Constituency Briefing

9/27/11

Today's Purpose

Update on the EMSTARS Program and National Changes

- **Review FY 11/12 Program Objectives Performance Measures**

- **Provide an Update on NEMSIS 3.0**

Our Reason to Exist

To collect a minimum set of data elements that will provide specific, useful, actionable information to facilitate the continued improvements in EMS service and patient care statewide.

OBJECTIVES & MEASURES

1. **Increase Participation**
   - *% agencies &*
   - *% of total runs*

2. **Improve timeliness/accuracy of data submissions**
   - **% within specified timeframes,**
   - **Data quality metrics**

3. **Continue National Compliance**
   - *Submission to national data base &*
   - *Milestone progress on migration to NEMSIS 3.0*

4. **Improve Accessibility, Reporting & Decision Support**
   - *Milestone progress on data mart/linkages*
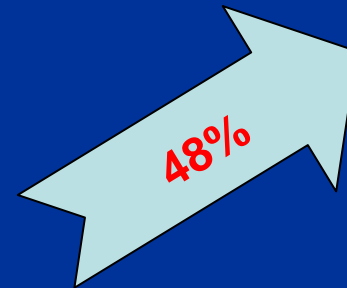
Performance Measures

1. Increase Participation

48%

- **Completeness**
  - **% of agency participation**
  - **130 Agencies**

- **Consistency**
  - **% of all Florida runs**
  - **4.1+ million in data base**
  - **3.3 million in national data base**
  - **Will be moving to # 1 in Nation**
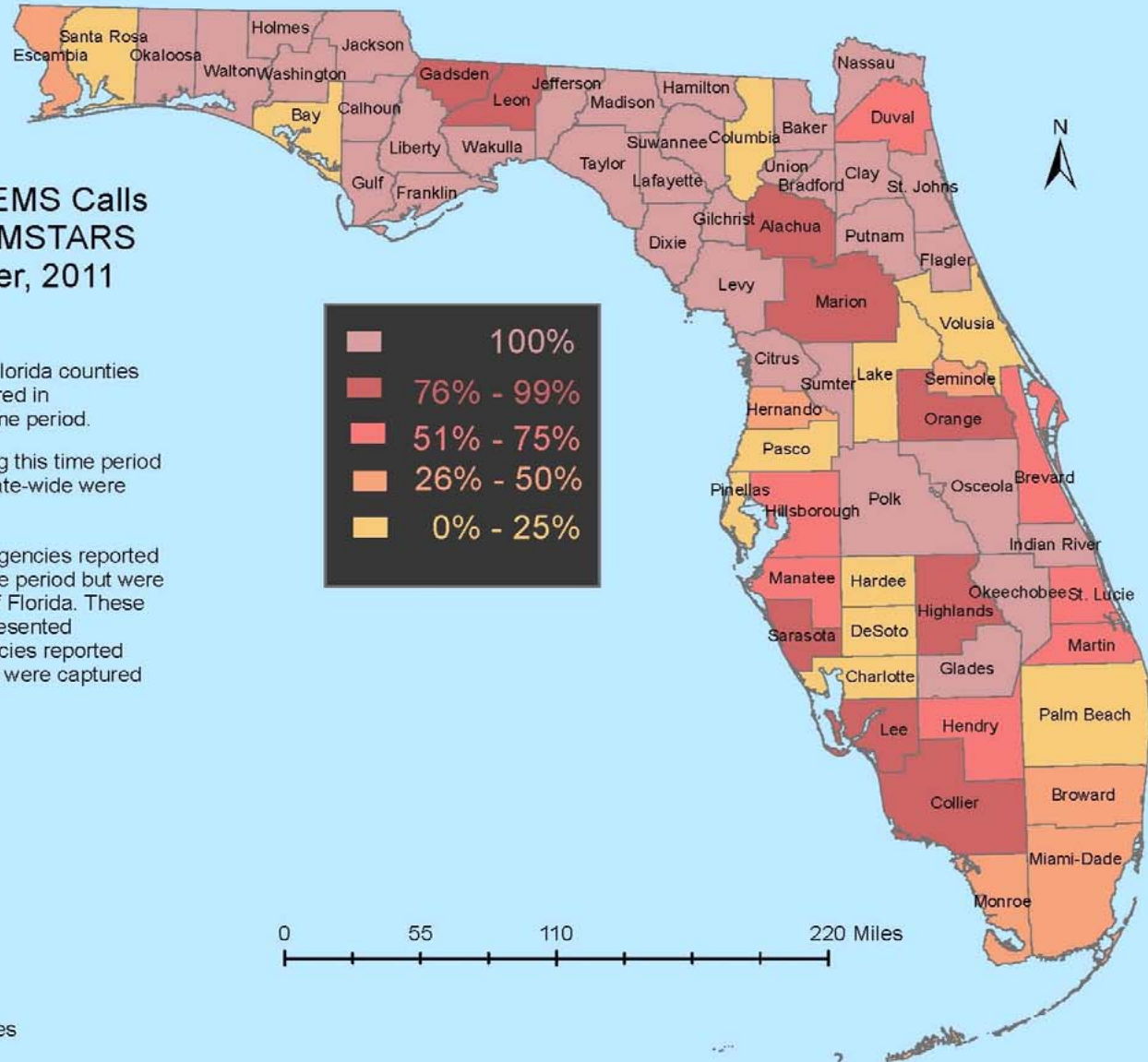
50%
Of total runs

Percentage of EMS Calls Captured by EMSTARS in First Quarter, 2011

Thirty-four (50.75%) of Florida counties had all EMS calls captured in EMSTARS during this time period.

