

Understanding Your State's Data Quality Resources and Reports

CVSA Annual Workshop Information Systems Users Workshop April 7, 2014



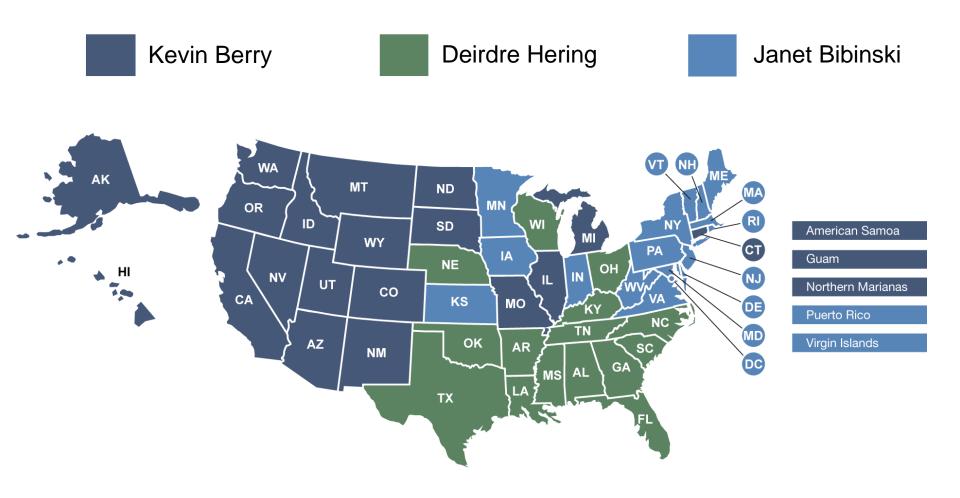


Overview

- Meet your Data Quality (DQ) Specialists
- Navigate the DQ Website
 - When to monitor State Safety Data Quality (SSDQ) results
 - How to interpret reports
- Learn about other resources on the A&I Website
 - Crash Statistics
 - SAFETYNET Best Practices



Meet Your DQ Specialist



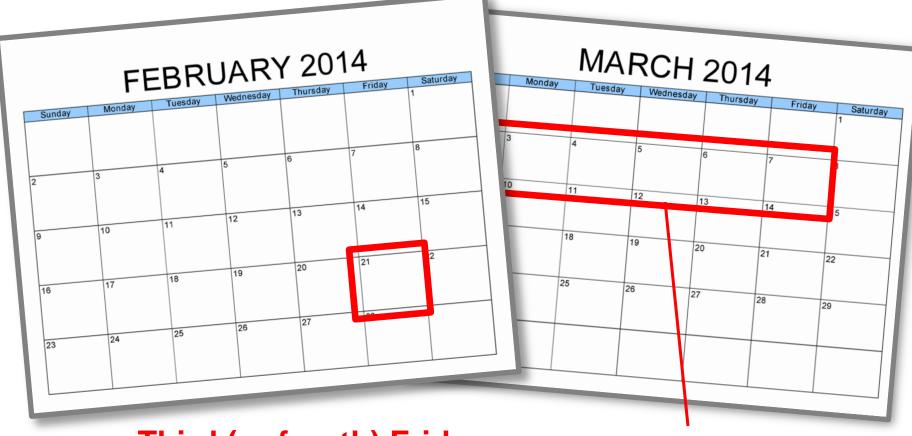
THE DQ WEBSITE



Review the SSDQ Results Every Month

MCMIS Snapshot Taken

Results Available for You



Third (or fourth) Friday

SSDO State Safety Data Quality Program About 10 days after snapshot

What "Rolling 12 Months" Means

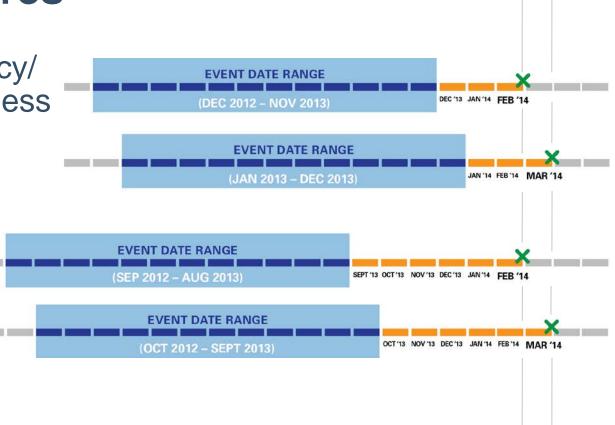
SSDQ Measures

Timeliness/Accuracy/ Record Completeness

Excludes the most recent 3 months

Non-Fatal Crash Completeness (NFCC)

