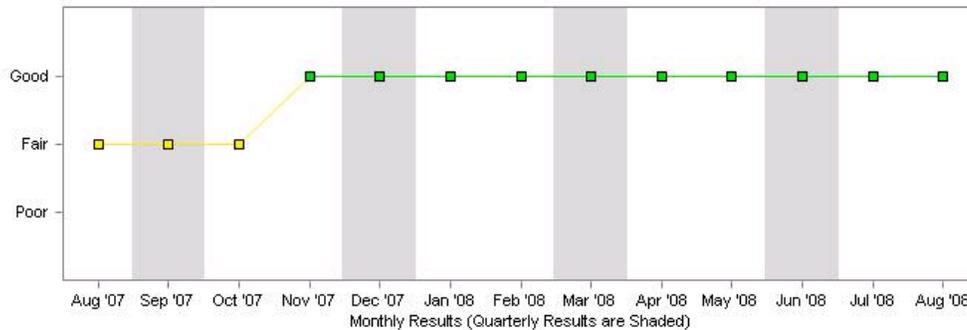


## Massachusetts: Overall State Rating Report

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](#))

### Massachusetts: Overall State Rating



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

#### Overall State Rating Description

Rating	Criteria
Good <span style="color: green;">●</span>	Minimum of 1 Good AND 0 Poor
Fair <span style="color: yellow;">●</span>	Maximum of 1 Poor
Poor <span style="color: red;">●</span>	2+ Poor OR Red Flagged

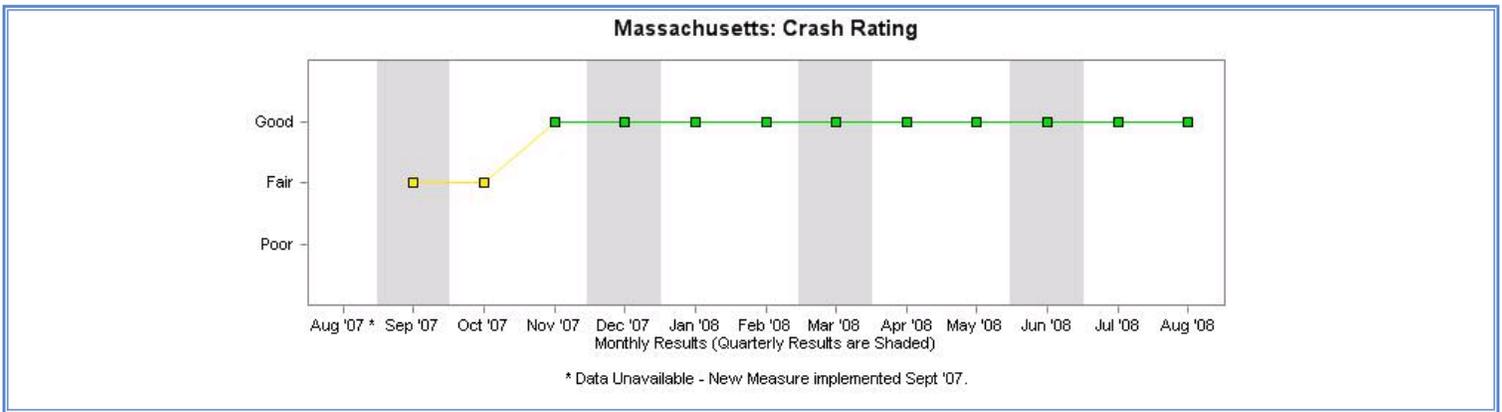
\* States that are red flagged are automatically rated POOR overall.  
 N/A: Data Not Available- New Measure implemented Sept '07.

