

## Marijuana and Driving

- Anderson, B. M., Rizzo, M., Block, R. I., Pearlson, G. D., & O'Leary, D. S. (2010). Sex differences in the effects of marijuana on simulated driving performance. *Journal of Psychoactive Drugs, 42*(1), 19-30.
- Armentano, P. (2013). Cannabis and psychomotor performance: A rational review of the evidence and implications for public policy. *Drug Testing & Analysis, 5*(1), 52-56.
- Arria, A. M., Caldeira, K. M., Vincent, K. B., GarnierDykstra, L. M., & O'Grady, K. E. (2011). Substance-related traffic-risk behaviors among college students. *Drug and Alcohol Dependence, 118*(2-3), 306-312.
- Arterberry, B. J., Treloar, H. R., Smith, A. E., Martens, M. P., Pedersen, S. L., & McCarthy, D. M. (Sep 2013). Marijuana use, driving, and related cognitions. *Psychology of Addictive Behaviors, 27*(3), 854-860.
- Asbridge M, Mann R, Cusimano MD, Trayling C, Roerecke M, Tallon JM, . . . Rehm J. (2014). Cannabis and traffic collision risk: Findings from a case-crossover study of injured drivers presenting to emergency departments. *International Journal of Public Health, 59*(2), 395-404.
- Asbridge, M., Hayden, J. A., & Cartwright, J. L. (2012). Acute cannabis consumption and motor vehicle collision risk: Systematic review of observational studies and meta-analysis. *Bmj, 344*, e536.
- Ashton, C. H. (2001). Pharmacology and effects of cannabis: A brief review. *The British Journal of Psychiatry: The Journal of Mental Science, 178*, 101-106.
- Barnett, G., Licko, V., & Thompson, T. (1985). Behavioral pharmacokinetics of marijuana. *Psychopharmacology, 85*(1), 51-56.

Battistella, G., Fornari, E., Thomas, A., Mall, J. F., Chtioui, H., Appenzeller, M., . . . Giroud, C. (2013). Weed or wheel! FMRI, behavioural, and toxicological investigations of how cannabis smoking affects skills necessary for driving. *PLoS ONE [Electronic Resource]*, 8(1), e52545.

Bédard, M., Dubois, S., & Weaver, B. (2007). The impact of cannabis on driving. *Canadian Journal of Public Health. Revue Canadienne De Santé Publique*, 98(1), 6-11.

Bergeron J, & Paquette M. (2014). Relationships between frequency of driving under the influence of cannabis, self-reported reckless driving and risk-taking behavior observed in a driving simulator. *Journal of Safety Research*, 49, 19-24.

Bouffard, L. A., Bergeron, L. E., & Bouffard, J. A. (2007). Investigating the impact of extended bar closing times on police stops for DUI. *Journal of Criminal Justice*, 35(5), 537-545.

Brady JE, & Li G. (2014). Trends in alcohol and other drugs detected in fatally injured drivers in the united states, 1999-2010. *American Journal of Epidemiology*, 179(6), 692-699.

Bramness, J., Khiabani, H. Z., & Mørland, J. (2010). Impairment due to cannabis and ethanol: Clinical signs and additive effects. *Addiction*, 105(6), 1080-1087.  
doi:10.1111/j.1360-0443.2010.02911.x

CARTWRIGHT, J., & ASBRIDGE, M. (2011). Passengers' decisions to ride with a driver under the influence of either alcohol or cannabis. *Journal of Studies on Alcohol & Drugs*, 72(1), 86-95.

Casey, P. F., & Dollinger, S. J. (2007). College students' alcohol-related problems: An autophotographic approach. *Journal of Alcohol and Drug Education*, 51(2), 8-25.

