

Statewide Summary of Breath Alcohol Data For Year 2006

The following report summarizes the breath alcohol data obtained from BAC Datamaster breath test instruments in association with DUI arrests performed during the year 2006. Only breath alcohol results of 0.01 g/210L or greater are included in this summary. This summary should be considered an approximation since the accuracy, in several respects, depends on the reliability of the data entered and the successful collection by the host computer.

The following table shows the average breath alcohol concentration for each age group

Mean Breath Alcohol Concentration by Age Group

alc1

Age Group	Mean	N	Std. Deviation
13 to 19	.09889	2568	.051654
20 to 29	.13465	13150	.048817
30 to 39	.14547	6280	.052005
40 to 49	.14977	5154	.058421
50 to 59	.15002	2438	.057889
60 to 69	.14374	647	.053389
70 and Over	.13520	185	.054102
Total	.13785	30422	.054032

The following table shows the percent of male and female found within each age category

Age By Gender Crosstabulation

		Gender		Total
		Female	Male	
Age	13 to 19	615	2242	2857
		21.5%	78.5%	100.0%
	20 to 29	3167	12376	15543
		20.4%	79.6%	100.0%
	30 to 39	1774	6364	8138
		21.8%	78.2%	100.0%
	40 to 49	1656	5353	7009
		23.6%	76.4%	100.0%
	50 to 59	652	2591	3243
		20.1%	79.9%	100.0%
	60 to 69	150	667	817
		18.4%	81.6%	100.0%
	70 and Over	50	215	265
		18.9%	81.1%	100.0%
Total		8064	29808	37872
		21.3%	78.7%	100.0%

The following table shows the mean breath alcohol concentrations for males and females:

Mean Breath Alcohol By Gender

alc1

Gender	Mean	N	Std. Deviation
Female	.13980	6563	.055009
Male	.13731	23888	.053773
Total	.13785	30451	.054051

The following table shows the distribution of those arrested for DUI by race:

Frequency By Racial Group

	Frequency	Percent	Valid Percent	Cumulative Percent
Asian	1033	2.7	2.7	2.7
Black	1932	5.1	5.1	7.9
East Indian	25	.1	.1	7.9
Hispanic	2427	6.4	6.4	14.4
Native American	1080	2.9	2.9	17.2
Pacific Island	64	.2	.2	17.4
Unknown	423	1.1	1.1	18.5
White	30734	81.5	81.5	100.0
Total	37718	100.0	100.0	

The following table shows the mean alcohol concentrations by racial category:

Mean Breath Alcohol By Racial Group

alc1

Racial Group	Mean	N	Std. Deviation
Asian	.12211	828	.047317
Black	.12914	1479	.053071
East Indian	.13135	23	.046703
Hispanic	.13857	2014	.049732
Native American	.15727	785	.055767
Pacific Island	.12813	56	.051994
Unknown	.13687	327	.052513
White	.13828	24788	.054425
Total	.13787	30300	.054068

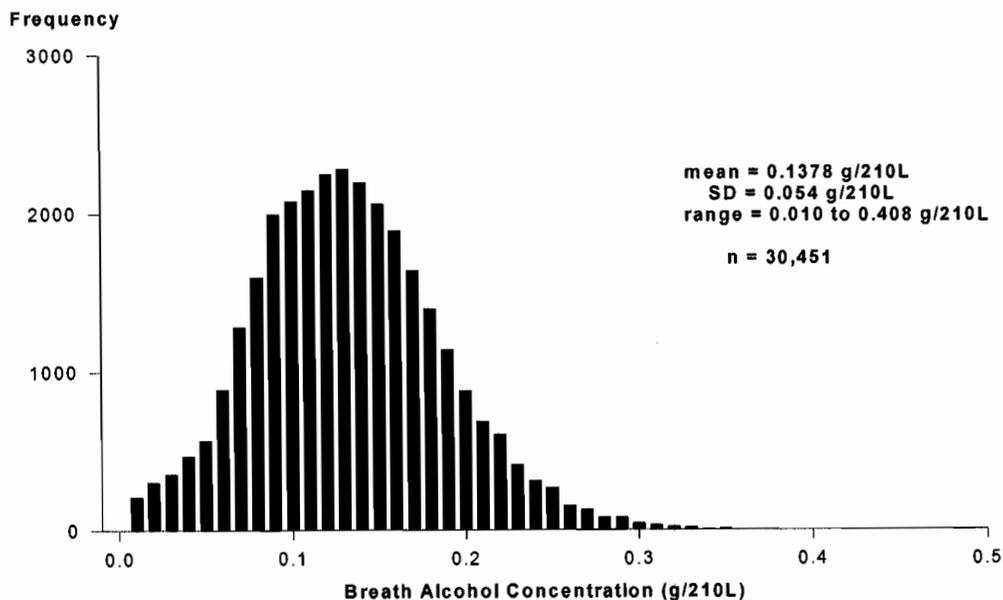
The following table shows the distribution of gender according to the different racial groups:

Race by Gender Crosstabulation

		Gender		Total
		Female	Male	
Race	Asian	221	812	1033
		21.4%	78.6%	100.0%
	Black	300	1632	1932
		15.5%	84.5%	100.0%
	East Indian	11	14	25
		44.0%	56.0%	100.0%
	Hispanic	129	2298	2427
		5.3%	94.7%	100.0%
	Native American	368	712	1080
		34.1%	65.9%	100.0%
	Pacific Island	11	53	64
		17.2%	82.8%	100.0%
	Uknown	42	381	423
		9.9%	90.1%	100.0%
	White	6956	23778	30734
		22.6%	77.4%	100.0%
Total		8038	29680	37718
		21.3%	78.7%	100.0%

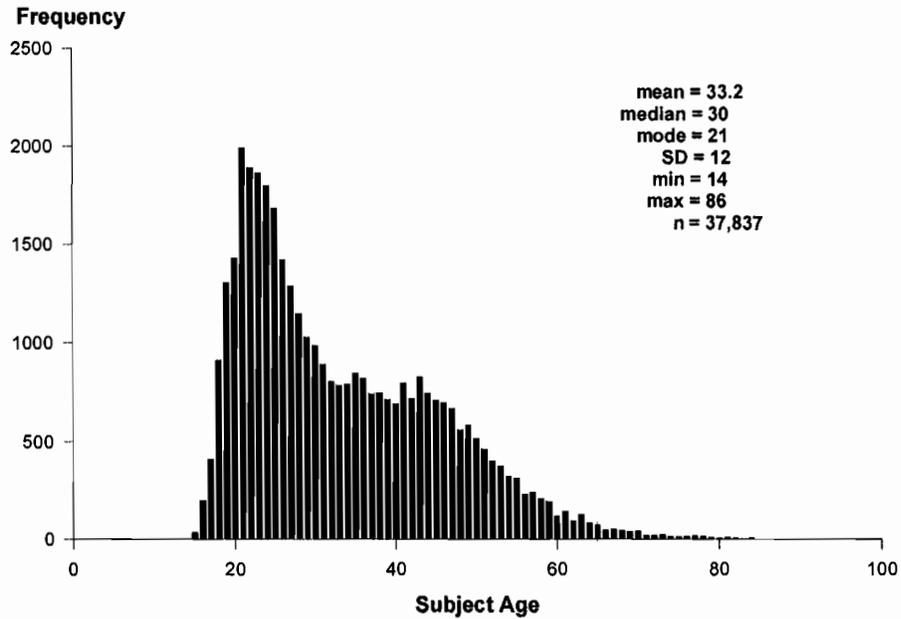
The following is the distribution of all breath alcohol results for all subjects arrested for DUI during 2006 who provided a breath sample. 87% of the subjects were 0.080 g/210L or greater.

**Distribution of Breath Alcohol Concentration For The First Sample
Statewide Data 2006**

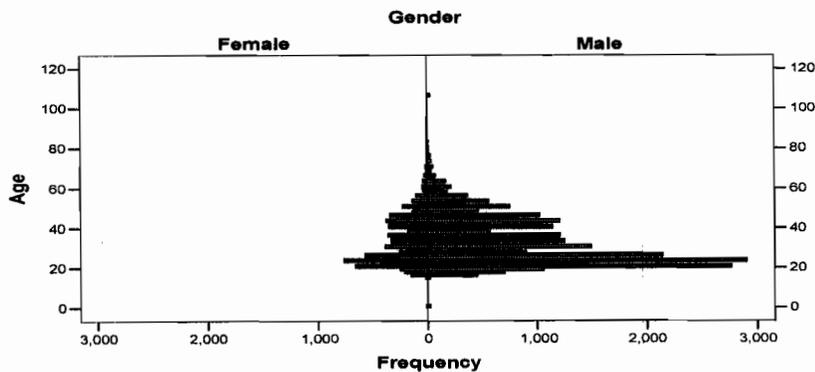


The following plot shows the distribution of subject age for statewide DUI arrests during 2006:

Distribution of Age for Subjects Arrested For DUI Statewide During 2006



The following shows a population pyramid which compares the age distribution for females and males side by side. From this the two distributions can be better compared. We see for the males there are more subjects at the higher ages than for females. Also, there appears to be a larger proportion of males in the 20 to 30 year age group compared to the females. The large majority of males compared to females are clearly seen in comparing the two figures.



The following table shows the mean alcohol concentration for subjects arrested by the Washington State Patrol (WSP) compared to other agencies:

Mean Breath Alcohol By Agency

alc1

Agency	Mean	N	Std. Deviation
WSP	.12984	14914	.050296
Seattle PD	.14688	962	.052749
King County SO	.14601	874	.054556
Spokane PD	.16724	351	.051882
Tacoma PD	.15564	231	.061544
Other Agencies	.14464	13119	.056634
Total	.13785	30451	.054051

The following table shows the refusal rates by gender:

Gender by Test Refusal Rates

		Test Refusal Status		Total
		Refused Test	Provided Sample	
Gender	Female	1243 15.4%	6827 84.6%	8070 100.0%
	Male	5422 18.2%	24421 81.8%	29843 100.0%
Total		6665 17.6%	31248 82.4%	37913 100.0%

The following table shows the refusal rate for WSP compared to Other Agencies:

Agency By Refusal Rate

		Test Refusal Status		Total
		Refused Test	Provided Sample	
Agency	WSP	2612 14.7%	15179 85.3%	17791 100.0%
	Seattle PD	219 17.8%	1008 82.2%	1227 100.0%
	King County SO	238 21.0%	897 79.0%	1135 100.0%
	Spokane PD	155 30.5%	354 69.5%	509 100.0%
	Tacoma PD	93 27.5%	245 72.5%	338 100.0%
	Other Agencies	3348 19.8%	13565 80.2%	16913 100.0%
	Total	6665 17.6%	31248 82.4%	37913 100.0%

The following table shows refusal rates by racial group:

Refusal Rates by Racial Group

		Test Refusal Status		Total
		Refused Test	Provided Sample	
Race	Asian	166 16.1%	867 83.9%	1033 100.0%
	Black	402 20.8%	1530 79.2%	1932 100.0%
	East Indian	2 8.0%	23 92.0%	25 100.0%
	Hispanic	364 15.0%	2063 85.0%	2427 100.0%
	Native American	268 24.8%	812 75.2%	1080 100.0%
	Pacific Island	8 12.5%	56 87.5%	64 100.0%
	Unknown	82 19.4%	341 80.6%	423 100.0%
	White	5335 17.4%	25399 82.6%	30734 100.0%
	Total	6627 17.6%	31091 82.4%	37718 100.0%

The following table illustrates the breath test refusal rates by age group.

Refusal Rate by Age Group

		Test Refusal Status		Total
		Refused Test	Provided Sample	
Age Group	13 to 19	242 8.5%	2615 91.5%	2857 100.0%
	20 to 29	2126 13.7%	13417 86.3%	15543 100.0%
	30 to 39	1684 20.7%	6454 79.3%	8138 100.0%
	40 to 49	1689 24.1%	5320 75.9%	7009 100.0%
	50 to 59	719 22.2%	2524 77.8%	3243 100.0%
	60 to 69	135 16.5%	682 83.5%	817 100.0%
	70 and Over	61 23.0%	204 77.0%	265 100.0%
	Total	6656 17.6%	31216 82.4%	37872 100.0%

The following table illustrates the breath test refusal rates by each of the Washington State Patrol Districts:

Breath Test Refusal Rates by WSP District

District	Test Refusal Status		Total
	Refused Test	Provided Sample	
1.00	302 14.2%	1818 85.8%	2120 100.0%
2.00	518 16.4%	2649 83.6%	3167 100.0%
3.00	225 15.2%	1260 84.8%	1485 100.0%
4.00	241 12.1%	1746 87.9%	1987 100.0%
5.00	289 14.2%	1750 85.8%	2039 100.0%
6.00	142 13.1%	938 86.9%	1080 100.0%
7.00	513 14.0%	3155 86.0%	3668 100.0%
8.00	368 17.5%	1731 82.5%	2099 100.0%
Total	2598 14.7%	15047 85.3%	17645 100.0%