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

# Massachusetts: 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](#))



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

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

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

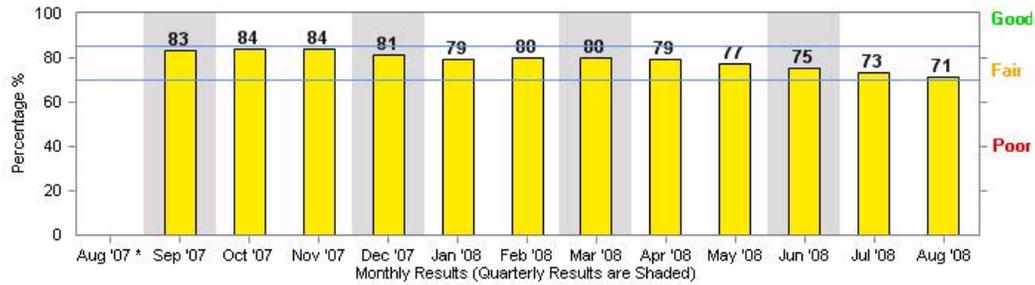
Data Source: FARS records and MCMIS crash records.

# Massachusetts: 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](#).

## Massachusetts: Crash Record Completeness Measure



\* Data Unavailable - New Measure implemented Sept '07.

## Massachusetts: 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	Y	86%	56%	71%
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	Y	86%	59%	73%
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	Y	87%	62%	75%
May '08	5/23/2008	3/1/2007 - 2/29/2008	Y	87%	66%	77%
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	Y	88%	69%	79%
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	Y	87%	72%	80%
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	Y	88%	72%	80%
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	Y	87%	71%	79%
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	Y	88%	74%	81%
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	Y	89%	79%	84%
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	Y	88%	79%	84%
Sep '07	9/21/2007	7/1/2006 - 6/30/2007	Y	88%	77%	83%

## 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	2,089	1,790	86%	1,976	1,986	2,005	2,005	1,794
Jul '08	7/25/2008	2,023	1,744	86%	1,920	1,929	1,948	1,948	1,748
Jun '08	6/20/2008	1,871	1,624	87%	1,777	1,785	1,806	1,806	1,627
May '08	5/23/2008	1,712	1,492	87%	1,623	1,632	1,653	1,653	1,493
Apr '08	4/25/2008	1,628	1,425	88%	1,543	1,551	1,576	1,576	1,427
Mar '08	3/28/2008	1,449	1,267	87%	1,376	1,385	1,409	1,409	1,269
Feb '08	2/22/2008	1,318	1,157	88%	1,255	1,263	1,286	1,290	1,158
Jan '08	1/25/2008	1,343	1,175	87%	1,279	1,288	1,312	1,324	1,176
Dec '07	12/21/2007	1,305	1,153	88%	1,247	1,254	1,283	1,298	1,154
Nov '07	11/30/2007	1,226	1,089	89%	1,173	1,179	1,211	1,222	1,091
Oct '07	10/26/2007	1,197	1,059	88%	1,151	1,156	1,182	1,196	1,061
Sep '07	9/21/2007	1,198	1,050	88%	1,152	1,156	1,181	1,197	1,052

## 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	2,089	1,175	56%	1,691	2,084	2,087	1,508	1,978
Jul '08	7/25/2008	2,023	1,199	59%	1,667	2,017	2,021	1,504	1,919
Jun '08	6/20/2008	1,871	1,158	62%	1,569	1,866	1,870	1,431	1,775
May '08	5/23/2008	1,712	1,133	66%	1,466	1,707	1,711	1,352	1,641
Apr '08	4/25/2008	1,628	1,127	69%	1,422	1,624	1,627	1,311	1,563
Mar '08	3/28/2008	1,449	1,041	72%	1,286	1,445	1,447	1,179	1,391
Feb '08	2/22/2008	1,318	950	72%	1,164	1,314	1,317	1,086	1,265
Jan '08	1/25/2008	1,343	955	71%	1,164	1,339	1,341	1,088	1,251
Dec '07	12/21/2007	1,305	971	74%	1,127	1,304	1,303	1,116	1,213
Nov '07	11/30/2007	1,226	973	79%	1,098	1,225	1,223	1,108	1,177
Oct '07	10/26/2007	1,197	941	79%	1,058	1,197	1,193	1,086	1,146
Sep '07	9/21/2007	1,198	920	77%	1,041	1,198	1,193	1,078	1,148