- Clinical digest. cannabis use within three hours of driving doubles the risk of a serious accident. (2012). *Nursing Standard*, 26(27), 19-19.
- Consensus report. drug concentrations and driving impairment. consensus development panel. (1985). *JAMA: The Journal of the American Medical Association*, 254(18), 2618-2621.
- Crouch, D. J., Hersch, R. K., Cook, R. F., Frank, J. F., & Walsh, J. M. (2002). A field evaluation of five on-site drug-testing devices. *Journal of Analytical Toxicology*, 26(7), 493-499.
- Dill, P. L., Wells-Parker, E., Cross, G. W., Williams, M., Mann, R. E., Staduto, G., & Shuggi, R. (2007). The relationship between depressed mood, self-efficacy and affective states during the drinking driving sequence. *Addictive Behaviors*, 32(8), 1714-1718.
- Downey, L. A., King, R., Papafotiou, K., Swann, P., Ogden, E., Boorman, M., & Stough, C. (2013). The effects of cannabis and alcohol on simulated driving: Influences of dose and experience. *Accident Analysis & Prevention*, 50, 879-886.  
doi:10.1016/j.aap.2012.07.016
- Duff, C., & Rowland, B. (2006). 'Rushing behind the wheel': Investigating the prevalence of 'drug driving' among club and rave patrons in melbourne, australia. *Drugs: Education, Prevention & Policy*, 13(4), 299-312.
- Dumont, G. J. H., Valkenberg, M. M. G. J., Schoemaker, R., Buitelaar, J. K., van Gerven, J. M. A., & Verkes, R. J. (2007). Acute MDMA and ethanol interaction effects on psychomotor performance. *British Journal of Clinical Pharmacology*, 63(4), 503-503.
- Durkin, K. F., Wolfe, S. E., & May, R. W. (2007). Social bond theory and drunk driving in a sample of college students. *College Student Journal*, 41(3), 734-744.

- Farrell, L. J., Kerrigan, S., & Logan, B. K. (2007). Recommendations for toxicological investigation of drug impaired driving. *Journal of Forensic Sciences, 52*(5), 1214-1218.
- Freeman, D. G. (2007). Drunk driving legislation and traffic fatalities: New evidence on BAC 08 laws. *Contemporary Economic Policy, 25*(3), 293-308.
- Gieringer, D. H. (1988). Marijuana, driving, and accident safety. *Journal of Psychoactive Drugs, 20*(1), 93-101.
- Giroto, E., Mesas, A. E., de Andrade, S. M., & Birolim, M. M. (2014). Psychoactive substance use by truck drivers: A systematic review. *Occupational & Environmental Medicine, 71*(1), 71-76.
- Giroud, C., Ménétrey, A., Augsburger, M., Buclin, T., Sanchez-Mazas, P., & Mangin, P. (2001). Delta(9)-THC, 11-OH-delta(9)-THC and delta(9)-THCCOOH plasma or serum to whole blood concentrations distribution ratios in blood samples taken from living and dead people. *Forensic Science International, 123*(2), 159-164.
- Glascoff, M. A., Shrader, J. S., & Haddock, R. K. (2013). Friends don't let friends drive drunk, but do they let friends drive high? *Journal of Alcohol & Drug Education, 57*(1), 66-84.
- Harder, S., & Rietbrock, S. (1997). Concentration-effect relationship of delta-9-tetrahydrocannabinol and prediction of psychotropic effects after smoking marijuana. *International Journal of Clinical Pharmacology and Therapeutics, 35*(4), 155-159.
- Hartman, R. L., & Huestis, M. A. (2013). Cannabis effects on driving skills. *Clinical Chemistry, 59*(3), 478-492.

Heishman, S. J., Singleton, E. G., & Crouch, D. J. (1998). Laboratory validation study of drug evaluation and classification program: Alprazolam, d-amphetamine, codeine, and marijuana. *Journal of Analytical Toxicology*, 22(6), 503-514.

Hollister, L. E. (1986). Health aspects of cannabis. *Pharmacological Reviews*, 38(1), 1-20.

Jones, A. W., Holmgren, A., & Kugelberg, F. C. (2008). Driving under the influence of cannabis: A 10-year study of age and gender differences in the concentrations of tetrahydrocannabinol in blood. *Addiction*, 103(3), 452-461. doi:10.1111/j.1360-0443.2007.02091.x

Kaplan, J., Kraner, J., & Paulozzi, L. (2007). Alcohol and other drug use among victims of motor-vehicle crashes-- west virginia, 2004-2005. *JAMA: Journal of the American Medical Association*, 297(17), 1873-1874.