Excludes the most recent 6 months



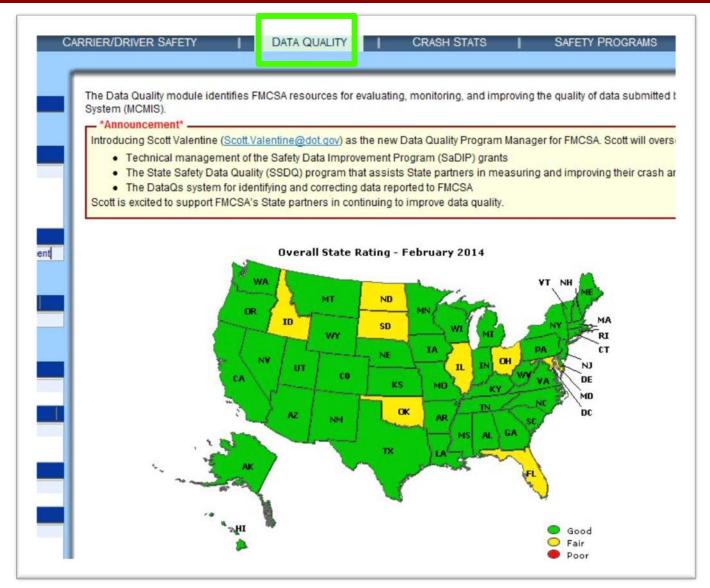


Where to Find the SSDQ Results: A&I



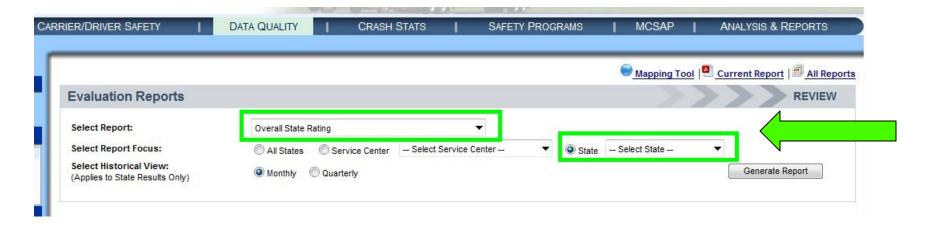


Where to Find the SSDQ Results: DQ Website



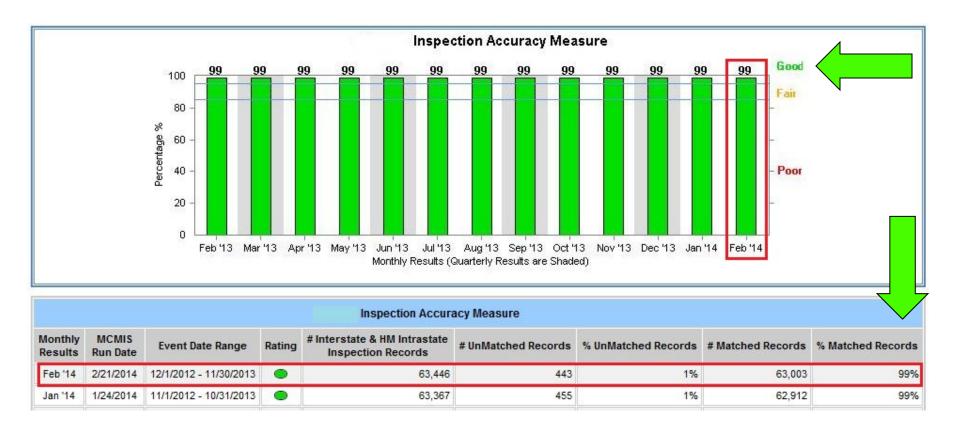
Where to Find the SSDQ Results: Evaluation Reports

