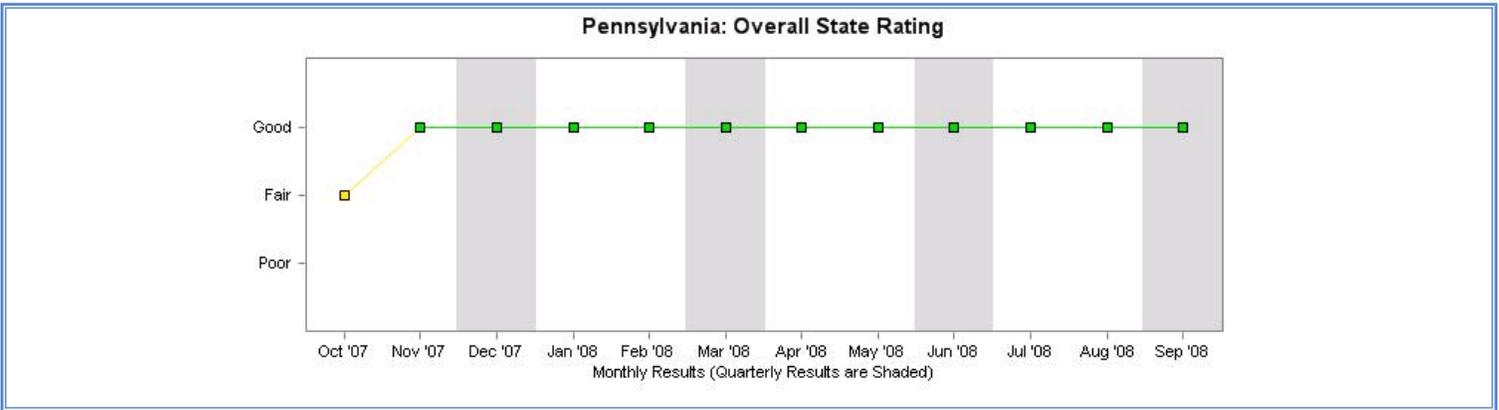


Pennsylvania: Overall State Rating Report

Monthly Results as of : September 26, 2008

Considers all seven SSDQ measures and the Overriding Indicator, except measures with a rating of "Insufficient Data." States receive an overall score based on ratings in each of the measures and the Overriding Indicator. [\(View Methodology\)](#)



Pennsylvania: Overall State Rating											
Monthly Results	MCMIS Run Date	Overall State Rating	State Data Quality Measures							Overriding Indicator *	
			Crash					Inspection		Crash Consistency	
			Crash Record Completeness	Non-Fatal Crash Completeness	Fatal Crash Completeness	Crash Timeliness	Crash Accuracy	Inspection Timeliness	Inspection Accuracy		
Sep '08	9/26/2008	G	Y	G	G	G	G	G	G	No Flag	
Aug '08	8/22/2008	G	Y	G	G	G	G	G	G	No Flag	
Jul '08	7/25/2008	G	Y	G	G	G	G	G	G	No Flag	
Jun '08	6/20/2008	G	Y	G	G	G	G	G	G	No Flag	
May '08	5/23/2008	G	Y	G	G	G	G	G	G	No Flag	
Apr '08	4/25/2008	G	Y	G	G	Y	G	G	G	No Flag	
Mar '08	3/28/2008	G	Y	G	G	Y	G	G	G	No Flag	
Feb '08	2/22/2008	G	Y	G	G	Y	G	G	G	No Flag	
Jan '08	1/25/2008	G	Y	G	G	G	G	G	G	No Flag	
Dec '07	12/21/2007	G	Y	G	G	Y	G	G	G	No Flag	
Nov '07	11/30/2007	G	Y	G	G	Y	G	G	G	No Flag	
Oct '07	10/26/2007	Y	Y	G	G	Y	R	Y	G	No Flag	

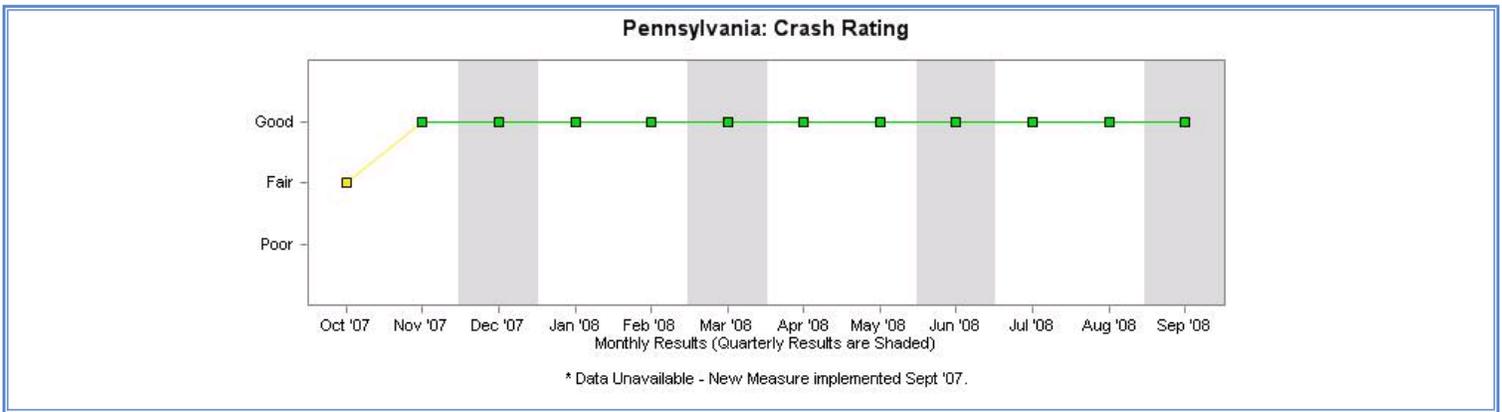
Overall State Rating Description		
Rating		Criteria
Good	G	Minimum of 1 Good AND 0 Poor
Fair	Y	Maximum of 1 Poor
Poor	R	2+ Poor OR Red Flagged

* States that are red flagged are automatically rated POOR overall.
 N/A: Data Not Available- New Measure implemented Sept '07.

Data Source: FARS records and MCMIS crash and inspection records.

