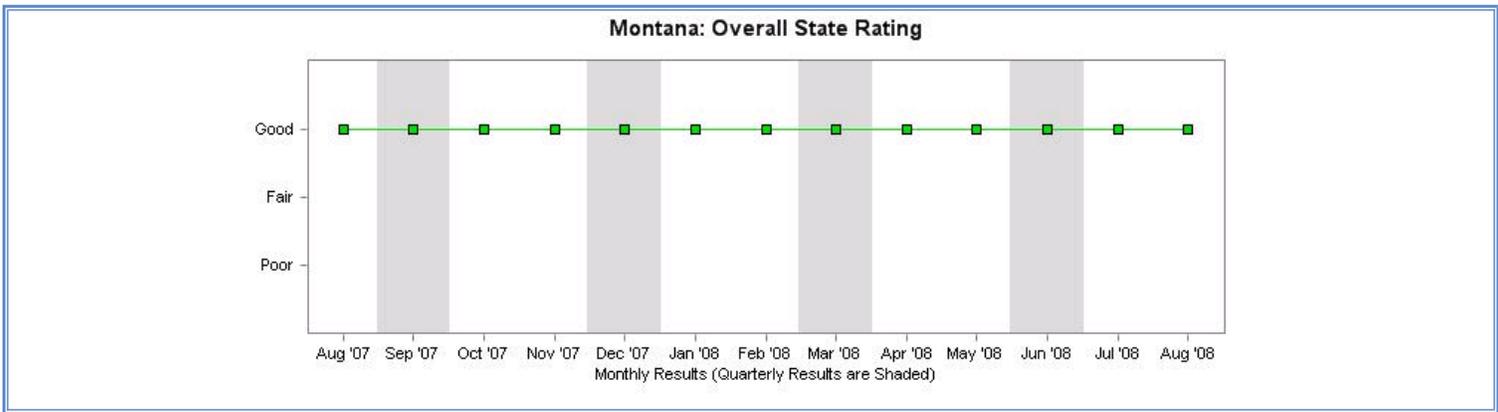


Montana: Overall State Rating Report
Monthly Results as of : August 22, 2008

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](#))



Montana: 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	
Aug '08	8/22/2008	G	G	G	G	G	G	G	G	No Flag	
Jul '08	7/25/2008	G	G	G	G	G	G	G	G	No Flag	
Jun '08	6/20/2008	G	G	G	G	G	G	G	G	No Flag	
May '08	5/23/2008	G	G	G	G	G	G	G	G	No Flag	
Apr '08	4/25/2008	G	G	G	G	G	G	G	G	No Flag	
Mar '08	3/28/2008	G	G	G	G	G	G	G	G	No Flag	
Feb '08	2/22/2008	G	Y	G	G	G	G	G	G	No Flag	
Jan '08	1/25/2008	G	Y	G	G	G	G	G	G	No Flag	
Dec '07	12/21/2007	G	Y	G	G	G	G	G	G	No Flag	
Nov '07	11/30/2007	G	Y	G	G	G	G	G	G	No Flag	
Oct '07	10/26/2007	G	Y	G	G	G	G	G	G	No Flag	
Sep '07	9/21/2007	G	Y	G	G	G	G	G	G	No Flag	
Aug '07	8/24/2007	G	N/A	N/A	G	G	G	G	G	No Flag	

