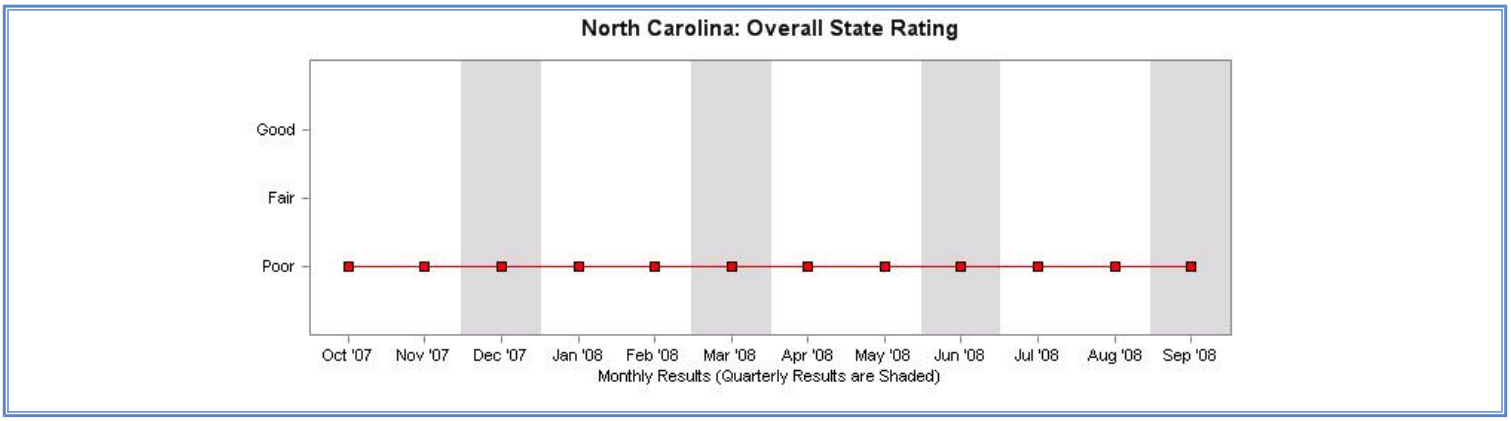
North Carolina: Overall State Rating Report

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

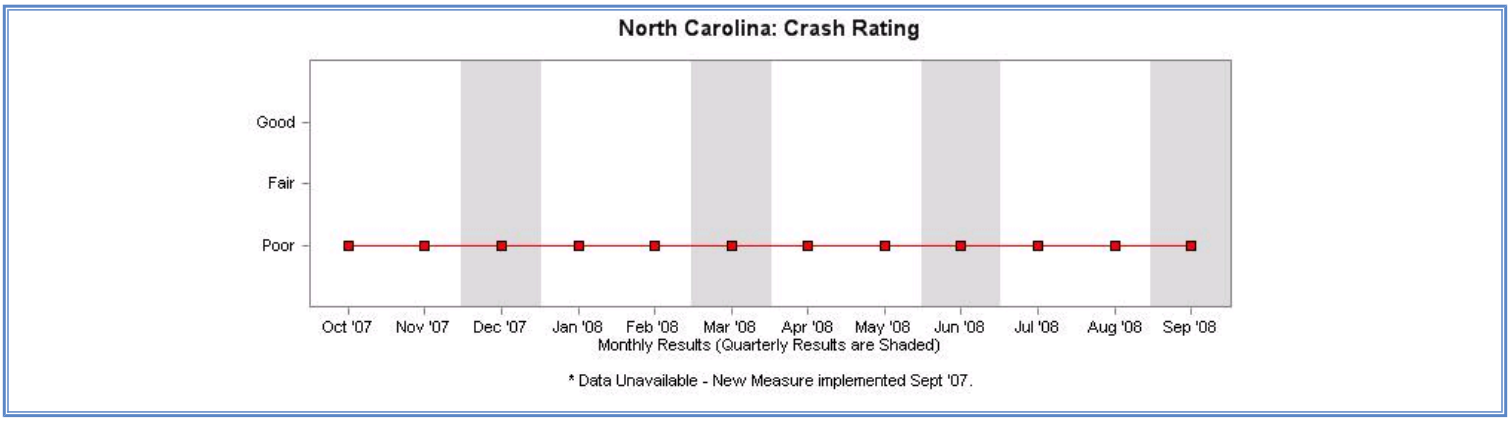
* States that are red flagged are automatically rated POOR overall.
N/A: Data Not Available- New Measure implemented Sept '07.

