



Random-Blind Breath Testing Research Program at HWS

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Late Night BAC distributions

(Samples collected Spring '03, Fall '03, Spring '04, and Fall '04)

BAC measurements have been collected as students return to residence halls between 11pm and 3am every night of the week. Data set reported here contains BAC measurements taken 15 minutes or more after drinking cessation to minimize breath alcohol measurement errors caused by alcohol residue in the mouth or incomplete alcohol absorption into the blood.

Sample Description:

1. Gender

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	male	579	52.4	53.0	53.0
	female	513	46.4	47.0	100.0
	Total	1092	98.8	100.0	
Missing	System	13	1.2		
Total		1105	100.0		

5. Class Rank

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	483	43.7	44.4	44.4
	2	301	27.2	27.6	72.0
	3	172	15.6	15.8	87.8
	4	133	12.0	12.2	100.0
	Total	1089	98.6	100.0	
Missing	999	3	.3		
	System	13	1.2		
	Total	16	1.4		
Total		1105	100.0		

School Night/Weekend Night

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	School Night	625	56.6	56.6	56.6
	Weekend Night	480	43.4	43.4	100.0
	Total	1105	100.0	100.0	

Overall BAC distribution for all subjects:

Measured Blood Alcohol Concentration

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	630	57.0	57.0	57.0
	.01 - .05	177	16.0	16.0	73.0
	.06 - .07	78	7.1	7.1	80.2
	.08 - .09	75	6.8	6.8	87.0
	>= .10	145	13.1	13.1	100.0
	Total	1105	100.0	100.0	

Overall BAC Distribution by Gender:

Male Measured Blood Alcohol Concentration(a)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	299	51.7	51.7	51.7
	.01 - .05	103	17.8	17.8	69.4
	.06 - .07	37	6.4	6.4	75.8
	.08 - .09	46	7.9	7.9	83.7
	>= .10	94	16.3	16.3	100.0
	Total	579	100.0	100.0	

a 1. Gender = male

Female Measured Blood Alcohol Concentration(a)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	318	62.0	62.0	62.0
	.01 - .05	74	14.4	14.4	76.5
	.06 - .07	41	8.1	8.1	84.6
	.08 - .09	29	5.7	5.7	90.3
	>= .10	50	9.7	9.7	100.0
	Total	513	100.0	100.0	

a 1. Gender = female

BAC on school nights (Sun – Thurs):

Measured Blood Alcohol Concentration(a)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	463	74.0	74.0	74.0
	.01 - .05	82	13.1	13.1	87.2
	.06 - .07	17	2.7	2.7	89.9
	.08 - .09	11	1.8	1.8	91.6
	>= .10	52	8.4	8.4	100.0
	Total	625	100.0	100.0	

a School Night/Weekend Night = School Night

BAC on Weekend nights (Fri – Sat):

Measured Blood Alcohol Concentration(a)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	160	33.3	33.3	33.3
	.01 - .05	100	20.9	20.9	54.1
	.06 - .07	62	12.9	12.9	67.0
	.08 - .09	63	13.2	13.2	80.2
	>= .10	95	19.8	19.8	100.0
	Total	480	100.0	100.0	

a School Night/Weekend Night = Weekend Night