Khiabani, H. Z., Bramness, J. G., Bjørneboe, A., & Mørland, J. (2006). Relationship between THC concentration in blood and impairment in apprehended drivers. *Traffic Injury Prevention*, 7(2), 111-116.

Kintz, P., Cirimele, V., & Ludes, B. (2000). Detection of cannabis in oral fluid (saliva) and forehead wipes (sweat) from impaired drivers. *Journal of Analytical Toxicology*, 24(7), 557-561.

Klonoff, H. (1974). Marijuana and driving in real-life situations. *Science (New York, N.Y.)*, 186(4161), 317-324.

Kurzthaler, I., Hummer, M., Miller, C., Sperner-Unterweger, B., Günther, V., Wechdorn, H., . . . Fleischhacker, W. W. (1999). Effect of cannabis use on cognitive functions and driving ability. *The Journal of Clinical Psychiatry*, 60(6), 395-399.

- Laloup, M., Samyn, N., & Maes, V. (2008). Bio-analysis of forensically relevant drugs in alternative matrices by liquid chromatography-tandem mass spectrometry. *Verhandelingen - Koninklijke Academie Voor Geneeskunde Van Belgie*, 70(5-6), 347-367.
- Lapham, S. C., C'De Baca, J., McMillan, G. P., & Lapidus, J. (2006). Psychiatric disorders in a sample of repeat impaired-driving offenders. *Journal of Studies on Alcohol*, 67(5), 707-713.
- Lenné, M. G., Dietze, P. M., Triggs, T. J., Walmsley, S., Murphy, B., & Redman, J. R. (2010). The effects of cannabis and alcohol on simulated arterial driving: Influences of driving experience and task demand. *Accident Analysis & Prevention*, 42(3), 859-866.  
doi:10.1016/j.aap.2009.04.021
- Li, G., Brady, J. E., & Chen, Q. (2013). Drug use and fatal motor vehicle crashes: A case-control study. *Accident Analysis & Prevention*, 60, 205-210.  
doi:10.1016/j.aap.2013.09.001
- Liguori, A., Gatto, C. P., & Robinson, J. H. (1998). Effects of marijuana on equilibrium, psychomotor performance, and simulated driving. *Behavioural Pharmacology*, 9(7), 599-609.
- Liguori, A., Gatto, C. P., Jarrett, D. B., McCall, W. V., & Brown, T. W. (2003). Behavioral and subjective effects of marijuana following partial sleep deprivation. *Drug and Alcohol Dependence*, 70(3), 233-240.
- Macdonald, S., Anglin-Bodrug, K., Mann, R. E., Erickson, P., Hathaway, A., Chipman, M., & Rylett, M. (2003). Injury risk associated with cannabis and cocaine use. *Drug and Alcohol Dependence*, 72(2), 99-115.

Marko, T., & Watt, T. (2011). Employing a youth-led adult-guided framework: "why drive high?" social marketing campaign. *Family & Community Health: The Journal of Health Promotion & Maintenance*, 34(4), 319-330.

McGuire, F., Dawe, M., Shield, K. D., Rehm, J., & Fischer, B. (2011). Driving under the influence of cannabis or alcohol in a cohort of high-frequency cannabis users: Prevalence and reflections on current interventions. *Canadian Journal of Criminology and Criminal Justice*, 53(2), 247-259.

Musshoff, F., & Madea, B. (2006). Review of biologic matrices (urine, blood, hair) as indicators of recent or ongoing cannabis use. *Therapeutic Drug Monitoring*, 28(2), 155-163.

Musshoff, F., Madea, B., Kernbach-Wighton, G., Bicker, W., Kneisel, S., Hutter, M., & Auwärter, V. (2014). Driving under the influence of synthetic cannabinoids ('spice'): A case series. *International Journal of Legal Medicine*, 128(1), 59-64.  
doi:10.1007/s00414-013-0864-1

National highway traffic safety administration (NHTSA) notes. marijuana and alcohol combined severely impede driving performance... including commentary by jolly BT. (2000). *Annals of Emergency Medicine*, 35(4), 398-400.