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

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

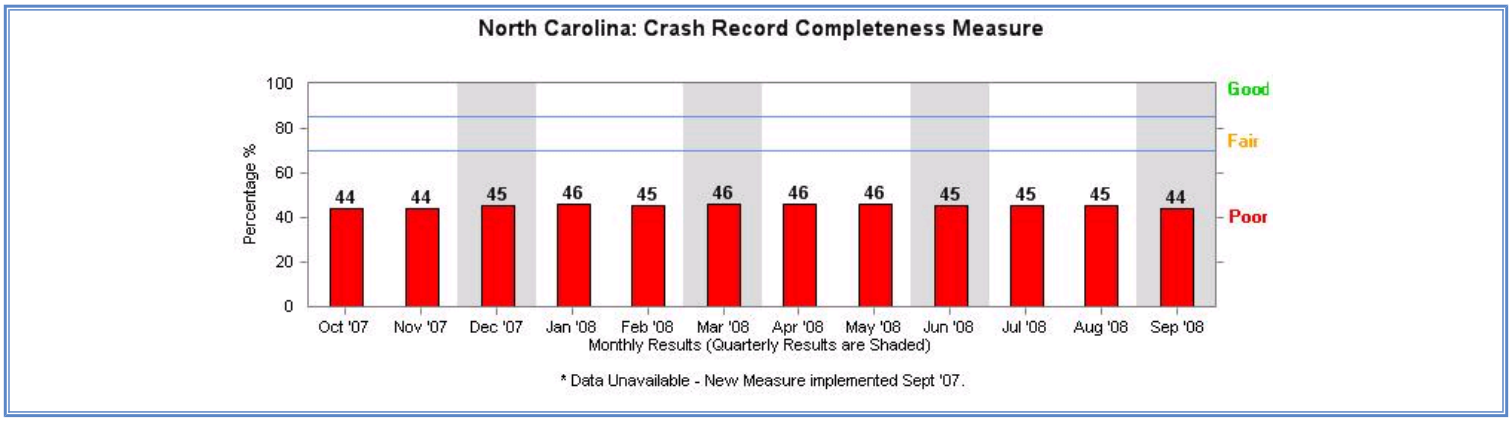
Rating Criteria		
Rating		Criteria
Good	G	Minimum of 1 Good **AND** 0 Poor
Fair	Y	Maximum of 1 Poor
Poor	R	2+ Poor **OR** Red Flagged
* States that are red flagged are automatically rated POOR overall.		

Data Source: FARS records and MCMIS crash records.

North Carolina: 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 Carolina: 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%	88%	44%
Aug '08	8/22/2008	6/1/2007 - 5/31/2008	R	0%	89%	45%
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	R	0%	90%	45%
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	R	0%	90%	45%
May '08	5/23/2008	3/1/2007 - 2/29/2008	R	0%	91%	46%
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	R	0%	91%	46%
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	R	0%	91%	46%
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	R	0%	90%	45%
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	R	0%	91%	46%
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	R	0%	89%	45%
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	R	0%	88%	44%
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	R	0%	88%	44%

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	5,901	0	0%	5,677	5,689	5,689	5,689	0
Aug '08	8/22/2008	5,871	0	0%	5,646	5,657	5,657	5,657	0
Jul '08	7/25/2008	5,959	0	0%	5,744	5,753	5,754	5,754	0
Jun '08	6/20/2008	5,992	0	0%	5,794	5,801	5,802	5,802	0
May '08	5/23/2008	6,057	0	0%	5,860	5,866	5,867	5,867	0
Apr '08	4/25/2008	6,126	0	0%	5,929	5,935	5,936	5,936	0
Mar '08	3/28/2008	6,177	0	0%	5,974	5,979	5,980	5,980	0
Feb '08	2/22/2008	6,073	0	0%	5,880	5,884	5,885	5,885	0
Jan '08	1/25/2008	5,950	0	0%	5,764	5,765	5,766	5,766	0
Dec '07	12/21/2007	5,872	0	0%	5,703	5,704	5,705	5,705	0
Nov '07	11/30/2007	5,939	0	0%	5,765	5,765	5,767	5,767	0
Oct '07	10/26/2007	5,991	0	0%	5,809	5,808	5,811	5,811	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	5,901	5,213	88%	5,855	5,760	5,768	5,817	5,520
Aug '08	8/22/2008	5,871	5,227	89%	5,830	5,745	5,746	5,790	5,505
Jul '08	7/25/2008	5,959	5,340	90%	5,924	5,837	5,836	5,878	5,614
Jun '08	6/20/2008	5,992	5,405	90%	5,956	5,880	5,873	5,917	5,667
May '08	5/23/2008	6,057	5,492	91%	6,025	5,953	5,943	5,984	5,736
Apr '08	4/25/2008	6,126	5,568	91%	6,093	6,018	6,011	6,052	5,816
Mar '08	3/28/2008	6,177	5,601	91%	6,115	6,061	6,049	6,098	5,886
Feb '08	2/22/2008	6,073	5,489	90%	5,989	5,929	5,941	5,992	5,816
Jan '08	1/25/2008	5,950	5,399	91%	5,856	5,812	5,819	5,871	5,730
Dec '07	12/21/2007	5,872	5,245	89%	5,752	5,707	5,731	5,788	5,629
Nov '07	11/30/2007	5,939	5,234	88%	5,803	5,754	5,787	5,853	5,661
Oct '07	10/26/2007	5,991	5,252	88%	5,846	5,793	5,831	5,909	5,706

