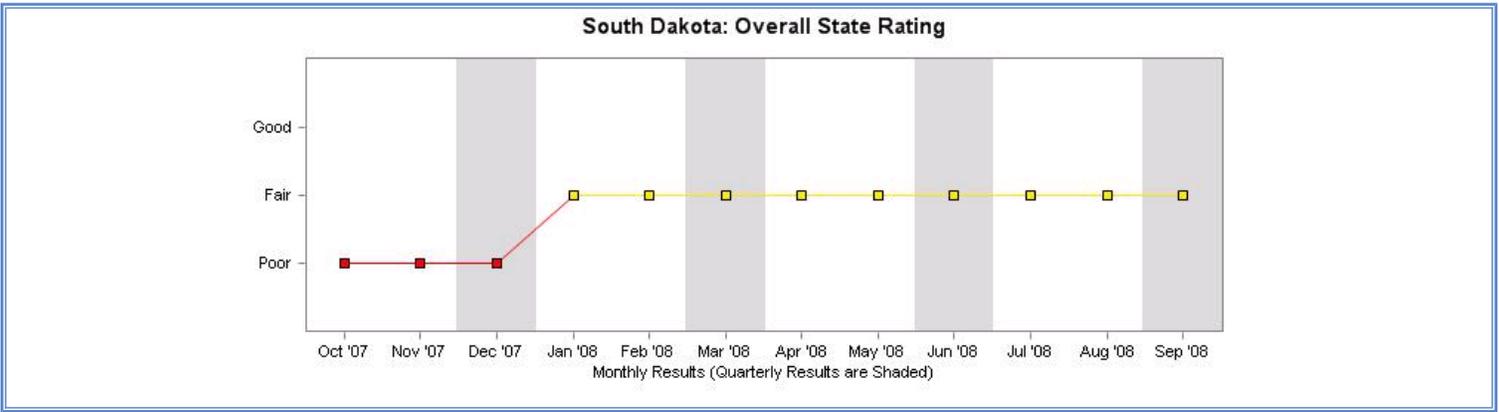


South Dakota: Overall State Rating Report

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](#))



South Dakota: 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	Y	G	R	Y	G	Y	G	G	No Flag	
Aug '08	8/22/2008	Y	G	R	Y	G	Y	G	G	No Flag	
Jul '08	7/25/2008	Y	G	R	Y	G	Y	G	G	No Flag	
Jun '08	6/20/2008	Y	G	R	Y	G	Y	G	G	No Flag	
May '08	5/23/2008	Y	G	R	Y	G	Y	G	G	No Flag	
Apr '08	4/25/2008	Y	G	R	Y	G	Y	G	G	No Flag	
Mar '08	3/28/2008	Y	G	R	Y	G	Y	G	G	No Flag	
Feb '08	2/22/2008	Y	G	R	Y	G	Y	G	G	No Flag	
Jan '08	1/25/2008	Y	G	R	Y	G	Y	G	G	No Flag	
Dec '07	12/21/2007	R	G	R	R	G	Y	G	G	No Flag	
Nov '07	11/30/2007	R	G	R	R	G	Y	G	G	No Flag	
Oct '07	10/26/2007	R	G	R	R	G	Y	G	G	No Flag	

