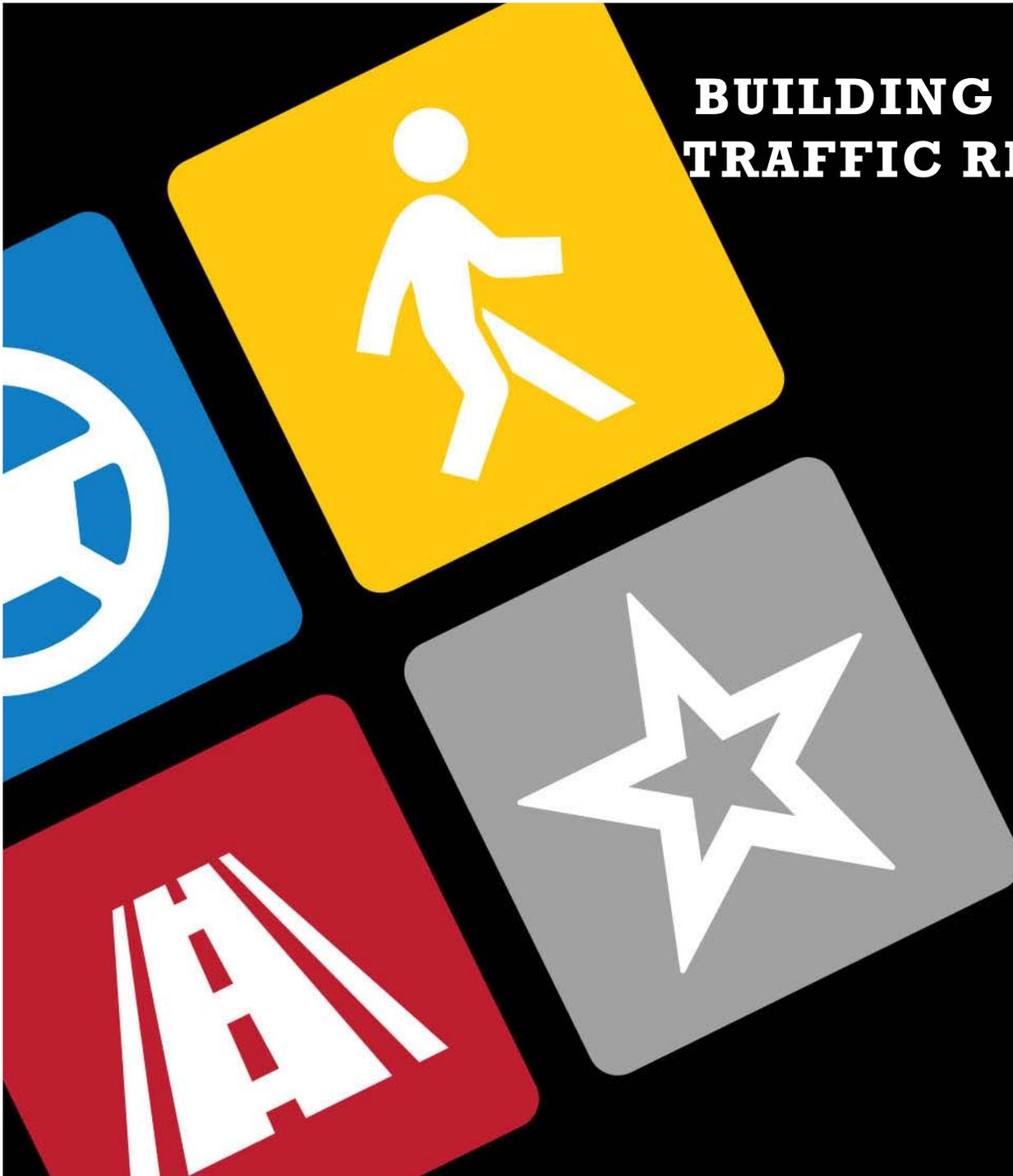


BUILDING A BETTER STATE TRAFFIC RECORDS SYSTEM

PA Traffic Safety Symposium
August 29, 2016

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Program Analyst

NHTSA
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION





BETTER DATA makes **BETTER DECISIONS** possible.