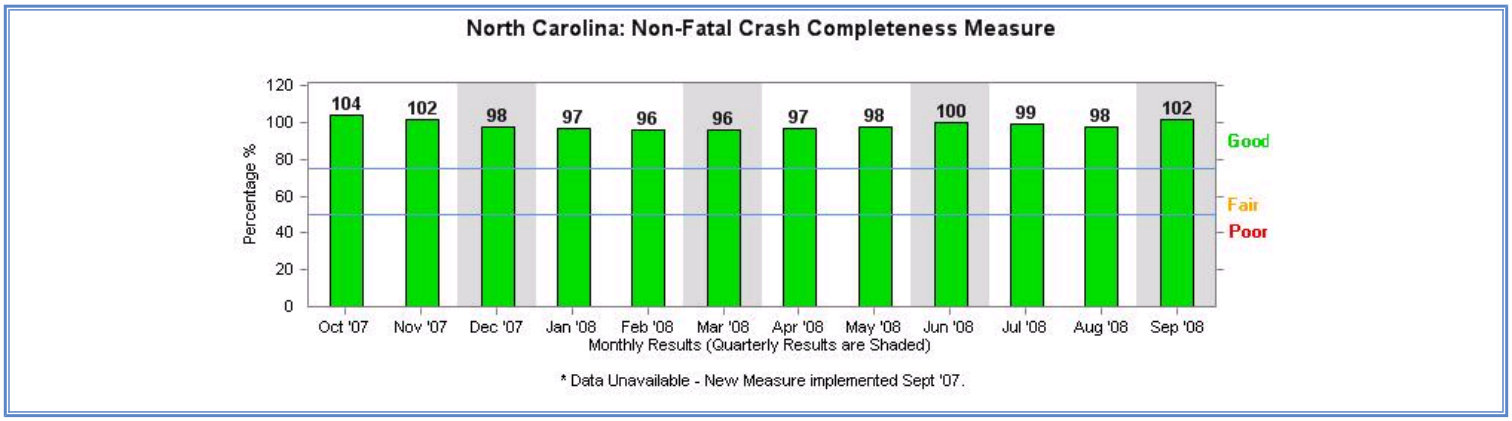
Rating Criteria		
Rating		Criteria
Good	G	Percentage of completed driver and vehicle information is >= 85%
Fair	Y	Percentage of completed driver and vehicle information is 70-84%
Poor	R	Percentage of completed driver and vehicle information is < 70%

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 Carolina: 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 Carolina: 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	5,784	5,880	102%	2007	200	150	160	170
Aug '08	8/22/2008	G	3/1/2007 - 2/29/2008	6,144	6,015	98%	2006	192	200	150	181
Jul '08	7/25/2008	G	2/1/2007 - 1/31/2008	6,144	6,078	99%	2006	192	200	150	181
Jun '08	6/20/2008	G	1/1/2007 - 12/31/2007	6,144	6,131	100%	2006	192	200	150	181
May '08	5/23/2008	G	12/1/2006 - 11/30/2007	6,144	5,995	98%	2006	192	200	150	181
Apr '08	4/25/2008	G	11/1/2006 - 10/31/2007	6,144	5,932	97%	2006	192	200	150	181
Mar '08	3/28/2008	G	10/1/2006 - 9/30/2007	6,144	5,876	96%	2006	192	200	150	181
Feb '08	2/22/2008	G	9/1/2006 - 8/31/2007	6,144	5,905	96%	2006	192	200	150	181
Jan '08	1/25/2008	G	8/1/2006 - 7/31/2007	6,144	5,944	97%	2006	192	200	150	181
Dec '07	12/21/2007	G	7/1/2006 - 6/30/2007	6,144	6,026	98%	2006	192	200	150	181
Nov '07	11/30/2007	G	6/1/2006 - 5/31/2007	6,144	6,238	102%	2006	192	200	150	181
Oct '07	10/26/2007	G	5/1/2006 - 4/30/2007	6,144	6,360	104%	2006	192	200	150	181

