


TRAFFIC INJURY RESEARCH FOUNDATION



**DWI Dashboard:  
A Tool to Monitor  
Impaired Driving  
Progress**

The knowledge source  
for safe driving

Robyn D. Robertson, M.C.A  
President & CEO  
Traffic Injury Research Foundation  
Lifesavers Conference  
Long Beach, CA, April 5<sup>th</sup>, 2016

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**About TIRF**

- > National, independent road safety research institute
- > Registered charity
- > Funding
- > Staff
- > Scope of activities
- > Emphasis on road users



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**Overview**

- > Traditional performance indicators for DWI.
- > A new approach to measuring progress:
  - » development of tool for states;
  - » indicators included in the tool;
  - » pilot of the automated tool.
- > Next steps.



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### Traditional indicators

- > Few traditional indicators to measure progress in reducing DWI:
  - » alcohol-impaired driving fatalities/injuries
  - » alcohol-impaired driving fatalities per VMT
  - » impaired driving arrests
  - » impaired driving convictions
  - » DWI suspended drivers
- > Indicators tell us whether progress is achieved, but not why or how.



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### Traditional indicators

- > Shrinking budgets, fewer staff, resources.



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- > Progress must be achieved – more efficiently and strategically.

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### Developing the tool

- > Developed model containing comprehensive array of factors that can influence progress.
  - » Based on research, expertise, practice.
- > Model was applied in eight jurisdictions (MN, MS, MT, NY, OK, UT, WA, WV).
- > In each jurisdiction:
  - » review of state data and reports;
  - » phone interviews with DWI agencies;
  - » focus group of key stakeholders.

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### Developing the tool

- > Synthesized state data/experiences.
- > Developed draft tool of key indicators.
- > Reviewed by the DWI Working Group:
  - » address critical DWI system needs;
  - » develop educational primers;
  - » articulate complex program/policy implementation issues
  - » promote system improvements.
- > Reviewed by the 8 states.



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### Indicators in the tool

1. Traditional indicators.
2. Leadership by governments, politicians and agencies.
3. Resources for DWI initiatives:
  - » funds, staff, training, equipment.
4. DWI data collection, availability, accessibility and use in decision-making.
5. Communication/information-sharing within and across agencies and practitioners.



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### Indicators in the tool

6. Staff education, training, experience, turnover.
7. DWI countermeasures:
  - » quality, usage, program measures, level of oversight and participation.
8. Alcohol education/prevention efforts:
  - » young persons, attitudes (urban/rural).
9. Environmental/contextual issues:
  - » alcohol ordinances, colleges, Tribal lands, transportation options.
10. Total cost of DWI to offenders.

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## DWI Dashboard

- > Two tiers of questions:
  - » Is there a problem?
  - » Where and why?
- > Users:
  - » highway safety offices
  - » driver licensing
  - » law enforcement
  - » prosecution/courts
  - » corrections/probation
  - » assessment/treatment
  - » grassroots/advocacy



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## Automating the tool

- > Important that the Dashboard is usable and efficient.
- > Automation provides several benefits.
  - » Ease of use, sharing, data management, comparisons year to year.
- > Several tools to support automation considered:
  - » Conformat; Survey Monkey, Django, Surveygizmo.



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## Automating the tool

- > Selected Surveygizmo because it was an advanced (but easy to use) online survey software tool.
- > Key features included:
  - » strong customer service
  - » unlimited questions
  - » rating scales
  - » radio buttons for multiple choice
  - » instructions inserted with drop-down menus
  - » email campaigns and follow up
  - » custom scripting, data cleaning and analysis tools
  - » branding and styling features

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## Sections

### SECTION A: TRADITIONAL INDICATORS

Please enter state impaired driving data:

	2009	2010	2011	2012	2013	2014
Total number of deaths due to impaired driving	930	903	888	901	866	
Impaired driving fatality rate per 100K population	8	7.7	7.5	7.6	7.4	
Impaired driving fatality rate per 100 million VMT	0.08					
Number of DWI arrests	1					
% of DWI arrests compared to total number of arrests						

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## Sections

### SECTION B: LEADERSHIP (TIER I)

1. Does the state have a DWI Task Force?  
 A DWI Task Force or committee is comprised of important stakeholders including: highway safety office, law enforcement, prosecutors, courts, community corrections, treatment, driver licensing, education and grassroots organizations, alcohol enforcement, and rural representation.