TRAFFIC RECORDS SYSTEMS



CRASH



DRIVER



VEHICLE



ROADWAY



**CITATION/
ADJUDICATION**



**INJURY
SURVEILLANCE**

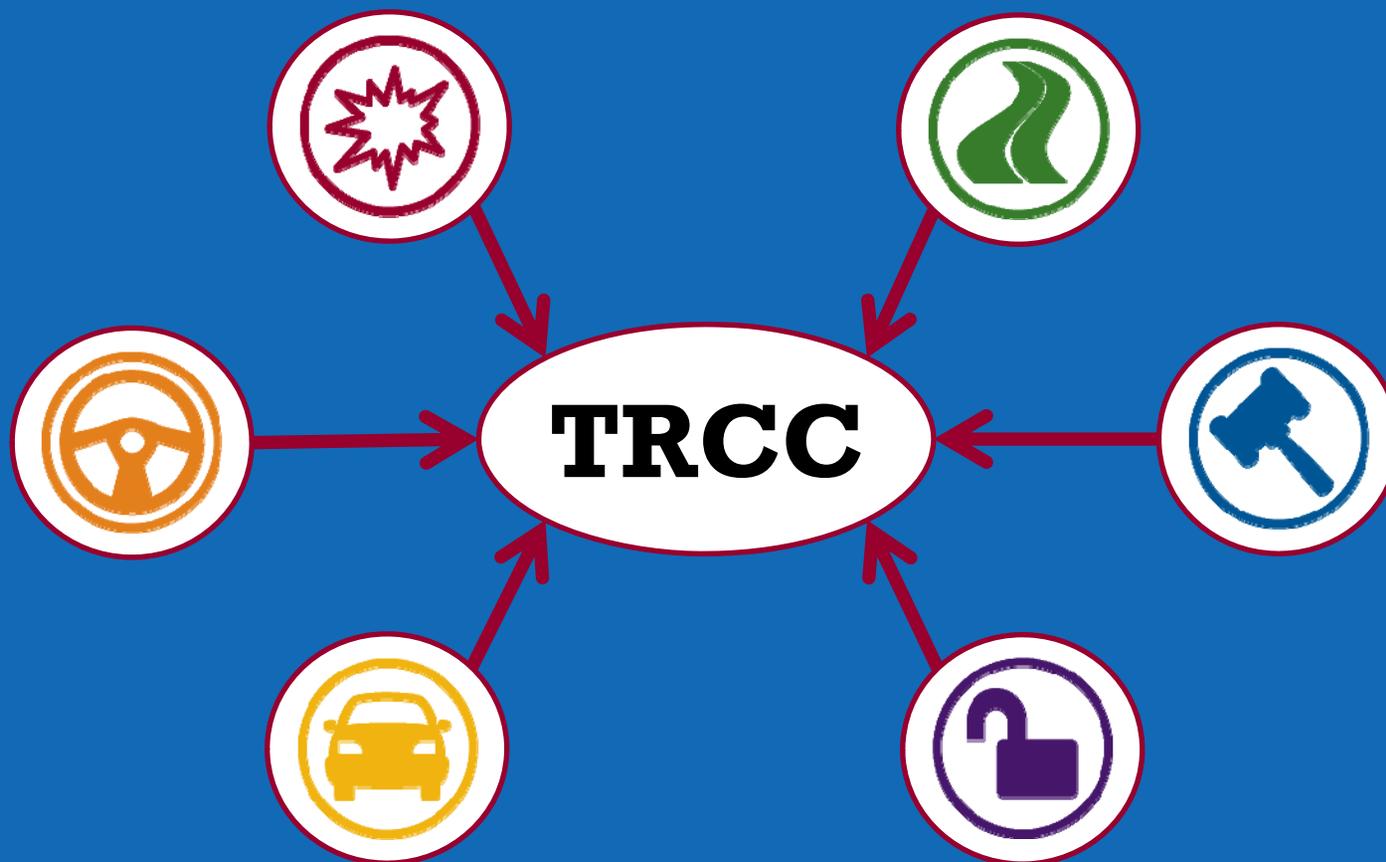
**Data Use &
Integration**

**Strategic
Planning**

**TRCC
Management**



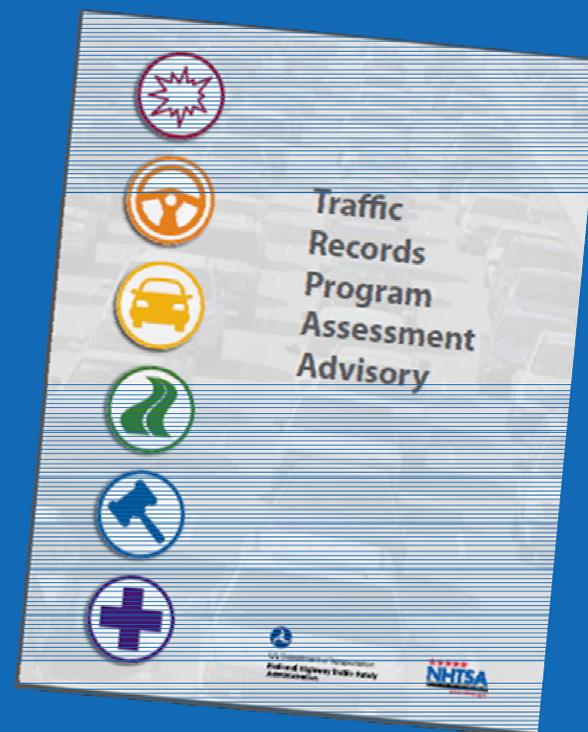
IMPORTANCE OF TRCCs





TRAFFIC RECORDS ASSESSMENTS

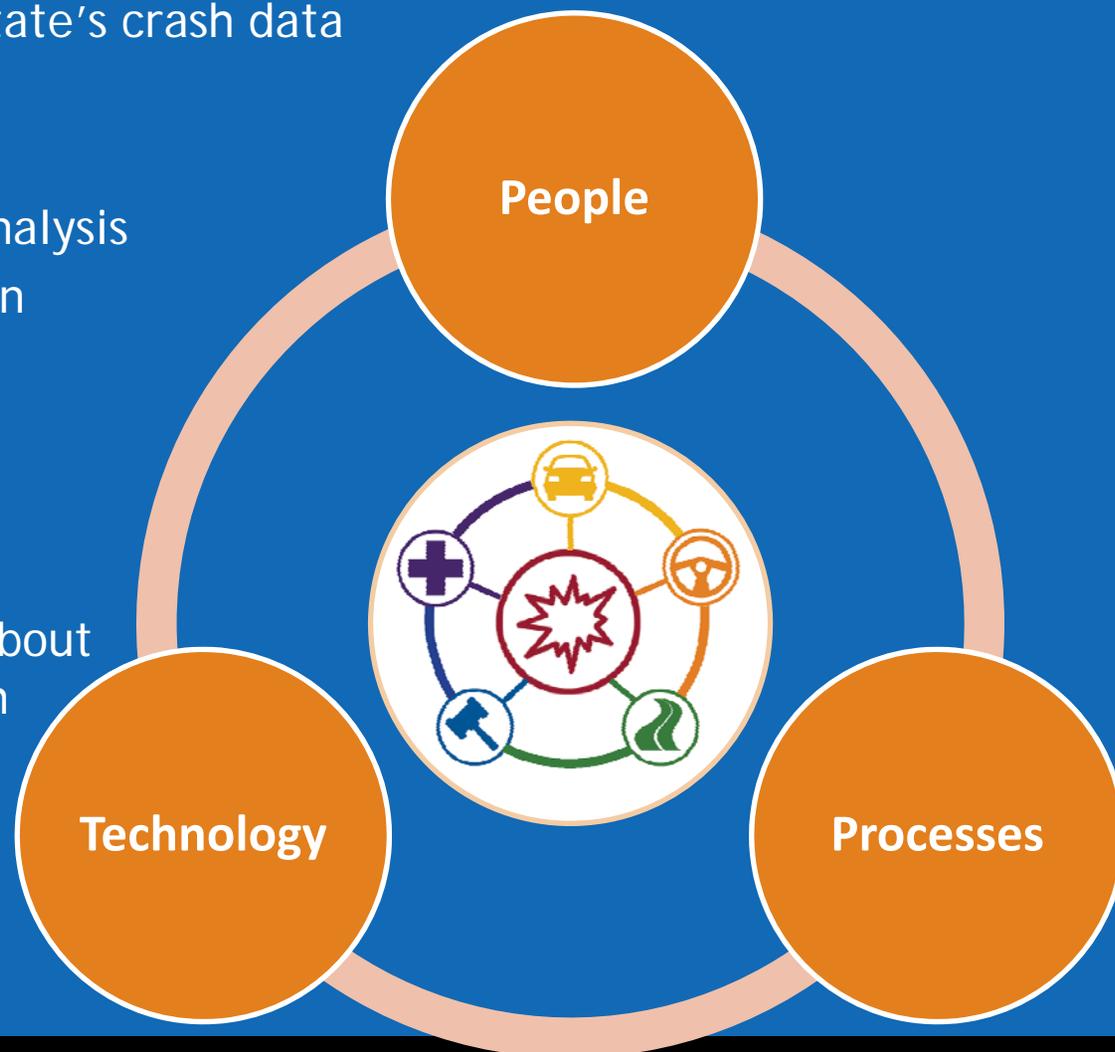
- Comprehensive, uniform performance evaluation
 - All six core data systems
 - Plus data integration, strategic planning, & TRCC management
- Questions & methodology developed with:
 - OMB Program Assessment Rating Tool
 - SMEs from GHSA, ATSIP, et. al.
- Key Benefits
 - NHTSA covers costs
 - Uniform question set
 - Data collection & analysis online
 - Doubles the # of assessors
 - High-level recommendations & detailed “considerations”
 - Archives answers & evidence for next time