Rating Criteria

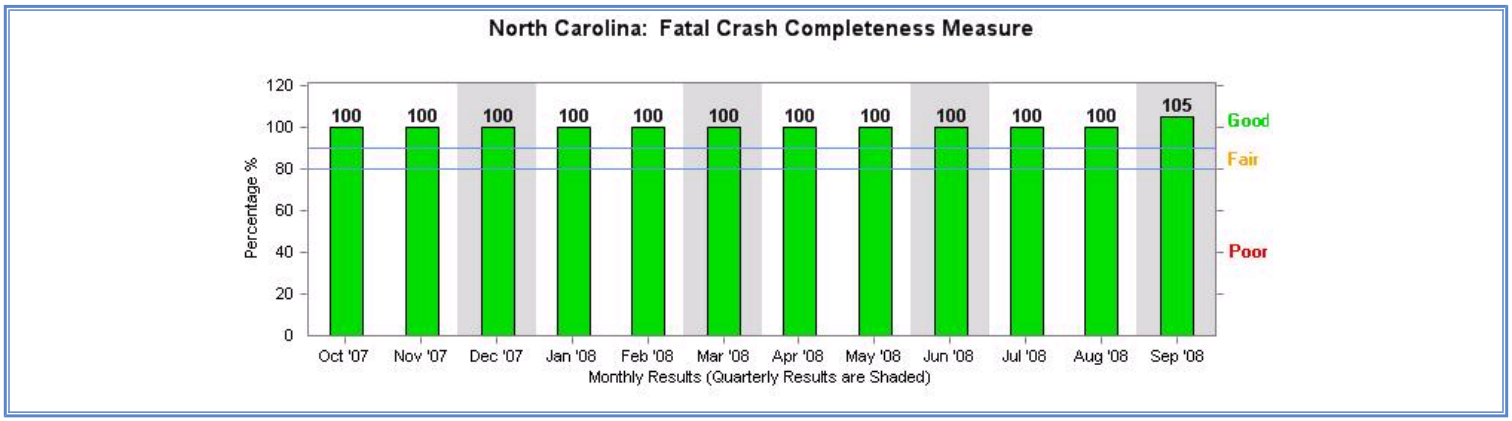
Rating		Criteria
Good	G	Percentage of non-fatal crash records reported is >= 75%
Fair	Y	Percentage of non-fatal crash records reported is 50-75%
Poor	R	Percentage of non-fatal crash records reported is < 50%
Insufficient Data	I	State has < 15 average # of fatal crash records **AND** percentage of non-fatal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

North Carolina: 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 Carolina: 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	151	158	105%
Aug '08	8/22/2008	G	2006	148	148	100%
Jul '08	7/25/2008	G	2006	148	148	100%
Jun '08	6/20/2008	G	2006	148	148	100%
May '08	5/23/2008	G	2006	148	148	100%
Apr '08	4/25/2008	G	2006	148	148	100%
Mar '08	3/28/2008	G	2006	148	148	100%
Feb '08	2/22/2008	G	2006	148	148	100%
Jan '08	1/25/2008	G	2006	148	148	100%
Dec '07	12/21/2007	G	2006	148	148	100%
Nov '07	11/30/2007	G	2006	148	148	100%
Oct '07	10/26/2007	G	2006	148	148	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%

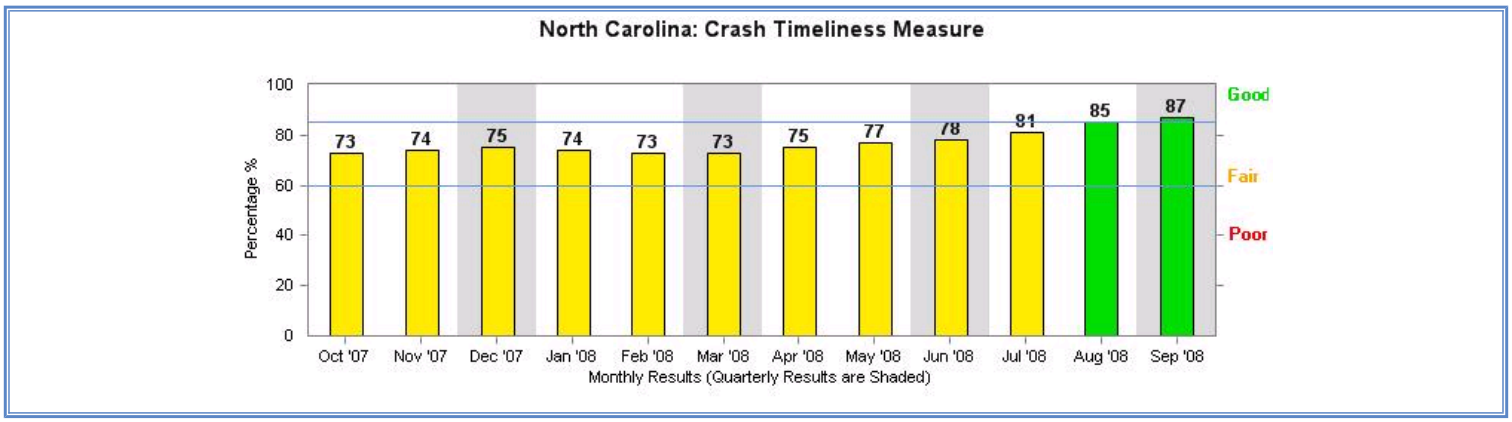
Data Source: FARS records and MCMIS crash records that represent interstate and intrastate carriers and include **large truck** vehicle type involved in fatal crashes.