Select State and Measure Report





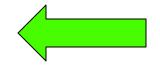
How to Read a Measure Report





State Data Analysis by Measure Report





SSDQ Measure	Analysis Reports				
Oh Dd Ol-t	Complete Record Analysis				
Crash Record Completeness	Monthly Analysis 🚡				
T	Monthly Analysis 🚡				
Crash Timeliness	Frequency of Record Uploads to MCMIS				
Crash Accuracy	Records Reported by Agency and Badge #				
	Monthly Analysis 🚡				
In a no ation. Time of in a co	Records Reported by Inspector ID				
Inspection Timeliness	Records Reported by Facility Type and Inspection Level				

Coming Soon: Inspection Non-Match Report

Provides supporting details to help you match carriers to inspections

Based on SSDQ snapshots

- Report Number
- Inspection Date
- Inspection Start Time
- Inspection End Time
- SI Code
- Carrier Type
- Hazmat Placard
- USDOT Number
- Carrier Name
- Carrier Address



Coming Soon: Crash Non-Match Report

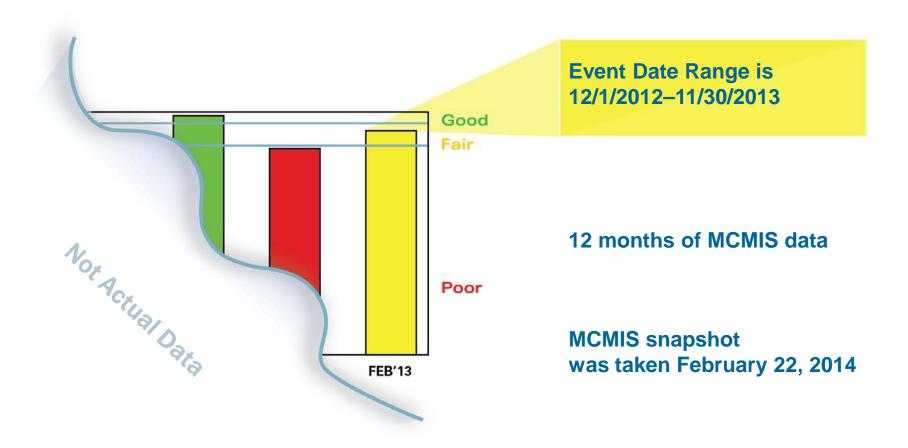
Provides supporting details to help you match carriers to crashes

Based on SSDQ snapshots

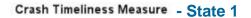
- Report Number
- Report Date
- Report Time
- Sequence Number
- Agency
- Officer Badge
- Carrier Type
- Hazmat Placard
- USDOT Number
- Carrier Name
- Carrier Address

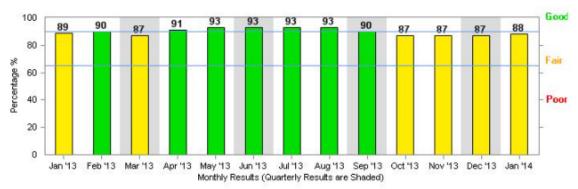


What Is Included in the Event Date Range?