CRASH DATA IMPROVEMENT PROGRAM (CDIP)

- A deep examination of a State's crash data
- CDIP provides:
 - Thorough crash data analysis
 - Challenge identification
 - Performance measures
 - Onsite data workshop
 - Full MMUCC mapping
- Great for States thinking about updating their PAR or crash system





GO TEAMS

Rapid-response technical assistance teams help address State-identified challenges. Tailored teams provide external expertise that enables States to develop and deploy improvement plans across all traffic records disciplines.

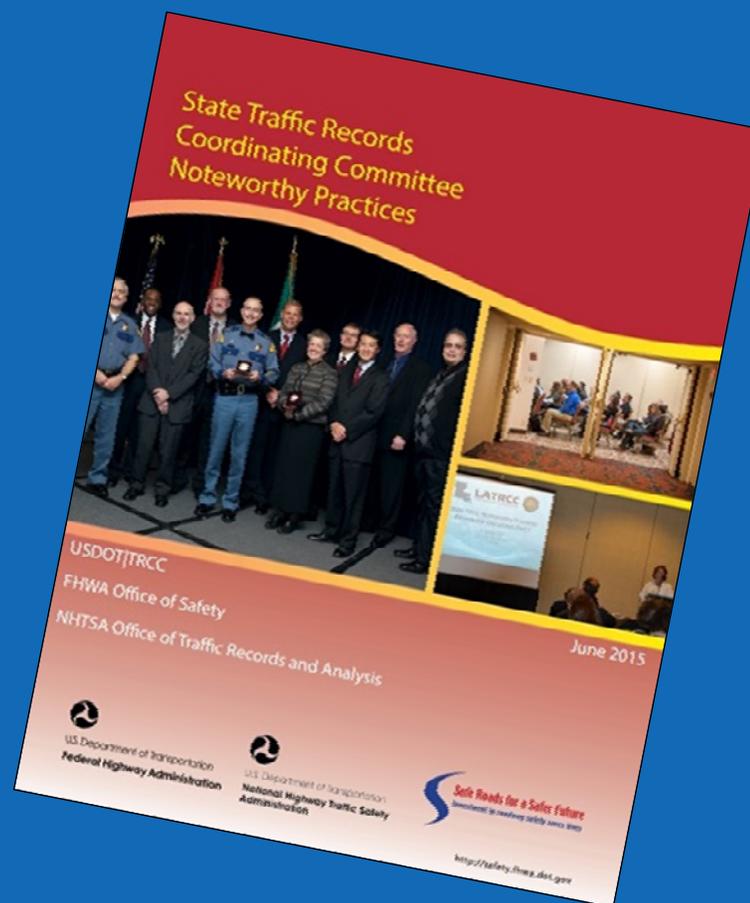
NHTSA has deployed 30 teams, and the program will be well funded in FY17.