North Carolina: 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 Carolina: 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	5,901	5,151	87%
Aug '08	8/22/2008	6/1/2007 - 5/31/2008	G	5,871	4,977	85%
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	Y	5,959	4,833	81%
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	Y	5,992	4,700	78%
May '08	5/23/2008	3/1/2007 - 2/29/2008	Y	6,057	4,681	77%
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	Y	6,126	4,614	75%
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	Y	6,177	4,515	73%
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	Y	6,073	4,461	73%
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	Y	5,950	4,402	74%
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	Y	5,872	4,416	75%
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	Y	5,939	4,398	74%
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	Y	5,991	4,385	73%

Rating Criteria

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

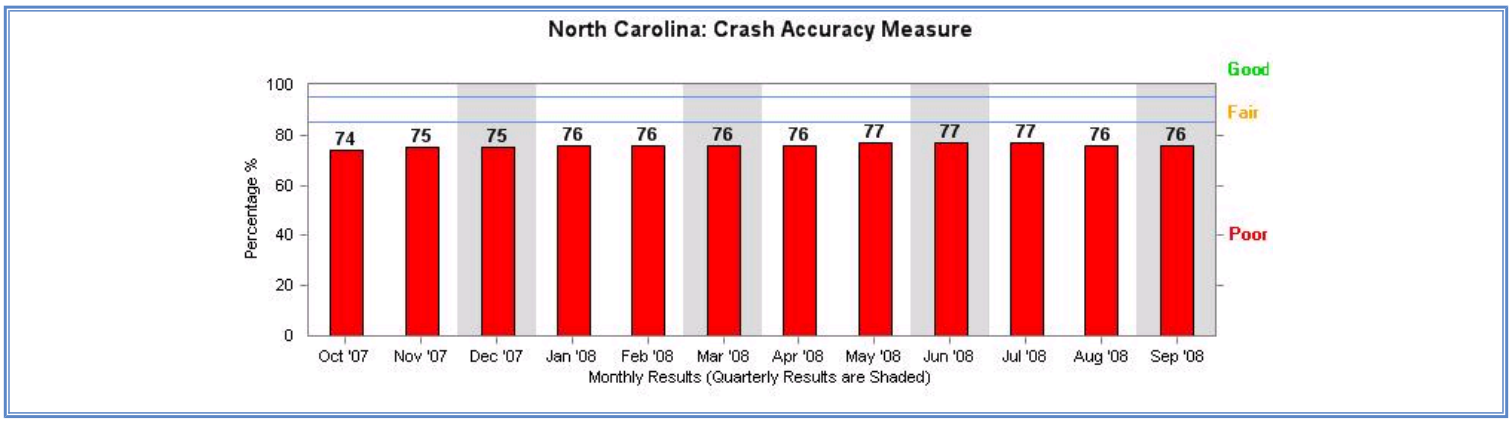
Data Source: MCMIS fatal and non-fatal crash records for 12 months that represent interstate and intrastate carriers and includes large truck and bus vehicle types.

North Carolina: 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 Carolina: 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	R	3,888	924	24%	2,964	76%
Aug '08	8/22/2008	6/1/2007 - 5/31/2008	R	3,936	927	24%	3,009	76%
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	R	4,018	927	23%	3,091	77%
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	R	4,036	934	23%	3,102	77%
May '08	5/23/2008	3/1/2007 - 2/29/2008	R	4,147	967	23%	3,180	77%
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	R	4,200	1,000	24%	3,200	76%
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	R	4,227	1,017	24%	3,210	76%
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	R	4,192	1,001	24%	3,191	76%
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	R	4,140	987	24%	3,153	76%
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	R	4,125	1,017	25%	3,108	75%
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	R	4,123	1,046	25%	3,077	75%
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	R	4,135	1,067	26%	3,068	74%

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%

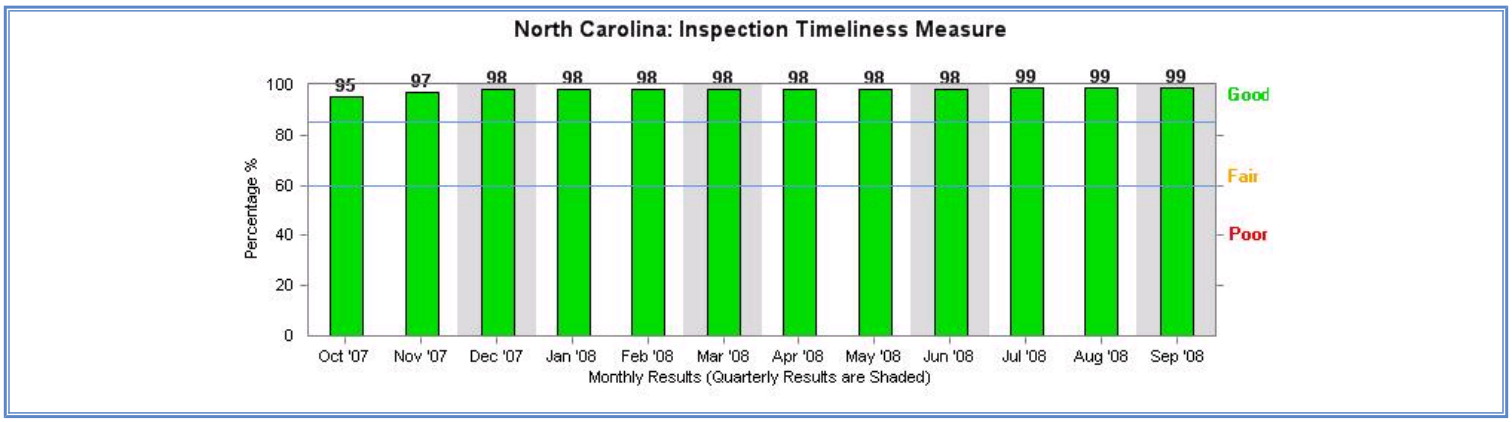
Data Source: MCMIS fatal and non-fatal crash records for 12 months that represent interstate carriers and intrastate carriers transporting hazardous material and includes large truck and bus vehicle types. (Excludes crash records entered per FMCSA's "Procedures for Entering Crashes without Carrier Identification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