Pennsylvania: Crash Rating Report
Monthly Results as of : September 26, 2008

Considers the five SSDQ crash measures and the Overriding Indicator, except measures with a rating of "Insufficient Data." States receive an overall score based on ratings in each of the crash measures and the Overriding Indicator. ([View Methodology](#))



Pennsylvania: Crash Rating								
Monthly Results	MCMIS Run Date	Crash Rating	State Data Quality Crash Measures					Overriding Indicator *
			Crash Record Completeness	Non-Fatal Crash Completeness	Fatal Crash Completeness	Crash Timeliness	Crash Accuracy	Crash Consistency
Sep '08	9/26/2008	G	Y	G	G	G	G	No Flag
Aug '08	8/22/2008	G	Y	G	G	G	G	No Flag
Jul '08	7/25/2008	G	Y	G	G	G	G	No Flag
Jun '08	6/20/2008	G	Y	G	G	G	G	No Flag
May '08	5/23/2008	G	Y	G	G	G	G	No Flag
Apr '08	4/25/2008	G	Y	G	G	Y	G	No Flag
Mar '08	3/28/2008	G	Y	G	G	Y	G	No Flag
Feb '08	2/22/2008	G	Y	G	G	Y	G	No Flag
Jan '08	1/25/2008	G	Y	G	G	G	G	No Flag
Dec '07	12/21/2007	G	Y	G	G	Y	G	No Flag
Nov '07	11/30/2007	G	Y	G	G	Y	G	No Flag
Oct '07	10/26/2007	Y	Y	G	G	Y	R	No Flag

Rating Criteria		
Rating		Criteria
Good	G	Minimum of 1 Good AND 0 Poor
Fair	Y	Maximum of 1 Poor
Poor	R	2+ Poor OR Red Flagged

* States that are red flagged are automatically rated POOR overall.

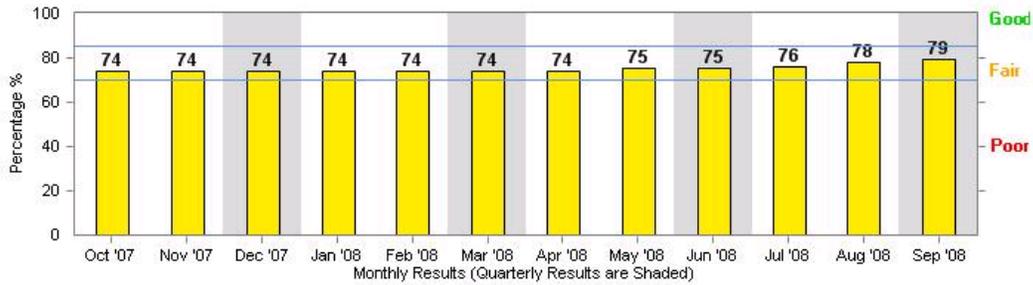
Data Source: FARS records and MCMIS crash records.

Pennsylvania: Crash Record Completeness Measure Report

Monthly Results as of : September 26, 2008

Determines a rating based on the completeness of driver and vehicle crash data reported to FMCSA. ([View Methodology](#)) The completeness of the driver data is determined by the [Driver Identification Completeness Evaluation](#) and the completeness of the vehicle data is determined by the [Vehicle Identification Completeness Evaluation](#).

Pennsylvania: Crash Record Completeness Measure



* Data Unavailable - New Measure implemented Sept '07.

Pennsylvania: Crash Record Completeness Measure

[Download Data](#)

Monthly Results	MCMIS Run Date	Event Date Range	Rating	Driver Identification Completeness Evaluation	Vehicle Identification Completeness Evaluation	Crash Record Completeness
Sep '08	9/26/2008	7/1/2007 - 6/30/2008	Y	68%	90%	79%
Aug '08	8/22/2008	6/1/2007 - 5/31/2008	Y	66%	89%	78%
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	Y	63%	89%	76%
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	Y	61%	89%	75%
May '08	5/23/2008	3/1/2007 - 2/29/2008	Y	60%	89%	75%
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	Y	59%	89%	74%
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	Y	59%	89%	74%
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	Y	59%	89%	74%
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	Y	58%	89%	74%
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	Y	59%	89%	74%
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	Y	58%	89%	74%
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	Y	58%	90%	74%

Driver Identification Completeness

Monthly Results	MCMIS Run Date	Crash Records Evaluated	Records with Complete Driver Information		# Records with Driver Information				
			# Records	% Records	License Number	Date of Birth	First Name	Last Name	License Class
Sep '08	9/26/2008	7,348	5,012	68%	7,268	6,931	7,270	7,272	5,026
Aug '08	8/22/2008	7,355	4,820	66%	7,260	6,930	7,261	7,264	4,834
Jul '08	7/25/2008	7,568	4,803	63%	7,453	7,125	7,453	7,457	4,816
Jun '08	6/20/2008	7,573	4,590	61%	7,450	7,115	7,449	7,454	4,603
May '08	5/23/2008	7,786	4,682	60%	7,647	7,305	7,645	7,652	4,695
Apr '08	4/25/2008	7,771	4,621	59%	7,604	7,258	7,604	7,611	4,636
Mar '08	3/28/2008	7,894	4,642	59%	7,715	7,373	7,714	7,720	4,658
Feb '08	2/22/2008	7,610	4,453	59%	7,417	7,137	7,416	7,422	4,468
Jan '08	1/25/2008	7,487	4,356	58%	7,285	7,016	7,282	7,289	4,372
Dec '07	12/21/2007	7,517	4,400	59%	7,314	7,052	7,311	7,318	4,416
Nov '07	11/30/2007	7,528	4,397	58%	7,328	7,077	7,325	7,332	4,410
Oct '07	10/26/2007	7,531	4,376	58%	7,342	7,103	7,340	7,348	4,388

Vehicle Identification Completeness

Monthly Results	MCMIS Run Date	Crash Records Evaluated	Records with Complete Vehicle Information		# Records with Vehicle Information				
			# Records	% Records	Vehicle Identification #	License Plate #	Vehicle Configuration	Cargo Body Type	GVWR
Sep '08	9/26/2008	7,348	6,585	90%	6,901	7,321	6,970	7,345	7,348
Aug '08	8/22/2008	7,355	6,549	89%	6,890	7,334	6,945	7,351	7,355
Jul '08	7/25/2008	7,568	6,732	89%	7,098	7,544	7,136	7,564	7,568
Jun '08	6/20/2008	7,573	6,739	89%	7,106	7,550	7,143	7,568	7,573
May '08	5/23/2008	7,786	6,929	89%	7,307	7,763	7,341	7,781	7,786
Apr '08	4/25/2008	7,771	6,902	89%	7,271	7,746	7,335	7,765	7,771
Mar '08	3/28/2008	7,894	6,999	89%	7,372	7,867	7,452	7,888	7,894
Feb '08	2/22/2008	7,610	6,781	89%	7,145	7,584	7,191	7,606	7,610
Jan '08	1/25/2008	7,487	6,662	89%	7,014	7,464	7,075	7,483	7,487
Dec '07	12/21/2007	7,517	6,714	89%	7,059	7,496	7,114	7,513	7,517
Nov '07	11/30/2007	7,528	6,733	89%	7,071	7,508	7,134	7,523	7,528
Oct '07	10/26/2007	7,531	6,761	90%	7,098	7,511	7,140	7,528	7,531