Neavyn, M., Blohm, E., Babu, K., & Bird, S. (2014). Medical marijuana and driving: A review. *Journal of Medical Toxicology*, 10(3), 269-279. doi:10.1007/s13181-014-0393-4

Ogden, E. J. D., & Moskowitz, H. (2004). Effects of alcohol and other drugs on driver performance. *Traffic Injury Prevention*, 5(3), 185-198.

- O'Malley, P. M., & Johnston, L. D. (2013). Driving after drug or alcohol use by US high school seniors, 2001-2011. *American Journal of Public Health, 103*(11), 2027-2034. doi:10.2105/AJPH.2013.301246
- O'Malley, P. M., & Johnston, L. D. (2007). Drugs and driving by american high school seniors, 2001-2006. *Journal of Studies on Alcohol and Drugs, 68*(6), 834-842.
- Palk, G., Davey, J., & Freeman, J. (2007). Prevalence and characteristics of alcohol-related incidents requiring police attendance. *Journal of Studies on Alcohol and Drugs, 68*(4), 575-581.
- Palmer, R. S., Ball, S. A., Rounsaville, B. J., & O'Malley, S. S. (2007). Concurrent and predictive validity of drug use and psychiatric diagnosis among first-time DWI offenders. *Alcoholism: Clinical & Experimental Research, 31*(4), 619-624.
- Porath-Waller, A. J., & Beirness, D. J. (2014). An examination of the validity of the standardized field sobriety test in detecting drug impairment using data from the drug evaluation and classification program. *Traffic Injury Prevention, 15*(2), 125-131.
- Position on the use of cannabis (marijuana) and driving. (2013). *Journal of Analytical Toxicology, 37*(1), 47-49.
- Ramaekers, J. G., Moeller, M. R., van Ruitenbeek, P., Theunissen, E. L., Schneider, E., & Kauert, G. (2006). Cognition and motor control as a function of Delta9-THC concentration in serum and oral fluid: Limits of impairment. *Drug and Alcohol Dependence, 85*(2), 114-122.
- Ramaekers, J. G., Berghaus, G., van Laar, M., & Drummer, O. H. (2004). Dose related risk of motor vehicle crashes after cannabis use. *Drug and Alcohol Dependence, 73*(2), 109-119.

Reeve, V. C., Grant, J. D., Robertson, W., Gillespie, H. K., & Hollister, L. E. (1983). Plasma concentrations of delta-9-tetrahydrocannabinol and impaired motor function. *Drug and Alcohol Dependence*, 11(2), 167-175.

Reeve, V. C., Robertson, W. B., Grant, J., Soares, J. R., Zimmermann, E. G., Gillespie, H. K., & Hollister, L. E. (1983). Hemolyzed blood and serum levels of delta 9-THC: Effects on the performance of roadside sobriety tests. *Journal of Forensic Sciences*, 28(4), 963-971.

Romano E, Torres-Saavedra P, Voas RB, & Lacey JH. (2014). Drugs and alcohol: Their relative crash risk. *Journal of Studies on Alcohol and Drugs*, 75(1), 56-64.

Salomonsen-Sautel, S., Min, S., Sakai, J. T., Thurstone, C., Hopfer, C., Salomonsen-Sautel, S., . . . Hopfer, C. (2014). Trends in fatal motor vehicle crashes before and after marijuana commercialization in colorado. *Drug and Alcohol Dependence*, 140(23), 137.

Sayer G, Ialomiteanu A, Stoduto G, Wickens CM, Mann RE, Le Foll B, & Brands B. (2014). Increased collision risk among drivers who report driving after using alcohol and after using cannabis. *Canadian Journal of Public Health = Revue Canadienne De Sante Publique*, 105(1), e92-3.

Sayer, G., Mann, R., Stoduto, G., Wickens, C., Ialomiteanu, A., & Brands, B. (2014). *Self-reported collision involvement associated with driving after alcohol use, cannabis use or both* doi:10.1016/j.drugalcdep.2014.02.549

Scherer, M., Voas, R. B., & FurrHolden, D. (Jul 2013). Marijuana as a predictor of concurrent substance use among motor vehicle operators. *Journal of Psychoactive Drugs*, 45(3), 211-217.

