	3 4.2%	12 5.8%
	decreased	30 22.4%	7 9.7%	37 18.0%
	same	74 55.2%	50 69.4%	124 60.2%
	DK	21 15.7%	12 16.7%	33 16.0%
Total		134 100.0%	72 100.0%	206 100.0%

Crosstab

		Residential Area		Total
		Within AIA	AIA Boundaries	
Q7. Would you say that the regular chronic public inebriates in your neighborhood are now . . .	more	11 8.2%	2 2.8%	13 6.3%
	less	21 15.7%	6 8.3%	27 13.1%
	same	76 56.7%	46 63.9%	122 59.2%
	DK	26 19.4%	18 25.0%	44 21.4%
Total		134 100.0%	72 100.0%	206 100.0%

For Q9 and Q10 the difference between the two groups of respondents is significant at $p < .05$

(Q9: Pearson Chi Square 7.80, $df=3$)

(Q10: Pearson Chi Square 6.59, $df=2$)

Significantly more residents within the AIA than those living on the boundaries, have seen a decrease in the amount of trash and litter due to CPI problems, and have noticed a change in the kind of trash and litter associated with CPIs.

Generally respondents report seeing fewer bottles and cans, and less trash overall than what was there several years ago.

Crosstab

		Residential Area		Total
		Within AIA	AIA Boundaries	
Q8. Compared with two years ago, has the overall cleanliness of your neighborhood . . .	increased	49 36.6%	23 31.9%	72 35.0%
	decreased	12 9.0%	5 6.9%	17 8.3%
	same	67 50.0%	43 59.7%	110 53.4%
	DK	6 4.5%	1 1.4%	7 3.4%
Total		134 100.0%	72 100.0%	206 100.0%

Crosstab

		Residential Area		Total
		Within AIA	AIA Boundaries	
Q9. Compared with two years ago, has the amount of trash and litter due to chronic public inebriates in your neighborhood . . .	increased	14 10.4%	7 9.7%	21 10.2%
	decreased	41 30.6%	10 13.9%	51 24.8%
	same	70 52.2%	47 65.3%	117 56.8%
	DK	9 6.7%	8 11.1%	17 8.3%
Total		134 100.0%	72 100.0%	206 100.0%

Crosstab

		Residential Area		Total
		Within AIA	AIA Boundaries	
Q10. Compared with two years ago, have you noticed a change in the kind of trash and litter associated with chronic public inebriates in your neighborhood?	yes	35 26.1%	8 11.1%	43 20.9%
	no	93 69.4%	59 81.9%	152 73.8%
	DK	6 4.5%	5 6.9%	11 5.3%
Total		134 100.0%	72 100.0%	206 100.0%

For Q11 and Q12 the difference between the two groups of respondents is significant at $p < .05$

(Q11: Pearson Chi Square 9.26, $df=3$)

(Q12: Pearson Chi Square 8.44, $df=3$)

A significantly greater percent of respondents within the AIA than those on the boundaries, say that compared with two years ago, the number of persons urinating or defecating in public places has decreased.

A higher percent of all residents say that compared with two years ago, they feel more safe nowadays.

Crosstab

		Residential Area		Total
		Within AIA	AIA Boundaries	
Q11. Compared with two years ago, has the number of persons urinating or defecating in public places in your neighborhood . . .	increased	9 6.7%	1 1.4%	10 4.9%
	decreased	25 18.7%	6 8.3%	31 15.0%
	same	56 41.8%	43 59.7%	99 48.1%
	DK	44 32.8%	22 30.6%	66 32.0%
Total		134 100.0%	72 100.0%	206 100.0%

Crosstab

		Residential Area		Total
		Within AIA	AIA Boundaries	
Q12. Compared with two years ago, would you say that nowadays in your neighborhood you feel more safe, less safe, or have experienced no change in safety?	more	34 25.4%	14 19.4%	48 23.3%
	less	24 17.9%	6 8.3%	30 14.6%
	no change	69 51.5%	51 70.8%	120 58.3%
	DK	7 5.2%	1 1.4%	8 3.9%
Total		134 100.0%	72 100.0%	206 100.0%

Crosstab

		Residential Area		Total
		Within AIA	AIA Boundaries	
Q13. Compared with two years ago, has the amount of crime in your neighborhood . . .	increased	26 19.4%	13 18.1%	39 18.9%
	decreased	32 23.9%	14 19.4%	46 22.3%
	same	54 40.3%	40 55.6%	94 45.6%
	DK	22 16.4%	5 6.9%	27 13.1%
Total		134 100.0%	72 100.0%	206 100.0%

For Q14, Q15 and Q16 the difference between the two groups of respondents is significant at $p < .01$

(Q14: Pearson Chi Square 12.05, $df=3$)

(Q15: Pearson Chi Square 12.29, $df=3$)

(Q16: Pearson Chi Square 9.00, $df=2$)

A significantly greater percent of AIA residents, compared with residents on the boundaries, say that the number of persons panhandling in their neighborhood has decreased.

A greater percent of AIA residents compared with those on the boundaries, say that the amount of drug activity has increased in the last two years.

Respondents living within the AIA are also more likely to report noticing changes in the types of alcohol products consumed by CPIs.

In general, they see less evidence of malt liquor use, or high alcohol content beer.