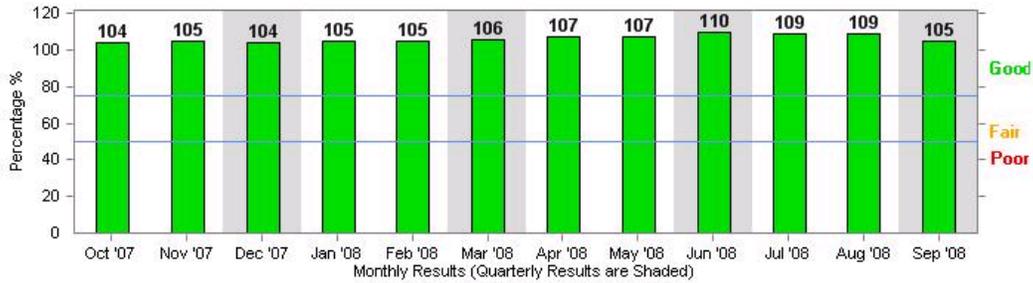
Rating Criteria		
Rating		Criteria
Good		Percentage of completed driver and vehicle information is >= 85%
Fair		Percentage of completed driver and vehicle information is 70-84%
Poor		Percentage of completed driver and vehicle information is < 70%

Data Source: MCMIS fatal and non-fatal crash records for 12 months that represent interstate and intrastate carriers and includes large truck and bus vehicle types.

Pennsylvania: Non-Fatal Crash Completeness Measure Report
Monthly Results as of : September 26, 2008

Determines a rating based on a ratio of reported to predicted non-fatal crash records reported to MCMIS. The number of reported non-fatal crash records was calculated using a 12-month time period that ends six months prior to the MCMIS snapshot date. ([View Methodology](#))

Pennsylvania: Non-Fatal Crash Completeness Measure



* Data Unavailable - New Measure implemented Sept '07.

Pennsylvania: Non-Fatal Crash Completeness Measure

[Download Data](#)

Monthly Results	MCMIS Run Date	Rating	Non-Fatal Crash Completeness				Crash Year (FARS)	Fatal Crash Records (FARS) (Used to Predict Non-Fatals)			
			Event Date Range	Predicted Non-Fatals	Reported Non-Fatals	Reported/Predicted		Crash Year - 2	Crash Year - 1	Current Crash Year	Average
Sep '08	9/26/2008	G	4/1/2007 - 3/31/2008	7,069	7,455	105%	2007	203	205	228	212
Aug '08	8/22/2008	G	3/1/2007 - 2/29/2008	7,035	7,702	109%	2006	222	203	205	210
Jul '08	7/25/2008	G	2/1/2007 - 1/31/2008	7,035	7,698	109%	2006	222	203	205	210
Jun '08	6/20/2008	G	1/1/2007 - 12/31/2007	7,035	7,736	110%	2006	222	203	205	210
May '08	5/23/2008	G	12/1/2006 - 11/30/2007	7,035	7,562	107%	2006	222	203	205	210
Apr '08	4/25/2008	G	11/1/2006 - 10/31/2007	7,035	7,545	107%	2006	222	203	205	210
Mar '08	3/28/2008	G	10/1/2006 - 9/30/2007	7,035	7,469	106%	2006	222	203	205	210
Feb '08	2/22/2008	G	9/1/2006 - 8/31/2007	7,035	7,377	105%	2006	222	203	205	210
Jan '08	1/25/2008	G	8/1/2006 - 7/31/2007	7,035	7,373	105%	2006	222	203	205	210
Dec '07	12/21/2007	G	7/1/2006 - 6/30/2007	7,035	7,342	104%	2006	222	203	205	210
Nov '07	11/30/2007	G	6/1/2006 - 5/31/2007	7,035	7,352	105%	2006	222	203	205	210
Oct '07	10/26/2007	G	5/1/2006 - 4/30/2007	7,035	7,290	104%	2006	222	203	205	210

Rating Criteria

Rating	Criteria
Good G	Percentage of non-fatal crash records reported is >= 75%
Fair Y	Percentage of non-fatal crash records reported is 50-75%
Poor P	Percentage of non-fatal crash records reported is < 50%
Insufficient Data I	State has < 15 average # of fatal crash records AND percentage of non-fatal crash records reported is < 50%

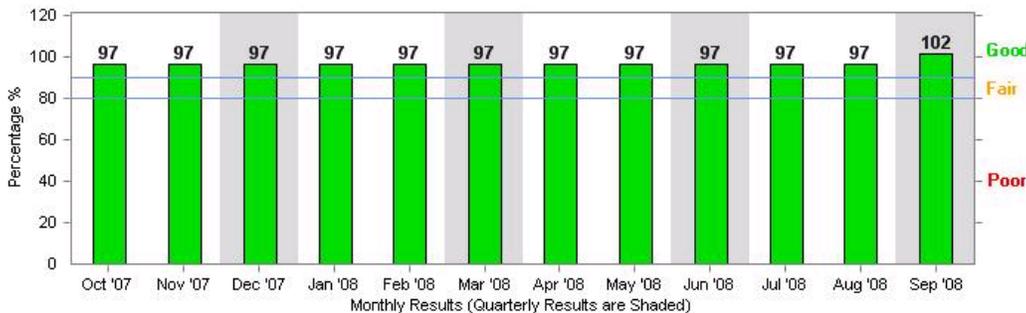
Data Source: MCMIS crash records for 12 months that represent interstate and intrastate carriers and includes large truck and bus vehicle types.