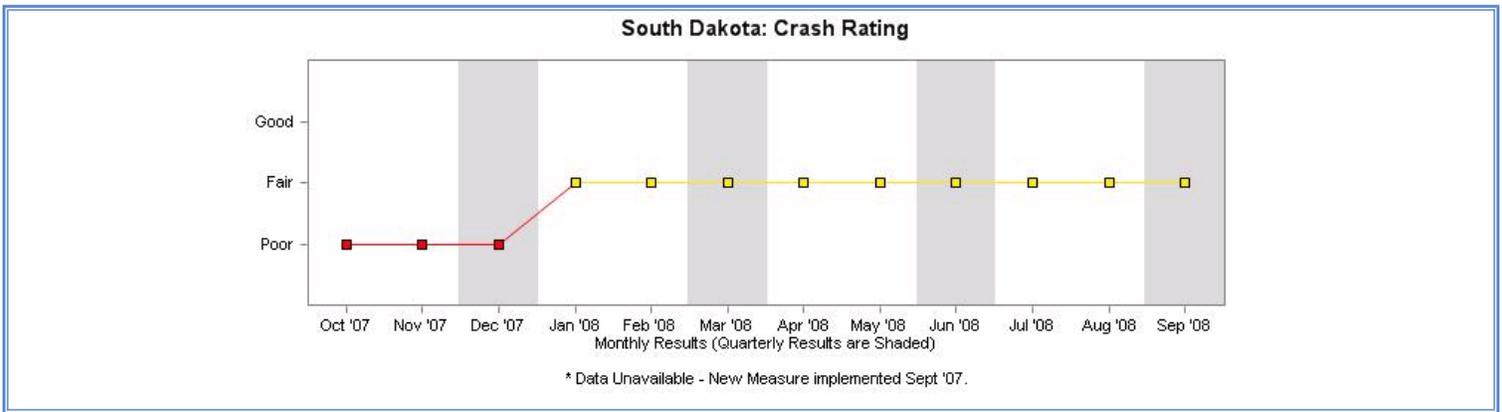
Overall State Rating Description		
Rating		Criteria
Good	G	Minimum of 1 Good AND 0 Poor
Fair	Y	Maximum of 1 Poor
Poor	R	2+ Poor OR Red Flagged

* 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.

South Dakota: 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](#))



South Dakota: 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	Y	G	R	Y	G	Y	No Flag
Aug '08	8/22/2008	Y	G	R	Y	G	Y	No Flag
Jul '08	7/25/2008	Y	G	R	Y	G	Y	No Flag
Jun '08	6/20/2008	Y	G	R	Y	G	Y	No Flag
May '08	5/23/2008	Y	G	R	Y	G	Y	No Flag
Apr '08	4/25/2008	Y	G	R	Y	G	Y	No Flag
Mar '08	3/28/2008	Y	G	R	Y	G	Y	No Flag
Feb '08	2/22/2008	Y	G	R	Y	G	Y	No Flag
Jan '08	1/25/2008	Y	G	R	Y	G	Y	No Flag
Dec '07	12/21/2007	R	G	R	R	G	Y	No Flag
Nov '07	11/30/2007	R	G	R	R	G	Y	No Flag
Oct '07	10/26/2007	R	G	R	R	G	Y	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.

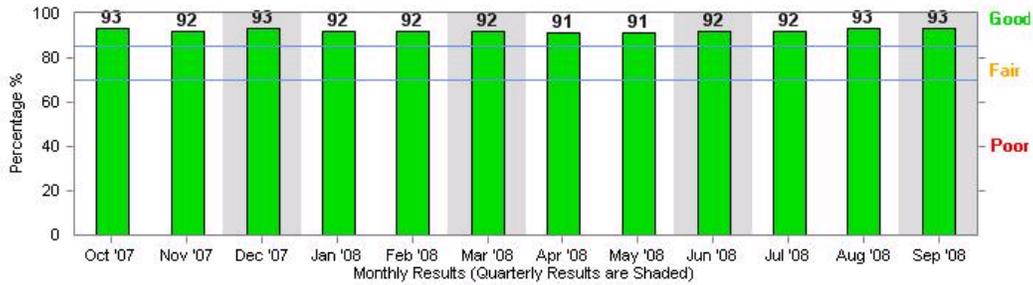
Data Source: FARS records and MCMIS crash records.

South Dakota: 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](#).

South Dakota: Crash Record Completeness Measure



* Data Unavailable - New Measure implemented Sept '07.

