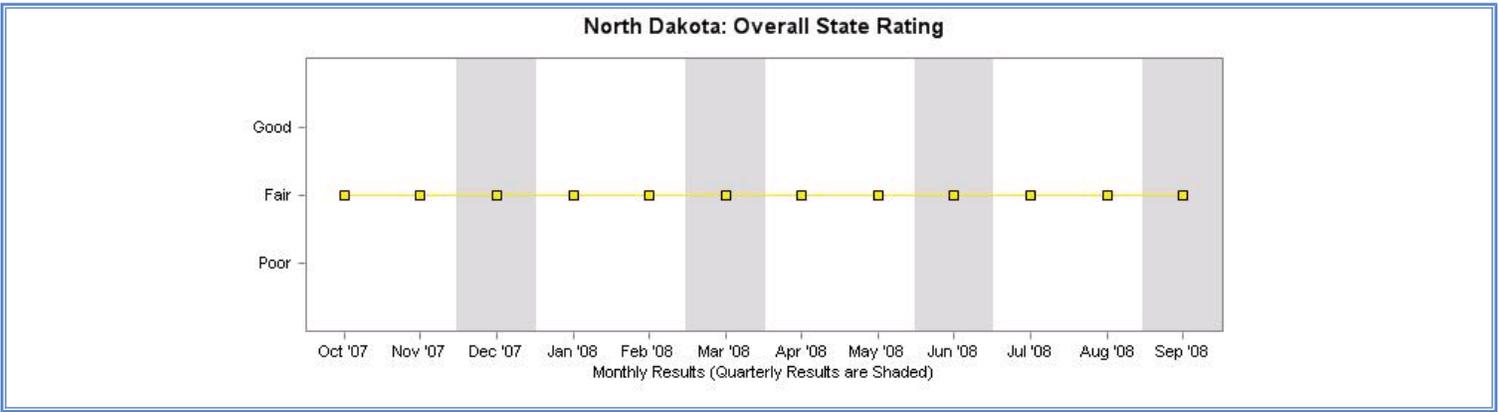


North Dakota: Overall State Rating Report
Monthly Results as of : September 26, 2008

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](#))



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

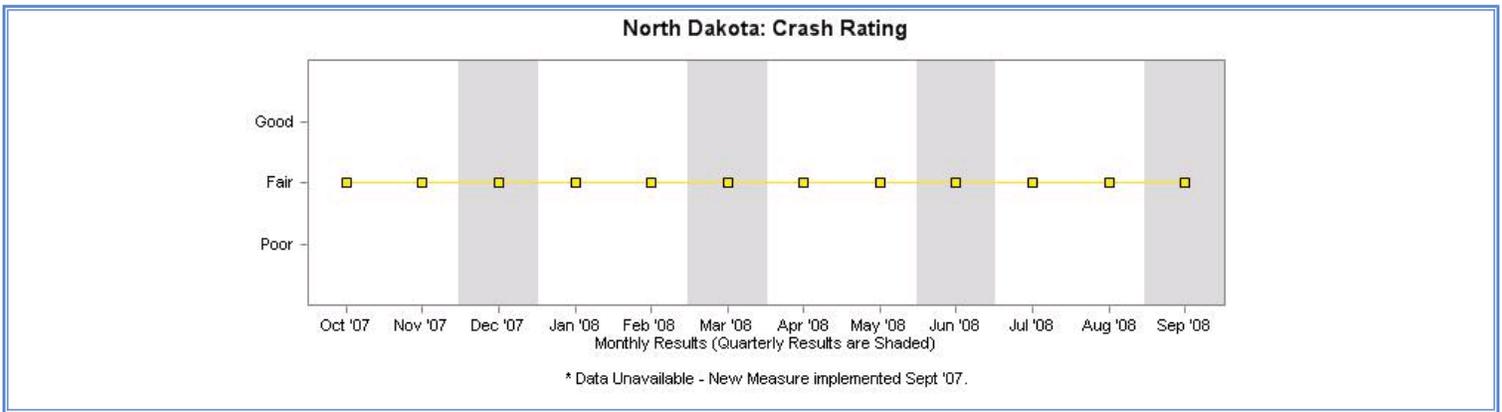
* States that are red flagged are automatically rated POOR overall.
N/A: Data Not Available- New Measure implemented Sept '07.