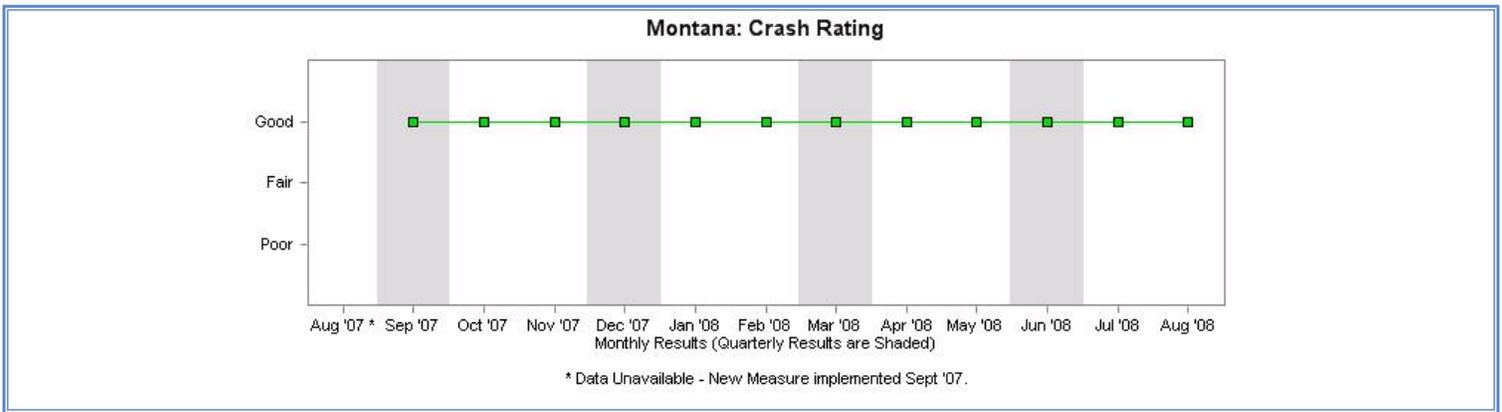
Overall State Rating Description		
Rating		Criteria
Good	G	Minimum of 1 Good AND 0 Poor
Fair	Y	Maximum of 1 Poor
Poor	R	2+ Poor OR Red Flagged

* 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.

Montana: Crash Rating Report
Monthly Results as of : August 22, 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](#))



Montana: 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
Aug '08	8/22/2008	G	G	G	G	G	G	No Flag
Jul '08	7/25/2008	G	G	G	G	G	G	No Flag
Jun '08	6/20/2008	G	G	G	G	G	G	No Flag
May '08	5/23/2008	G	G	G	G	G	G	No Flag
Apr '08	4/25/2008	G	G	G	G	G	G	No Flag
Mar '08	3/28/2008	G	G	G	G	G	G	No Flag
Feb '08	2/22/2008	G	Y	G	G	G	G	No Flag
Jan '08	1/25/2008	G	Y	G	G	G	G	No Flag
Dec '07	12/21/2007	G	Y	G	G	G	G	No Flag
Nov '07	11/30/2007	G	Y	G	G	G	G	No Flag
Oct '07	10/26/2007	G	Y	G	G	G	G	No Flag
Sep '07	9/21/2007	G	Y	G	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	P	2+ Poor OR Red Flagged

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

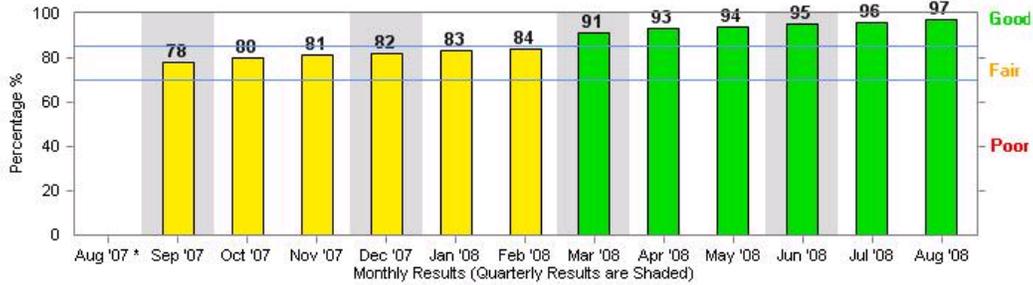
Data Source: FARS records and MCMIS crash records.

Montana: Crash Record Completeness Measure Report

Monthly Results as of : August 22, 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](#).

Montana: Crash Record Completeness Measure



* Data Unavailable - New Measure implemented Sept '07.

