

Marijuana Impairment Impacts on Roadway Safety

**Rebecca M. Brewster
President and COO
American Transportation
Research Institute**

Research Advisory Committee



Marijuana Legalization and Impaired Driving

- Identifies issues and solutions for addressing marijuana-impaired car drivers
 - ◆ Roadside detection
 - ◆ Testing challenges
 - ◆ Judicial training

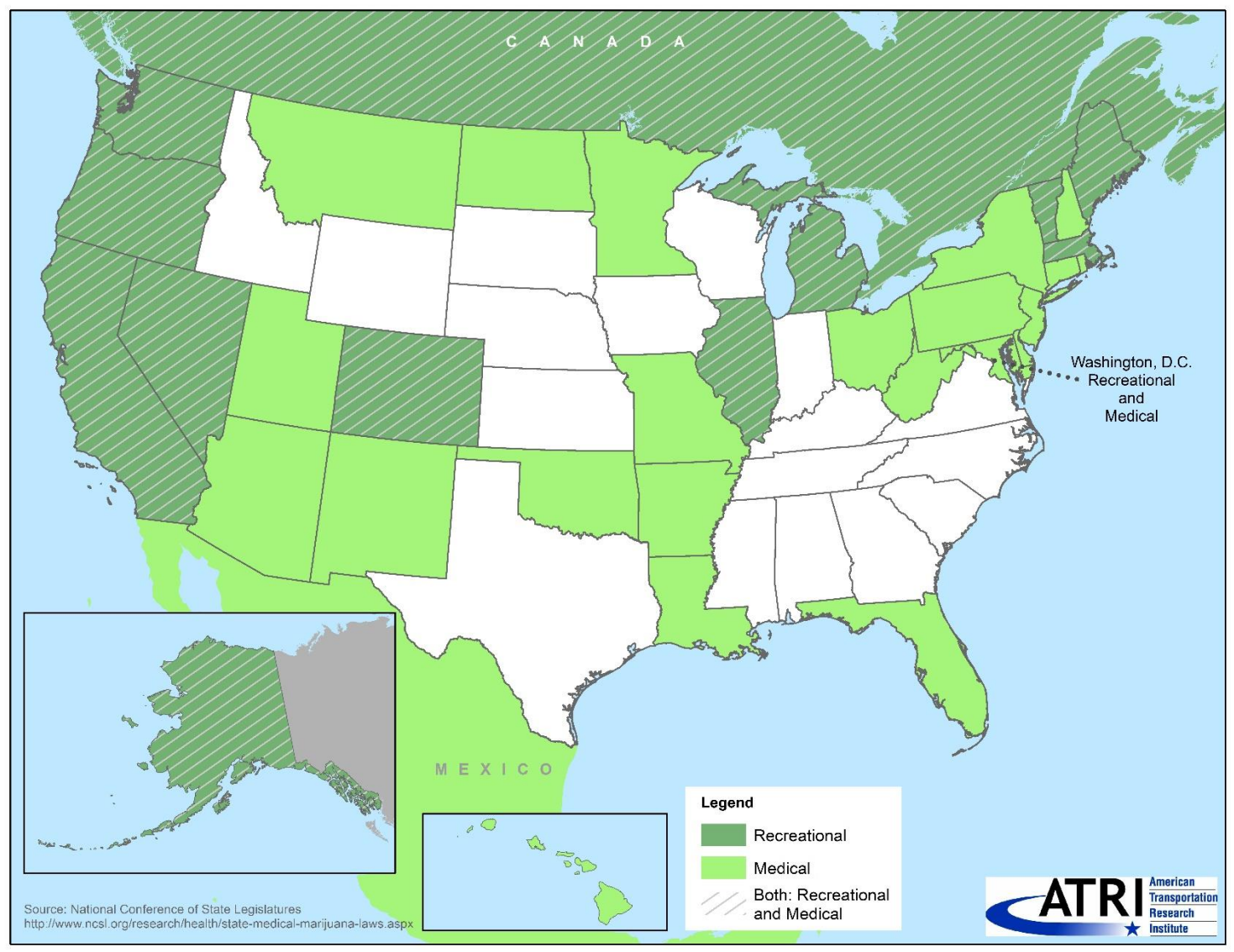
**Marijuana Legalization and Impaired Driving:
Solutions for Protecting our Roadways**

March 2019



Prepared by the American Transportation Research Institute





Marijuana Legalization and Preventing Impaired Driving



Marijuana Legalization and Preventing Impaired Driving

- **Detecting marijuana-impaired driving**
 - ◆ Per se limits
 - ◆ Observed impairment
- **§40 Procedures for Transportation Workplace Drug and Alcohol Testing Programs**
 - ◆ CDL Driver positive drug tests infrequent

Marijuana Legalization and Preventing Impaired Driving

- **Marijuana impairs safety critical functions**
 - ◆ Divided attention
 - ◆ Reaction time
- **Factors complicating identification of impairment:**
 - ◆ Peak impairment differs from peak THC blood content
 - ◆ Low levels of THC in blood do not necessarily indicate recent use
 - ◆ THC deteriorates rapidly in blood

Marijuana Legalization and Preventing Impaired Driving

- **Data Collection**
- **Public Information**
- **Law Enforcement Training**
- **Criminal Justice Training**
- **Funding**

Questions?

Rebecca Brewster

rbrewster@trucking.org

770-432-0628

www.TruckingResearch.org



@Truck_Research

@ATRIPREZ