Crosstab

		Residential Area		Total
		Within AIA	AIA Boundaries	
Q14. Compared with two years ago, has the number of persons panhandling in your neighborhood . . .	increased	24 17.9%	8 11.1%	32 15.5%
	decreased	38 28.4%	8 11.1%	46 22.3%
	same	58 43.3%	46 63.9%	104 50.5%
	DK	14 10.4%	10 13.9%	24 11.7%
Total		134 100.0%	72 100.0%	206 100.0%

Crosstab

		Residential Area		Total
		Within AIA	AIA Boundaries	
Q15. Compared with two years ago, has the amount of drug activity in your neighborhood . . .	increased	33 24.6%	13 18.1%	46 22.3%
	decreased	32 23.9%	6 8.3%	38 18.4%
	same	47 35.1%	41 56.9%	88 42.7%
	DK	22 16.4%	12 16.7%	34 16.5%
Total		134 100.0%	72 100.0%	206 100.0%

Crosstab

		Residential Area		Total
		Within AIA	AIA Boundaries	
Q16. Compared with two years ago, have you noticed any changes in the types of alcohol products consumed by persons drinking in public places in your neighborhood?	yes	22 16.4%	2 2.8%	24 11.7%
	no	95 70.9%	62 86.1%	157 76.2%
	DK	17 12.7%	8 11.1%	25 12.1%
Total		134 100.0%	72 100.0%	206 100.0%

Crosstab

		Residential Area		Total
		Within AIA	AIA Boundaries	
Q17. Compared with two years ago, have you noticed any changes in how stores in your neighborhood deal with chronic public inebriates?	yes	25 18.7%	10 13.9%	35 17.0%
	no	93 69.4%	54 75.0%	147 71.4%
	DK	16 11.9%	8 11.1%	24 11.7%
Total		134 100.0%	72 100.0%	206 100.0%

Crosstab

		Residential Area		Total
		Within AIA	AIA Boundaries	
Q18. Over the past two years, would you say that your neighborhood has changed . . .	Better	60 44.8%	25 34.7%	85 41.3%
	Worse	11 8.2%	2 2.8%	13 6.3%
	Same	58 43.3%	44 61.1%	102 49.5%
	DK	5 3.7%	1 1.4%	6 2.9%
Total		134 100.0%	72 100.0%	206 100.0%

For Q19 the difference between the two groups of respondents is significant at $p < .01$

(Q19: Pearson Chi Square 11.77, $df=3$)

Respondents within the AIA are much more likely to say that compared with two years ago, the CPI problem has decreased, than say that it has increased.

Crosstab

		Residential Area		Total
		Within AIA	AIA Boundaries	
Q19. Compared with two years ago, would you say that the problem of chronic public inebriation in your neighborhood has . . .	increased	9 6.7%	3 4.2%	12 5.8%
	decreased	34 25.4%	5 6.9%	39 18.9%
	same	75 56.0%	54 75.0%	129 62.6%
	DK	16 11.9%	10 13.9%	26 12.6%
Total		134 100.0%	72 100.0%	206 100.0%

Crosstab

		Residential Area		Total
		Within AIA	AIA Boundaries	
Q21. Do you or anyone in your household belong to an organization that deals with CPI?	yes	43 32.1%	22 30.6%	65 31.6%
	no	90 67.2%	50 69.4%	140 68.0%
	DK	1 .7%	0 .0%	1 .5%
Total		134 100.0%	72 100.0%	206 100.0%

For Q23 the difference between the two groups of respondents is significant at $p < .05$

(Q23: Pearson Chi Square 11.50, $df=5$)

There are a greater percentage of single person households in the AIA than in the boundary areas.

Crosstab

		Residential Area		Total
		Within AIA	AIA Boundaries	
Q23. In total how many adults over the age of 18 live in your household?	1	57 42.5%	16 22.2%	73 35.4%
	2	58 43.3%	48 66.7%	106 51.5%
	3	9 6.7%	5 6.9%	14 6.8%
	4	6 4.5%	2 2.8%	8 3.9%
	5	3 2.2%	1 1.4%	4 1.9%
	6+	1 .7%	0 .0%	1 .5%
Total		134 100.0%	72 100.0%	206 100.0%

Crosstab

		Residential Area		Total
		Within AIA	AIA Boundaries	
Q24. Gender	Male	55 41.0%	27 37.5%	82 39.8%
	Female	79 59.0%	45 62.5%	124 60.2%
Total		134 100.0%	72 100.0%	206 100.0%

Age * Residential Area Crosstabulation

			Residential Area		Total
			Within AIA	AIA Boundaries	
Age	<=30	Count	34 26.2%	14 19.7%	48 23.9%
	31-40	Count	22 16.9%	17 23.9%	39 19.4%
	41-50	Count	28 21.5%	14 19.7%	42 20.9%
	51-60	Count	24 18.5%	10 14.1%	34 16.9%
	60+	Count	22 16.9%	16 22.5%	38 18.9%
Total		Count	130 100.0%	71 100.0%	201 100.0%

**Results from the
Mail Survey of
AIA Retailers**

Notes:

DK = don't know

Missing 9 = survey question was not answered.

Valid Percent does not include missing values; thus it is the same as "Percent", unless there are missing values.

Q1. How much of a problem

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	very big problem	1	5.0	5.3	5.3
	somewhat of a big problem	1	5.0	5.3	10.5
	only a slight problem	11	55.0	57.9	68.4
	not a problem	5	25.0	26.3	94.7
	not sure	1	5.0	5.3	100.0
	Total	19	95.0	100.0	
Missing	9	1	5.0		
Total		20	100.0		

Q3. Last year, the Washington State Liquor Control Board placed restrictions on the sale of certain alcohol products in your neighborhood. Did you know about these restrictions on the sale of alcohol products in your neighborhood?

All survey respondents said "yes" to this question.

Q5. Alcohol Distributor advised

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	yes	9	45.0	50.0	50.0
	no	9	45.0	50.0	100.0
	Total	18	90.0	100.0	
Missing	9	2	10.0		
Total		20	100.0		

Q7. Change in number of CPI

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	increased	1	5.0	5.3	5.3
	decreased	5	25.0	26.3	31.6
	stayed same	11	55.0	57.9	89.5
	DK	2	10.0	10.5	100.0
	Total	19	95.0	100.0	
Missing	9	1	5.0		
Total		20	100.0		

Q8. Change in level of intoxication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	less often intoxicated	5	25.0	26.3	26.3
	stayed same	12	60.0	63.2	89.5
	DK	2	10.0	10.5	100.0
	Total	19	95.0	100.0	
Missing	9	1	5.0		
Total		20	100.0		

Q9. Change in neighborhood cleanliness

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	increased	6	30.0	31.6	31.6
	stayed same	12	60.0	63.2	94.7
	DK	1	5.0	5.3	100.0
	Total	19	95.0	100.0	
Missing	9	1	5.0		
Total		20	100.0		