South Dakota: 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	G	88%	97%	93%
Aug '08	8/22/2008	6/1/2007 - 5/31/2008	G	89%	96%	93%
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	G	87%	96%	92%
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	G	88%	96%	92%
May '08	5/23/2008	3/1/2007 - 2/29/2008	G	86%	96%	91%
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	G	86%	96%	91%
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	G	87%	96%	92%
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	G	86%	97%	92%
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	G	87%	97%	92%
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	G	88%	97%	93%
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	G	88%	96%	92%
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	G	89%	96%	93%

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	313	276	88%	307	313	307	313	276
Aug '08	8/22/2008	316	280	89%	309	316	309	316	280
Jul '08	7/25/2008	316	276	87%	309	316	309	316	276
Jun '08	6/20/2008	301	264	88%	293	301	293	301	264
May '08	5/23/2008	293	253	86%	284	293	284	293	253
Apr '08	4/25/2008	295	255	86%	284	295	284	295	255
Mar '08	3/28/2008	300	261	87%	288	300	288	300	261
Feb '08	2/22/2008	286	247	86%	275	286	275	286	247
Jan '08	1/25/2008	275	239	87%	267	275	267	275	239
Dec '07	12/21/2007	269	236	88%	262	269	262	269	236
Nov '07	11/30/2007	289	254	88%	281	289	281	289	254
Oct '07	10/26/2007	306	271	89%	299	306	299	306	271

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	313	304	97%	313	305	313	312	313
Aug '08	8/22/2008	316	303	96%	316	304	316	315	316
Jul '08	7/25/2008	316	303	96%	316	304	316	315	316
Jun '08	6/20/2008	301	289	96%	301	289	301	301	301
May '08	5/23/2008	293	282	96%	293	282	293	293	293
Apr '08	4/25/2008	295	283	96%	295	284	295	294	295
Mar '08	3/28/2008	300	288	96%	300	289	300	299	300
Feb '08	2/22/2008	286	276	97%	286	277	286	285	286
Jan '08	1/25/2008	275	266	97%	275	267	275	274	275
Dec '07	12/21/2007	269	260	97%	269	261	269	268	269
Nov '07	11/30/2007	289	278	96%	289	280	289	287	289
Oct '07	10/26/2007	306	295	96%	306	297	306	304	306

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%

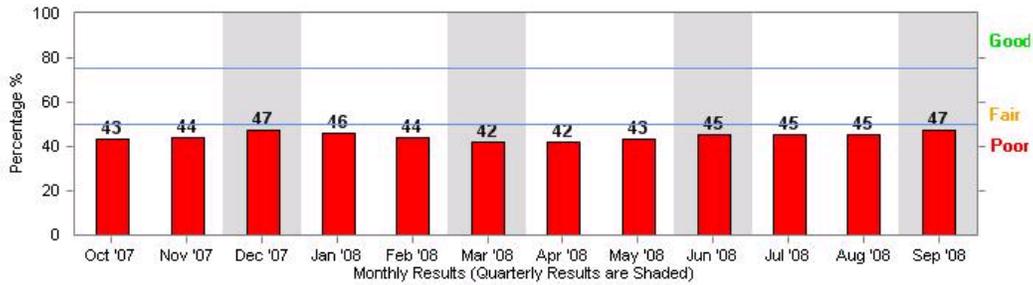
Data Source: MCMIS fatal and non-fatal crash records for 12 months that represent interstate and intrastate carriers and includes large truck and bus vehicle types.

South Dakota: 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](#))

South Dakota: Non-Fatal Crash Completeness Measure



* Data Unavailable - New Measure implemented Sept '07.