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%

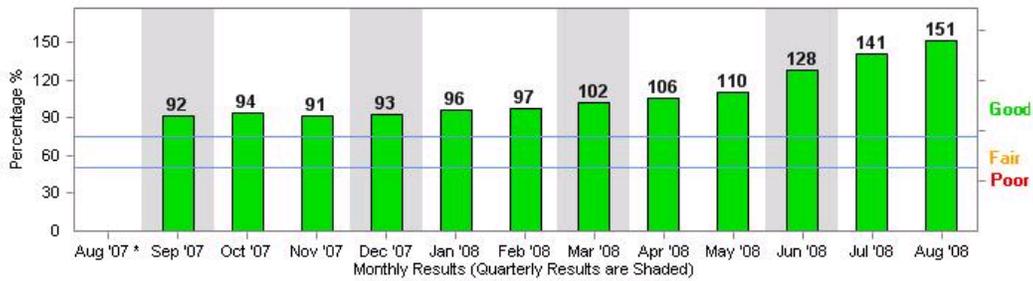
**Data Source:** MCMIS fatal and non-fatal crash records for 12 months that represent interstate and intrastate carriers and includes large truck and bus vehicle types.

## Massachusetts: 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](#))

### Massachusetts: Non-Fatal Crash Completeness Measure



\* Data Unavailable - New Measure implemented Sept '07.

### Massachusetts: 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	1,351	2,040	151%	2006	45	24	35	35
Jul '08	7/25/2008	G	2/1/2007 - 1/31/2008	1,351	1,907	141%	2006	45	24	35	35
Jun '08	6/20/2008	G	1/1/2007 - 12/31/2007	1,351	1,726	128%	2006	45	24	35	35
May '08	5/23/2008	G	12/1/2006 - 11/30/2007	1,351	1,486	110%	2006	45	24	35	35
Apr '08	4/25/2008	G	11/1/2006 - 10/31/2007	1,351	1,435	106%	2006	45	24	35	35
Mar '08	3/28/2008	G	10/1/2006 - 9/30/2007	1,351	1,379	102%	2006	45	24	35	35
Feb '08	2/22/2008	G	9/1/2006 - 8/31/2007	1,351	1,314	97%	2006	45	24	35	35
Jan '08	1/25/2008	G	8/1/2006 - 7/31/2007	1,351	1,291	96%	2006	45	24	35	35
Dec '07	12/21/2007	G	7/1/2006 - 6/30/2007	1,351	1,258	93%	2006	45	24	35	35
Nov '07	11/30/2007	G	6/1/2006 - 5/31/2007	1,351	1,226	91%	2006	45	24	35	35
Oct '07	10/26/2007	G	5/1/2006 - 4/30/2007	1,351	1,270	94%	2006	45	24	35	35
Sep '07	9/21/2007	G	4/1/2006 - 3/31/2007	1,351	1,269	92%	2006	45	24	35	35

#### Rating Criteria

Rating	Criteria
Good <span style="color: green;">G</span>	Percentage of non-fatal crash records reported is >= 75%
Fair <span style="color: yellow;">Y</span>	Percentage of non-fatal crash records reported is 50-75%
Poor <span style="color: red;">P</span>	Percentage of non-fatal crash records reported is < 50%
Insufficient Data <span style="color: gray;">I</span>	State has < 15 average # of fatal crash records AND percentage of non-fatal crash records reported is < 50%

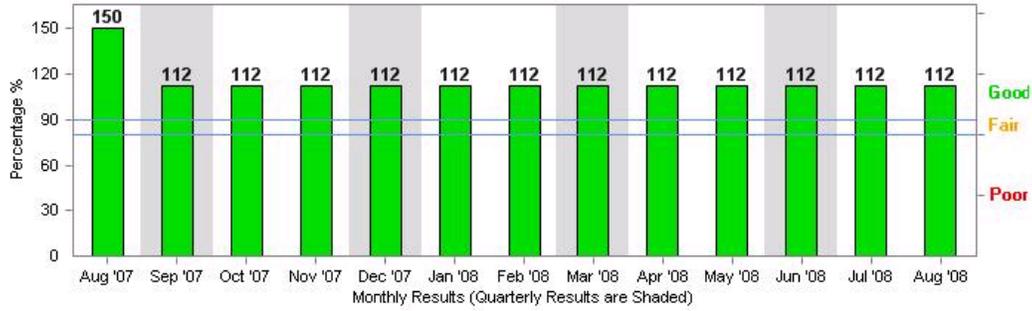
**Data Source:** MCMIS crash records for 12 months that represent interstate and intrastate carriers and includes large truck and bus vehicle types.