Pennsylvania: Fatal Crash Completeness Measure Report

Monthly Results as of : September 26, 2008

Determines a rating based on a comparison of the number of State-reported fatal crash records in MCMIS to the number of fatal crash records reported in FARS. ([View Methodology](#))

Pennsylvania: Fatal Crash Completeness Measure



Pennsylvania: Fatal Crash Completeness Measure

[Download Data](#)

Monthly Results	MCMIS Run Date	Rating	Fatal Crash Year	Fatal Crash Records		
				FARS	MCMIS	MCMIS as a % of FARS
Sep '08	9/26/2008	G	2007	214	219	102%
Aug '08	8/22/2008	G	2006	183	177	97%
Jul '08	7/25/2008	G	2006	183	177	97%
Jun '08	6/20/2008	G	2006	183	177	97%
May '08	5/23/2008	G	2006	183	177	97%
Apr '08	4/25/2008	G	2006	183	177	97%
Mar '08	3/28/2008	G	2006	183	177	97%
Feb '08	2/22/2008	G	2006	183	177	97%
Jan '08	1/25/2008	G	2006	183	177	97%
Dec '07	12/21/2007	G	2006	183	177	97%
Nov '07	11/30/2007	G	2006	183	177	97%
Oct '07	10/26/2007	G	2006	183	177	97%

Rating Criteria

Rating	Criteria
Good	G MCMIS as a % of FARS is >= 90%
Fair	Y MCMIS as a % of FARS is 80-89%
Poor	R MCMIS as a % of FARS is < 80%
Insufficient data	I State has < 15 FARS records AND MCMIS as a % of FARS is < 80%

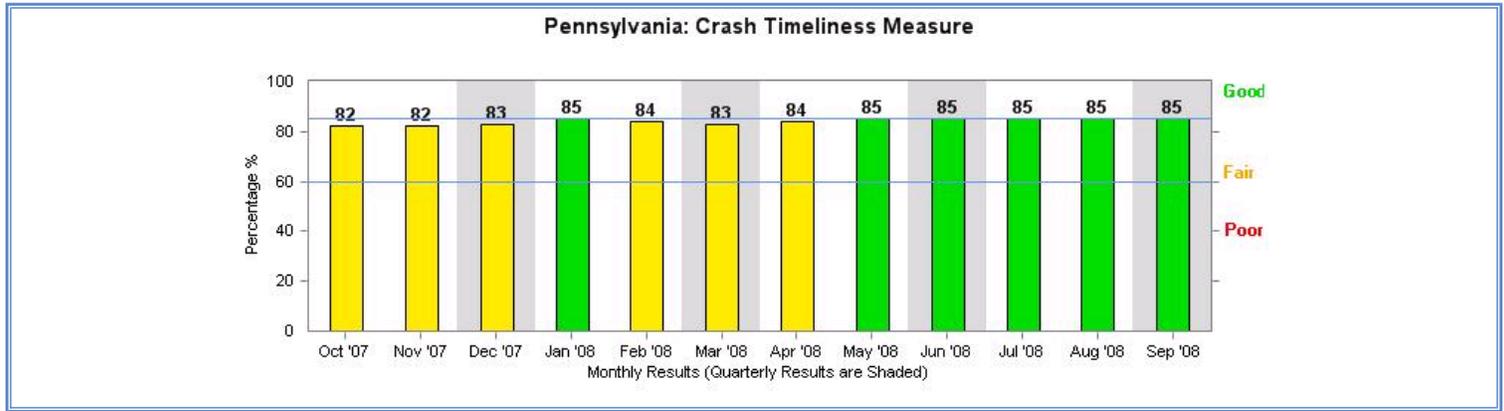
Data Source: FARS records and MCMIS crash records that represent interstate and intrastate carriers and include **large truck** vehicle type involved in fatal crashes.

Pennsylvania: Crash Timeliness Measure Report

Monthly Results as of : September 26, 2008

Determines a rating based on the percentage of crash records reported to FMCSA within 90 days over a 12-month period. ([View Methodology](#))

NEW [More Detailed Analysis for this Measure](#)



Pennsylvania: Crash Timeliness Measure							Download Data
Monthly Results	MCMIS Run Date	Event Date Range	Rating	# Interstate & Intrastate Crash Records	# Records Reported w/in 90 Days	% Records Reported w/in 90 Days	
Sep '08	9/26/2008	7/1/2007 - 6/30/2008	G	7,348	6,213	85%	
Aug '08	8/22/2008	6/1/2007 - 5/31/2008	G	7,355	6,286	85%	
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	G	7,568	6,431	85%	
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	G	7,573	6,450	85%	
May '08	5/23/2008	3/1/2007 - 2/29/2008	G	7,786	6,640	85%	
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	Y	7,771	6,523	84%	
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	Y	7,894	6,547	83%	
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	Y	7,610	6,395	84%	
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	G	7,487	6,335	85%	
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	Y	7,517	6,246	83%	
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	Y	7,528	6,176	82%	
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	Y	7,531	6,176	82%	

Rating Criteria	
Rating	Criteria
Good	● Percentage reported within 90 Days is >= 85%
Fair	● Percentage reported within 90 Days is 60-84%
Poor	● Percentage reported within 90 Days is < 60%
Insufficient data	● State has < 15 records reported in current timeframe AND percentage reported within 90 Days is < 60%

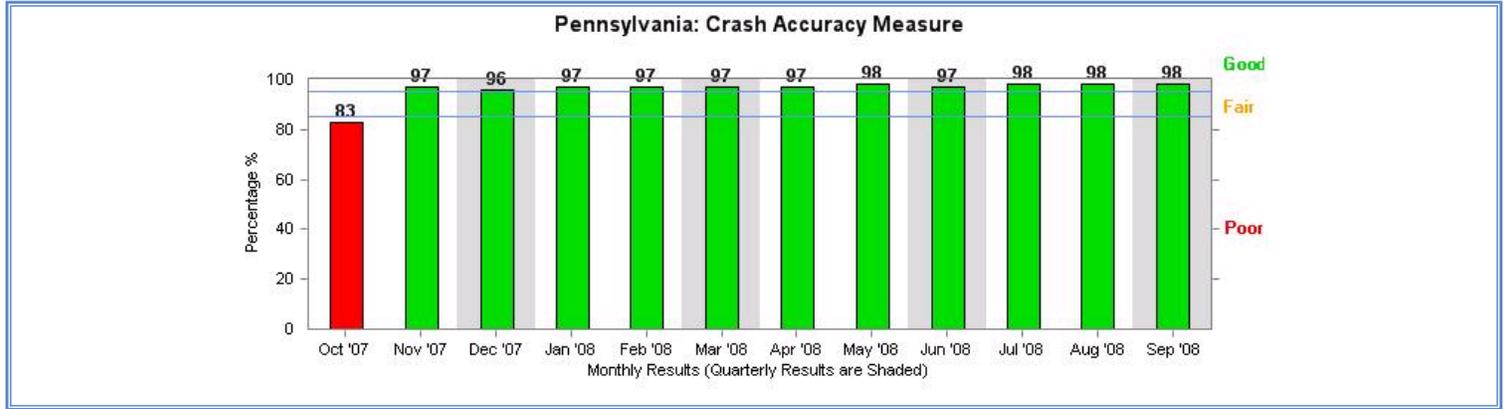
Data Source: MCMIS fatal and non-fatal crash records for 12 months that represent interstate and intrastate carriers and includes large truck and bus vehicle types.