South Dakota: 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	R	4/1/2007 - 3/31/2008	615	290	47%	2007	15	17	14	15
Aug '08	8/22/2008	R	3/1/2007 - 2/29/2008	633	284	45%	2006	17	15	17	16
Jul '08	7/25/2008	R	2/1/2007 - 1/31/2008	633	284	45%	2006	17	15	17	16
Jun '08	6/20/2008	R	1/1/2007 - 12/31/2007	633	288	45%	2006	17	15	17	16
May '08	5/23/2008	R	12/1/2006 - 11/30/2007	633	274	43%	2006	17	15	17	16
Apr '08	4/25/2008	R	11/1/2006 - 10/31/2007	633	266	42%	2006	17	15	17	16
Mar '08	3/28/2008	R	10/1/2006 - 9/30/2007	633	263	42%	2006	17	15	17	16
Feb '08	2/22/2008	R	9/1/2006 - 8/31/2007	633	280	44%	2006	17	15	17	16
Jan '08	1/25/2008	R	8/1/2006 - 7/31/2007	633	293	46%	2006	17	15	17	16
Dec '07	12/21/2007	R	7/1/2006 - 6/30/2007	633	297	47%	2006	17	15	17	16
Nov '07	11/30/2007	R	6/1/2006 - 5/31/2007	633	277	44%	2006	17	15	17	16
Oct '07	10/26/2007	R	5/1/2006 - 4/30/2007	633	275	43%	2006	17	15	17	16

Rating Criteria

Rating	Criteria
Good	Percentage of non-fatal crash records reported is >= 75%
Fair	Percentage of non-fatal crash records reported is 50-75%
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%

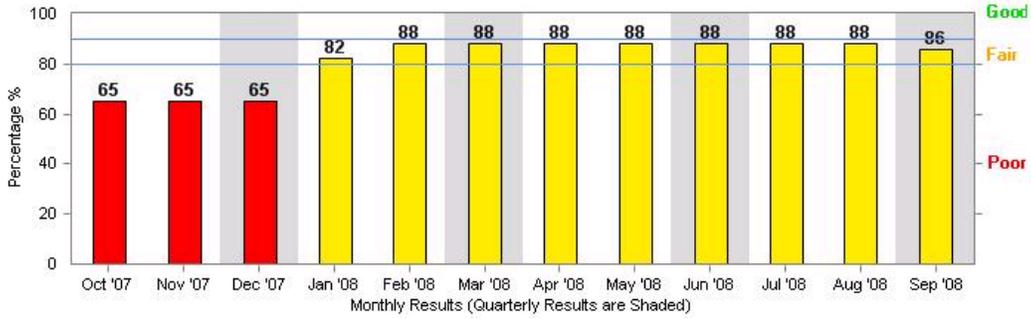
Data Source: MCMIS crash records for 12 months that represent interstate and intrastate carriers and includes large truck and bus vehicle types.

South Dakota: 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](#))

South Dakota: Fatal Crash Completeness Measure



South Dakota: 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	Y	2007	14	12	86%
Aug '08	8/22/2008	Y	2006	17	15	88%
Jul '08	7/25/2008	Y	2006	17	15	88%
Jun '08	6/20/2008	Y	2006	17	15	88%
May '08	5/23/2008	Y	2006	17	15	88%
Apr '08	4/25/2008	Y	2006	17	15	88%
Mar '08	3/28/2008	Y	2006	17	15	88%
Feb '08	2/22/2008	Y	2006	17	15	88%
Jan '08	1/25/2008	Y	2006	17	14	82%
Dec '07	12/21/2007	R	2006	17	11	65%
Nov '07	11/30/2007	R	2006	17	11	65%
Oct '07	10/26/2007	R	2006	17	11	65%