Q10. Change in amount of trash and litter

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	increased	1	5.0	5.3	5.3
	decreased	6	30.0	31.6	36.8
	stayed same	10	50.0	52.6	89.5
	DK	2	10.0	10.5	100.0
	Total	19	95.0	100.0	
Missing	9	1	5.0		
Total		20	100.0		

Q11. Change in kind of trash and litter

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	yes	5	25.0	33.3	33.3
	no	8	40.0	53.3	86.7
	DK	2	10.0	13.3	100.0
	Total	15	75.0	100.0	
Missing	9	5	25.0		
Total		20	100.0		

Q12. Change in number of persons urinating

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	increased	1	5.0	5.6	5.6
	decreased	4	20.0	22.2	27.8
	stayed same	10	50.0	55.6	83.3
	DK	3	15.0	16.7	100.0
	Total	18	90.0	100.0	
Missing	9	2	10.0		
Total		20	100.0		

Q13. Change in feelings of safety

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	more safe	1	5.0	5.3	5.3
	less safe	2	10.0	10.5	15.8
	no change	14	70.0	73.7	89.5
	DK	2	10.0	10.5	100.0
	Total	19	95.0	100.0	
Missing	9	1	5.0		
Total		20	100.0		

Q14. Change in amount of crime

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	increased	5	25.0	26.3	26.3
	decreased	1	5.0	5.3	31.6
	stayed same	8	40.0	42.1	73.7
	DK	5	25.0	26.3	100.0
	Total	19	95.0	100.0	
Missing	9	1	5.0		
Total		20	100.0		

Q15. Change in number of panhandlers

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	increased	2	10.0	11.1	11.1
	decreased	3	15.0	16.7	27.8
	stayed same	11	55.0	61.1	88.9
	DK	2	10.0	11.1	100.0
	Total	18	90.0	100.0	
Missing	9	2	10.0		
Total		20	100.0		

Q16. Change in amount of drug activity

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	increased	3	15.0	15.8	15.8
	decreased	4	20.0	21.1	36.8
	stayed same	7	35.0	36.8	73.7
	DK	5	25.0	26.3	100.0
	Total	19	95.0	100.0	
Missing	9	1	5.0		
Total		20	100.0		

Q17. Change in types of alcohol consumed

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	yes	3	15.0	16.7	16.7
	no	11	55.0	61.1	77.8
	DK	4	20.0	22.2	100.0
	Total	18	90.0	100.0	
Missing	9	2	10.0		
Total		20	100.0		

Q18. Change in how stores deal with CPI

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	yes	4	20.0	21.1	21.1
	no	12	60.0	63.2	84.2
	DK	3	15.0	15.8	100.0
	Total	19	95.0	100.0	
Missing	9	1	5.0		
Total		20	100.0		

Q19. How has neighborhood changed

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	better	3	15.0	16.7	16.7
	worse	5	25.0	27.8	44.4
	stayed same	6	30.0	33.3	77.8
	DK	4	20.0	22.2	100.0
	Total	18	90.0	100.0	
Missing	9	2	10.0		
Total		20	100.0		

Q20. How has CPI problem changed

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	decreased	4	20.0	21.1	21.1
	stayed same	12	60.0	63.2	84.2
	DK	3	15.0	15.8	100.0
	Total	19	95.0	100.0	
Missing	9	1	5.0		
Total		20	100.0		

Q21. Change in amount of alcohol sold

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	increased	1	5.0	5.3	5.3
	decreased	11	55.0	57.9	63.2
	stayed same	6	30.0	31.6	94.7
	DK	1	5.0	5.3	100.0
	Total	19	95.0	100.0	
Missing	9	1	5.0		
Total		20	100.0		

Q22. Change in number of CPI buying alcohol

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	increased	1	5.0	5.3	5.3
	decreased	10	50.0	52.6	57.9
	stayed same	5	25.0	26.3	84.2
	DK	3	15.0	15.8	100.0
	Total	19	95.0	100.0	
Missing	9	1	5.0		
Total		20	100.0		

Q23. Change in type of alcohol sold

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	yes	8	40.0	44.4	44.4
	no	8	40.0	44.4	88.9
	DK	2	10.0	11.1	100.0
	Total	18	90.0	100.0	
Missing	9	2	10.0		
Total		20	100.0		

Q24. Change in customer demographics

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	yes	1	5.0	5.6	5.6
	no	15	75.0	83.3	88.9
	DK	2	10.0	11.1	100.0
	Total	18	90.0	100.0	
Missing	9	2	10.0		
Total		20	100.0		

Q25. Change in kinds of alcohol CPI buying

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	yes	6	30.0	37.5	37.5
	no	8	40.0	50.0	87.5
	DK	2	10.0	12.5	100.0
	Total	16	80.0	100.0	
Missing	9	4	20.0		
Total		20	100.0		

Q26. Likelihood that CPI buy single can/bottle

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	very likely	11	55.0	57.9	57.9
	somewhat unlikely	5	25.0	26.3	84.2
	very unlikely	1	5.0	5.3	89.5
	DK	2	10.0	10.5	100.0
	Total	19	95.0	100.0	
Missing	9	1	5.0		
Total		20	100.0		

Q27. Ever approached to sign GNA

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	yes	12	60.0	63.2	63.2
	no	5	25.0	26.3	89.5
	DK	2	10.0	10.5	100.0
	Total	19	95.0	100.0	
Missing	9	1	5.0		
Total		20	100.0		

Q28. Signed GNA

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	yes	6	30.0	31.6	31.6
	no	9	45.0	47.4	78.9
	DK	4	20.0	21.1	100.0
	Total	19	95.0	100.0	
Missing	9	1	5.0		
Total		20	100.0		

Results for the Web Survey of Workers

Notes:

DK = don't know

Missing System = survey question was not answered.

Valid Percent does not include missing values; thus it is the same as "Percent", unless there are missing values.