Pennsylvania: Crash Accuracy Measure Report

Monthly Results as of : September 26, 2008

Determines a rating based on the percentage of crash records reported by the State over a 12-month period that were matched to a company registered in MCMIS. ([View Methodology](#))

NEW [More Detailed Analysis for this Measure](#)



Pennsylvania: Crash Accuracy Measure										Download Data
Monthly Results	MCMIS Run Date	Event Date Range	Rating	# Interstate & HM Intrastate Crash Records	# UnMatched Records	% UnMatched Records	# Matched Records	% Matched Records		
Sep '08	9/26/2008	7/1/2007 - 6/30/2008	G	6,124	129	2%	5,995	98%		
Aug '08	8/22/2008	6/1/2007 - 5/31/2008	G	6,146	135	2%	6,011	98%		
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	G	6,357	151	2%	6,206	98%		
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	G	6,355	169	3%	6,186	97%		
May '08	5/23/2008	3/1/2007 - 2/29/2008	G	6,540	161	2%	6,379	98%		
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	G	6,509	189	3%	6,320	97%		
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	G	6,605	173	3%	6,432	97%		
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	G	6,406	187	3%	6,219	97%		
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	G	6,034	183	3%	5,851	97%		
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	G	6,066	220	4%	5,846	96%		
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	G	6,062	194	3%	5,868	97%		
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	R	6,215	1,059	17%	5,156	83%		

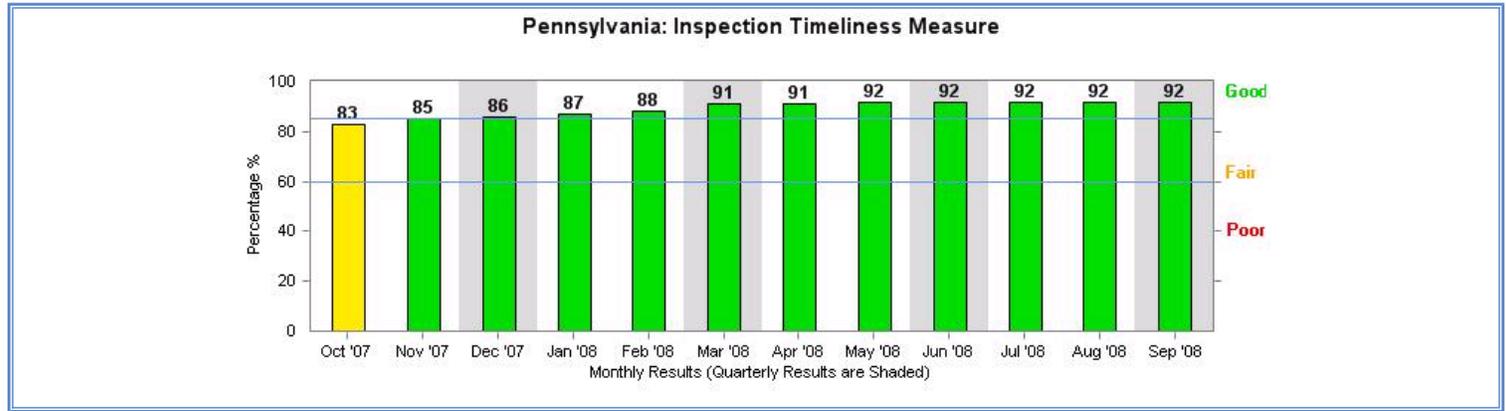
Rating Criteria	
Rating	Criteria
Good	G Percentage of matched records is >= 95%
Fair	Y Percentage of matched records is 85-94%
Poor	R Percentage of matched records is < 85%
Insufficient data	I State has < 15 records reported in current timeframe AND percentage of matched records is < 85%

Data Source: MCMIS fatal and non-fatal crash records for 12 months that represent interstate carriers and intrastate carriers transporting hazardous material and includes large truck and bus vehicle types. (Excludes crash records entered per FMCSA's "Procedures for Entering Crashes without Carrier Identification into SAFETYNET")

Pennsylvania: Inspection Timeliness Measure Report
Monthly Results as of : September 26, 2008

Determines a rating based on the percentage of inspection records reported to FMCSA within 21 days over a 12-month period. ([View Methodology](#))

NEW [More Detailed Analysis for this Measure](#)



Pennsylvania: Inspection Timeliness Measure							Download Data
Monthly Results	MCMIS Run Date	Event Date Range	Rating	# Interstate & Intrastate Inspection Records	# Records Reported w/in 21 Days	% Records Reported w/in 21 Days	
Sep '08	9/26/2008	7/1/2007 - 6/30/2008	G	98,305	90,782	92%	
Aug '08	8/22/2008	6/1/2007 - 5/31/2008	G	97,216	89,856	92%	
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	G	101,273	93,335	92%	
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	G	102,936	94,661	92%	
May '08	5/23/2008	3/1/2007 - 2/29/2008	G	103,446	94,748	92%	
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	G	102,858	93,946	91%	
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	G	102,143	92,754	91%	
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	G	101,408	89,113	88%	
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	G	99,871	86,553	87%	
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	G	100,444	86,762	86%	
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	G	98,487	83,784	85%	
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	Y	101,702	84,896	83%	