- Colorado - **COMPLETE**
Assist with investigation of crash data system stability.
- New Mexico - **COMPLETE**
Assist in building an effective TRCC and strategic plan.
- New Jersey, Minnesota, Texas, Utah & Rhode Island - **COMPLETE**
Full mapping assessment of State crash report and database against MMUCC 4th Edition.
- Arkansas - **In Progress**
Assist with development of new TRCC Strategic Plan.
- Connecticut - **In Progress**
Assist in identifying needs for rebuilding the State's Trauma Registry.
- Florida - **In Progress**
Facilitate multi-agency dialogue to map out all State databases and relationships.



STANDARDS & NOTEWORTHY PRACTICES

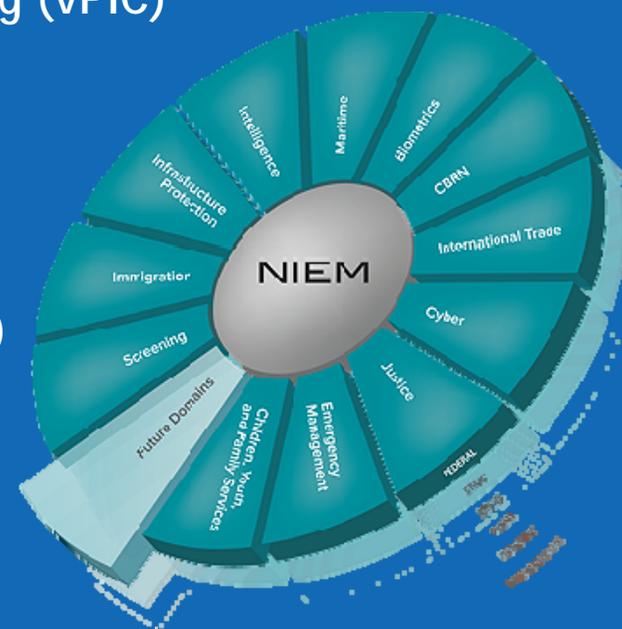
- Model Minimum Uniform Crash Criteria (MMUCC)
 - Mappings
 - MMUCC 5th Edition update w/ GHSA
- Model Performance Measures for State Traffic Records Systems
 - Adaptable methodologies
- ANSI D.16
 - Update w/ATSIP
- State TRCC Noteworthy Practices
 - Case Studies
- State TRCC Strategic Planning
 - Forthcoming





NEW TECHNOLOGY, NEW PROGRAMS

- Data Modernization
 - Crash Report Sampling System (CRSS)
 - Crash Investigation Sampling System (CISS)
- Product Information Catalog & Vehicle Listing (vPIC)
- National Information Exchange Model (NIEM) Surface Transportation Subdomain
- State-to-State Driver License Exchange (S2S)



NHTSA

THANK YOU!



QUESTIONS?

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Improving Safety Through Traffic Records and Technology

Robert Ranieri, PennDOT



PA
SAFETY
SYMPOSIUM
toward zero deaths

Safety Formula

Crash Data + Other System Data + Analysis
Tools + Analysis Staff + the Ability to Share Data
+ Safety Programs =

Safety

- Reduce Fatalities
- Reduce Major Injuries
- Reduce Crashes



PA Traffic Records Coordinating Committee

- PennDOT – **Crash, Driver, Vehicle, Roadway**, GHSO, Highway Safety, IT Office, District
- **AOPC**
- **Dept of Health – EMS, Health Promotion/Risk**
- PA Trauma Foundation
- PSP – Patrol, IT
- Local Police – Chiefs of Police, FOP
- District Magistrate
- NHTSA/Federal Highway Admin



Traffic Records – Definition of Improvement

	Timeliness	Accuracy	Completeness	Uniformity	Integration	Accessibility
Crash						
Vehicle						
Driver						
Roadway						
Cit/Adj						
EMS/Inj Surveillance						

PA Traffic Records Coordinating Committee

- FFY17 – Projects
 - Convert Philadelphia PD to electronic reporting
 - Crash Law Enforcement Liaison Program
 - Continue Development of PCIT (Pennsylvania Crash Information Tool)
 - *DL State to State initiative*
 - *Add Traffic Counter Locations*
 - *Develop Traffic Records Integration Plan*



