README for “Marijuana, Other Drugs, and Alcohol Use by Drivers in Washington State [Supporting Datasets]” dataset.
Office of Behavioral Safety Research (BSR), National Highway Transportation Safety Administration (NHTSA), U.S. Department of Transportation (USDOT)
2024-01-20

LINKS TO DATASET

A. Dataset homepage link:
https://doi.org/10.21949/1529969

SUMMARY OF DATASET

This dataset supports the conclusions of the report "Marijuana, Other Drugs, and Alcohol Use by Drivers in Washington State", and its various outputs. In Washington State legal sales of marijuana began July 8, 2014. A voluntary, anonymous roadside study was conducted to assess the prevalence of drivers testing positive for alcohol and other drugs, including marijuana, on Washington’s roads. Data was collected in three waves, before implementation of legal sales, about 6 months after implementation, and 1 year after implementation (between June 10, 2014 through June 23, 2015). Of the almost 2,400 participants who provided an oral fluid or blood sample, 14.6 percent of drivers, 19.4 percent of drivers, and 21.4 percent of drivers were THC-positive in Waves 1, 2, and 3, respectively. There were no statistically significant differences between waves. There was a statistically significant increase in daytime prevalence of THC-positive drivers between Wave 1 (7.8%) and Wave 2 (18.4%), and also between Wave 1 and Wave 3 (18.9%). There was an increase in the percentage of THC-positive nighttime drivers with each successive wave, but these increases were not statistically significant. Synthetic marijuana was found in only 2 of the participants.
These data support the results of the following publications available in this repository: Marijuana, Other Drugs, and Alcohol Use by Drivers in Washington State https://doi.org/10.21949/1525795; Marijuana, Other Drugs, and Alcohol Use by Drivers in Washington State: Appendices https://doi.org/10.21949/1525829; Drivers’ Use of Marijuana in Washington State [Traffic Tech] https://doi.org/10.21949/1525833
NTL staff has reviewed the data and feels that re-identification risk of study participants from this dataset is extremely low.
The .ZIP folder of datasets and supporting documentation is MB in size. The ZIP contains files in the following formats: .CSV files which can be opened with any text editor; .TXT files which can be opened with any text editor; .PDF files that can be opened with any PDF reader; .DOCX files that can be opened in Microsoft Word and some web-based programs; .SAV files which can be opened with IBM SPSS statistical software; .SAS and .sas7bdat files which can be opened with SAS statistical software; .XLSX files which can be opened with Microsoft Excel and other spreadsheet programs; and, .JSON files which can be opened with text editors or metadata editing programs.

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F. Update Log

A. GENERAL INFORMATION
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0. Title of Dataset:
Marijuana, Other Drugs, and Alcohol Use by Drivers in Washington State [Supporting Datasets]

1. Description of Dataset:
This dataset supports the conclusions of the report "Marijuana, Other Drugs, and Alcohol Use by Drivers in Washington State", and its various outputs. In Washington State legal sales of marijuana began July 8, 2014. A voluntary, anonymous roadside study was conducted to assess the prevalence of drivers testing positive for alcohol and other drugs, including marijuana, on Washington's roads. Data was collected in three waves, before implementation of legal sales, about 6 months after implementation, and 1 year after implementation (between June 10, 2014 through June 23, 2015). Of the almost 2,400 participants who provided an oral fluid or blood sample, 14.6 percent of drivers, 19.4 percent of drivers, and 21.4 percent of drivers were THC-positive in Waves 1, 2, and 3, respectively. There were no statistically significant differences between waves. There was a statistically significant increase in daytime prevalence of THC-positive drivers between Wave 1 (7.8%) and Wave 2 (18.4%), and also between Wave 1 and Wave 3 (18.9%). There was an increase in the percentage of THC-positive nighttime drivers with each successive wave, but these increases were not statistically significant. Synthetic marijuana was found in only 2 of the participants.

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2.A Dataset homepage link:
https://doi.org/10.21949/1529969

3. Authorship Information:
Principal Data Creator or Data Manager Contact Information
Name: Amy Berning
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Office of Behavioral Safety Research (BSR), National Highway Transportation Safety Administration (NHTSA), U.S. Department of Transportation
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Email: amy.berning@dot.gov

Organizational Contact Information
Name: National Transportation Library Data Curator
Institution: National Transportation Library, Office of Information and Library Sciences, Bureau of Transportation Statistics, U.S. Department of Transportation
Address: 1200 New Jersey Ave SE, Washington D.C. 20590
Email: ntldatacurator@dot.gov

4. Date of data collection and update interval:
Collection period: 2014-06-10 through 2015-06-23. No updates

5. Geographic location of data collection:
The state of Washington, in the United States, at various cities, as noted in the report "Marijuana, Other Drugs, and Alcohol Use by Drivers in Washington State" https://doi.org/10.21949/1525795

6. Information about funding sources that supported the collection of the data:
DTNH22-11-D-00226-0004

B. SHARING/ACCESS & POLICIES INFORMATION
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0. Recommended citation for the data:
U.S. Department of Transportation, National Highway Transportation Safety Administration (NHTSA), Office of Behavioral Safety Research (BSR). (Last updated 2024-01.) Marijuana, Other Drugs, and Alcohol Use by Drivers in Washington State [Supporting Datasets]. https://doi.org/10.21949/1529969

1. Licenses/restrictions placed on the data:
These data are in the Public Domain.

2. Was data derived from another source?:
No

3. This dataset and its documentation were created and shared to meet the requirements enumerated in the U.S. Department of Transportation's "Plan to Increase Public Access to the Results of Federally-Funded Scientific Research" Version 1.1 <<https://doi.org/10.21949/1524190>> and guidelines suggested by the DOT Public Access website <<https://doi.org/10.21949/1503647>>, in effect and current as of January 20, 2024.