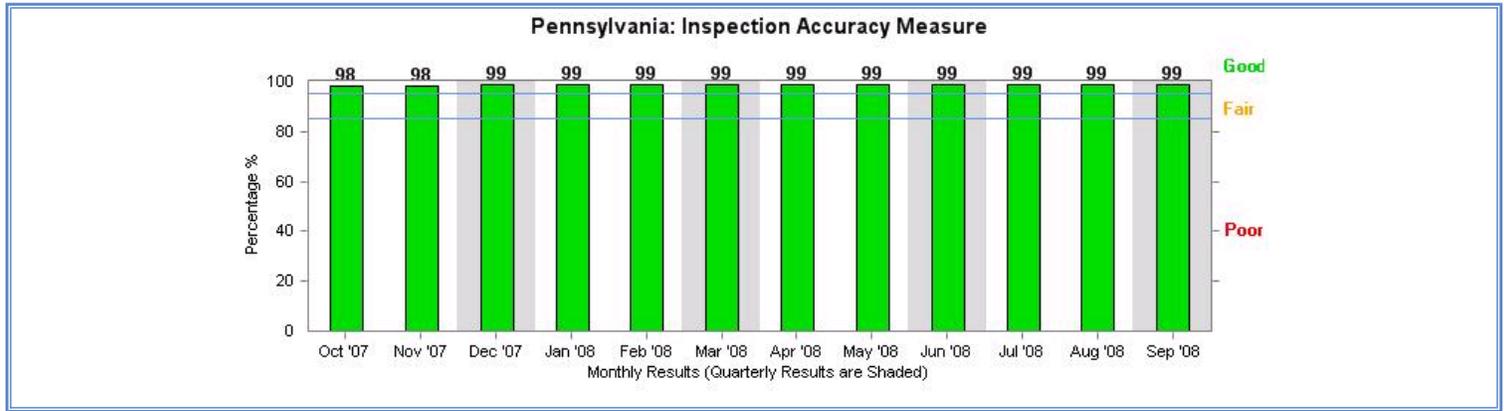
Rating Criteria		
Rating		Criteria
Good	G	Percentage reported within 21 Days is >= 85%
Fair	Y	Percentage reported within 21 Days is 60-84%
Poor	R	Percentage reported within 21 Days is < 60%

Data Source: MCMIS inspection records for 12 months that represent interstate and intrastate carriers and includes large truck and bus vehicle types.

Pennsylvania: Inspection Accuracy Measure Report
Monthly Results as of : September 26, 2008

Determines a rating based on the percentage of inspection records reported by the States over a 12-month period that were matched to a company registered in MCMIS. ([View Methodology](#))

NEW [More Detailed Analysis for this Measure](#)



Pennsylvania: Inspection Accuracy Measure										Download Data
Monthly Results	MCMIS Run Date	Event Date Range	Rating	# Interstate & HM Intrastate Inspection Records	# UnMatched Records	% UnMatched Records	# Matched Records	% Matched Records		
Sep '08	9/26/2008	7/1/2007 - 6/30/2008	G	71,312	789	1%	70,523	99%		
Aug '08	8/22/2008	6/1/2007 - 5/31/2008	G	70,308	792	1%	69,516	99%		
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	G	73,882	817	1%	73,065	99%		
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	G	75,214	811	1%	74,403	99%		
May '08	5/23/2008	3/1/2007 - 2/29/2008	G	75,557	799	1%	74,758	99%		
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	G	75,098	766	1%	74,332	99%		
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	G	74,547	786	1%	73,761	99%		
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	G	73,921	835	1%	73,086	99%		
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	G	72,704	905	1%	71,799	99%		
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	G	73,494	1,013	1%	72,481	99%		
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	G	71,935	1,131	2%	70,804	98%		
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	G	74,594	1,230	2%	73,364	98%		

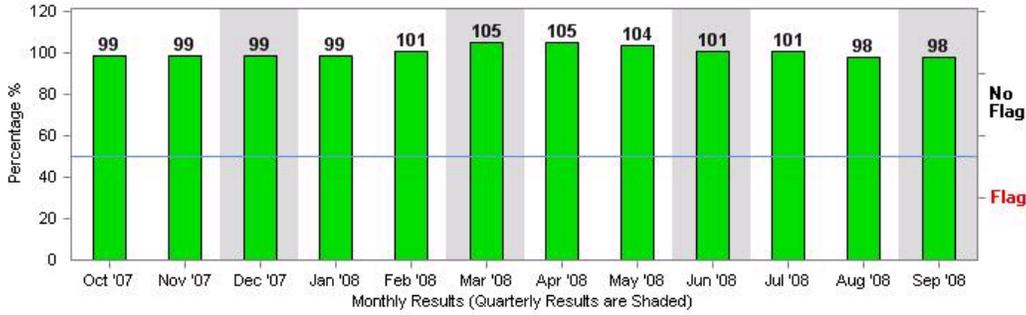
Rating Criteria		
Rating		Criteria
Good	G	Percentage of matched records is >= 95%
Fair	Y	Percentage of matched records is 85-94%
Poor	P	Percentage of matched records is < 85%

Data Source: MCMIS inspection records for 12 months that represent interstate carriers and intrastate carriers transporting hazardous material and includes large truck and bus vehicle types.

Pennsylvania: Crash Consistency Indicator Report
Monthly Results as of : September 26, 2008

Indicates States that have reported less than 50% of non-fatal crash records for the current 12-month period compared to the yearly average, based on the previous 36-months. [\(View Methodology\)](#)

Pennsylvania: Crash Consistency Overriding Indicator



Pennsylvania: Crash Consistency Overriding Indicator

[Download Data](#)

Monthly Results	MCMIS Run Date	Event Date Range	Rating	Year 1	Year 2	Year 3	Avg # Records over Previous 3 Years	Total # Records for Date Range	Estimate Reported for Date Range
				Date Range -3 Years	Date Range -2 Years	Date Range -1 Year			
Sep '08	9/26/2008	7/1/2007 - 6/30/2008	No Flag	7,721	6,715	7,417	7,284	7,127	98%
Aug '08	8/22/2008	6/1/2007 - 5/31/2008	No Flag	7,669	6,762	7,422	7,284	7,137	98%
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	No Flag	7,640	6,762	7,348	7,250	7,346	101%
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	No Flag	7,669	6,803	7,320	7,264	7,371	101%
May '08	5/23/2008	3/1/2007 - 2/29/2008	No Flag	7,696	7,046	7,098	7,280	7,574	104%
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	No Flag	7,578	7,224	6,844	7,215	7,560	105%
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	No Flag	7,669	7,504	6,725	7,299	7,677	105%
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	No Flag	7,751	7,464	6,895	7,370	7,409	101%
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	No Flag	7,722	7,437	6,920	7,360	7,292	99%
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	No Flag	7,789	7,375	6,927	7,364	7,303	99%
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	No Flag	7,772	7,584	6,764	7,373	7,311	99%
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	No Flag	7,733	7,667	6,670	7,357	7,309	99%

Rating Criteria

Rating	Criteria
No Flag	Estimated Reported is >= 50%
Flag	Estimated Reported is < 50%
Insufficient data	State has < 15 records reported in current timeframe AND State has < 15 records reported in previous 3 year average AND Estimate Reported is <= 50%

Data Source: MCMIS non-fatal crash records for 12 months (plus 36 months prior average) that represent interstate and intrastate carriers and includes large truck and bus vehicle types.