# Massachusetts: 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](#))

## Massachusetts: Fatal Crash Completeness Measure



## Massachusetts: 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	33	37	112%
Jul '08	7/25/2008	G	2006	33	37	112%
Jun '08	6/20/2008	G	2006	33	37	112%
May '08	5/23/2008	G	2006	33	37	112%
Apr '08	4/25/2008	G	2006	33	37	112%
Mar '08	3/28/2008	G	2006	33	37	112%
Feb '08	2/22/2008	G	2006	33	37	112%
Jan '08	1/25/2008	G	2006	33	37	112%
Dec '07	12/21/2007	G	2006	33	37	112%
Nov '07	11/30/2007	G	2006	33	37	112%
Oct '07	10/26/2007	G	2006	33	37	112%
Sep '07	9/21/2007	G	2006	33	37	112%
Aug '07	8/24/2007	G	2005	24	36	150%

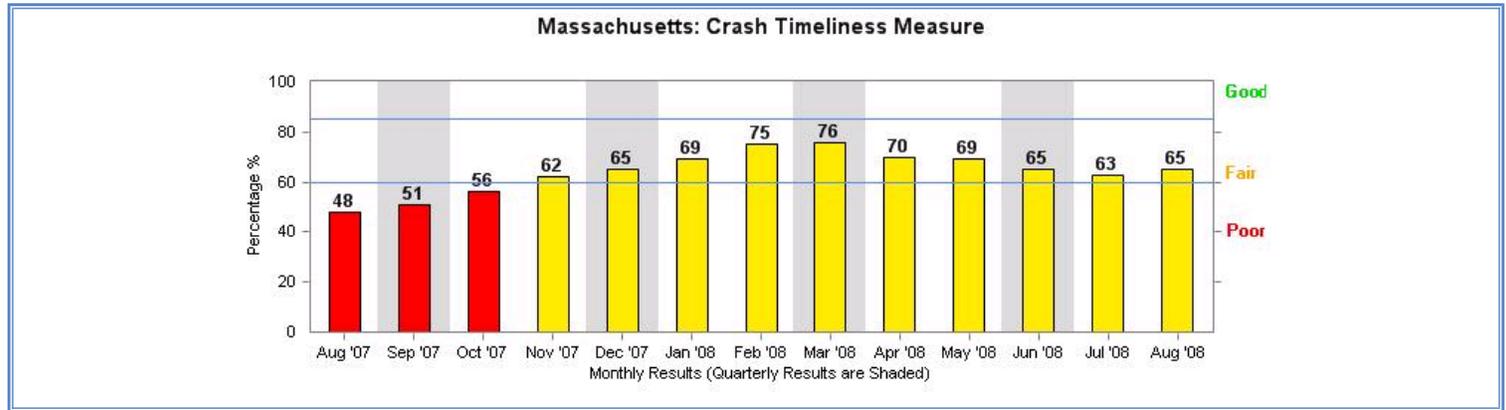
### Rating Criteria

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.