Q1. Frequency of Walking

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	about every day	58	43.6	43.6	43.6
	few times week	34	25.6	25.6	69.2
	once a week	11	8.3	8.3	77.4
	less often	27	20.3	20.3	97.7
	DK	3	2.3	2.3	100.0
	Total	133	100.0	100.0	

Q2. Every Notice CPI

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	yes	108	81.2	81.2	81.2
	no	19	14.3	14.3	95.5
	DK	6	4.5	4.5	100.0
	Total	133	100.0	100.0	

Q3. How much of a problem is CPI

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	very big problem	47	35.3	35.6	35.6
	somewhat of a problem	48	36.1	36.4	72.0
	slight problem	23	17.3	17.4	89.4
	not a problem	5	3.8	3.8	93.2
	DK	9	6.8	6.8	100.0
	Total	132	99.2	100.0	
Missing System		1	.8		
Total		133	100.0		

Q5. Knew about AIA Restrictions

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	yes	93	69.9	69.9	69.9
	no	40	30.1	30.1	100.0
	Total	133	100.0	100.0	

Q6. Change in Number of CPI

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	increased	26	19.5	19.5	19.5
	decreased	34	25.6	25.6	45.1
	stayed same	39	29.3	29.3	74.4
	DK	34	25.6	25.6	100.0
	Total	133	100.0	100.0	

Q7. Change in CPI intoxication

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	more intoxicated	14	10.5	10.5	10.5
	less intoxicated	18	13.5	13.5	24.1
	stayed same	57	42.9	42.9	66.9
	DK	44	33.1	33.1	100.0
	Total	133	100.0	100.0	

Q8. Change in neighborhood cleanliness

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	increased	49	36.8	36.8	36.8
	decreased	31	23.3	23.3	60.2
	stayed same	43	32.3	32.3	92.5
	DK	10	7.5	7.5	100.0
	Total	133	100.0	100.0	

Q9. Change in amount of trash and litter

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	increased	38	28.6	28.6	28.6
	decreased	33	24.8	24.8	53.4
	stayed same	39	29.3	29.3	82.7
	DK	23	17.3	17.3	100.0
	Total	133	100.0	100.0	

Q10. Change in kind of trash and litter

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	yes	39	29.3	29.5	29.5
	no	46	34.6	34.8	64.4
	DK	47	35.3	35.6	100.0
	Total	132	99.2	100.0	
Missing	System	1	.8		
Total		133	100.0		

Q11. Change in number of CPI urinating

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	increased	36	27.1	27.1	27.1
	decreased	22	16.5	16.5	43.6
	stayed same	29	21.8	21.8	65.4
	DK	46	34.6	34.6	100.0
	Total	133	100.0	100.0	

Q12. Change in feelings of safety

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	more safe	22	16.5	16.7	16.7
	less safe	38	28.6	28.8	45.5
	no change	62	46.6	47.0	92.4
	DK	10	7.5	7.6	100.0
	Total	132	99.2	100.0	
Missing	System	1	.8		
Total		133	100.0		

Q13. Change in amount of crime

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	increased	26	19.5	19.5	19.5
	decreased	15	11.3	11.3	30.8
	stayed same	32	24.1	24.1	54.9
	DK	60	45.1	45.1	100.0
	Total	133	100.0	100.0	

Q14. Change in number of panhandlers

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	increased	40	30.1	30.3	30.3
	decreased	23	17.3	17.4	47.7
	stayed same	42	31.6	31.8	79.5
	DK	27	20.3	20.5	100.0
	Total	132	99.2	100.0	
Missing	System	1	.8		
Total		133	100.0		

Q15. Change in amount of drug activity

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	increased	58	43.6	43.6	43.6
	decreased	13	9.8	9.8	53.4
	stayed same	16	12.0	12.0	65.4
	DK	46	34.6	34.6	100.0
	Total	133	100.0	100.0	

Q16. Change in type of alcohol consumed

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	yes	10	7.5	7.5	7.5
	no	45	33.8	33.8	41.4
	DK	78	58.6	58.6	100.0
	Total	133	100.0	100.0	

Q17. Change in how stores deal with CPI

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	yes	11	8.3	8.3	8.3
	no	54	40.6	40.6	48.9
	DK	68	51.1	51.1	100.0
	Total	133	100.0	100.0	

Q18. Change in neighborhood

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	better	38	28.6	29.0	29.0
	worse	39	29.3	29.8	58.8
	stayed same	44	33.1	33.6	92.4
	DK	10	7.5	7.6	100.0
	Total	131	98.5	100.0	
Missing	System	2	1.5		
Total		133	100.0		

Q19. Change in CPI problem

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	increased	26	19.5	19.5	19.5
	decreased	24	18.0	18.0	37.6
	stayed same	48	36.1	36.1	73.7
	DK	35	26.3	26.3	100.0
	Total	133	100.0	100.0	

Q21. Does business deal with CPI

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	yes	57	42.9	43.2	43.2
	no	29	21.8	22.0	65.2
	DK	46	34.6	34.8	100.0
	Total	132	99.2	100.0	
Missing	System	1	.8		
Total		133	100.0		

Gender

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	male	34	25.6	25.8	25.8
	female	98	73.7	74.2	100.0
	Total	132	99.2	100.0	
Missing	System	1	.8		
Total		133	100.0		

Age

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	<31	28	21.1	22.0	22.0
	31-40	26	19.5	20.5	42.5
	41-50	35	26.3	27.6	70.1
	51-60	29	21.8	22.8	92.9
	61+	9	6.8	7.1	100.0
	Total	127	95.5	100.0	
Missing	System	6	4.5		
Total		133	100.0		

Zipcode of Business

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	98401	2	1.5	1.5	1.5
	98402	115	86.5	87.8	89.3
	98403	2	1.5	1.5	90.8
	98405	9	6.8	6.9	97.7
	98421	1	.8	.8	98.5
	98422	1	.8	.8	99.2
	98444	1	.8	.8	100.0
	Total	131	98.5	100.0	
Missing	System	2	1.5		
Total		133	100.0		