Methodology for State Safety Data Quality (SSDQ)

(Results as of: September 26, 2008)

[Definitions](#)

[Revision Notes](#)

The **Methodology for State Safety Data Quality (SSDQ)** was developed by FMCSA to evaluate the completeness, timeliness, accuracy, and consistency of the State-reported commercial motor vehicle crash and inspection records in the Motor Carrier Management Information System (MCMIS). The SSDQ evaluation uses a 12-month time period that ends three months prior to the MCMIS snapshot for each measure, unless otherwise stated in the rating description. Crash and inspection records were used in this evaluation if the date of the event occurred within the 12-month time period, not when the records were uploaded to MCMIS. The quality of this data is evaluated with each monthly snapshot and the States receive ratings of "Good," "Fair," or "Poor" for seven SSDQ Measures. Based on these individual ratings, plus the Overriding Indicator, each State receives an Overall State Rating. States also receive a Crash Rating that considers only the SSDQ Crash Measures and the Overriding Indicator. The methodology used to determine these ratings is provided below.

<u>Overall State Rating</u>	<u>Crash Rating</u>
State Safety Data Quality Measures	State Safety Data Quality Measures
<i>Crash</i>	<i>Crash</i>
1. Crash Record Completeness	1. Crash Record Completeness
a. Driver Identification	a. Driver Identification
b. Vehicle Identification	b. Vehicle Identification
2. Non-Fatal Crash Completeness	2. Non-Fatal Crash Completeness
3. Fatal Crash Completeness	3. Fatal Crash Completeness
4. Crash Timeliness	4. Crash Timeliness
5. Crash Accuracy	5. Crash Accuracy
<i>Inspection</i>	
6. Inspection Timeliness	
7. Inspection Accuracy	
Overriding Indicator	Overriding Indicator
1. Crash Consistency	1. Crash Consistency

State Safety Data Quality Ratings

Overall State Rating: Considers all seven SSDQ measures and the Overriding Indicator, except measures with a rating of "Insufficient Data." States receive an overall score based on ratings in each of the measures and the Overriding Indicator. A State that has received a "red flag" will be automatically rated "Poor". A State with at least one "Good" measure and no "Poor" measures receives a "Good" rating. A State with only one "Poor" measure will receive a "Fair" rating, and any State with two or more "Poor" measures will receive a "Poor" rating. (See image below.)



The Overall State Rating is determined as follows:

Rating	Criteria
Good	G Minimum of 1 Good AND 0 Poor
Fair	Y Maximum of 1 Poor
Poor	R 2+ Poor OR Red Flagged

* States that are red flagged are automatically rated POOR overall.

Crash Rating: Considers the five SSDQ crash measures and the Overriding Indicator, except measures with a rating of "Insufficient Data." States receive an overall score based on ratings in each of the crash measures and the Overriding Indicator. A State that has received a "red flag" will be automatically rated "Poor". A State with at least one "Good" measure and no "Poor" measures receives a "Good" rating. A State with only one "Poor" measure will receive a "Fair" rating, and any State with two or more "Poor" measures will receive a "Poor" rating. (See image below.)



The Crash Rating is determined as follows:

Rating		Criteria
Good	G	Minimum of 1 Good AND 0 Poor
Fair	Y	Maximum of 1 Poor
Poor	R	2+ Poor OR Red Flagged
* States that are red flagged are automatically rated POOR overall.		

State Safety Data Quality Measures: *Crash*

Crash Record Completeness: Average of Driver and Vehicle Identification Completeness Evaluations

The Crash Record Completeness Measure evaluates fatal and non-fatal crash records that represent interstate and intrastate carriers and includes large truck and bus vehicle types. This measure determines a rating based on the completeness of driver and vehicle crash data reported to FMCSA. A State's rating is determined by evaluating the completeness of the driver data and vehicle data separately and then averaging these results together. The completeness of the driver data is determined by the **Driver Identification Completeness Evaluation** and the completeness of the vehicle data is determined by the **Vehicle Identification Completeness Evaluation**.



Driver Identification Completeness Evaluation

This evaluation determines the percentage of State-reported **fatal and non-fatal** crash records in the MCMIS database with complete driver information (i.e., the number of crash records with complete driver information divided by the number of crash records reported) over a 12-month time period. A State-reported crash record is considered complete when the following information is provided: driver license number, driver date-of-birth, driver first name, driver last name, and license class. If **any** of this information is missing, a record is considered incomplete.

Vehicle Identification Completeness Evaluation

This evaluation determines the percentage of State-reported **fatal and non-fatal** crash records in the MCMIS database with complete vehicle information (i.e., the number of crash records with complete vehicle information divided by the number of crash records reported) over a 12-month time period. A State-reported crash record is considered complete when the following information is provided: vehicle identification number, license plate number, vehicle configuration, cargo body type, and gross vehicle weight rating. If **any** of this information is missing, a record is considered incomplete.

The Crash Record Completeness rating is determined as follows:

Rating		Criteria
Good	G	Percentage of completed driver and vehicle information is $\geq 85\%$
Fair	Y	Percentage of completed driver and vehicle information is 70 - 84%
Poor	R	Percentage of completed driver and vehicle information is $< 70\%$

Non-Fatal Crash Completeness: *Percentage of Non-Fatal Crash Records Reported*

The Non-Fatal Crash Completeness Measure evaluates crash records that represent interstate and intrastate carriers and includes large truck and bus vehicle types. This measure determines a rating based on a ratio of reported to predicted non-fatal crash records reported to MCMIS. The number of reported non-fatal crash records was calculated using a 12-month time period that ends **six months** prior to the MCMIS snapshot date.

A statistical model was developed using data from eight States to predict the number of non-fatal reportable crash involvements. A three-year average of fatal crash records was entered into this model to derive the predicted non-fatal crash record values. Due to the inherent variability of crash data reporting by individual States, the Non-Fatal Crash Completeness Measure is intended to serve as a guideline to assess whether a State's non-fatal crash reporting falls within an expected range, as determined by the model.

As data from more States become available for analysis, the sample size for the model will increase, which should result in more precise predictions.