North Carolina: 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 Carolina: 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	83,896	83,311	99%
Aug '08	8/22/2008	6/1/2007 - 5/31/2008	G	82,054	81,108	99%
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	G	82,241	81,009	99%
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	G	80,984	79,743	98%
May '08	5/23/2008	3/1/2007 - 2/29/2008	G	80,340	79,075	98%
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	G	78,490	77,180	98%
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	G	76,609	75,198	98%
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	G	75,294	73,841	98%
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	G	73,299	71,714	98%
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	G	70,425	68,710	98%
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	G	69,602	67,380	97%
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	G	68,752	65,588	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%

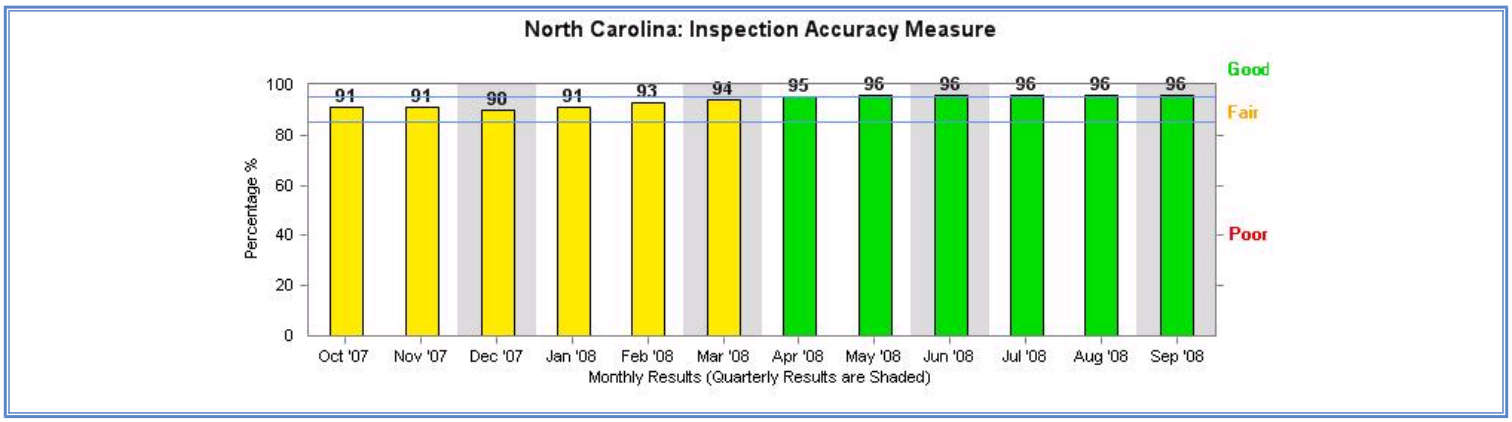
Data Source: MCMIS inspection records for 12 months that represent interstate and intrastate carriers and includes large truck and bus vehicle types.

North Carolina: 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 Carolina: 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	69,032	2,480	4%	66,552	96%
Aug '08	8/22/2008	6/1/2007 - 5/31/2008	G	67,196	2,385	4%	64,811	96%
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	G	66,612	2,423	4%	64,189	96%
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	G	65,199	2,373	4%	62,826	96%
May '08	5/23/2008	3/1/2007 - 2/29/2008	G	64,861	2,523	4%	62,338	96%
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	G	64,239	3,059	5%	61,180	95%
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	Y	63,755	4,012	6%	59,743	94%
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	Y	63,294	4,705	7%	58,589	93%
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	Y	62,263	5,343	9%	56,920	91%
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	Y	60,240	5,743	10%	54,497	90%
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	Y	60,210	5,642	9%	54,568	91%
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	Y	59,837	5,543	9%	54,294	91%