- Schwartz, R. H. (1987). Marijuana: An overview. *Pediatric Clinics of North America*, 34(2), 305-317.
- Schwilke, E. W., Sampaio dos Santos, M. I., & Logan, B. K. (2006). Changing patterns of drug and alcohol use in fatally injured drivers in Washington state. *Journal of Forensic Sciences*, 51(5), 1191-1198.
- Sewell, R. A., Poling, J., & Sofuoglu, M. (2009). The effect of cannabis compared with alcohol on driving. *American Journal on Addictions*, 18(3), 185-193.
- Shillington, A. M., & Clapp, J. D. (2006). Heavy alcohol use compared to alcohol and marijuana use: Do college students experience a difference in substance use problems? *Journal of Drug Education*, 36(1), 91-103.
- Sutton, L. R. (1983). The effects of alcohol, marijuana and their combination on driving ability. *Journal of Studies on Alcohol*, 44(3), 438-445.
- Swift, W., Jones, C., & Donnelly, N. (2010). Cannabis use while driving: A descriptive study of Australian cannabis users. *Drugs: Education, Prevention & Policy*, 17(5), 573-586.  
doi:10.3109/09687630903264286
- Teixeira, H., Proença, P., Castanheira, A., Santos, S., López-Rivadulla, M., Corte-Real, F., . . . Vieira, D. N. (2004). Cannabis and driving: The use of LC-MS to detect delta9-tetrahydrocannabinol (delta9-THC) in oral fluid samples. *Forensic Science International*, 146 Suppl, S61-3.
- Terry-McElrath YM, O'Malley PM, & Johnston LD. (2014). Alcohol and marijuana use patterns associated with unsafe driving among U.S. high school seniors: High use frequency, concurrent use, and simultaneous use. *Journal of Studies on Alcohol and Drugs*, 75(3), 378-389.

van der Beek, A. J. (2014). Psychoactive substance use in truck drivers: Occupational health and public health. *Occupational & Environmental Medicine*, 71(1), 1.

Vindenes, V., Strand, D. H., Kristoffersen, L., Boix, F., & Mørland, J. (2013). Has the intake of THC by cannabis users changed over the last decade? evidence of increased exposure by analysis of blood THC concentrations in impaired drivers. *Forensic Science International*, 226(1-3), 197-201. doi:10.1016/j.forsciint.2013.01.017

Walton, M. A., Bohnert, K., Resko, S., Barry, K. L., Chermack, S. T., Zucker, R. A., . . . Blow, F. C. (2013). *Computer and therapist based brief interventions among cannabis-using adolescents presenting to primary care: One year outcomes*  
doi:10.1016/j.drugalcdep.2013.04.020

Whitehill JM, Rivara FP, & Moreno MA. (2014). Marijuana-using drivers, alcohol-using drivers, and their passengers: Prevalence and risk factors among underage college students. *JAMA Pediatrics*, 168(7), 618-624.

Wille, S. M., Di Fazio, V., Ramirez-Fernandez Mdel, M., Kummer, N., & Samyn, N. (2013). Driving under the influence of cannabis: Pitfalls, validation, and quality control of a UPLC-MS/MS method for the quantification of tetrahydrocannabinol in oral fluid collected with StatSure, quantisal, or certus collector. *Therapeutic Drug Monitoring*, 35(1), 101-111.

Wille, S. M., Ramirez-Fernandez Mdel, M., Samyn, N., & De Boeck, G. (2010). Conventional and alternative matrices for driving under the influence of cannabis: Recent progress and remaining challenges. *Bioanalysis*, 2(4), 791-806.

Wilson FA, Stimpson JP, & Pagán JA. (2014). Fatal crashes from drivers testing positive for drugs in the U.S., 1993-2010. *Public Health Reports*, 129(4), 342-350.

Zimmerman, E. G., Yeager, E. P., Soares, J. R., Hollister, L. E., & Reeve, V. C. (1983).  
Measurement of delta 9-tetrahydrocannabinol (THC) in whole blood samples from  
impaired motorists. *Journal of Forensic Sciences*, 28(4), 957-962.