The following table illustrates the mean breath alcohol concentration obtained in Washington State Patrol DUI arrests by District:

Mean Breath Alcohol Concentration by WSP District

alc1

District	Mean	N	Std. Deviation
1.00	.13356	1792	.050507
2.00	.12609	2610	.046759
3.00	.12957	1231	.050914
4.00	.12773	1712	.049560
5.00	.12830	1727	.049568
6.00	.12767	918	.055946
7.00	.13106	3112	.050248
8.00	.13473	1682	.052558
Total	.12986	14784	.050296

The following table illustrates the number and percent of Washington State Patrol DUI arrests coming from accident investigations within each District:

Percent of DUI Arrests Coming From Accidents By District

		Accident		Total
		No Accident	Accident	
District 1.00		1624	496	2120
		76.6%	23.4%	100.0%
2.00		2645	522	3167
		83.5%	16.5%	100.0%
3.00		1354	131	1485
		91.2%	8.8%	100.0%
4.00		1803	184	1987
		90.7%	9.3%	100.0%
5.00		1775	264	2039
		87.1%	12.9%	100.0%
6.00		998	82	1080
		92.4%	7.6%	100.0%
7.00		3274	394	3668
		89.3%	10.7%	100.0%
8.00		1814	285	2099
		86.4%	13.6%	100.0%
Total		15287	2358	17645
		86.6%	13.4%	100.0%

The following table illustrates the number and percent of DUI arrests coming from accident investigations for different agencies within the state:

Percent of DUI Arrests Coming From Accidents For Different Agencies

		Accident Status		Total
		No Accident	Accident	
Agency WSP		15421	2370	17791
		86.7%	13.3%	100.0%
Seattle PD		798	429	1227
		65.0%	35.0%	100.0%
King County SO		834	301	1135
		73.5%	26.5%	100.0%
Spokane PD		332	177	509
		65.2%	34.8%	100.0%
Tacoma PD		198	140	338
		58.6%	41.4%	100.0%
Other Agencies		13845	3068	16913
		81.9%	18.1%	100.0%
Total		31428	6485	37913
		82.9%	17.1%	100.0%

Summarizing Figures:

2.7% of the first breath sample attempts results in "Invalid Sample"

40 (0.1%) of the first breath sample attempts resulted in "Interference Detected"

21.4% of the DUI arrests statewide were done in King County for 2006.

78% of the tests performed in 2006 had a generic code entered for the Liquor Board License Number. As a result, 22% had an actual Liquor Board License Number entered as the place where the subject was last drinking.

54% of the subjects were administered PBT tests.

99.4% of the duplicate breath tests agreed within the required $\pm 10\%$ of the mean.

The following shows the top twenty-four liquor licensed establishments identified most frequently in the breath test database during 2006:

Rank	License number	License Number	DUI Contacts
1	Romeo Bar & Grill (B&G) Bremerton	351235	95
2	Pint & Quarters Ale House Lacey	071452	55
3	Tulalip Casion Marysville	085216	55
4	Wayne's Inn Puyallup	357372	54
5	Lady Luck Cowboy Up Steakhouse Tacoma	357687	53
6	Frankie's Sports B& G Olympla	074156	52
7	Mukelshoot Indian Casino Auburn	079098	51
8	Max Dale's Mt Vernon	350801	47
9	Suquamish Clearwater Casino Suquamish	079392	41
10	7 Cedars Casino Sequim	078675	37
11	Bottoms Up B&G Spokane	354516	36
12	Shotze's Everett	077604	35
13	McCabes American usic Caf�� Everett	351825	35
14	Club Zoo B&G Vancouver	364096	35
15	Safeco Field Seattle	356942	34
16	Trick Shot Dixie Outlaw Saloon Spokane	351438	33
17	The Royal Inn Bellingham	353649	33
18	Horse & Cow B&G Bremerton	353730	33
19	Sports Page B&G Kennewick	355927	32
20	Captains' Corner III Aberdeen	354993	31
21	Porky's Longview	362579	31
22	Nisqually Red Wind Casino Yelm	080305	29
23	Paradise Restaurant & Lounge Chehalis	076052	28
24	Emerald Queen Casino Fife	366407	28