The percent non-fatal crash completeness is determined by dividing the number of reported non-fatal crash records by the number of predicted non-fatal crash records:

$$\% \text{ Non-Fatal Crash Completeness} = \frac{\# \text{ Reported Non-Fatals}}{\# \text{ Predicted Non-Fatals}}$$

The Non-Fatal Crash Completeness rating is determined as follows:

Rating		Criteria
Good		Percentage of non-fatal crash records reported is >= 75%
Fair		Percentage of non-fatal crash records reported is 50 - 74%
Poor		Percentage of non-fatal crash records reported is < 50%
Insufficient Data		State has < 15 average # of fatal crash records AND Percentage of non-fatal crash records reported is < 50%

Fatal Crash Completeness: *Percentage of Fatal Crash Records Reported*

The Fatal Crash Completeness Measure evaluates only those records that represent **large trucks** involved in fatal crashes that occurred within the calendar year. This measure determines a rating based on a comparison of the **number** of State-reported fatal crash records in MCMIS to the **number** of fatal crash records reported in the Fatality Analysis Reporting System (FARS). FARS is the national database of fatal motor vehicle crashes maintained by the National Highway Traffic Safety Administration (NHTSA).

The Fatal Crash Completeness rating is determined as follows:

Rating		Criteria
Good		MCMIS as a % of FARS is >= 90%
Fair		MCMIS as a % of FARS is 80 - 89%
Poor		MCMIS as a % of FARS is < 80%
Insufficient Data		State has < 15 FARS records AND MCMIS as a % of FARS is < 80%

Crash Timeliness: *Percentage of Crash Records Reported within 90 Days*

The Crash Timeliness Measure evaluates fatal and non-fatal crash records that represent interstate and intrastate carriers and includes large truck and bus vehicle types. This measure determines a rating based on the percentage of crash records reported to FMCSA within 90 days over a 12-month period.

The Crash Timeliness rating is determined as follows:

Rating		Criteria
Good		Percentage reported within 90 Days is >= 85%
Fair		Percentage reported within 90 Days is 60 - 84%
Poor		Percentage reported within 90 Days is < 60%
Insufficient Data		State has < 15 records reported in current timeframe AND percentage reported within 90 Days is < 60%

Crash Accuracy: *Percentage of Matched Crash Records*

The Crash Accuracy Measure evaluates fatal and non-fatal crash records that represent interstate carriers and intrastate carriers transporting hazardous material and includes large truck and bus vehicle types. This measure determines a rating based on the percentage of crash records reported by the State over a 12-month period that were matched to a company registered in MCMIS. (Crash records entered per FMCSA's "[Procedures for Entering Crashes without Carrier Identification into SAFETYNET](#)" are not evaluated by this measure.)

The Crash Accuracy rating is determined as follows:

Rating		Criteria
Good		Percentage of matched records is >= 95%
Fair		Percentage of matched records is 85 - 94%
Poor		Percentage of matched records is < 85%
Insufficient Data		State has < 15 records reported in current timeframe AND percentage of matched records is < 85%

State Safety Data Quality Measures: Inspection

Inspection Timeliness: *Percentage of Inspection Records Reported within 21 Days*

The Inspection Timeliness Measure evaluates inspection records that represent interstate and intrastate carriers and includes large truck and bus vehicle types. This measure determines a rating based on the percentage of inspection records reported to FMCSA within 21 days over a 12-month period.

The Inspection Timeliness rating is determined as follows:

Rating		Criteria
Good		Percentage reported within 21 Days is >= 85%
Fair		Percentage reported within 21 Days is 60 - 84%
Poor		Percentage reported within 21 Days is < 60%

Inspection Accuracy: *Percentage of Matched Inspection Records*

The Inspection Accuracy Measure evaluates inspection records that represent interstate carriers and intrastate carriers transporting hazardous material and includes large truck and bus vehicle types. This measure determines a rating based on the percentage of inspection records reported by the States over a 12-month period that were matched to a company registered in MCMIS.

The Inspection Accuracy rating is determined as follows:

Rating		Criteria
Good		Percentage of matched records is >= 95%
Fair		Percentage of matched records is 85 - 94%
Poor		Percentage of matched records is < 85%

Overriding Indicator

Crash Consistency*: *Percentage of State-Reported Non-Fatal Crash Records*

The Crash Consistency Overriding Indicator evaluates non-fatal crash records that represent interstate and intrastate carriers and includes large truck and bus vehicle types. This "red flag" indicates States that have reported less than 50% of non-fatal crash records for the current 12-month period compared to the yearly average, based on the previous 36-months.

The Crash Consistency Overriding Indicator "flag" is determined as follows:

Rating		Criteria
No Flag		Estimate Reported is >= 50%
Red Flag		Estimate Reported is < 50%
Insufficient Data		State has < 15 records reported in current timeframe AND State has < 15 records reported in previous 3 year average AND Estimate Reported is <= 50%

* States that have an obvious and significant decline in crash record reporting will be categorized as Poor in the Overall State Rating and Crash Rating, without regard to their rating on other measures.

Definitions:

Large truck: Any truck having a gross vehicle weight rating (GVWR) of more than 10,000 pounds or a gross combination weight rating (GCWR) over 10,000 pounds.

Bus: A motor vehicle with seats for at least nine (9) people, including the driver's seat.

Interstate Carrier: Carriers that transport a commodity outside the state of its place of business.

Intrastate Carrier: Carriers that transport a commodity only within the state of its place of business.

Fatal Crash: A crash where one or more persons dies within 30 days of the crash. The fatality does not have to occur at the scene of the crash. It includes any person involved in the crash, including pedestrians and bicyclists, as well as occupants of the passenger cars and trucks.

Non-fatal crash: A crash where one or more persons has non-fatal injuries requiring transportation by a vehicle for the purpose of obtaining immediate medical attention; or one or more of the vehicles were towed away from the scene due to "disabling damage". The towed vehicle need not be the truck involved in the crash.

Revision Notes: Improvements or changes made to the "State Safety Data Quality" methodology are documented below.

October 30, 2007

The SSDQ Overall State Rating methodology has changed. It now includes the Crash Record Completeness Measure and the Non-Fatal Crash Completeness Measure. A Crash Rating has been developed to evaluate only crash data quality.

June 23, 2006

The Crash Accuracy Measure has changed. The crash accuracy analysis will now exclude all "Carrier Non-Identifiable" crash records. Changing this analysis will prevent records that are entered using FMCSA's guidelines on entering crash records without carrier identification from being included in the calculation of a State's accuracy measure.

March 31, 2006

The Crash and Inspection Timeliness Measure has changed. The timeliness analysis will now include "all" (both 'add' and 'change') records. Changing this analysis will allow all crash and inspection records uploaded to MCMIS within a specific timeframe to be evaluated. Previous releases only included 'add' records.

December 23, 2004

The crash and roadside inspection accuracy measures will include interstate carriers and intrastate hazardous material carriers in its analysis to determine the percentage of records reported in the MCMIS database that were matched to a motor carrier in MCMIS. Previous releases only included interstate carriers.