Rating Criteria

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%

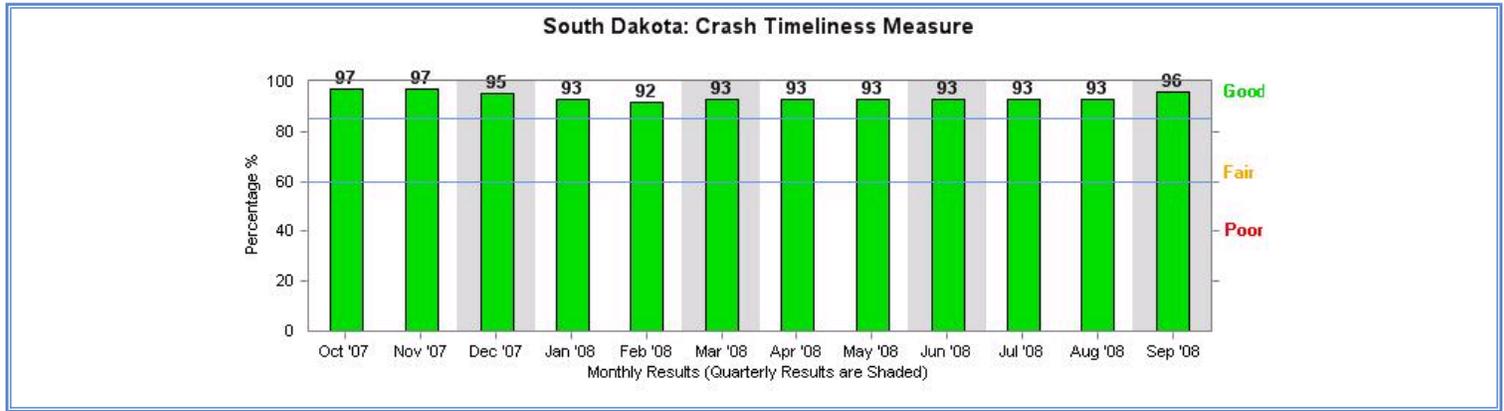
Data Source: FARS records and MCMIS crash records that represent interstate and intrastate carriers and include **large truck** vehicle type involved in fatal crashes.

South Dakota: 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](#)



South Dakota: 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	Good	313	299	96%	
Aug '08	8/22/2008	6/1/2007 - 5/31/2008	Good	316	295	93%	
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	Good	316	295	93%	
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	Good	301	279	93%	
May '08	5/23/2008	3/1/2007 - 2/29/2008	Good	293	272	93%	
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	Good	295	274	93%	
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	Good	300	278	93%	
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	Good	286	263	92%	
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	Good	275	256	93%	
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	Good	269	255	95%	
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	Good	289	279	97%	
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	Good	306	296	97%	

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.

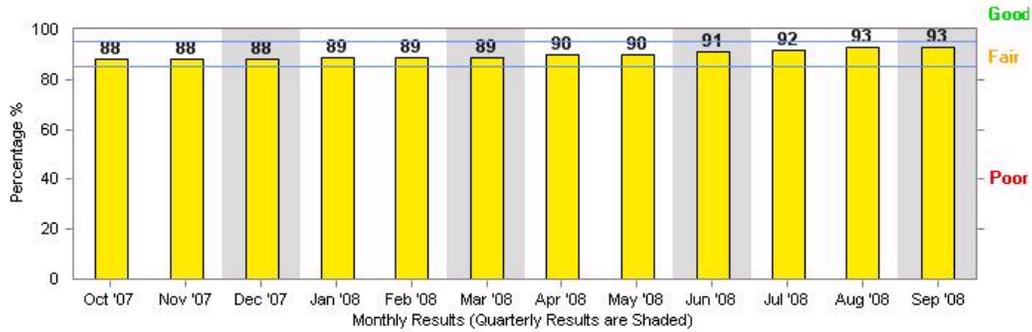
South Dakota: Crash Accuracy Measure Report

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](#)

South Dakota: Crash Accuracy Measure



South Dakota: 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	Y	274	19	7%	255	93%
Aug '08	8/22/2008	6/1/2007 - 5/31/2008	Y	279	19	7%	260	93%
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	Y	278	22	8%	256	92%
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	Y	262	24	9%	238	91%
May '08	5/23/2008	3/1/2007 - 2/29/2008	Y	256	26	10%	230	90%
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	Y	258	27	10%	231	90%
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	Y	266	29	11%	237	89%
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	Y	255	28	11%	227	89%
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	Y	242	27	11%	215	89%
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	Y	239	28	12%	211	88%
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	Y	257	30	12%	227	88%
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	Y	275	32	12%	243	88%