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

North 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](#))



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

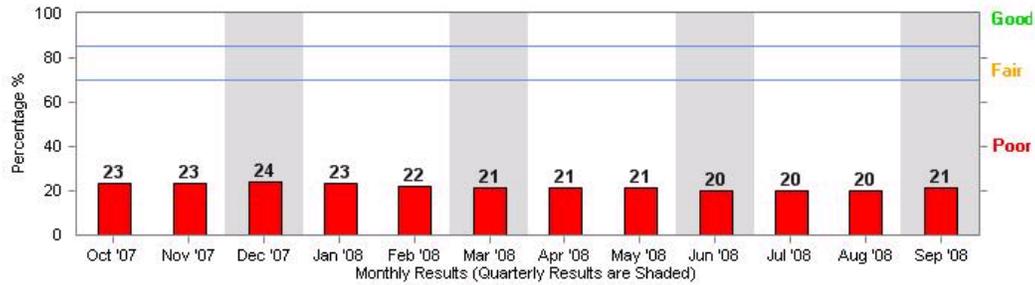
Data Source: FARS records and MCMIS crash records.

North 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](#).

North Dakota: Crash Record Completeness Measure



* Data Unavailable - New Measure implemented Sept '07.

North 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	R	0%	41%	21%
Aug '08	8/22/2008	6/1/2007 - 5/31/2008	R	0%	40%	20%
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	R	0%	40%	20%
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	R	0%	40%	20%
May '08	5/23/2008	3/1/2007 - 2/29/2008	R	0%	42%	21%
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	R	0%	41%	21%
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	R	0%	42%	21%
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	R	0%	44%	22%
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	R	0%	46%	23%
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	R	0%	47%	24%
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	R	0%	46%	23%
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	R	0%	46%	23%

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	298	0	0%	292	291	292	292	0
Aug '08	8/22/2008	302	0	0%	295	293	295	295	0
Jul '08	7/25/2008	291	0	0%	284	282	284	284	0
Jun '08	6/20/2008	307	0	0%	300	298	300	300	0
May '08	5/23/2008	320	0	0%	312	310	312	312	0
Apr '08	4/25/2008	309	0	0%	300	298	300	300	0
Mar '08	3/28/2008	312	0	0%	302	299	303	303	0
Feb '08	2/22/2008	311	0	0%	300	297	301	301	0
Jan '08	1/25/2008	310	0	0%	300	297	301	301	0
Dec '07	12/21/2007	311	0	0%	298	295	299	299	0
Nov '07	11/30/2007	320	0	0%	309	307	310	310	0
Oct '07	10/26/2007	321	0	0%	310	308	311	311	0

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	298	121	41%	148	298	293	246	298
Aug '08	8/22/2008	302	120	40%	145	302	298	247	302
Jul '08	7/25/2008	291	117	40%	141	291	287	239	291
Jun '08	6/20/2008	307	123	40%	153	307	301	252	307
May '08	5/23/2008	320	134	42%	167	320	313	262	320
Apr '08	4/25/2008	309	128	41%	163	309	302	246	309
Mar '08	3/28/2008	312	132	42%	164	312	306	246	312
Feb '08	2/22/2008	311	137	44%	171	311	305	245	311
Jan '08	1/25/2008	310	143	46%	178	310	304	250	310
Dec '07	12/21/2007	311	145	47%	177	311	304	254	311
Nov '07	11/30/2007	320	146	46%	178	320	312	261	320
Oct '07	10/26/2007	321	149	46%	183	321	312	260	321