**Massachusetts: 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](#))



Massachusetts: Crash Timeliness Measure							<a href="#">Download Data</a>
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	Y	2,089	1,366	65%	
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	Y	2,023	1,276	63%	
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	Y	1,871	1,210	65%	
May '08	5/23/2008	3/1/2007 - 2/29/2008	Y	1,712	1,174	69%	
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	Y	1,628	1,146	70%	
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	Y	1,449	1,101	76%	
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	Y	1,318	993	75%	
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	Y	1,343	926	69%	
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	Y	1,305	850	65%	
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	Y	1,226	759	62%	
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	R	1,197	675	56%	
Sep '07	9/21/2007	7/1/2006 - 6/30/2007	R	1,198	607	51%	
Aug '07	8/24/2007	6/1/2006 - 5/31/2007	R	1,112	529	48%	

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%

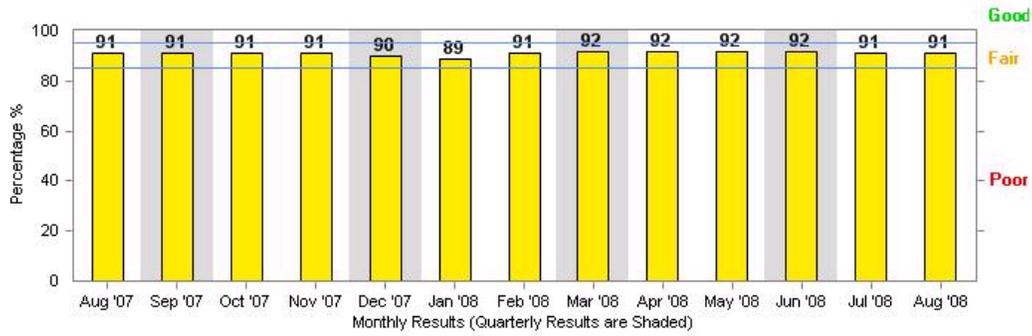
**Data Source:** MCMIS fatal and non-fatal crash records for 12 months that represent interstate and intrastate carriers and includes large truck and bus vehicle types.

# Massachusetts: 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. [\(View Methodology\)](#)

## Massachusetts: Crash Accuracy Measure



## Massachusetts: 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	Y	1,445	128	9%	1,317	91%
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	Y	1,417	123	9%	1,294	91%
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	Y	1,318	110	8%	1,208	92%
May '08	5/23/2008	3/1/2007 - 2/29/2008	Y	1,243	95	8%	1,148	92%
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	Y	1,227	93	8%	1,134	92%
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	Y	1,095	93	8%	1,002	92%
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	Y	999	91	9%	908	91%
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	Y	1,018	107	11%	911	89%
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	Y	989	99	10%	890	90%
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	Y	927	82	9%	845	91%
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	Y	898	82	9%	816	91%
Sep '07	9/21/2007	7/1/2006 - 6/30/2007	Y	895	82	9%	813	91%
Aug '07	8/24/2007	6/1/2006 - 5/31/2007	Y	841	73	9%	768	91%

### Rating Criteria

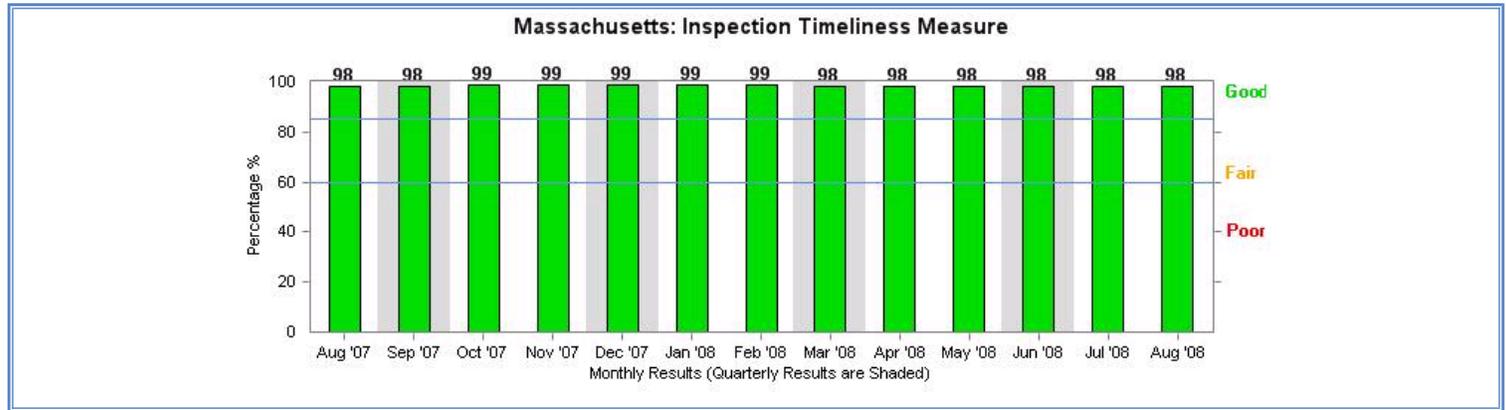
Rating	Criteria
Good	Percentage of matched records is >= 95%
Fair	Percentage of matched records is 85-94%
Poor	Percentage of matched records is < 85%
Insufficient data	State has < 15 records reported in current timeframe AND percentage of matched records is < 85%

