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Factors Influencing the use and Abuse of Drugs by Commercial

Factors Influencing the use and Abuse of Drugs by Commercial Drivers: A Case of Commercial Drivers in Ghana

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Abstract- Introduction: Significant number of road accidents can be attributed to drug use and drunk driving globally. The increase in the number of road traffic accidents in a report by the Ghana National Road Safety Commission, calls for a review of drunk driving in the country. The study was conducted to determine the types and use of drugs by drivers in Ghana. This will determine the social and cultural factors that influence drug driving.

Methodology: We developed and introduced a self administered questionnaire using a sample of 300 questionnaires. These were administered and carefully edited to ensure some level of consistency, clarity and reliability in the information gathered. Purposive sampling approach was used in the selection of commercial bus stations and cargo

alcohol and marijuana while driving. A study that was conducted by [3] to determine the use of alcohol and marijuana in Pakistan commercial drivers. A sample of bus and truck drivers were interviewed at the largest commercial vehicle terminals.

Statistically, different patterns of usage are seen between population subgroups based on age, ethnicity, education, and marital status [4]. This study is to compare whether

[21] reported that 7 percent of fatally injured truck drivers had used metham-phetamines, when compared to 13 percent who had used cannabis or alcohol. However, some studies reported very high percentages of commercial drivers who use amphetamines. Methamphetamine use among commercial drivers is of great concern in respect of road traffic safety.

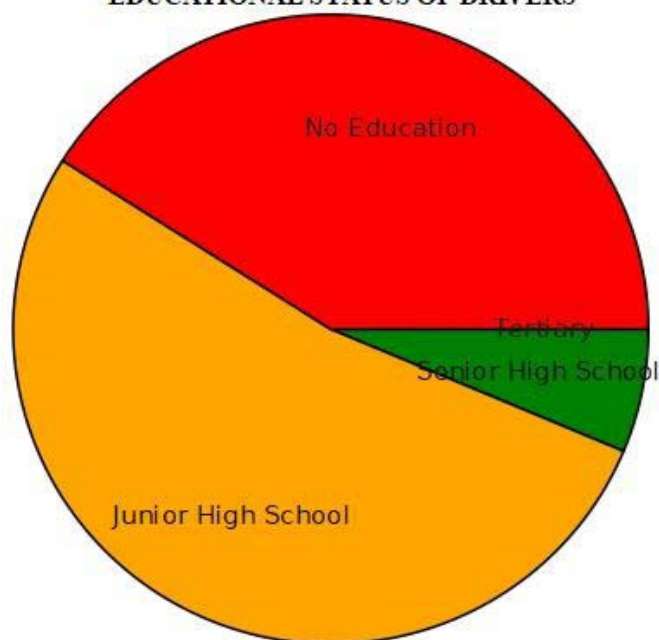
[22] investigated the effects of methamphetamine in narcoleptic patients and healthy subjects. Methamphetamine improved performance of narcoleptic patients in the driving simulator in a dose dependent manner.

[23] tested the effects of dexamphetamine, a drug with similar effects as meth

Table 1: Age Distribution

Age(years)	Number
21-30	41
31-40	92
41-50	87
51-60	55
61+	24

AGE DISTRIBUTION OF DRIVERS

EDUCATIONAL STATUS OF DRIVERS

e) *Drug Use*

Approximately, thirty four percent of the respondents confirmed the use of some substances to enhance their performance or keep them awake for long hours of driving.

Most drivers are of the view that the use of substances enables them to drive faster with

concentration and to be able to go for more trips. All these comes with financial benefits according to most of them. Table 5 gives the distributions of response from drivers regarding the

Table 7: Mode of Driver Training

Training	Number
Driving School	87
Family/Friends	59
Learning on Job	55
Self Tutoring	49
Other	50

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Do not know	5
Feels relaxed and drives easier	27
Makes one drive faster	25
Stay awake for hours	47
Pressure from car owners	27
No policy or punishment	9
No regular check points	12
Weight control behaviour	13

time[6]	0.0000			
time[7]	0.9470	1.6971	0.558	0.576826
time[8]	2.1849	1.1605	1.883	0.050100
time[9]	3.3789	1.2721	2.656	0.007903 **

time[8]	8.889540e+00	1.039258e+00	1.058949e+02
time[9]	2.933885e+01	2.825415e+00	4.539337e+02
time[10+]	5.509293e+01	7.644572e+00	6.543038e+02

time	4	20.918	280	219.04	0.0003287 ***
training	4	82.593	276	136.44	2.2e-16 ***
vehicle	5	7.902	271	128.54	0.1616969

amphetamines (stimulants such as nescafe, ataya) and cigarette. A number of drivers admitted to using some substances before driving. There are significant relationship between substance use and hours of continuous driving.

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