Rating Criteria

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%

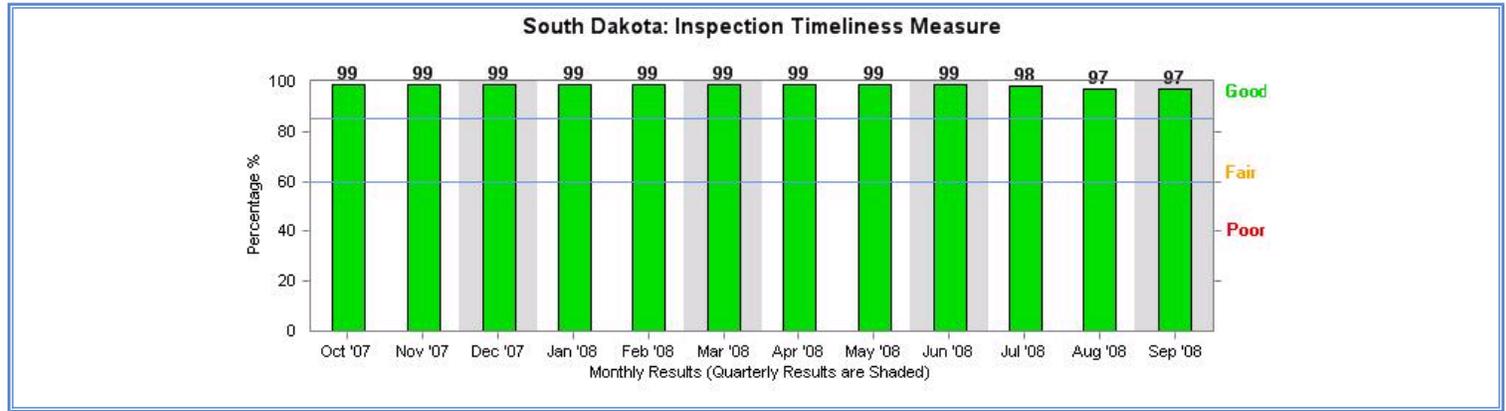
Data Source: MCMIS fatal and non-fatal crash records for 12 months that represent interstate carriers and intrastate carriers transporting hazardous material and includes large truck and bus vehicle types. (Excludes crash records entered per FMCSA's "Procedures for Entering Crashes without Carrier Identification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

South Dakota: 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](#)



South Dakota: 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	28,229	27,468	97%	
Aug '08	8/22/2008	6/1/2007 - 5/31/2008	G	28,410	27,690	97%	
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	G	28,722	28,232	98%	
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	G	28,977	28,680	99%	
May '08	5/23/2008	3/1/2007 - 2/29/2008	G	29,220	28,911	99%	
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	G	29,240	28,943	99%	
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	G	29,134	28,843	99%	
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	G	29,501	29,217	99%	
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	G	29,397	29,118	99%	
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	G	29,068	28,902	99%	
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	G	28,977	28,775	99%	
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	G	29,179	28,903	99%	

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%

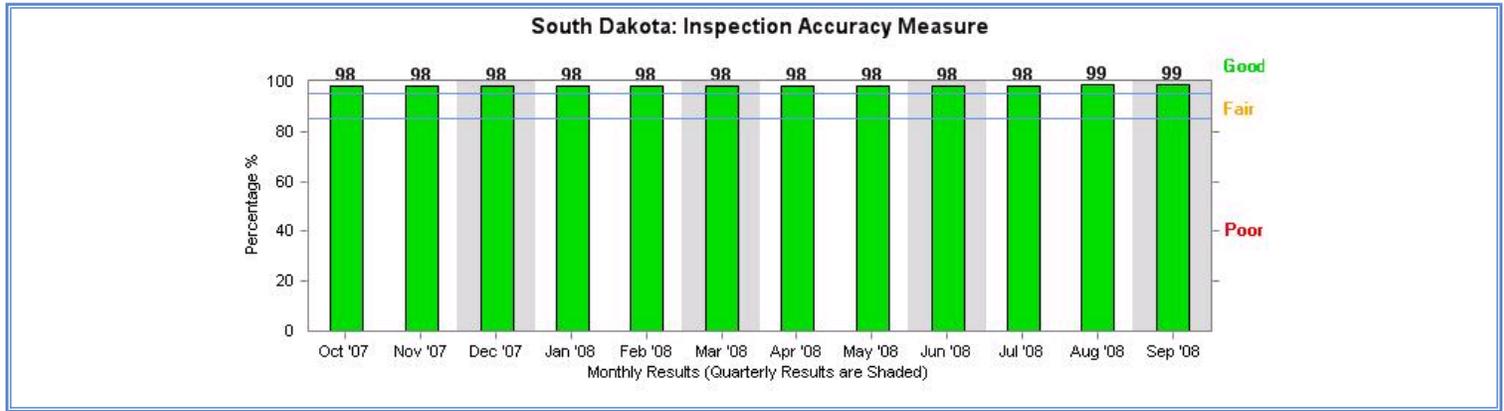
Data Source: MCMIS inspection records for 12 months that represent interstate and intrastate carriers and includes large truck and bus vehicle types.