**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")

## Massachusetts: 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](#))



Massachusetts: Inspection Timeliness Measure							<a href="#">Download Data</a>
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	19,281	18,850	98%	
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	G	19,132	18,742	98%	
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	G	19,285	18,906	98%	
May '08	5/23/2008	3/1/2007 - 2/29/2008	G	20,028	19,657	98%	
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	G	20,141	19,787	98%	
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	G	20,495	20,154	98%	
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	G	20,876	20,571	99%	
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	G	21,434	21,148	99%	
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	G	21,471	21,189	99%	
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	G	21,576	21,308	99%	
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	G	21,521	21,212	99%	
Sep '07	9/21/2007	7/1/2006 - 6/30/2007	G	21,348	21,021	98%	
Aug '07	8/24/2007	6/1/2006 - 5/31/2007	G	21,257	20,918	98%	

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%

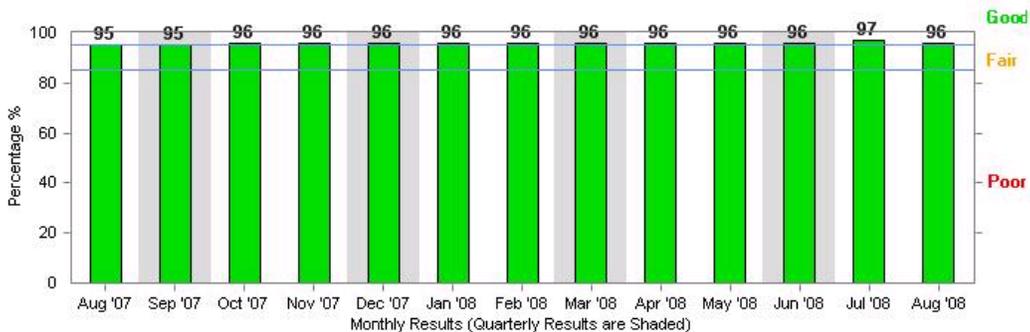
**Data Source:** MCMIS inspection records for 12 months that represent interstate and intrastate carriers and includes large truck and bus vehicle types.

# Massachusetts: 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](#))

## Massachusetts: Inspection Accuracy Measure



## Massachusetts: 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	Good	15,579	557	4%	15,022	96%
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	Good	15,569	538	3%	15,031	97%
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	Good	15,741	563	4%	15,178	96%
May '08	5/23/2008	3/1/2007 - 2/29/2008	Good	16,418	577	4%	15,841	96%
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	Good	16,574	595	4%	15,979	96%
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	Good	16,986	640	4%	16,346	96%
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	Good	17,324	675	4%	16,649	96%
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	Good	17,808	706	4%	17,102	96%
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	Good	17,892	725	4%	17,167	96%
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	Good	18,066	772	4%	17,294	96%
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	Good	18,097	794	4%	17,303	96%
Sep '07	9/21/2007	7/1/2006 - 6/30/2007	Good	17,980	821	5%	17,159	95%
Aug '07	8/24/2007	6/1/2006 - 5/31/2007	Good	17,948	839	5%	17,109	95%