C. DATA & RELATED FILE OVERVIEW
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1. Filenames
Data Files List
A.1. Filename: NHTSA_BSR_Wash_Marijuana_2015_DATA_Wave_All_Final_csv_160701.csv
Short description: 2,532 data records, with 506 variables in header row. .CSV version, opens with any text editor.
A.2. Filename: NHTSA_BSR_Wash_Marijuana_2015_DATA_Wave_All_Final_xlsx_160701.xlsx
Short description: 2,532 data records, with 506 variables in header row. .XLSX version, opens with Mircosoft Excel or other spreadsheet program.
A.3. Filename: NHTSA_BSR_Wash_Marijuana_2015_DATA_Wave_All_Final_sav_160701.zip
Short description: 2,532 data records. .SAV version, opens with IBM SPSS statistical software.
A.4. Filename: NHTSA_BSR_Wash_Marijuana_2015_DATA_Wave_All_Final_sas_160701.zip
Short description: 2,532 data records. .SAS version, opens with SAS statistical software.
A.5. Filename: NHTSA_BSR_Wash_Marijuana_2015_DATA_Wave_All_Final_dta_160701.zip
Short description: 2,532 data records. .DTA version, opens with Stata statistical software.

README
B. Filename: NHTSA_BSR_Wash_Marijuana_2015_README_20240116_1130.txt
Short description:
The README.txt file that includes human-readable information about the data, variable definitions, contact information, and other contextual information. The file you are reading now.

C. Filename: NHTSA_BSR_Wash_Marijuana_2015_README_20240116_1130.PDF
Short description:
A PDF version of the README.txt file that includes human-readable information about the data, variable definitions, contact information, and other contextual information.

METADATA
D. Filename: NHTSA_BSR_Wash_Marijuana_2015_METADATA_20240120_0802.json
Short description:
The machine-readable .json metadata file based on DCAT-US (Project Open Data) metadata schema v1.1.

DATA MANAGEMENT PLAN
E. Filename: NHTSA_BSR_Wash_Marijuana_2015_DMP_20240116_1130.txt
Short description:
The human-readable data management plan associated with this dataset.

F. Filename: NHTSA_BSR_Wash_Marijuana_2015_DMP_20240116_1130.pdf
Short description:
A pdf version of the human-readable data management plan associated with this dataset.

DATA DICTIONARY
G. Filename: NHTSA_BSR_Wash_Marijuana_2015_DataDictionary.pdf
Short description:
This document defines the 506 variables collected or generated for this dataset.

REPORTS AND OUTPUTS
H. Filenames:
NHTSA_BSR_Wash_Marijuana_2015_REPORT_812299.pdf;
NHTSA_BSR_Wash_Marijuana_2015_REPORT_812299a_Appendices.pdf
NHTSA_BSR_Wash_Marijuana_2015_REPORT_812307_Traffic_Tech.pdf

2. Are there multiple versions of the dataset? No

D. METHODOLOGICAL INFORMATION
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1. Description of methods used for collection/generation of data:
For Methodological information, please read pages 13 to 30 in the file NHTSA_BSR_Wash_Marijuana_2015_REPORT_812299.pdf, "Marijuana, Other Drugs, and Alcohol Use by Drivers in Washington State: Methodology" This file is also available in ROSA P at https://doi.org/10.21949/1525795

E. DATA-SPECIFIC INFORMATION
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1. NHTSA_BSR_Wash_Marijuana_2015_DATA_Wave_All_Final_csv_160701.csv (as well as .xlsx, .sav, .sas, and .dta formats).

A. Notes on table structure: see Data Dictionary file NHTSA_BSR_Wash_Marijuana_2015_DataDictionary.pdf

B. Number of variables:
506 variables

C. Number of cases/rows:
2,532 rows

D. Each row represents:
1 survey interation with a licensed driver in Washington state.

E. Data Dictionary/Variable List:
1. The full Data Dictionary is in file: NHTSA_BSR_Wash_Marijuana_2015_DataDictionary.pdf

F. Missing data codes:
#NULL! See Data Dictionary
Empty Cell See Data Dictionary

F. CHANGE LOG / UPDATE LOG

This NHTSA_BSR_Wash_Marijuana_2015_README_20240116_1130.txt file was created on 2024-01-20 by Leighton L Christiansen https://orcid.org/0000-0002-0543-4268, Data Curator, leighton.christiansen@dot.gov

[Note changes or update to the readme.txt file, e.g.:]

2024-01-20: Original file created