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%

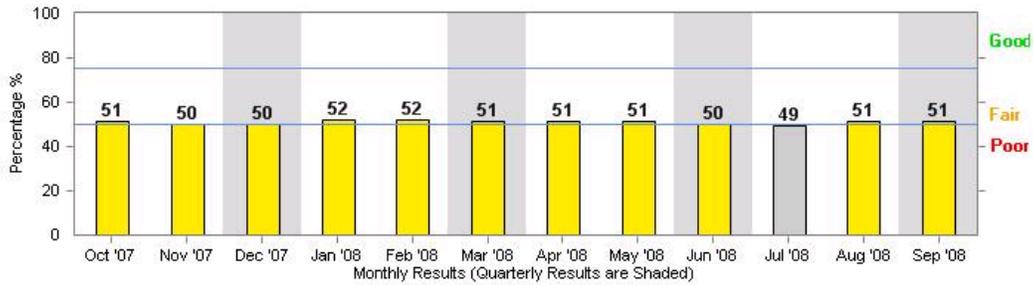
Data Source: MCMIS fatal and non-fatal crash records for 12 months that represent interstate and intrastate carriers and includes large truck and bus vehicle types.

North 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](#))

North Dakota: Non-Fatal Crash Completeness Measure



* Data Unavailable - New Measure implemented Sept '07.

North 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	Y	4/1/2007 - 3/31/2008	573	290	51%	2007	10	17	13	13
Aug '08	8/22/2008	Y	3/1/2007 - 2/29/2008	591	303	51%	2006	14	10	17	14
Jul '08	7/25/2008	I	2/1/2007 - 1/31/2008	591	292	49%	2006	14	10	17	14
Jun '08	6/20/2008	Y	1/1/2007 - 12/31/2007	591	296	50%	2006	14	10	17	14
May '08	5/23/2008	Y	12/1/2006 - 11/30/2007	591	299	51%	2006	14	10	17	14
Apr '08	4/25/2008	Y	11/1/2006 - 10/31/2007	591	299	51%	2006	14	10	17	14
Mar '08	3/28/2008	Y	10/1/2006 - 9/30/2007	591	302	51%	2006	14	10	17	14
Feb '08	2/22/2008	Y	9/1/2006 - 8/31/2007	591	309	52%	2006	14	10	17	14
Jan '08	1/25/2008	Y	8/1/2006 - 7/31/2007	591	309	52%	2006	14	10	17	14
Dec '07	12/21/2007	Y	7/1/2006 - 6/30/2007	591	298	50%	2006	14	10	17	14
Nov '07	11/30/2007	Y	6/1/2006 - 5/31/2007	591	297	50%	2006	14	10	17	14
Oct '07	10/26/2007	Y	5/1/2006 - 4/30/2007	591	299	51%	2006	14	10	17	14

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%

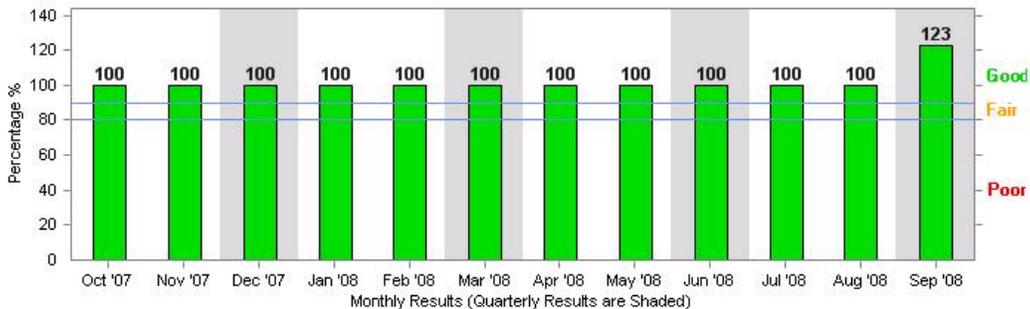
Data Source: MCMIS crash records for 12 months that represent interstate and intrastate carriers and includes large truck and bus vehicle types.