Rating Criteria

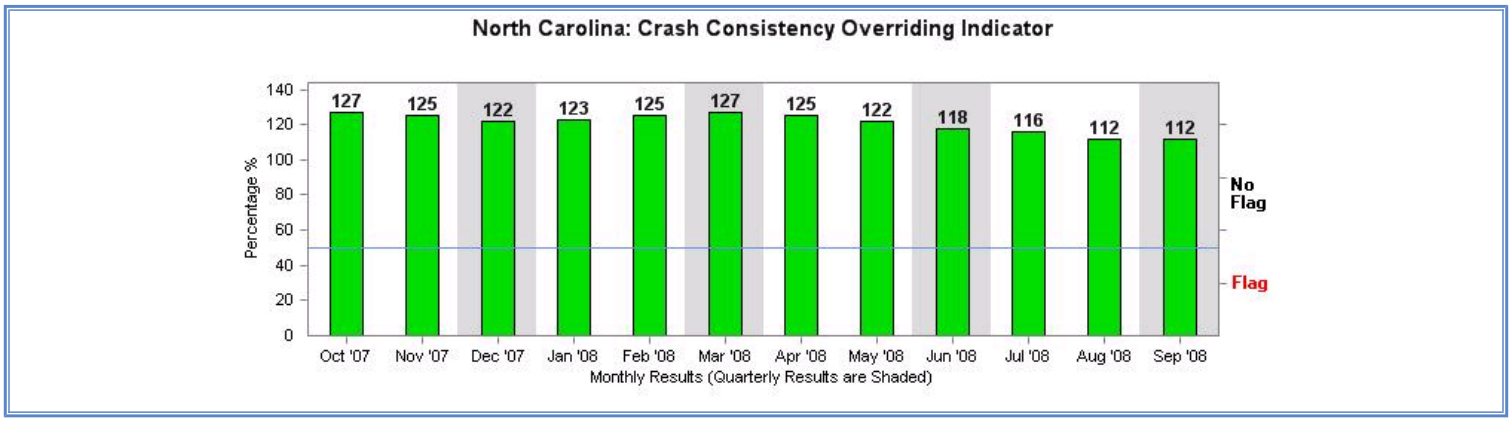
Rating		Criteria
Good	G	Percentage of matched records is >= 95%
Fair	Y	Percentage of matched records is 85-94%
Poor	R	Percentage of matched records is < 85%

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 Carolina: 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 Carolina: Crash Consistency Overriding Indicator — Download Data

Monthly Results	MCMIS Run Date	Event Date Range	Rating	Year 1 Date Range -3 Years	Year 2 Date Range -2 Years	Year 3 Date Range -1 Year	Avg # Records over Previous 3 Years	Total # Records for Date Range	Estimate Reported for Date Range
Sep '08	9/26/2008	7/1/2007 - 6/30/2008	No Flag	3,367	5,855	6,157	5,126	5,744	112%
Aug '08	8/22/2008	6/1/2007 - 5/31/2008	No Flag	3,548	5,382	6,350	5,093	5,715	112%
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	No Flag	3,764	4,822	6,439	5,008	5,796	116%
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	No Flag	4,020	4,400	6,382	4,934	5,831	118%
May '08	5/23/2008	3/1/2007 - 2/29/2008	No Flag	4,129	4,074	6,320	4,841	5,893	122%
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	No Flag	4,305	3,758	6,266	4,776	5,961	125%
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	No Flag	4,431	3,556	6,240	4,742	6,017	127%
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	No Flag	4,359	3,601	6,232	4,731	5,913	125%
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	No Flag	4,334	3,572	6,213	4,706	5,783	123%
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	No Flag	4,324	3,487	6,187	4,666	5,710	122%
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	No Flag	4,262	3,432	6,150	4,615	5,779	125%
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	No Flag	4,303	3,356	6,046	4,568	5,824	127%

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.

Overall State Rating

State Safety Data Quality Measures

Crash

1. Crash Record Completeness
   a. Driver Identification
   b. Vehicle Identification
2. Non-Fatal Crash Completeness
3. Fatal Crash Completeness
4. Crash Timeliness
5. Crash Accuracy

