

Blood Alcohol Concentration by Body Weight

Approximate Percent of Alcohol Concentration in Blood*

Weight (lbs.)

100	0.038	0.075	0.113	0.150	0.188	0.225	0.263	0.300	0.338	0.375
120	0.031	0.063	0.094	0.125	0.156	0.188	0.219	0.250	0.281	0.313
140	0.027	0.054	0.080	0.107	0.134	0.161	0.188	0.214	0.241	0.268
150	0.025	0.051	0.075	0.101	0.126	0.151	0.176	0.201	0.226	0.251
160	0.023	0.047	0.070	0.094	0.117	0.141	0.164	0.188	0.211	0.234
180	0.021	0.042	0.063	0.083	0.104	0.125	0.146	0.167	0.188	0.208
200	0.019	0.038	0.056	0.075	0.094	0.113	0.131	0.150	0.169	0.188
220	0.017	0.034	0.051	0.068	0.085	0.102	0.119	0.136	0.153	0.170
240	0.016	0.031	0.047	0.063	0.078	0.094	0.109	0.125	0.141	0.156

Total Number of Drinks**

1	2	3	4	5	6	7	8	9	10
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*If these drinks were not taken within one hour, deduct one drink from the total number of drinks for each hour that elapsed between the first and last drink.

** A drink is defined as one ounce of 100 proof "hard liquor" (whiskey, vodka, gin, etc.) or twelve ounces of 4% beer or three ounces of fortified wine.

PHARMACOLOGICAL EFFECTS OF ALCOHOL

Somestheto-Psychic Area

Affected by 0.10-0.30% Alcohol

Dulled or distorted sensibilities

Psychomotor Area

Affected by 0.10-0.20% Alcohol

Apraxia, Agraphia, Ataxia (Tremors, Slurred Speech, Loss of Skill)

Visuo-Psychic Area

Affected by 0.20-0.30% Alcohol

Disturbance of: Color Perception, Dimensions, Diplopia, Form, Motion, Distance

Cerebellum

Affected by 0.15%-0.35% Alcohol

Disturbance of Equilibrium

Frontal Lobe

Affected by 0.01-0.10% Alcohol

Removal of inhibitions, loss of self control, weakness of will power, development of euphoria, increased confidence, generosity, altered judgement, increased good fellowship, loquaciousness, dulling of attention

Diencephalon

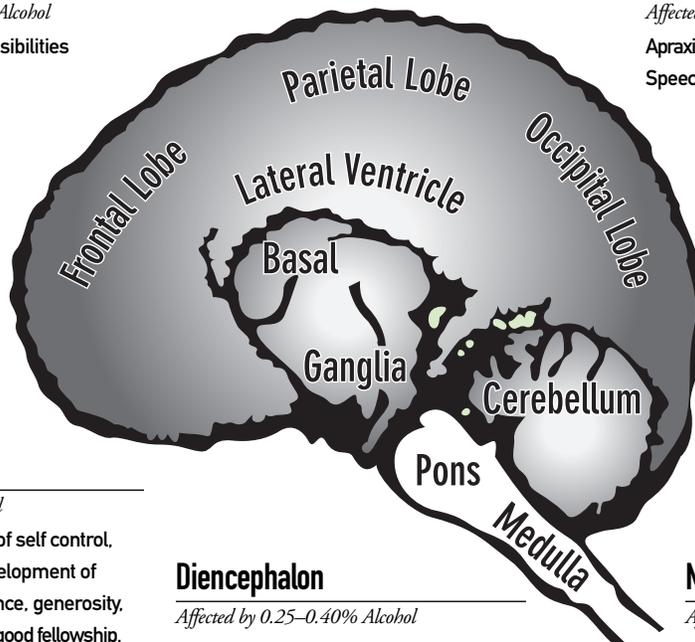
Affected by 0.25-0.40% Alcohol

Apathy, Inertia, Tremors, Cessation of Automatic Movements, Sweating, Dilation of Surface Capillaries, Stupor, Coma

Medulla

Affected by 0.40-0.50% Alcohol

Depression of Respiration, Peripheral Collapse, Subnormal Temperature, Death



"The action of alcohol on the brain is from first to last, like that of a narcotic drug."

ALCOHOL EFFECTS ON THE BRAIN

Demonstrated Pictorially

Blood Alcohol Concentration