Statistical Data

Detox Admissions

Police Service Calls

Alcohol Related EMS Calls

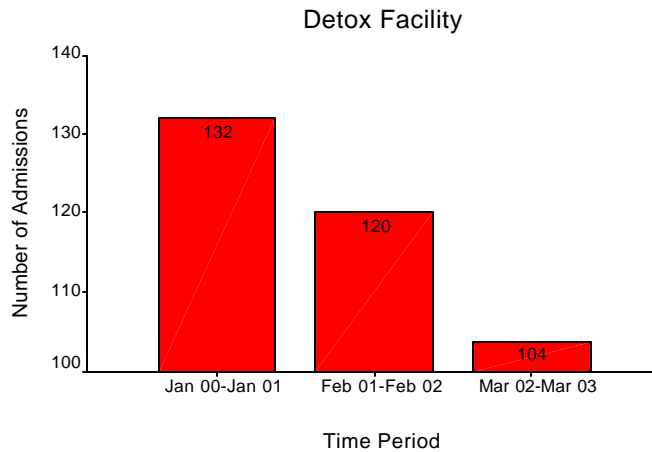
Tacoma AIA

Detox Admissions

Year	Month	#
2000	Jan	116
2000	Feb	123
2000	Mar	144
2000	Apr	138
2000	May	144
2000	Jun	136
2000	Jul	133
2000	Aug	139
2000	Sep	130
2000	Oct	136
2000	Nov	128
2000	Dec	118
2001	Jan	132
2001	Feb	124
2001	Mar	118
2001	Apr	125
2001	May	138
2001	Jun	122
2001	Jul	116
2001	Aug	139
2001	Sep	117
2001	Oct	117
2001	Nov	108
2001	Dec	113
2002	Jan	113
2002	Feb	112
2002	Mar	110
2002	Apr	123
2002	May	98
2002	Jun	96
2002	Jul	92
2002	Aug	92
2002	Sep	109
2002	Oct	101
2002	Nov	94
2002	Dec	98
2003	Jan	111
2003	Feb	116
2003	Mar	106

The average monthly number of admissions to the Tacoma detox facility declined significantly from 132 cases per month prior to AIA implementation, to only 104 cases per month after AIA implementation (from March 2002 through February 2003). The difference is statistically significant ($t=7.76$ at $p < .001$).

**Average Monthly Number of Admissions
Metropolitan Development Council**



EMS Data

	A	B
AIA	1036	667
Non-AIA	1198	1380
City Total	2234	2047

Time Periods

A=2/1/2001-2/28/2002

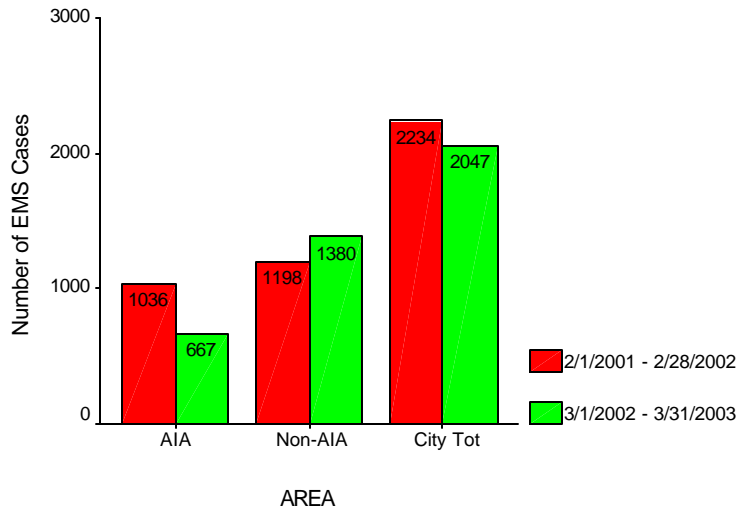
B=3/1/2002-3/31/2003

The number of EMS cases have declined by 35% within the AIA, in contrast to a 15% increase in the non-AIA parts of Tacoma.

The Tacoma Fire Department provided information on the number of report of alcohol related EMS incidents in the AIA area, in the non-AIA areas, and in the total citywide area. The data compares the number of EMS incidents in two time periods: February 1, 2001 through February 28, 2002 and March 1, 2002 through March 31, 2003.

Number of EMS Cases

Tacoma AIA, Non-AIA, and City Total



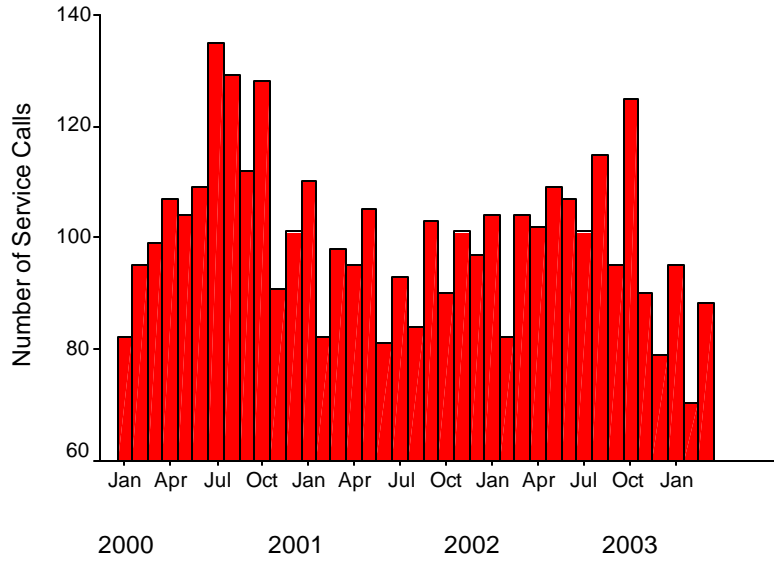
**Police Service Calls
Tacoma AIA**

Theft

Year	Month	#
2000	Jan	82
2000	Feb	95
2000	Mar	99
2000	Apr	107
2000	May	104
2000	Jun	109
2000	Jul	135
2000	Aug	129
2000	Sep	112
2000	Oct	128
2000	Nov	91
2000	Dec	101
2001	Jan	110
2001	Feb	82
2001	Mar	98
2001	Apr	95
2001	May	105
2001	Jun	81
2001	Jul	93
2001	Aug	84
2001	Sep	103
2001	Oct	90
2001	Nov	101
2001	Dec	97
2002	Jan	104
2002	Feb	82
2002	Mar	104
2002	Apr	102
2002	May	109
2002	Jun	107
2002	Jul	101
2002	Aug	115
2002	Sep	95
2002	Oct	125
2002	Nov	90
2002	Dec	79
2003	Jan	95
2003	Feb	70
2003	Mar	88