North 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](#))

North Dakota: Fatal Crash Completeness Measure



North 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	G	2007	13	16	123%
Aug '08	8/22/2008	G	2006	17	17	100%
Jul '08	7/25/2008	G	2006	17	17	100%
Jun '08	6/20/2008	G	2006	17	17	100%
May '08	5/23/2008	G	2006	17	17	100%
Apr '08	4/25/2008	G	2006	17	17	100%
Mar '08	3/28/2008	G	2006	17	17	100%
Feb '08	2/22/2008	G	2006	17	17	100%
Jan '08	1/25/2008	G	2006	17	17	100%
Dec '07	12/21/2007	G	2006	17	17	100%
Nov '07	11/30/2007	G	2006	17	17	100%
Oct '07	10/26/2007	G	2006	17	17	100%

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.

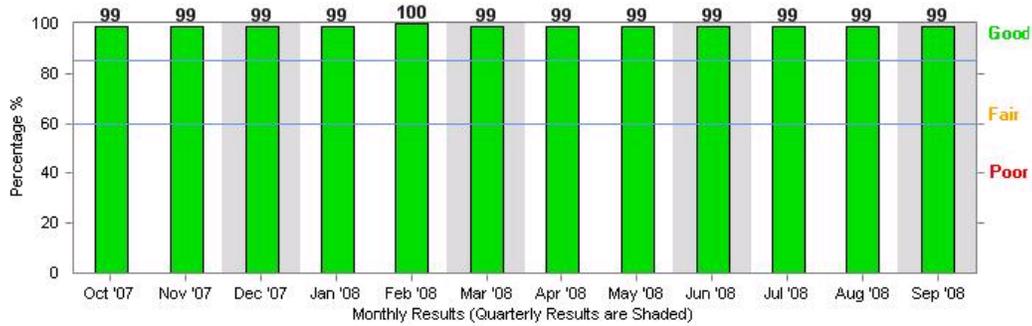
North Dakota: Crash Timeliness Measure Report

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](#)

North Dakota: Crash Timeliness Measure



North 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	G	298	295	99%
Aug '08	8/22/2008	6/1/2007 - 5/31/2008	G	302	299	99%
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	G	291	288	99%
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	G	307	304	99%
May '08	5/23/2008	3/1/2007 - 2/29/2008	G	320	317	99%
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	G	309	306	99%
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	G	312	308	99%
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	G	311	310	100%
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	G	310	308	99%
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	G	311	307	99%
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	G	320	316	99%
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	G	321	317	99%

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%

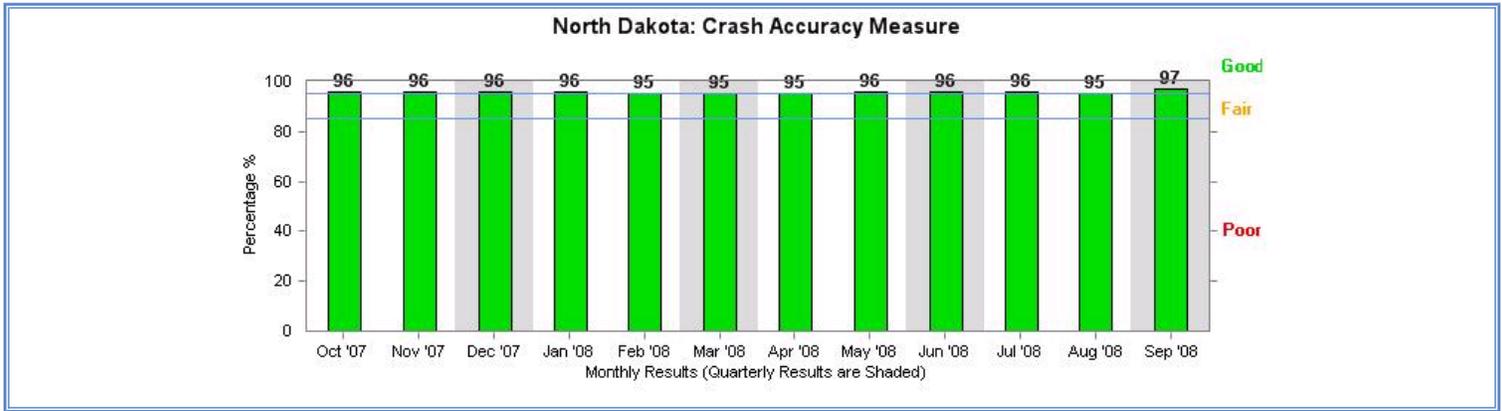
Data Source: MCMIS fatal and non-fatal crash records for 12 months that represent interstate and intrastate carriers and includes large truck and bus vehicle types.