Montana: 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
Aug '08	8/22/2008	6/1/2007 - 5/31/2008	G	96%	98%	97%
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	G	94%	97%	96%
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	G	93%	96%	95%
May '08	5/23/2008	3/1/2007 - 2/29/2008	G	92%	96%	94%
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	G	90%	95%	93%
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	G	87%	94%	91%
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	Y	79%	88%	84%
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	Y	77%	88%	83%
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	Y	76%	87%	82%
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	Y	75%	87%	81%
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	Y	74%	85%	80%
Sep '07	9/21/2007	7/1/2006 - 6/30/2007	Y	72%	83%	78%

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
Aug '08	8/22/2008	632	605	96%	622	625	625	625	606
Jul '08	7/25/2008	636	601	94%	625	628	628	628	602
Jun '08	6/20/2008	625	584	93%	614	616	616	616	585
May '08	5/23/2008	608	558	92%	597	599	599	599	559
Apr '08	4/25/2008	643	579	90%	629	630	630	630	579
Mar '08	3/28/2008	625	546	87%	611	612	613	613	546
Feb '08	2/22/2008	632	499	79%	614	616	620	620	500
Jan '08	1/25/2008	595	459	77%	578	581	585	585	461
Dec '07	12/21/2007	609	461	76%	591	594	598	598	463
Nov '07	11/30/2007	612	457	75%	589	594	598	598	459
Oct '07	10/26/2007	625	460	74%	601	606	611	611	462
Sep '07	9/21/2007	659	476	72%	633	639	644	644	478

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
Aug '08	8/22/2008	632	618	98%	628	628	631	628	628
Jul '08	7/25/2008	636	616	97%	632	632	635	631	626
Jun '08	6/20/2008	625	603	96%	621	621	623	620	614
May '08	5/23/2008	608	585	96%	604	606	606	600	595
Apr '08	4/25/2008	643	610	95%	639	640	641	631	623
Mar '08	3/28/2008	625	586	94%	619	618	623	608	602
Feb '08	2/22/2008	632	556	88%	620	620	628	604	581
Jan '08	1/25/2008	595	525	88%	582	584	592	569	550
Dec '07	12/21/2007	609	531	87%	593	598	606	579	560
Nov '07	11/30/2007	612	530	87%	594	600	609	581	560
Oct '07	10/26/2007	625	532	85%	605	610	622	591	564
Sep '07	9/21/2007	659	548	83%	634	640	655	614	588

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%

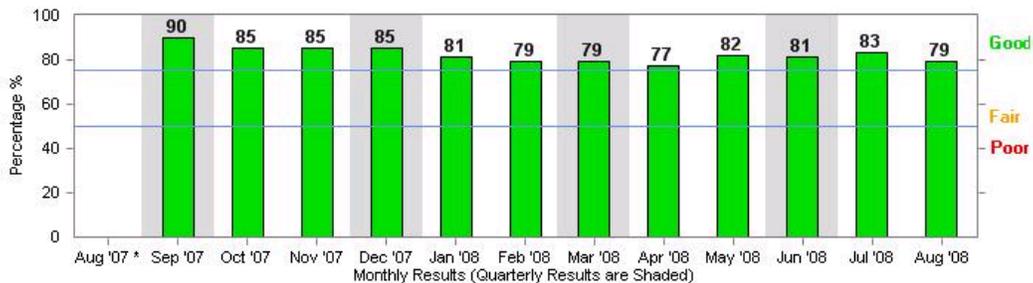
Data Source: MCMIS fatal and non-fatal crash records for 12 months that represent interstate and intrastate carriers and includes large truck and bus vehicle types.

Montana: Non-Fatal Crash Completeness Measure Report

Monthly Results as of : August 22, 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](#))

Montana: Non-Fatal Crash Completeness Measure



* Data Unavailable - New Measure implemented Sept '07.