Inspection

6. Inspection Timeliness
7. Inspection Accuracy

Overriding Indicator

1. Crash Consistency

Crash Rating

State Safety Data Quality Measures

Crash

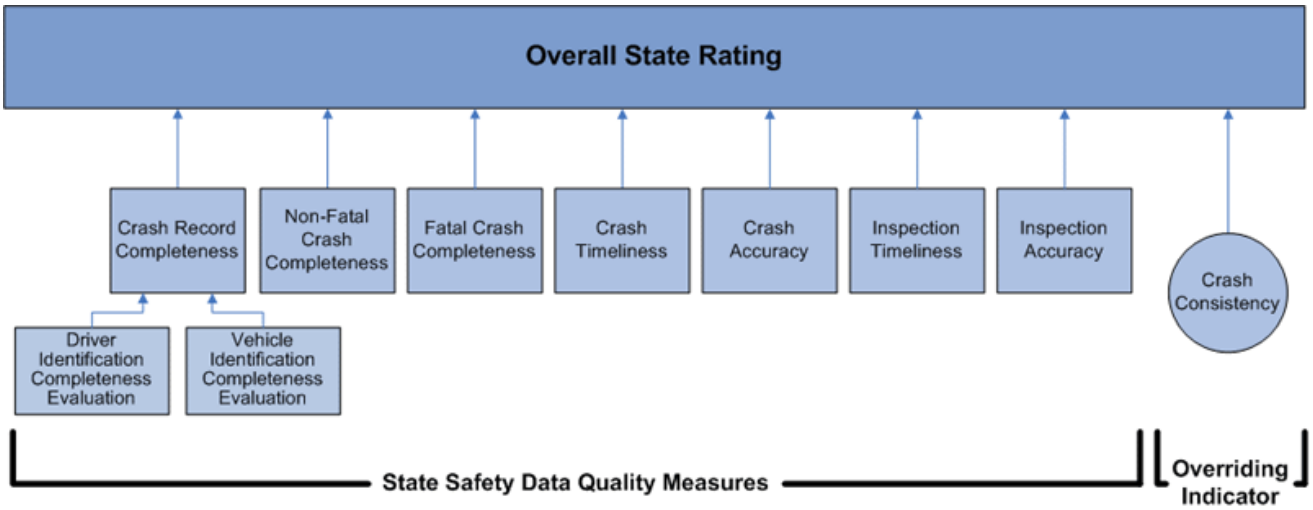
1. Crash Record Completeness
   a. Driver Identification
   b. Vehicle Identification
2. Non-Fatal Crash Completeness
3. Fatal Crash Completeness
4. Crash Timeliness
5. Crash Accuracy

Overriding Indicator

1. Crash Consistency

State Safety Data Quality Ratings

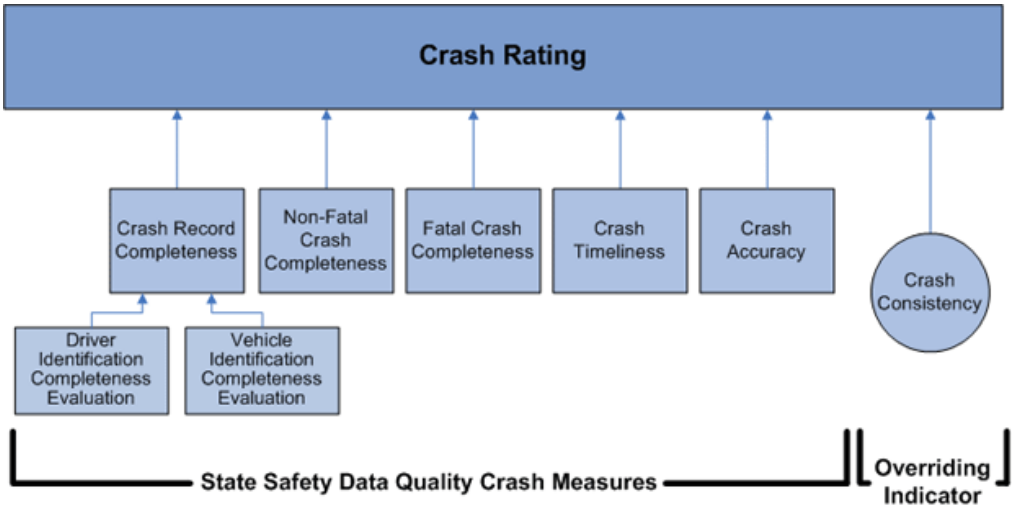
Overall State Rating: Considers all seven SSDQ measures and the Overriding Indicator, except measures with a rating of "Insufficient Data." States receive an overall score based on ratings in each of the measures and the Overriding Indicator. A State that has received a "red flag" will be automatically 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.)



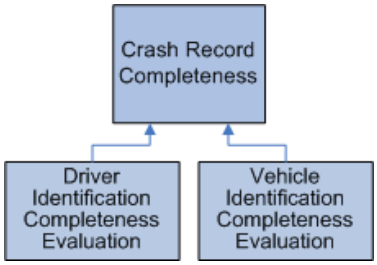
The Crash Rating is determined as follows:

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 >= 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	G	Percentage of non-fatal crash records reported is >= 75%
Fair	Y	Percentage of non-fatal crash records reported is 50 - 74%
Poor	R	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%

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	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%

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	G	Percentage reported within 90 Days is >= 85%
Fair	Y	Percentage reported within 90 Days is 60 - 84%
Poor	R	Percentage reported within 90 Days is < 60%
Insufficient Data	I	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	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%

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	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%

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	G	Percentage of matched records is >= 95%
Fair	Y	Percentage of matched records is 85 - 94%
Poor	R	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	I	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.