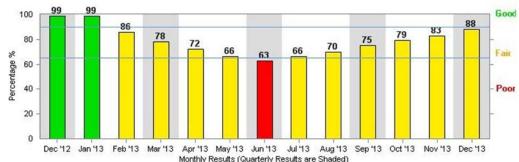


Watch for Changes and Respond Quickly

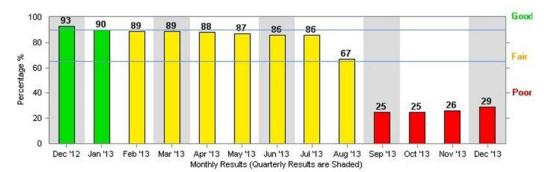




Crash Timeliness Measure - State 2

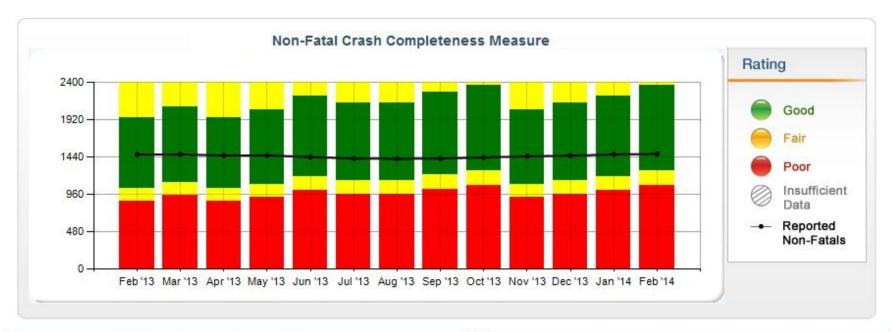


Crash Timeliness Measure - State 3





How to Read the NFCC Measure Report



Non-Fatal Crash Completeness Measure									
Monthly Results	Rating	Reported MCMIS Records		Rating Ranges					
				Under Reporting		Good	Over Reporting		
			Fatal	Non-Fatal	Poor*	Fair		Fair	
Feb '14	-	53	1,478	< 1,069	1,069 - 1,256	1,257 - 2,365	> 2,365		
Jan '14	•	50	1,473	< 1,004	1,004 - 1,180	1,181 - 2,225	> 2,225		

Input & Date Details							
Non-Fatal Crash Completeness Base Rating	FCC Measure Override?	Rating	MCMIS Run Date	Event Date Range			
Good	No	-	02/21/2014	09/01/2012 - 08/31/2013			
Good	No		01/24/2014	08/01/2012 - 07/31/2013			



OTHER RESOURCES ON A&I



Crash Statistics - Crash Stats Module

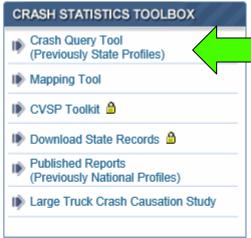


Crash Statistics – Crash Query Tool

Welcome to Analysis & Information - Crash Statistics

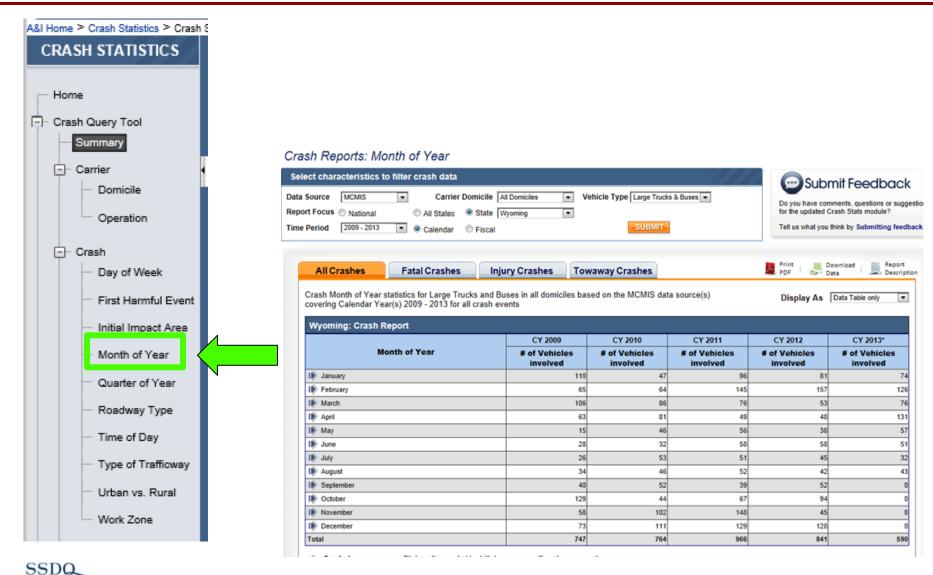
Crash Statistics are summarized statistics for large trucks and buses involved in fatal and non-fatal crashes that occurred in the United States and territories. More info... >>



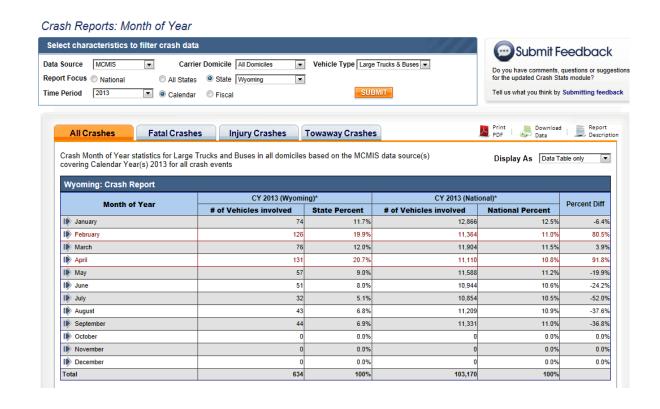


WHAT'S NEW Enhanced Crash Statistics: Read all about it... Website updated on: February 3, 2014 MCMIS crash data current as of: January 24, 2014 FARS crash data as of: 2012

