

Table 1S: Description of the studies on psychoactive substance use by truck drivers.

Author(s)	Country Year	Characteristics of participants		Form of obtaining data	Main psychoactive substances evaluated
		N Age (years) Gender	Criteria for inclusion		
Guinn, 1983 ¹¹	USA 1981-1982	112 NA NA	Drivers of tractor-trailer trucks	SR	Drugs for the purpose of remaining awake and alert while trucking (non-specified drugs)
Lund <i>et al.</i> , 1988 ⁷	USA 1986	317 NA NA	Drivers of trucks weighing more than 4.5t	U/B	Alcohol, amphetamines, cannabinoids, cocaine, ephedrine/phenylpropanolamine/pseudoephedrine, phentermine
Mongkolsirichaikul <i>et al.</i> , 1988 ¹²	Thailand 1987	57 22-45 NA	NA	U	Amphetamines
Crouch <i>et al.</i> , 1993 ⁸	USA 1987-1988	168 NA NA	Drivers of trucks weighing more than 4.5t	B	Alcohol, amphetamines, caffeine, cannabinoids, cocaine, codeine, ephedrine/ phenylpropanolamine/pseudoephedrine, opiates
Korelitz <i>et al.</i> , 1993 ¹³	USA 1988	2945 18+ M	NA	SR	Alcohol
Mabbott <i>et al.</i> , 1999 ¹⁴	Australia 1997	236 21-69 M/F	NA	SR	Illicit stimulant (amphetamines), over-the-counter stimulants (herbal drugs, caffeine tablets, pseudoephedrine), prescription stimulants (phentermine, diethylpropion)
Couper <i>et al.</i> , 2002a ^{15*}	USA 1998	361 NA NA	NA	B/U	Alcohol, amphetamines, antihistamines, caffeine, cannabinoids, cocaine, ephedrine/pseudoephedrine, opiates
Couper <i>et al.</i> , 2002b ^{15*}	USA 1999	461 NA NA	NA	B/U	Alcohol, amphetamines, antihistamines, caffeine, cannabinoids, cocaine, ephedrine/pseudoephedrine, opiates
Drummer <i>et al.</i> , 2003 ¹⁶	Australia 1990-1999	139 NA M/F	Truckers killed in motor vehicle accidents	B	Alcohol, benzodiazepines, stimulants, cannabinoids, opiates
Silva <i>et al.</i> , 2003 ¹⁷	Brazil	728	Drivers who were not under	U	Amphetamines, cannabinoids, cocaine

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	NA	NA NA	suspicion of having driven under the influence of drugs		
Yildirim, 2003 ¹⁸	Turkey 1999	500 NA NA	Long-distance drivers	SR	Gripin® (Drug containing caffeine)
Souza <i>et al.</i> , 2005 ¹⁹	Brazil NA	260 21-79 M	NA	SR	Alcohol, amphetamines, caffeine
Moreno <i>et al.</i> , 2006 ²⁰	Brazil NA	4878 40±10 M	NA	SR	Alcohol
Domingos <i>et al.</i> , 2007 ²¹	Brazil 2006	1014 18-72 M/F	NA	SR	Alcohol
Drummer <i>et al.</i> , 2007 ²²	Australia 2004-2005	318 NA M/F	Drivers of trucks weighing more than 4.5t	OF/B	Alcohol, amphetamines, cannabinoids
Nascimento <i>et al.</i> , 2007 ⁵	Brazil 2005	91 NA NA	Long-distance truck drivers	SR	Alcohol, amphetamines
Sakurai <i>et al.</i> , 2007 ²³	Japan 2004-2005	1465 20-69 M	NA	SR	Alcohol
Snowden <i>et al.</i> , 2007 ²⁴	US 1988-2003	71.606 21-65 NA	Drivers of trucks weighing more than 4.5t involved in a fatal motor vehicle crash	B	Alcohol
Williamson, 2007a ^{25*}	Australia 1991	970 NA M/F	Long-distance drivers, completing trips of at least 300 km	SR	Psychostimulant drugs to stay awake while driving

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Williamson, 2007b ^{25*}	Australia 1998	1,007 NA M/F	Long-distance drivers, completing trips of at least 300 km	SR	Psychostimulant drugs
Gay Anderson <i>et al.</i> , 2008 ²⁶	US 2003-2006	987 ≥21 M/F	Those who spend one or more nights away from home and ability to speak English	SR	Alcohol
Labat <i>et al.</i> , 2008 ⁶	France 2003-2004	1,000 18-65 M/F	NA	U	Alcohol, amphetamines, benzodiazepines, buprenorphine, cannabinoids, cocaine, opiates, methadone
Penteado <i>et al.</i> , 2008 ²⁷	Brazil 2005	400 21-65 M	NA	SR	Alcohol, coffee, energetic drinks, illicit drugs (cocaine, cannabis, crack), stimulants
Domingos <i>et al.</i> , 2010 ²⁸	Brazil 2007	827 ≥18 M/F	NA	SR	Alcohol
Jora <i>et al.</i> , 2010 ²⁹	Brazil 2008	496 >18 M/F	NA	SR	Alcohol
Masson <i>et al.</i> , 2010a ³⁰	Brazil 2005	50 ≥20 M	NA	SR	Alcohol, psychoactive drugs
Masson <i>et al.</i> , 2010b ³¹	Brazil 2008	105 ≥20 M	NA	SR	Alcohol, amphetamines.
Mieczkowski, 2010 ³²	USA NA	1,458 NA NA	NA	U/H	Amphetamines, cannabinoids, cocaine, opiates
Riva <i>et al.</i> , 2010 ³³	Italy 2008	226 42.7±9.5	NA	SR	Alcohol, amphetamines, cannabinoids, cocaine, ecstasy, methadone, opiates

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Laraqui <i>et al.</i> , 2011 ³⁴	Morocco 2004-2008	NA 2,134 39.3±7.7 NA	NA	SR	Alcohol, cannabinoids, coffee, psychotropic medicines
Gjerde <i>et al.</i> , 2012 ³⁵	Norway 2008-2009	882 NA M/F	NA	OF	Alcohol, amphetamines, cannabinoids, cocaine, codeine, morphine
Leyton <i>et al.</i> , 2012 ³⁶	Brazil 2009	452 40±10.8 M	Drivers of trucks weighing more than 30t	U SR	Amphetamines, cannabinoids, cocaine
Mir <i>et al.</i> , 2012 ³⁷	Pakistan 2008	461 18-68 M	Drivers who drove more than 160 km daily	SR	Alcohol, cannabinoids
Knauth <i>et al.</i> , 2012 ³⁹	Brazil 2006	854 NA NA	NA	SR	Alcohol, amphetamines, caffeine, energy drinks, guarana powder, cocaine
Yonamine <i>et al.</i> , 2013 ³⁸	Brazil 2002-2008	1,277 18-80 M	NA	U SR	Alcohol, amphetamines, cannabinoids, cocaine
Gates <i>et al.</i> , 2013 ⁴⁰	USA 1993-2008	10,190 NA M/F	Drivers aged 20 years or over who were driving a truck- tractor or a truck with a gross vehicle weight rating greater than 26,000 lbs	U/B	Amphetamines, cocaine, benzoylecgonine, phentermine, chlorphentermine

B: blood; **H:** hair; **NA:** not available; **OF:** oral fluid; **SR:** self-report; **U:** urine; **USA:** United States of America; *Refer to results of two investigations published in one article.