



Wisconsin Department of Transportation

Tommy G. Thompson
Governor

Ronald R. Fiedler, PE
Secretary

DIVISION OF STATE PATROL
4802 Sheboygan Avenue
P.O. Box 7912
Madison, WI 53707-7912

ALCOHOL CHART FOR MALES

Body Weight	Number of Drinks											
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>
100 lb.	.038	.075	.113	.150	.188	.225	.263	.300	.338	.375	.413	.450
110 lb.	.034	.066	.103	.137	.172	.207	.241	.275	.309	.344	.379	.412
120 lb.	.031	.063	.094	.125	.156	.188	.219	.250	.281	.313	.344	.375
130 lb.	.029	.058	.087	.116	.145	.174	.203	.232	.261	.290	.320	.348
140 lb.	.027	.054	.080	.107	.134	.161	.188	.214	.241	.268	.295	.321
150 lb.	.025	.050	.075	.100	.125	.151	.176	.201	.226	.251	.276	.301
160 lb.	.023	.047	.070	.094	.117	.141	.164	.188	.211	.234	.258	.281
170 lb.	.022	.045	.066	.088	.110	.132	.155	.178	.200	.221	.244	.265
180 lb.	.021	.042	.063	.083	.104	.125	.146	.167	.188	.208	.229	.250
190 lb.	.020	.040	.059	.079	.099	.119	.138	.158	.179	.198	.217	.237
200 lb.	.019	.038	.056	.075	.094	.113	.131	.150	.169	.188	.206	.225
210 lb.	.018	.036	.053	.071	.090	.107	.125	.143	.161	.179	.197	.215
220 lb.	.017	.034	.051	.068	.085	.102	.119	.136	.153	.170	.188	.205
230 lb.	.016	.032	.049	.065	.081	.098	.115	.130	.147	.163	.180	.196
240 lb.	.016	.031	.047	.063	.078	.094	.109	.125	.141	.156	.172	.188

The above chart can be used to estimate an individual's alcohol concentration at a given time. To do this one must:

1. Count the number of drinks consumed (1 drink = 1 ounce of 100 proof liquor = 1 12-ounce bottle of beer).
2. Use the chart to determine the maximum effect for the number of drinks and body weight.
3. Subtract from this number the amount of alcohol eliminated since the time of the first drink, using the average of .015% per hour.

Example: 180 lb. man - 8 drinks in 4 hours
.167% minus $(.015 \times 4) = .10\%$

IMPORTANT!!

These calculations should only be used as a general guideline for estimating blood or breath alcohol levels. The predicted alcohol levels may not be valid for a given set of circumstances. Under these circumstances, a qualified expert should be consulted

NOTE: The best method to determine the alcohol concentration in an individual is by a chemical test of their breath, blood or urine.