Police Service Calls - Tacoma AIA

Theft



Theft

Time Period	N	Mean	Std. Deviation	Std. Error Mean
Pre-AIA	26	100.65	14.372	2.819
AIA	13	98.46	14.734	4.087

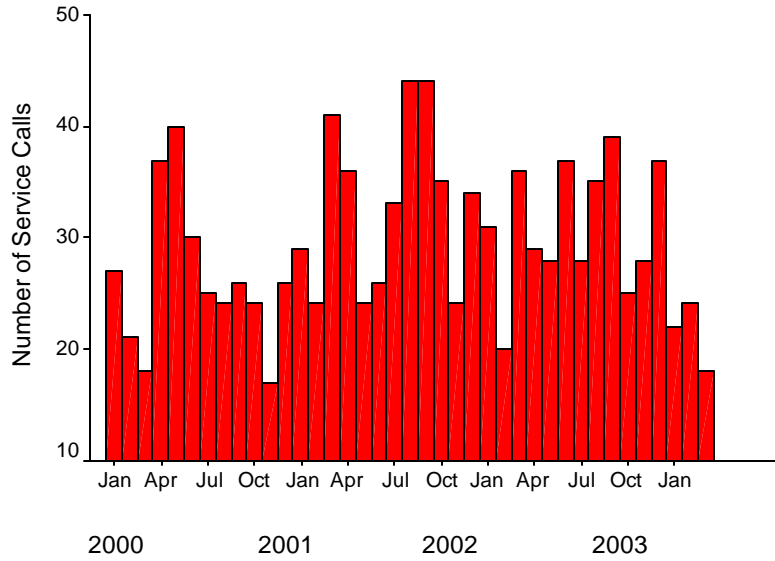
**Police Service Calls
Tacoma AIA**

Drunk Driver

Year	Month	#
2000	Jan	27
2000	Feb	21
2000	Mar	18
2000	Apr	37
2000	May	40
2000	Jun	30
2000	Jul	25
2000	Aug	24
2000	Sep	26
2000	Oct	24
2000	Nov	17
2000	Dec	26
2001	Jan	29
2001	Feb	24
2001	Mar	41
2001	Apr	36
2001	May	24
2001	Jun	26
2001	Jul	33
2001	Aug	44
2001	Sep	44
2001	Oct	35
2001	Nov	24
2001	Dec	34
2002	Jan	31
2002	Feb	20
2002	Mar	36
2002	Apr	29
2002	May	28
2002	Jun	37
2002	Jul	28
2002	Aug	35
2002	Sep	39
2002	Oct	25
2002	Nov	28
2002	Dec	37
2003	Jan	22
2003	Feb	24
2003	Mar	18

Police Service Calls - Tacoma AIA

Drunk Driving



Drunk Driver

Time Period	N	Mean	Std. Deviation	Std. Error Mean
Pre-AIA	26	29.23	7.722	1.514
AIA	13	29.69	6.588	1.827

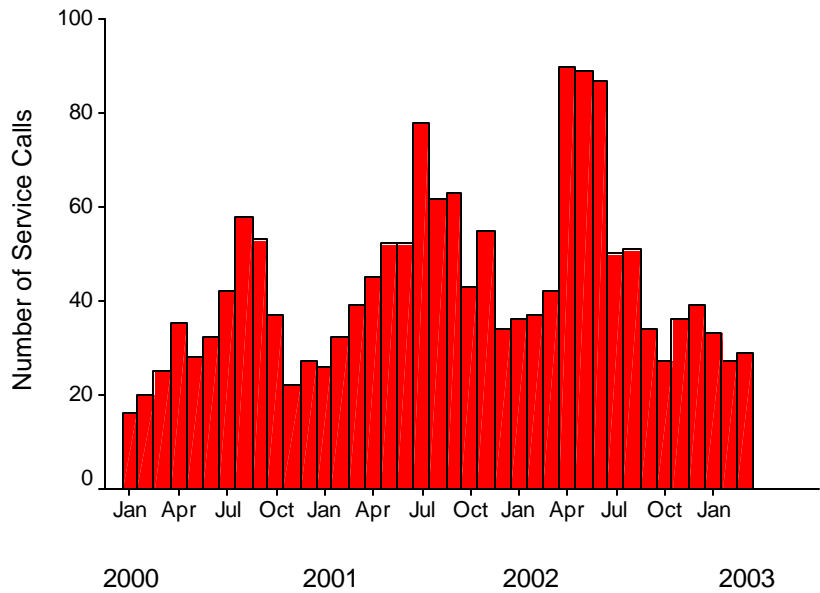
**Police Service Calls
Tacoma AIA**

Drunk in Public

Year	Month	#
2000	Jan	16
2000	Feb	20
2000	Mar	25
2000	Apr	35
2000	May	28
2000	Jun	32
2000	Jul	42
2000	Aug	58
2000	Sep	53
2000	Oct	37
2000	Nov	22
2000	Dec	27
2001	Jan	26
2001	Feb	32
2001	Mar	39
2001	Apr	45
2001	May	52
2001	Jun	52
2001	Jul	78
2001	Aug	62
2001	Sep	63
2001	Oct	43
2001	Nov	55
2001	Dec	34
2002	Jan	36
2002	Feb	37
2002	Mar	42
2002	Apr	90
2002	May	89
2002	Jun	87
2002	Jul	50
2002	Aug	51
2002	Sep	34
2002	Oct	27
2002	Nov	36
2002	Dec	39
2003	Jan	33
2003	Feb	27
2003	Mar	29

Police Service Calls - Tacoma AIA

Drunk in Public



Drunk in Public

Time Period	N	Mean	Std. Deviation	Std. Error Mean
Pre-AIA	26	40.35	15.174	2.976
AIA	13	48.77	23.973	6.649