Montana: 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
Aug '08	8/22/2008	G	3/1/2007 - 2/29/2008	740	586	79%	2006	15	22	26	21
Jul '08	7/25/2008	G	2/1/2007 - 1/31/2008	740	615	83%	2006	15	22	26	21
Jun '08	6/20/2008	G	1/1/2007 - 12/31/2007	740	597	81%	2006	15	22	26	21
May '08	5/23/2008	G	12/1/2006 - 11/30/2007	740	605	82%	2006	15	22	26	21
Apr '08	4/25/2008	G	11/1/2006 - 10/31/2007	740	568	77%	2006	15	22	26	21
Mar '08	3/28/2008	G	10/1/2006 - 9/30/2007	740	584	79%	2006	15	22	26	21
Feb '08	2/22/2008	G	9/1/2006 - 8/31/2007	740	588	79%	2006	15	22	26	21
Jan '08	1/25/2008	G	8/1/2006 - 7/31/2007	740	600	81%	2006	15	22	26	21
Dec '07	12/21/2007	G	7/1/2006 - 6/30/2007	740	631	85%	2006	15	22	26	21
Nov '07	11/30/2007	G	6/1/2006 - 5/31/2007	740	629	85%	2006	15	22	26	21
Oct '07	10/26/2007	G	5/1/2006 - 4/30/2007	740	626	85%	2006	15	22	26	21
Sep '07	9/21/2007	G	4/1/2006 - 3/31/2007	740	632	90%	2006	15	22	26	21

Rating Criteria

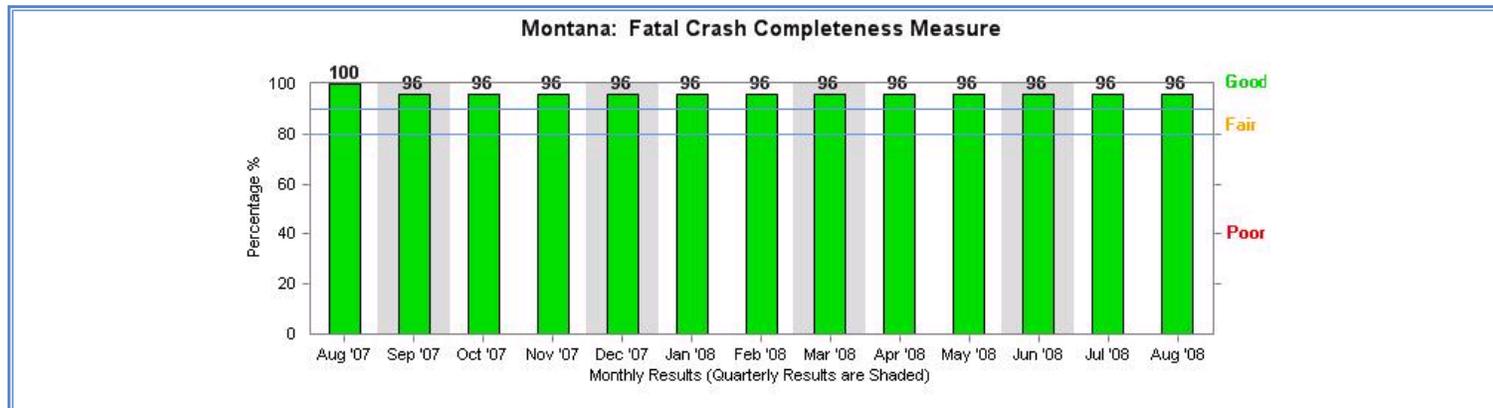
Rating	Criteria
Good G	Percentage of non-fatal crash records reported is >= 75%
Fair Y	Percentage of non-fatal crash records reported is 50-75%
Poor P	Percentage of non-fatal crash records reported is < 50%
Insufficient Data I	State has < 15 average # of fatal crash records AND percentage of non-fatal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

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

Montana: Fatal Crash Completeness Measure Report

Monthly Results as of : August 22, 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](#))