### 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%

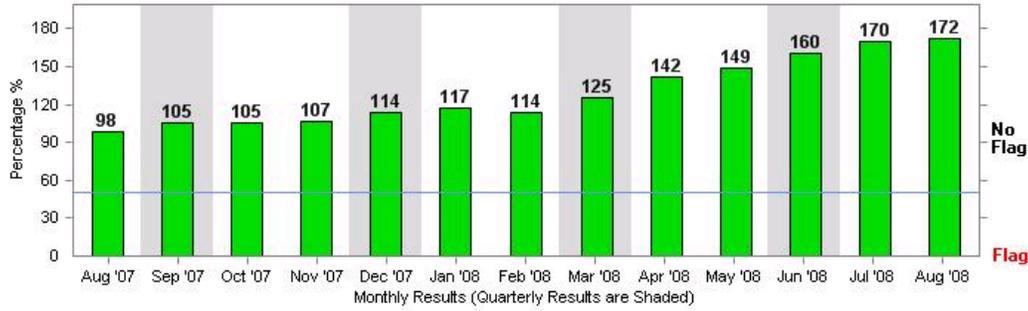
Data Source: MCMIS inspection records for 12 months that represent interstate carriers and intrastate carriers transporting hazardous material and includes large truck and bus vehicle types.

## Massachusetts: 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. [\(View Methodology\)](#)

### Massachusetts: Crash Consistency Overriding Indicator



### Massachusetts: 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	1,043	1,086	1,461	1,197	2,059	172%
Jul '08	7/25/2008	5/1/2007 - 4/30/2008	No Flag	1,061	1,010	1,439	1,170	1,994	170%
Jun '08	6/20/2008	4/1/2007 - 3/31/2008	No Flag	1,092	979	1,374	1,148	1,840	160%
May '08	5/23/2008	3/1/2007 - 2/29/2008	No Flag	1,070	960	1,344	1,125	1,679	149%
Apr '08	4/25/2008	2/1/2007 - 1/31/2008	No Flag	1,098	932	1,325	1,118	1,592	142%
Mar '08	3/28/2008	1/1/2007 - 12/31/2007	No Flag	1,079	933	1,382	1,131	1,417	125%
Feb '08	2/22/2008	12/1/2006 - 11/30/2007	No Flag	1,093	948	1,364	1,135	1,292	114%
Jan '08	1/25/2008	11/1/2006 - 10/31/2007	No Flag	1,090	973	1,305	1,123	1,314	117%
Dec '07	12/21/2007	10/1/2006 - 9/30/2007	No Flag	1,119	1,000	1,243	1,121	1,279	114%
Nov '07	11/30/2007	9/1/2006 - 8/31/2007	No Flag	1,151	1,014	1,202	1,122	1,198	107%
Oct '07	10/26/2007	8/1/2006 - 7/31/2007	No Flag	1,175	1,027	1,141	1,114	1,173	105%
Sep '07	9/21/2007	7/1/2006 - 6/30/2007	No Flag	1,212	1,036	1,107	1,118	1,174	105%
Aug '07	8/24/2007	6/1/2006 - 5/31/2007	No Flag	1,218	1,043	1,070	1,110	1,088	98%

#### 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 <b>AND</b> State has < 15 records reported in previous 3 year average <b>AND</b> 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.

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

## 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	<span style="color: green; font-weight: bold;">G</span> Minimum of 1 Good <b>AND</b> 0 Poor
Fair	<span style="color: yellow; font-weight: bold;">Y</span> Maximum of 1 Poor
Poor	<span style="color: red; font-weight: bold;">R</span> 2+ Poor <b>OR</b> 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	<b>G</b>	Minimum of 1 Good <b>AND</b> 0 Poor
Fair	<b>Y</b>	Maximum of 1 Poor
Poor	<b>R</b>	2+ Poor <b>OR</b> 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	<b>G</b>	Percentage of completed driver and vehicle information is $\geq 85\%$
Fair	<b>Y</b>	Percentage of completed driver and vehicle information is 70 - 84%
Poor	<b>R</b>	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 <b>AND</b> 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 <b>AND</b> 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 <b>AND</b> 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 <b>AND</b> 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 <b>AND</b> State has < 15 records reported in previous 3 year average <b>AND</b> 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.