Assessment, GO Team & CDIP

- PA Traffic Records Assessment –
 - Aug-Nov 2015
- Go Team: Analysis for Integration
 - Oct-Dec 2012
- CDIP
 - Sep-Oct 2013



Improving Timeliness, Quality, & Completeness

- Continual improvements to the Crash Reporting System/Program
 - Ease of use, validation rules
- Goal of 100% Electronic
 - #1 reason for data improvement
 - Philadelphia



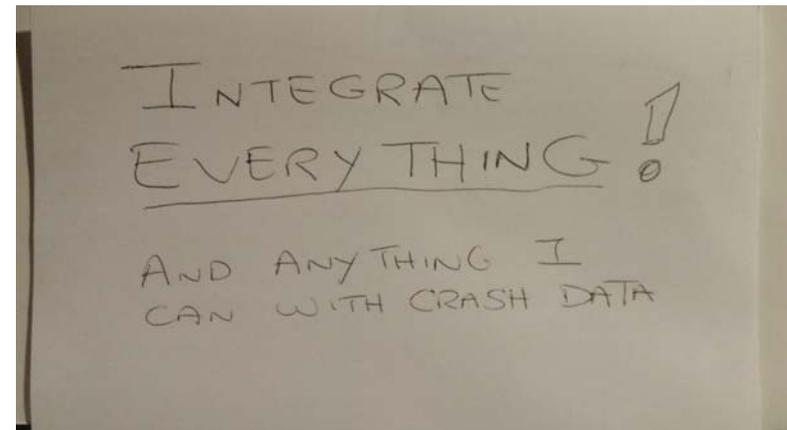
Improved Uniformity (Crash “Form”)

- January 1, 2016
 - Standardized Injury Severity Definitions (MMUCC)
- January 1, 2018
 - Police input, Safety input, new laws, MMUCC
 - Main items to be improved:
 - Autocycle
 - Child Safety Seats
 - EMS Transport
 - DUI-D
 - Vehicle Automation



Data Integration Plan Development

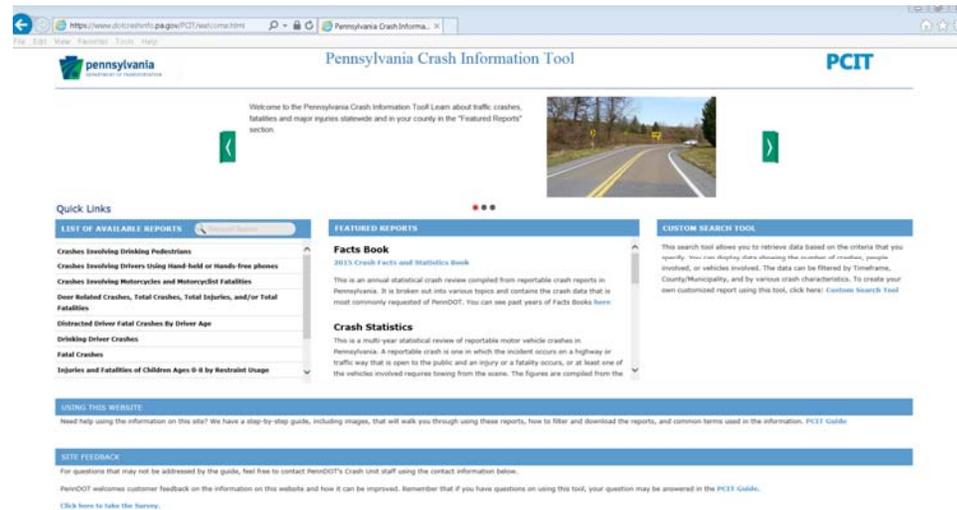
- Go Team
- Planned: 2017
- Considerations:
 - Technical interfaces
 - Barriers
 - Risks
 - Opportunities
 - Benefits



Accessibility of Data

- Our technologies:

– PCIT



– GIS Data Portal

– Penn Share

– Acquisition of a Visual Display Tool with Highway Safety Manual capabilities



Safety Formula

Crash Data + Other System Data + Analysis Tools + Analysis Staff + the Ability to Share Data + Safety Programs =

Safety

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- Reduce Crashes



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