Montana: 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
Aug '08	8/22/2008	G	2006	26	25	96%
Jul '08	7/25/2008	G	2006	26	25	96%
Jun '08	6/20/2008	G	2006	26	25	96%
May '08	5/23/2008	G	2006	26	25	96%
Apr '08	4/25/2008	G	2006	26	25	96%
Mar '08	3/28/2008	G	2006	26	25	96%
Feb '08	2/22/2008	G	2006	26	25	96%
Jan '08	1/25/2008	G	2006	26	25	96%
Dec '07	12/21/2007	G	2006	26	25	96%
Nov '07	11/30/2007	G	2006	26	25	96%
Oct '07	10/26/2007	G	2006	26	25	96%
Sep '07	9/21/2007	G	2006	26	25	96%
Aug '07	8/24/2007	G	2005	22	22	100%

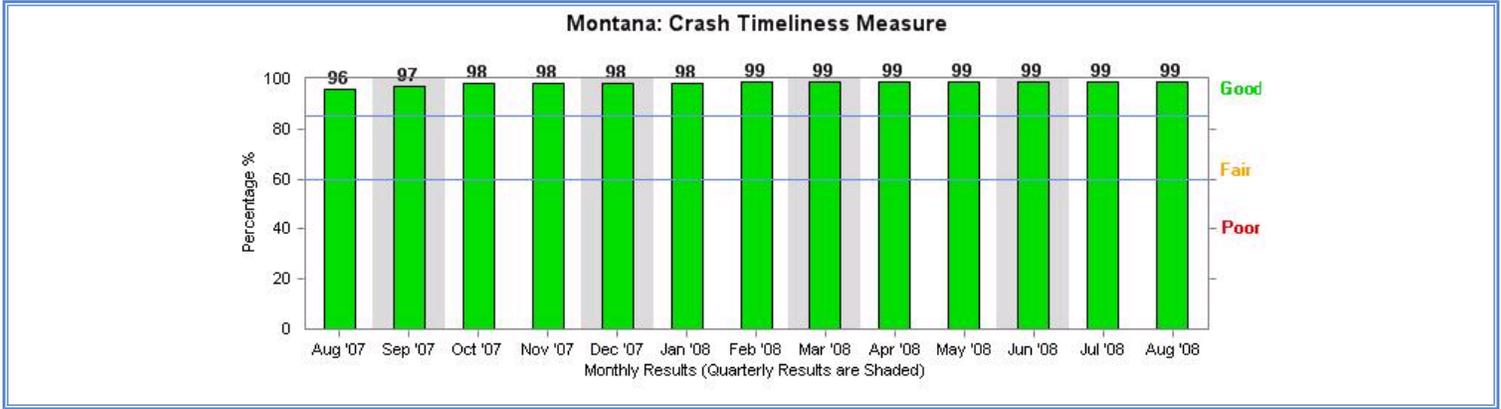
Rating Criteria

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.

Montana: Crash Timeliness Measure Report
Monthly Results as of : August 22, 2008

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



Montana: 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	
Aug '08	8/22/2008	6/1/2007 - 5/31/2008	Good	632	625	99%	
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	Good	636	629	99%	
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	Good	625	617	99%	
May '08	5/23/2008	3/1/2007 - 2/29/2008	Good	608	601	99%	
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	Good	643	635	99%	
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	Good	625	619	99%	
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	Good	632	623	99%	
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	Good	595	586	98%	
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	Good	609	599	98%	
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	Good	612	599	98%	
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	Good	625	610	98%	
Sep '07	9/21/2007	7/1/2006 - 6/30/2007	Good	659	642	97%	
Aug '07	8/24/2007	6/1/2006 - 5/31/2007	Good	659	634	96%	