It is led by a state professional who is in a paid position and is passionate about the issue (i.e., someone who can coordinate and run meetings). The task force meets at least twice per year and can conduct meetings in a neutral environment.

Yes  
 Yes, but it does not meet all of the definition criteria  
 No  
 Do not know

Comments

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## Sections

### SECTION D: DATA COLLECTION (TIER I)

1. Are there agencies in the DWI system that collect little or no data?  
 Yes  No  Do not know

2. Which of the following terms best describes data collection practices in the DWI system in your state in the past ten years?  
 paper-based data system  legacy automated data system  modern automated data system  Do not know

3. What types of DWI data are generally collected at a state level? Check all that apply.  
 crash  arrest  court processes  DWI recidivism  treatment outcomes  Do not know

4. Can DWI data be analyzed at a state level according to the following characteristics? Check all that apply.  
 BAC level  age  sex  first vs. repeat offenders  polysubstance use  Do not know

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## Sections

SECTION G: DWI COUNTERMEASURES (TIER I)

DWI COURTS

1. Are DWI or hybrid courts in your state available and accessible to high-BAC and repeat DWI offenders?

Yes  Yes, but to other offender types  No  Do not know

2. Do the DWI courts in your state adhere to the National Center for DWI Courts' (NCDC) 10 Guiding Principles? \* [www.ncdwc.org/publications/ncdc-10-guiding-principles](http://www.ncdwc.org/publications/ncdc-10-guiding-principles)

Yes  No  Do not know

ALCOHOL INTERLOCK PROGRAM

3. Are you able to quantify the participation rate of your state's interlock program?

Yes  No  Do not know

4. Has the interlock program participation rate increased in the last five years?

Yes  No  Do not know

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## Sections

SUBSTANCE ABUSE TREATMENT

10. Please estimate what percentage of DWI offenders complete remedial impaired driving programs for either alcohol education or substance abuse treatment to become re-licensed?

Do not know

11. Please estimate what percentage of DWI offenders complete court-mandated treatment?

Do not know

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## Sections

SECTION H: EDUCATION & PREVENTION (TIER I)

1. What is the prevailing cultural attitude towards impaired driving behavior in your state?

unacceptable somewhat unacceptable indifferent somewhat acceptable acceptable

In urban jurisdictions:

In rural jurisdictions:

2. Is impaired driving messaging (other than Federally required NHTSA campaigns) available at the following levels? Check all that apply.

community/municipal  county  statewide

3. How frequently is impaired driving public education delivered? Please indicate frequency in both rows.

a.  monthly  quarterly  annually

b.  during peak periods (i.e., summer)  during holidays (i.e., Christmas)

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## Tier I versus Tier II

SECTION H: EDUCATION & PREVENTION (TIER I)

1. What is the prevailing cultural attitude towards impaired driving behavior in your state?

unacceptable    somewhat unacceptable    indifferent    somewhat acceptable    acceptable

In urban jurisdictions:

In rural jurisdictions:

SECTION H: EDUCATION & PREVENTION (TIER II)

5. Indicate which of the following agencies are responsible for delivering impaired driving public education.

Highway Safety Office     Media groups     Law Enforcement     Educational/advocacy organizations     Other

7. Identify what approach most closely resembles the approach in your state to delivering impaired driving messages.

fact-based/straight     humor     factual/informative     emotional

8. Identify the top most common themes for impaired driving messages in your state.

don't drink and drive     effects of alcohol on driving     risks associated with drunk driving     alternative behaviors

consequences of drunk driving     Other

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## Benefits of tool

- > Identify gaps and effective ways to prioritize and address them.
- > Opportunity to be pro-active instead of reactive.
- > Build partnerships across agencies/sectors.
- > States collect own data to track progress, trends, and support strategic initiatives.
- > Facilitates comparisons of key features of DWI system.



TIER I

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## Next steps

- > Production of two, complementary strategic guides to augment Dashboard.
- > Strategies to address gaps identified by Dashboard:
  - » steps for successful new implementation
  - » methods to enhance existing practices
  - » list of agencies/practitioners to support strategy
  - » list of types of resources needed
  - » contextual caveats and considerations
  - » examples, templates and models.
- > Strategies to build community partnerships with mental/health, education, housing, employment.

TIER I

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### Next steps

- > Acknowledgments.
- > Completion of pilot test of automated tool by end of 2016.
- > Roll out two strategic guides by end of 2016.
- > Dissemination plan underway.
- > Development/automation of DWI Dashboard were made possible by a charitable contribution from



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### Stay informed. Connect with us!

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