Crash Reports Show Trends Over Time

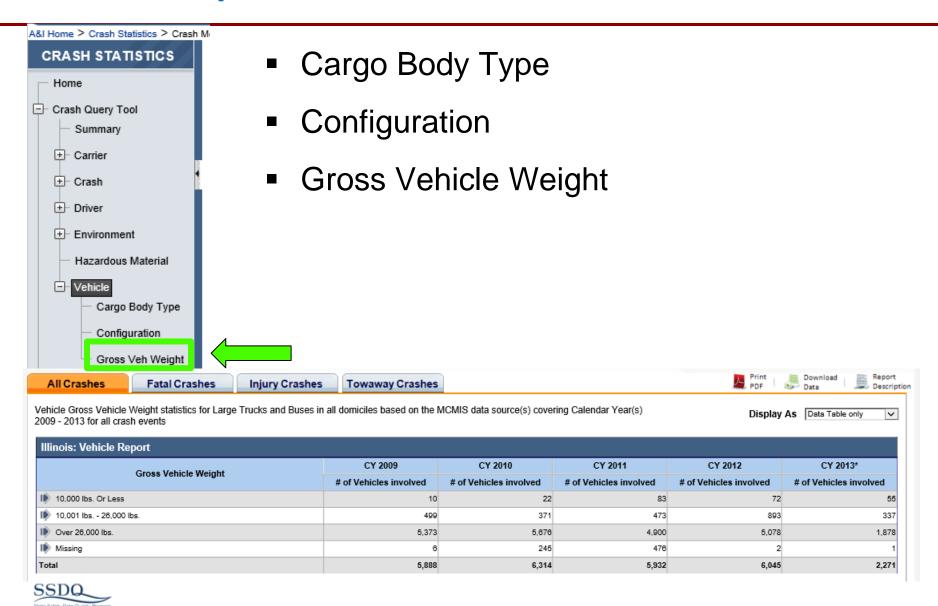


Analyze by Year and Compare to National Average

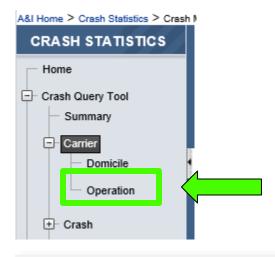


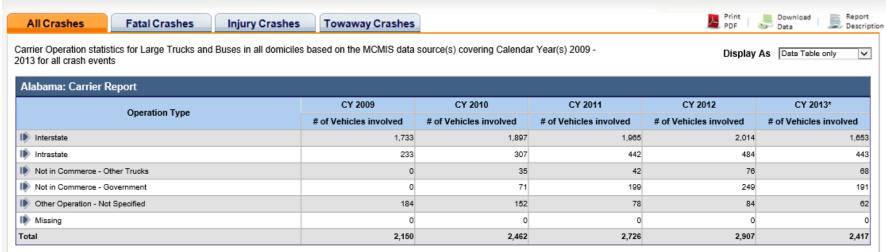


Vehicle Reports



Carrier Operation Reports







SAFETYNET RESOURCES



SAFETYNET Best Practices



- Review activity logs
 - Fix fatal errors
 - Understand warnings
- Use MCMIS upload stats
- Download census files
- Employ daily checklists

SAFETYNET Data Quality Report

- Tool for improving some measures
- Automatically runs queries on
 - Timeliness
 - Record Completeness
 - Duplicates
- Can help you:
 - Fix SAFETYNET data before uploading to MCMIS
 - Identify SAFETYNET records that need correction and re-upload
- See the Job Aid for instructions



DQ Specialists

- Contact your DQ Specialist for help with evaluating, monitoring, and improving your State's data quality:
 - Kevin Berry (617) 494-2857 Kevin.Berry@dot.gov
 - Janet Bibinski

 (617) 494-2308

 Janet.Bibinski.ctr@dot.gov
 - Deirdre Hering

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