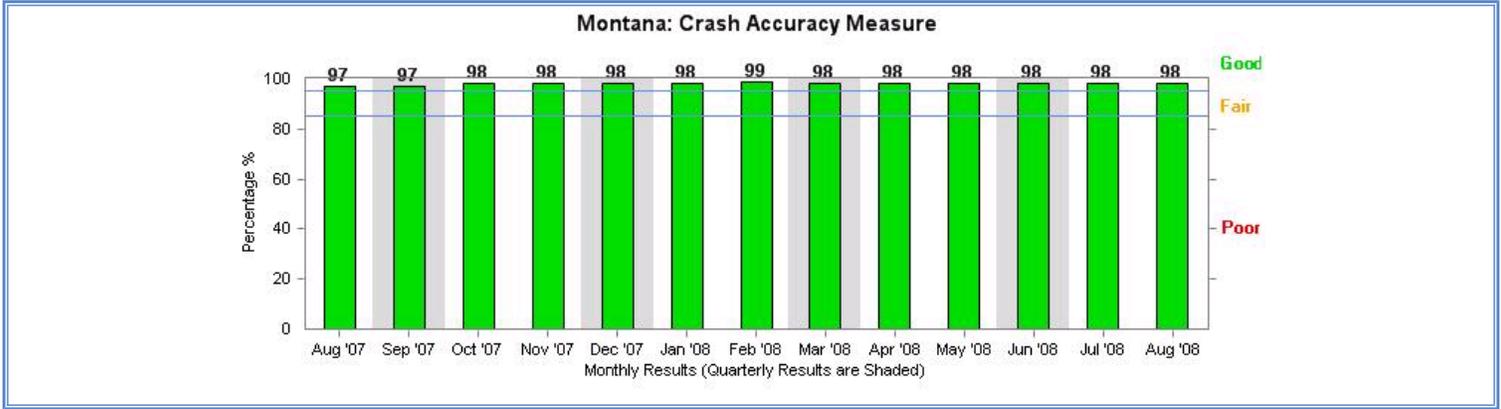
Rating Criteria	
Rating	Criteria
Good	Percentage reported within 90 Days is >= 85%
Fair	Percentage reported within 90 Days is 60-84%
Poor	Percentage reported within 90 Days is < 60%
Insufficient data	State has < 15 records reported in current timeframe AND percentage reported within 90 Days is < 60%

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.

Montana: Crash Accuracy Measure Report

Monthly Results as of : August 22, 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](#))



Montana: 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	
Aug '08	8/22/2008	6/1/2007 - 5/31/2008	G	551	12	2%	539	98%	
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	G	555	11	2%	544	98%	
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	G	544	11	2%	533	98%	
May '08	5/23/2008	3/1/2007 - 2/29/2008	G	529	10	2%	519	98%	
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	G	559	11	2%	548	98%	
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	G	541	11	2%	530	98%	
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	G	549	7	1%	542	99%	
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	G	513	8	2%	505	98%	
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	G	523	13	2%	510	98%	
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	G	522	12	2%	510	98%	
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	G	529	13	2%	516	98%	
Sep '07	9/21/2007	7/1/2006 - 6/30/2007	G	552	14	3%	538	97%	
Aug '07	8/24/2007	6/1/2006 - 5/31/2007	G	552	18	3%	534	97%	