South Dakota: 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](#)



South Dakota: 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	27,543	387	1%	27,156	99%		
Aug '08	8/22/2008	6/1/2007 - 5/31/2008	G	27,731	399	1%	27,332	99%		
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	G	28,046	428	2%	27,618	98%		
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	G	28,313	428	2%	27,885	98%		
May '08	5/23/2008	3/1/2007 - 2/29/2008	G	28,531	441	2%	28,090	98%		
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	G	28,552	446	2%	28,106	98%		
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	G	28,431	451	2%	27,980	98%		
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	G	28,781	439	2%	28,342	98%		
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	G	28,692	445	2%	28,247	98%		
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	G	28,391	450	2%	27,941	98%		
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	G	28,303	463	2%	27,840	98%		
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	G	28,475	465	2%	28,010	98%		

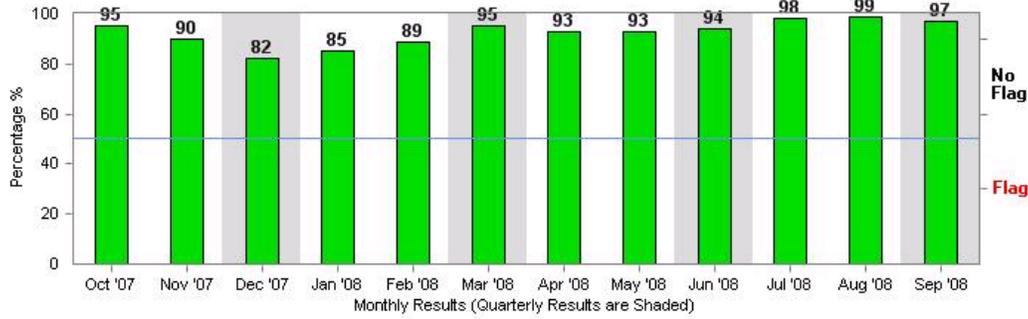
Rating Criteria		
Rating		Criteria
Good	G	Percentage of matched records is >= 95%
Fair	Y	Percentage of matched records is 85-94%
Poor	P	Percentage of matched records is < 85%

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.

South Dakota: 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. [\(View Methodology\)](#)

South Dakota: Crash Consistency Overriding Indicator



South Dakota: 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	349	281	299	310	302	97%
Aug '08	8/22/2008	6/1/2007 - 5/31/2008	No Flag	341	300	280	307	303	99%
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	No Flag	353	301	278	311	305	98%
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	No Flag	350	303	274	309	289	94%
May '08	5/23/2008	3/1/2007 - 2/29/2008	No Flag	343	303	273	306	284	93%
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	No Flag	344	311	258	304	283	93%
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	No Flag	325	327	258	303	288	95%
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	No Flag	317	320	281	306	273	89%
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	No Flag	321	316	295	311	263	85%
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	No Flag	304	327	306	312	257	82%
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	No Flag	285	342	296	308	276	90%
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	No Flag	283	348	289	307	291	95%

Rating Criteria

Rating		Criteria
No Flag	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	 Minimum of 1 Good AND 0 Poor
Fair	 Maximum of 1 Poor
Poor	 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	C	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	C	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.