North 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](#)



North 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	G	234	8	3%	226	97%		
Aug '08	8/22/2008	6/1/2007 - 5/31/2008	G	237	11	5%	226	95%		
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	G	227	9	4%	218	96%		
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	G	242	9	4%	233	96%		
May '08	5/23/2008	3/1/2007 - 2/29/2008	G	254	10	4%	244	96%		
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	G	241	12	5%	229	95%		
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	G	241	11	5%	230	95%		
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	G	238	11	5%	227	95%		
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	G	239	9	4%	230	96%		
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	G	231	9	4%	222	96%		
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	G	232	9	4%	223	96%		
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	G	234	9	4%	225	96%		

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%
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")

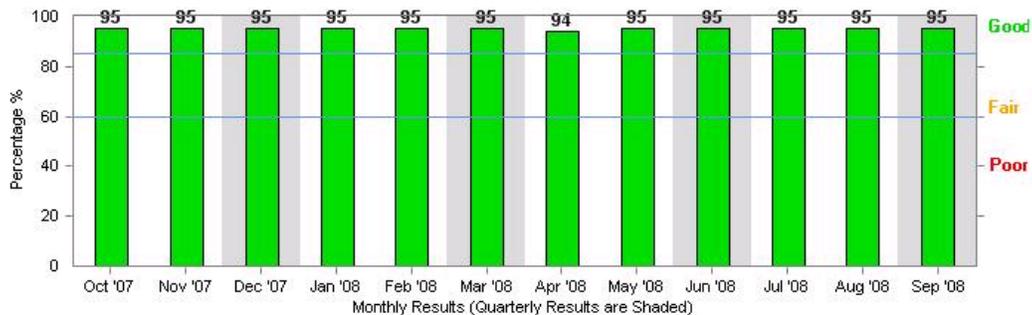
North Dakota: Inspection Timeliness Measure Report

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](#)

North Dakota: Inspection Timeliness Measure



North 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	16,557	15,727	95%
Aug '08	8/22/2008	6/1/2007 - 5/31/2008	G	16,489	15,667	95%
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	G	16,817	16,002	95%
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	G	16,875	15,972	95%
May '08	5/23/2008	3/1/2007 - 2/29/2008	G	17,079	16,151	95%
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	G	17,036	16,056	94%
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	G	17,218	16,284	95%
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	G	17,447	16,497	95%
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	G	17,739	16,802	95%
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	G	17,684	16,755	95%
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	G	17,944	17,032	95%
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	G	18,205	17,275	95%