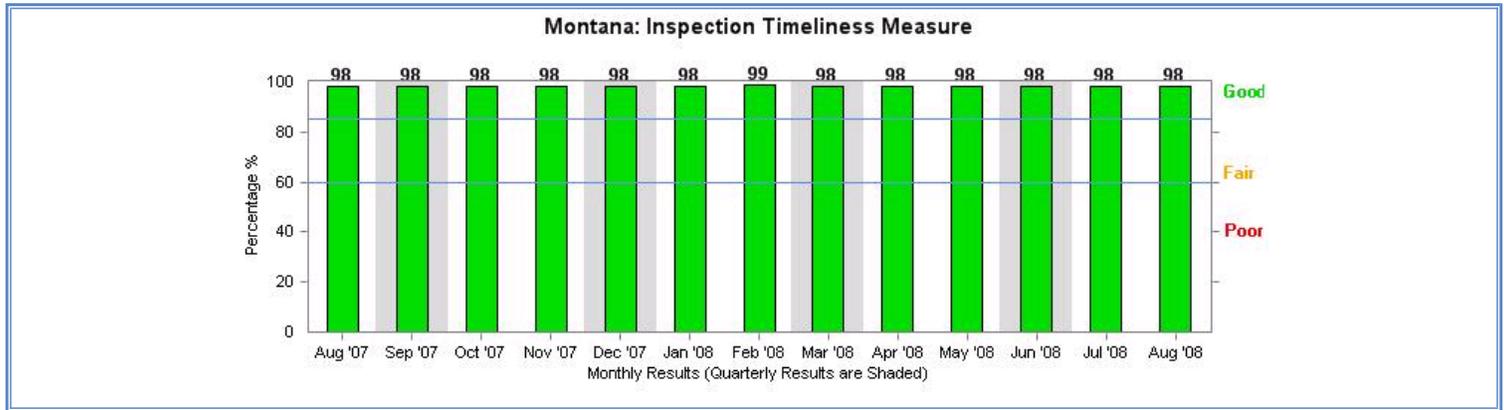
Rating Criteria	
Rating	Criteria
Good	● Percentage of matched records is >= 95%
Fair	● Percentage of matched records is 85-94%
Poor	● Percentage of matched records is < 85%
Insufficient data	● State has < 15 records reported in current timeframe AND percentage of matched records is < 85%

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")

Montana: Inspection Timeliness Measure Report

Monthly Results as of : August 22, 2008

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



Montana: 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
Aug '08	8/22/2008	6/1/2007 - 5/31/2008	G	35,286	34,755	98%
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	G	35,015	34,488	98%
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	G	34,436	33,884	98%
May '08	5/23/2008	3/1/2007 - 2/29/2008	G	34,202	33,625	98%
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	G	33,891	33,304	98%
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	G	34,304	33,741	98%
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	G	34,572	34,069	99%
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	G	34,797	34,215	98%
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	G	35,172	34,580	98%
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	G	36,050	35,458	98%
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	G	36,096	35,502	98%
Sep '07	9/21/2007	7/1/2006 - 6/30/2007	G	35,896	35,313	98%
Aug '07	8/24/2007	6/1/2006 - 5/31/2007	G	35,637	35,056	98%

Rating Criteria

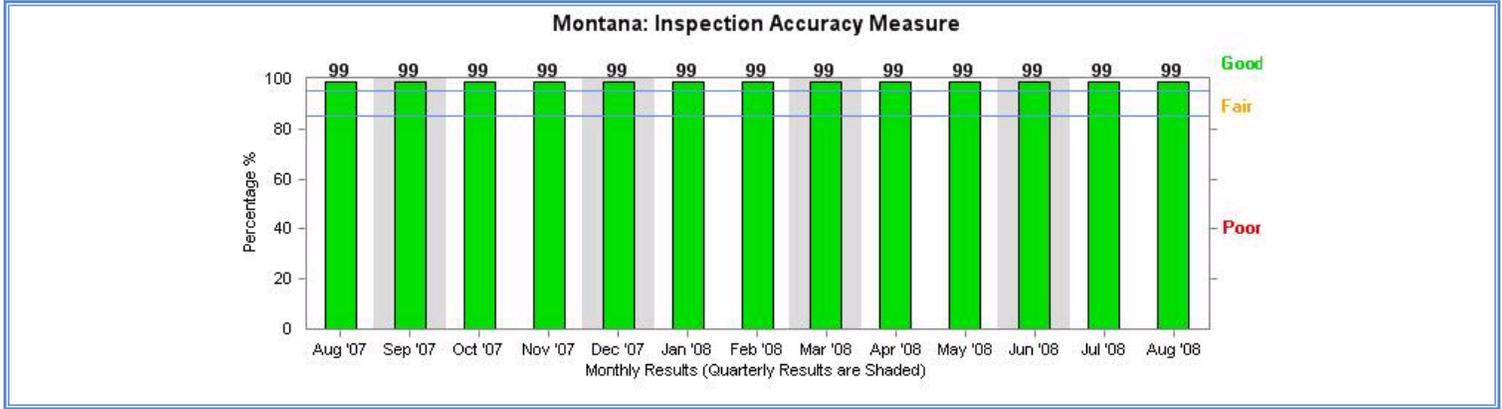
Rating	Criteria
Good	Percentage reported within 21 Days is >= 85%
Fair	Percentage reported within 21 Days is 60-84%
Poor	Percentage reported within 21 Days is < 60%