**Police Service Calls
"Drunk in Public"**

	A	B	C
AIA	421	628	634
Non-AIA	243	297	448
City Total	664	925	1082

Time Periods

A=1/1/2000-1/31/2001

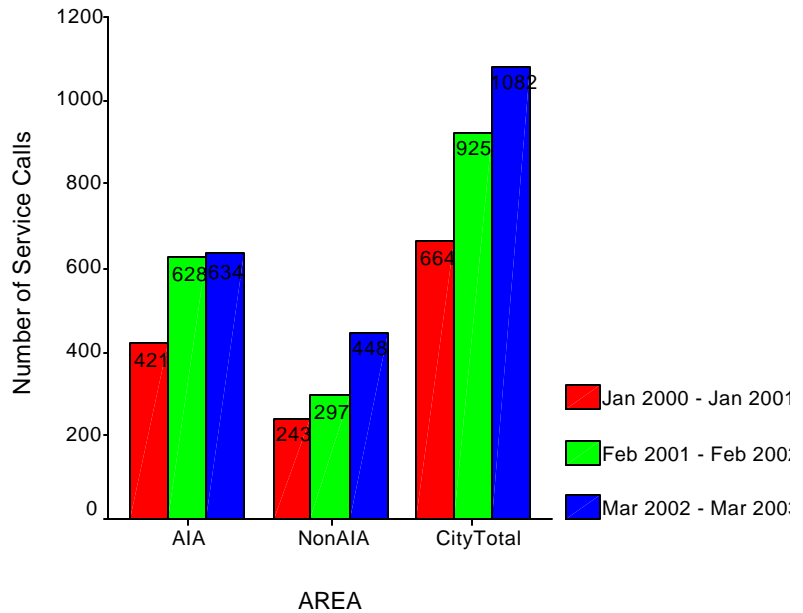
B=2/1/2001-2/28/2002

C=3/1/2002-3/31/2003

Prior to AIA = change
from 1/1/2000 -
1/31/2001 to
2/1/2001 -
2/28/2001

After AIA = change
from 2/1/2001 -
2/28/2001 to
3/1/2002 -
3/31/2003

Police Service Calls for "Drunk in Public"



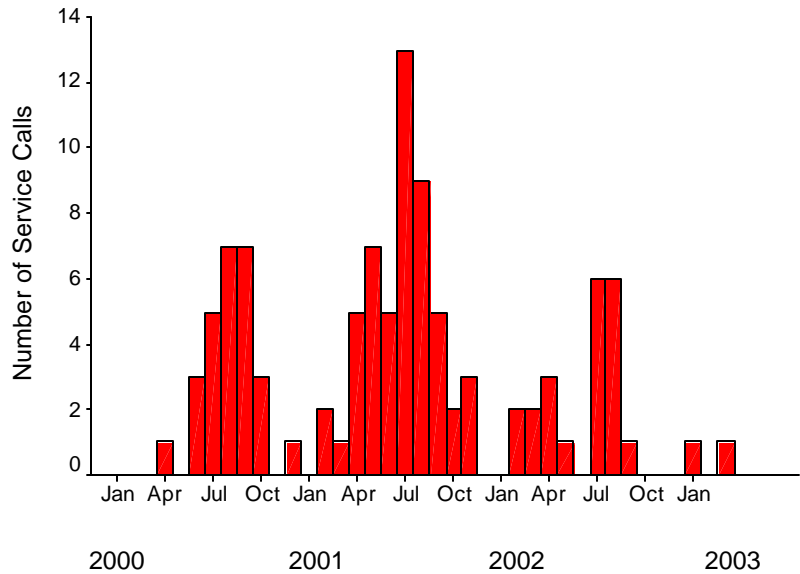
**Police Service Calls
Tacoma AIA**

Liquor in Park

Year	Month	#
2000	Jan	0
2000	Feb	0
2000	Mar	0
2000	Apr	1
2000	May	0
2000	Jun	3
2000	Jul	5
2000	Aug	7
2000	Sep	7
2000	Oct	3
2000	Nov	0
2000	Dec	1
2001	Jan	0
2001	Feb	2
2001	Mar	1
2001	Apr	5
2001	May	7
2001	Jun	5
2001	Jul	13
2001	Aug	9
2001	Sep	5
2001	Oct	2
2001	Nov	3
2001	Dec	0
2002	Jan	0
2002	Feb	2
2002	Mar	2
2002	Apr	3
2002	May	1
2002	Jun	0
2002	Jul	6
2002	Aug	6
2002	Sep	1
2002	Oct	0
2002	Nov	0
2002	Dec	0
2003	Jan	1
2003	Feb	0
2003	Mar	1

Police Service Calls - Tacoma AIA

Liquor in Park



The monthly number of police service calls for “Liquor in Park” varies by season as might be expected. The winter months have relatively few such calls, in comparison to the summer months. The average monthly number of such service calls for the pre-AIA period (Jan 2000 through Feb 2002) is almost double what it is for the AIA period (Mar 2002 through Mar 2003), as shown in the table below. However, the difference is not statistically significant.

Liquor in Park

Time Period	N	Mean	Std. Deviation	Std. Error Mean
Pre-AIA	26	3.12	3.386	.664
AIA	13	1.62	2.142	.594