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%

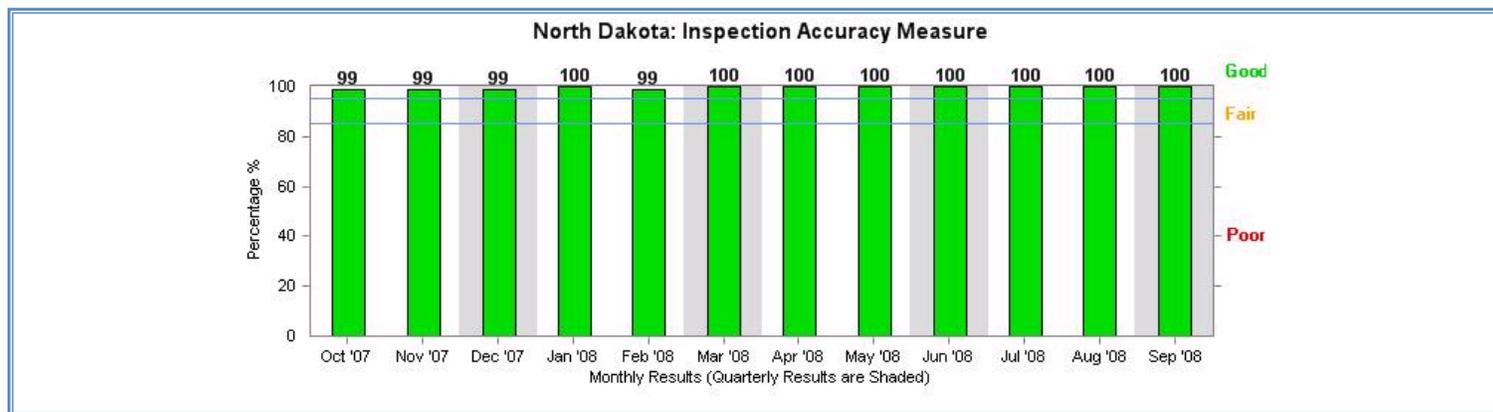
Data Source: MCMIS inspection records for 12 months that represent interstate and intrastate carriers and includes large truck and bus vehicle types.

North 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](#)



North 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	15,597	66	0%	15,531	100%		
Aug '08	8/22/2008	6/1/2007 - 5/31/2008	G	15,486	65	0%	15,421	100%		
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	G	15,778	66	0%	15,712	100%		
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	G	15,802	66	0%	15,736	100%		
May '08	5/23/2008	3/1/2007 - 2/29/2008	G	15,968	71	0%	15,897	100%		
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	G	15,919	71	0%	15,848	100%		
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	G	16,076	74	0%	16,002	100%		
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	G	16,259	82	1%	16,177	99%		
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	G	16,537	82	0%	16,455	100%		
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	G	16,479	88	1%	16,391	99%		
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	G	16,806	102	1%	16,704	99%		
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	G	17,090	122	1%	16,968	99%		

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%

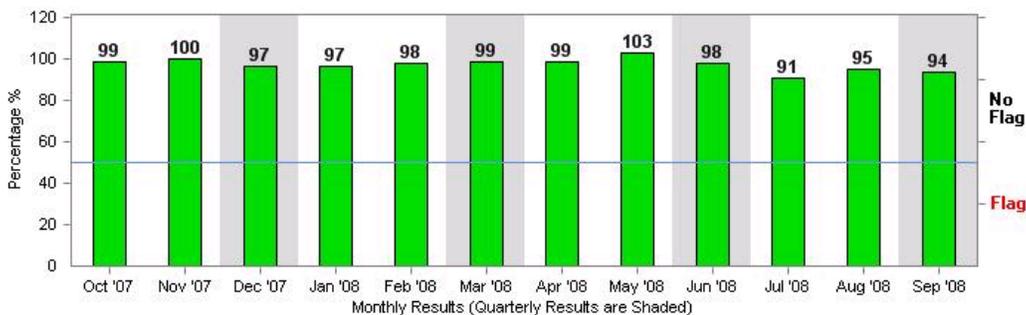
Data Source: MCMIS inspection records for 12 months that represent interstate carriers and intrastate carriers transporting hazardous material and includes large truck and bus vehicle types.

North 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. [\(View Methodology\)](#)

North Dakota: Crash Consistency Overriding Indicator



North 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	282	325	298	302	283	94%
Aug '08	8/22/2008	6/1/2007 - 5/31/2008	No Flag	270	333	297	300	286	95%
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	No Flag	264	339	299	301	275	91%
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	No Flag	272	337	278	296	291	98%
May '08	5/23/2008	3/1/2007 - 2/29/2008	No Flag	286	325	272	294	303	103%
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	No Flag	293	323	272	296	292	99%
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	No Flag	293	331	275	300	296	99%
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	No Flag	304	328	278	303	296	98%
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	No Flag	308	320	287	305	296	97%
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	No Flag	315	317	294	309	300	97%
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	No Flag	326	305	300	310	309	100%
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	No Flag	330	305	302	312	309	99%

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	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.