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

Montana: Inspection Accuracy Measure Report

Monthly Results as of : August 22, 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](#))



Montana: 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
Aug '08	8/22/2008	6/1/2007 - 5/31/2008	G	30,659	187	1%	30,472	99%
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	G	30,343	178	1%	30,165	99%
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	G	29,697	172	1%	29,525	99%
May '08	5/23/2008	3/1/2007 - 2/29/2008	G	29,404	175	1%	29,229	99%
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	G	29,082	174	1%	28,908	99%
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	G	29,493	181	1%	29,312	99%
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	G	29,741	180	1%	29,561	99%
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	G	29,940	179	1%	29,761	99%
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	G	30,369	189	1%	30,180	99%
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	G	31,400	202	1%	31,198	99%
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	G	32,013	204	1%	31,809	99%
Sep '07	9/21/2007	7/1/2006 - 6/30/2007	G	32,479	214	1%	32,265	99%
Aug '07	8/24/2007	6/1/2006 - 5/31/2007	G	32,458	222	1%	32,236	99%

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%

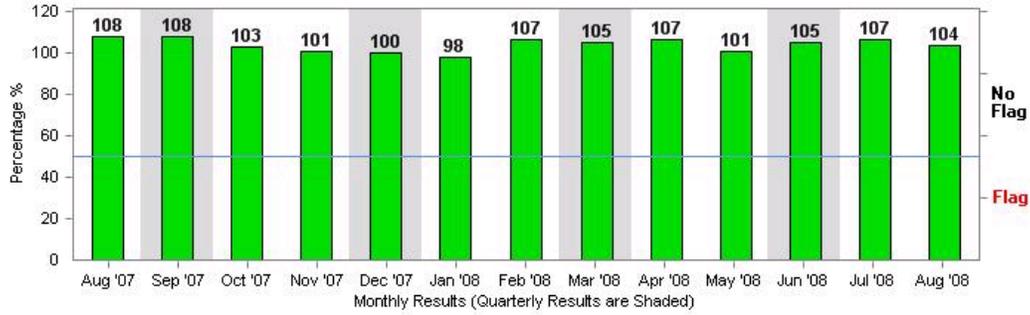
Data Source: MCMIS inspection records for 12 months that represent interstate carriers and intrastate carriers transporting hazardous material and includes large truck and bus vehicle types.

Montana: Crash Consistency Indicator Report

Monthly Results as of : August 22, 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. [\(View Methodology\)](#)

Montana: Crash Consistency Overriding Indicator



Montana: 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			
Aug '08	8/22/2008	6/1/2007 - 5/31/2008	No Flag	566	545	629	580	606	104%
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	No Flag	546	554	626	575	614	107%
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	No Flag	544	549	632	575	605	105%
May '08	5/23/2008	3/1/2007 - 2/29/2008	No Flag	543	564	641	583	586	101%
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	No Flag	567	560	598	575	616	107%
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	No Flag	537	570	599	569	596	105%
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	No Flag	539	559	596	565	604	107%
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	No Flag	579	550	601	577	568	98%
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	No Flag	601	554	594	583	584	100%
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	No Flag	596	571	573	580	587	101%
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	No Flag	592	584	569	582	600	103%
Sep '07	9/21/2007	7/1/2006 - 6/30/2007	No Flag	635	574	540	583	629	108%
Aug '07	8/24/2007	6/1/2006 - 5/31/2007	No Flag	629	565	545	580	629	108%

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: August 22, 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.