Table 1. *Epidemiology of Marijuana in the Driving Public*

|  |
| --- |
| **Incidence of Marijuana Use in the General Population of Drivers** |
| Valen et al 2017 (9) | 2000-2015 | Drivers suspected of driving under the influence in Norway | 74,859 | 25.0% |
| Institóris et al 2017 (10) | 2014-2015 | Drivers suspected of driving under the influence in Hungary | 1,252 | 34.5% |
| Rooney et al 2017 (11) | 2010-2012 | Drivers suspected of driving under the influence in England and Wales | 4,684 | 29.7% |
| Lemos et al 2015 (12) | 2010-2013 | Drivers arrested for suspected of driving under the influence and deceased drivers with cannabinoids in their postmortem blood in Orange County, California | Arrested - 3,565 | 8.9% |
| Deceased - 81 | 28.4% |
| Couper et al 2014 (13) | 2009-2013 | Drivers suspected of driving under the influence in Washington State | 25,719 | 20.3% |
| Bezemer et al 2014 (14) | 2009-2012 | Drivers suspected of driving under the influence in the Netherlands | 3,038 | 54.0% |
| Bogstrand et al 2014 (15) | 2008-2009 | Drivers arrested for suspected of driving under the influence, crashed drivers and random drivers in the general population in Norway | General - 9,375 | 0.6% |
| Arrested - 1,944 | 21.8% |
| Crashed - 794 | 15.6% |
| Gjerde et al 2014 (16) | 2008-2009 | Drivers of the general population of Norway and Brazil | Brazil - 3,326 | 0.4% |
| Norway - 2,038 | 1.0% |
| Li et al 2013 (17) | 2007 | Drivers involved in fatal crashes and participants in the National Roadside Survey of Alcohol and Drug Use by Drivers in the continental United States | Participants - 7,719 | 9.8% |
| Crashed - 737 | 5.6% |
| Gjerde et al 2013 (18) | 2005-2006 | Drivers of the general population of Norway | 9,410 | 1.1% |
| Vindenes et al 2013 (19) | 2000-2010 | Drivers suspected of driving under the influence in Norway | 82,615 | 2.1% |
| Institóris et al 2013 (20) | 2008-2009 | Drivers of the general population of Hungary | 2,738 | 0.6% |
| Gómez-Talegón et al 2012 (21) | 2008-2009 | Drivers of the general population of Spain | 3,302 | 7.7% |
| Vindenes et al 2012 (22) | 2006-2008 | Drivers suspected of driving under the influence in Norway | 13,315 | 22.2% |
| Steentoft et al 2010 (23) | 1997-2006 | Drivers suspected of driving under the influence in Denmark | 2,340 | 27% |
| Senna et al 2010 (24) | 2005 | Drivers suspected of driving under the influence in Switzerland | 4,794 | 48% |
| Holmgren et al 2007 (25) | 2001-2004 | Drivers suspected of driving under the influence in Sweden | 22,777 | 4% |
| Khiabani et al 2006 (26) | 1997-1999 | Drivers suspected of driving under the influence in Norway | 30,000 | 1.96% |
| Laumon et al 2005 (27) | 2001-2003 | Fatally injured drivers considered at fault with known drug or alcohol concentrations in their blood and fatally injured drivers not at fault with known drug or alcohol concentrations in their blood in France | Not at fault - 3,006 | 2.8% |
| At fault - 6,766 | 8.8% |
| Augsburger et al 2005 (28) | 2002-2003 | Drivers suspected of driving under the influence in Switzerland | 440 | 59% |
| Brookoff et al 1994 (29) | 1993 | Drivers suspected of driving under the influence in Memphis, Tennessee | 150 | 33% |
| **Incidence of Marijuana Use in Drivers Involved in Traffic Accidents** |
| Robertson et al 2017 (30) | 2000-2012 | Fatally injured drivers in Canada | Unspecified | 15.5% |
| Christophersen et al 2014 (31) | 2001-2010 | Drivers killed in road accidents in Norway | 676 | 7.2% |
| Asbridge et al 2014 (32) | 2009-2011 | Drivers involved in crashes presenting to emergency department in Toronto and Halifax, Canada | 368 | 19.8% |
| Legrand et al 2013 (33) | 2008-2010 | Drivers involved in crashes in Belgium | 1078 | 5.3% |
| Wiese et al 2013 (34) | 2007-2010 | Seriously injured drivers in Denmark | 840 | 3.7% |
| Giovanardi et al 2005 (35) | 2002 | Drivers involved in crashes presenting to emergency department of the University Hospital in Modena, Italy | 115 | 19% |
| Bédard et al 2007 (36) | 1993-2003 | Drivers aged 20-49 who were involved in a fatal crash in the United States  | 32,543 | 5% |