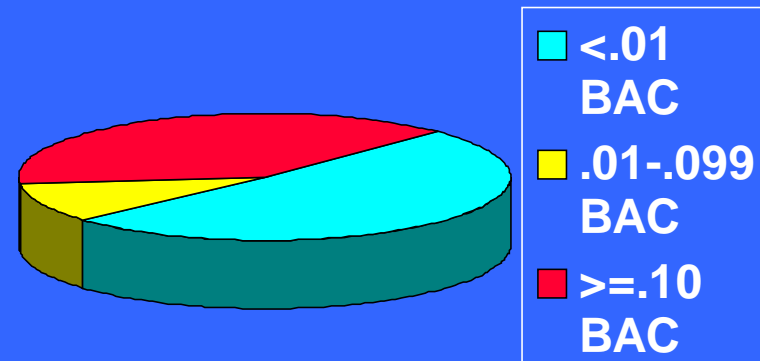


Alcohol and Traffic Fatalities

- Traffic Crashes are leading cause of death for <40 yo
- 22,413 were killed in alcohol related crashes (49% of fatalities) in 1989
- 1989 Years of Potential Life Lost
 - men 470,000
 - women 139,960
- Modeling Predicts 47% reduction in traffic fatalities with elimination of alcohol from roadways



Estimation of BAC

Calculation of BAC for inexperienced drinkers-- The American Happy Hour Experience

		DC	WP
	Weight lb	210	187
	Frac H ₂ O	0.58	0.58
Drinks	Time (hr)	BAC	BAC
1	0.25	0.017	0.020
2	0.5	0.035	0.040
3	0.75	0.052	0.060

In experiment, subjects drink 1.5oz shots of 80proof vodka on 15min intervals, measuring BAC 15min after each dose of alcohol.

Ref: National Highway traffic Safety Administration

Alcohol and Driving and Drinking in the Workplace

discussion questions

- Describe the patterns of youth drinking and the relationship to youth crash involvement (193-195)
- How effective is enforcement and increased penalties; Education, Treatment and Rehabilitation; and Public Information and Education? (195-199)
- Describe a model for peer intervention that might reduce youth drinking and driving. (183-190)
- Describe the incidence and relative risk of abuse among health care workers (pp285-290)

Model for Intervention

Figure 1
A Conceptual Model of Drunk Driving Intervention