**Police Service Calls
"Liquor in Park"**

	A	B	C
AIA	27	54	21
Non-AIA	23	21	17
City Total	50	75	38

Time Periods

A=1/1/2000-1/31/2001

B=2/1/2001-2/28/2002

C=3/1/2002-3/31/2003

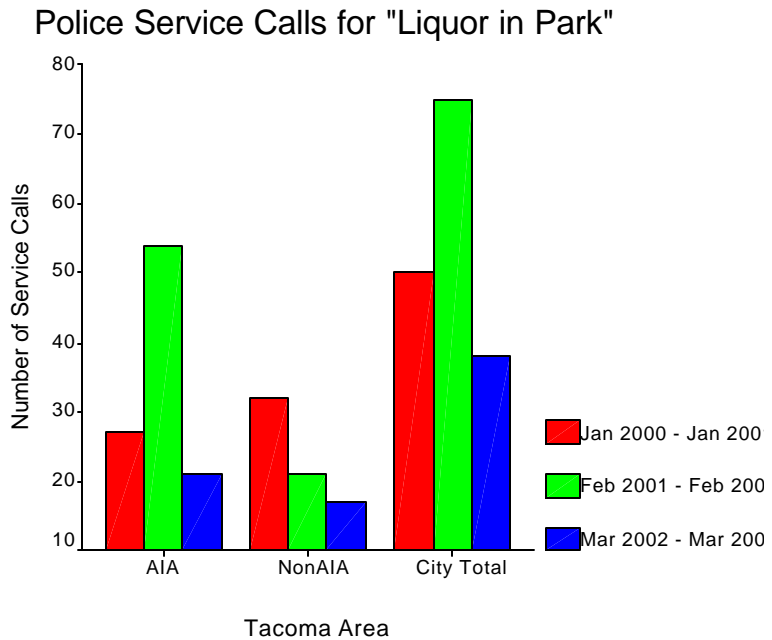
Prior to AIA = change
from 1/1/2000 -
1/31/2001 to
2/1/2001 -
2/28/2001

After AIA = change
from 2/1/2001 -
2/28/2001 to
3/1/2002 -
3/31/2003

If, however, we compare only the 13-month period prior to AIA implementation with the 13-month AIA period, the difference is greater, and is statistically significant with a t-test ($t=2.105$, $p<=.05$).

Liquor in Park

Time Period	N	Mean	Std. Deviation	Std. Error Mean
Pre-AIA	13	4.15	3.783	1.049
AIA	13	1.62	2.142	.594



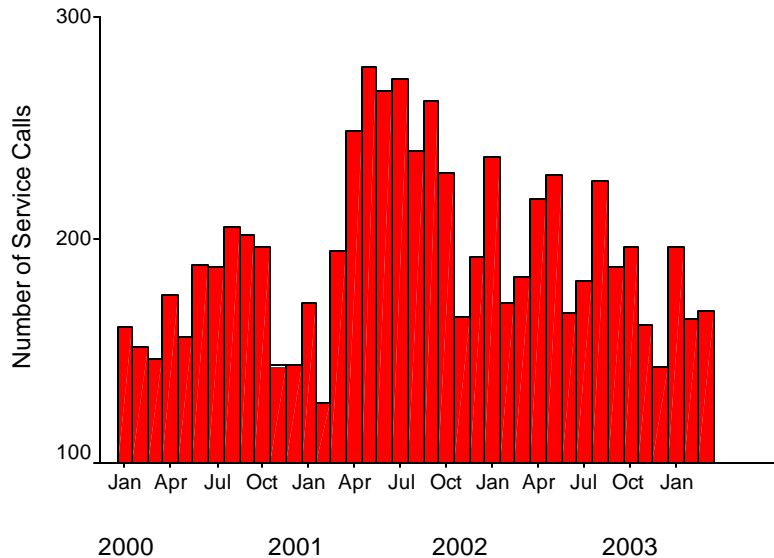
**Police Service Calls
Tacoma AIA**

Narcotics

Year	Month	#
2000	Jan	161
2000	Feb	152
2000	Mar	147
2000	Apr	175
2000	May	156
2000	Jun	189
2000	Jul	187
2000	Aug	206
2000	Sep	202
2000	Oct	197
2000	Nov	143
2000	Dec	144
2001	Jan	171
2001	Feb	126
2001	Mar	195
2001	Apr	249
2001	May	278
2001	Jun	267
2001	Jul	272
2001	Aug	240
2001	Sep	263
2001	Oct	230
2001	Nov	165
2001	Dec	192
2002	Jan	237
2002	Feb	171
2002	Mar	183
2002	Apr	219
2002	May	229
2002	Jun	167
2002	Jul	181
2002	Aug	226
2002	Sep	187
2002	Oct	197
2002	Nov	162
2002	Dec	142
2003	Jan	197
2003	Feb	164
2003	Mar	168

Police Service Calls - Tacoma AIA

Narcotics



The monthly number of police service calls for “Narcotics” is substantial. The average monthly number of such service calls for the pre-AIA period (Jan 2000 through Feb 2002) is almost 197 calls per month. This compares with an average of 186 calls per month for the AIA period (Mar 2002 through Mar 2003), as shown in the table below. However, the difference is not statistically significant.

Narcotics

Time Period	N	Mean	Std. Deviation	Std. Error Mean
Pre-AIA	26	196.73	44.770	8.780
AIA	13	186.31	26.606	7.379

Again, if we compare only the 13-month period prior to AIA implementation with the 13-month AIA period, the difference is greater, and is statistically significant with a t-test ($t=2.35$, $p<=.05$).

Narcotics

Time Period	N	Mean	Std. Deviation	Std. Error Mean
Pre-AIA	13	221.92	47.766	13.248
AIA	13	186.31	26.606	7.379

Beer and Wine Products Restricted from Off-Premises Sale in Tacoma Alcohol Impact Area (AIA) as of March 1, 2002

(All container sizes, flavors, and alcohol contents are restricted.)

Wine

Boone's*
Boone's Farm ('American Original)*
Cisco
Gino's Premium Blend
MD 20/20
Night Train Express
Richard's Wild Irish Rose
Thunderbird

***New Products added
January 15, 2003**

Beer

Bull Ice
Busch Ice
Colt 45 Ice
Colt 45 Malt Liquor
Hamm's Ice Brewed Ale
Hamm's Ice Brewed Beer
Hurricane Ice Malt Liquor
Keystone Ice
King Cobra Malt Liquor
Lucky Ice Ale Premium
Lucky Ice Beer
Magnum Malt Liquor
Mickey's Iced Brewed Ale
Mickey's Malt Liquor*
Miller High Life Ice
Milwaukee Best Ice
Milwaukee Best Premium Ice Beer
Natural Ice*
Old Milwaukee Ice
Olde English 800
Olympia Ice
Pabst Ice
Rainier Ale
Red Bull Malt Liquor
Red Dog*
Schmidt's Ice
Sparks*
Special 800 Reserve
St. Ide's Liquor and Special Brews
Steel Reserve