Total reported calls during this time period was 848,187; 50.46% state-wide were captured by EMSTARS.
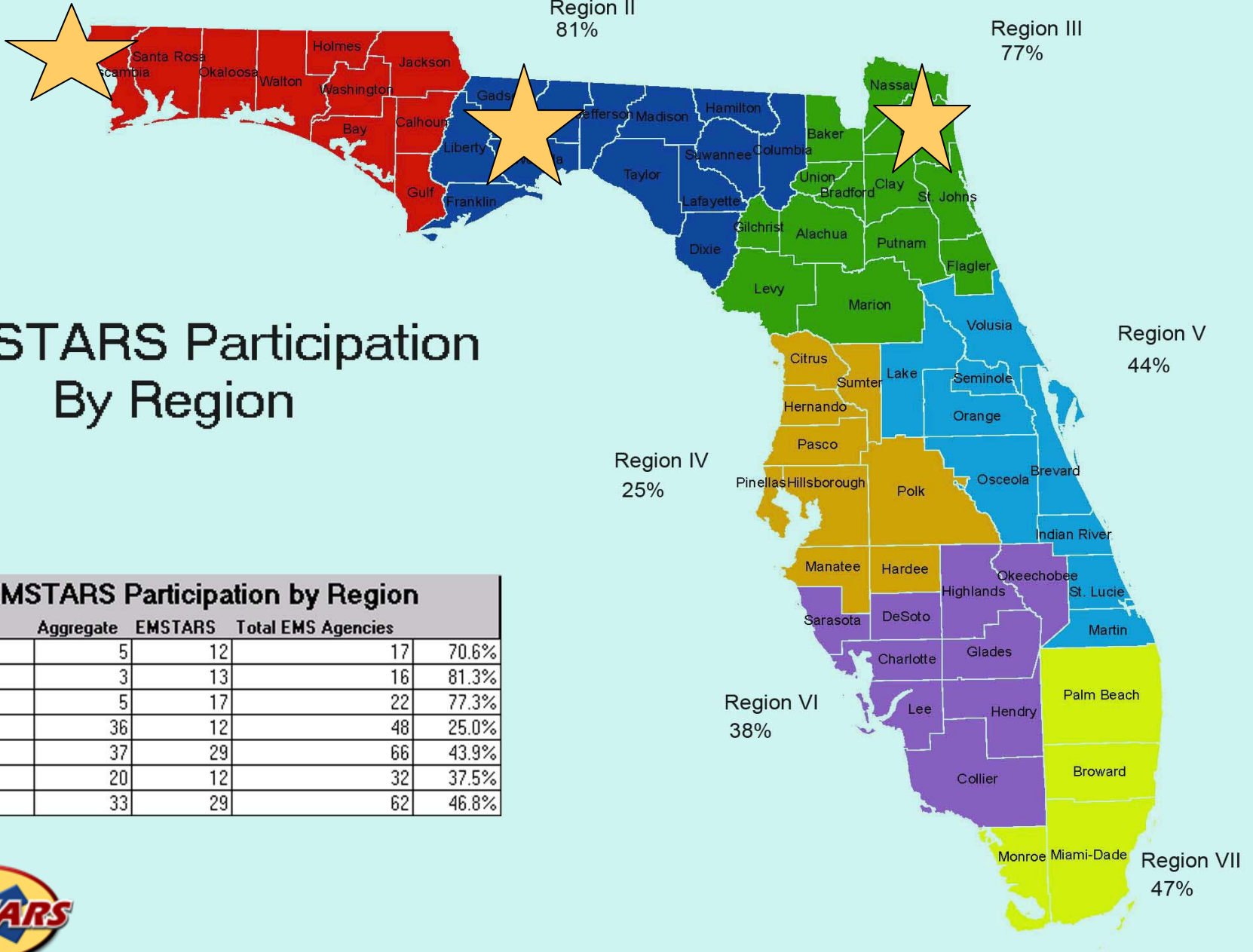
Nine EMS air transport agencies reported EMS calls during this time period but were headquartered outside of Florida. These air agencies are not represented on this map. These agencies reported 1558 calls, 89% of which were captured in EMSTARS.

Legend:
- 100%
- 76% - 99%
- 51% - 75%
- 26% - 50%
- 0% - 25%

Bureau of EMS Data Unit
Bureau of Emergency Medical Services
Florida Department of Health
29 July 2011

EMSTARS Participation By Region

EMSTARS Participation by Region				
	Aggregate	EMSTARS	Total EMS Agencies	
Region 1	5	12	17	70.6%
Region 2	3	13	16	81.3%
Region 3	5	17	22	77.3%
Region 4	36	12	48	25.0%
Region 5	37	29	66	43.9%
Region 6	20	12	32	37.5%
Region 7	33	29	62	46.8%

Region I
70%

Region II
81%

Region III
77%

Region IV
25%

Region V
44%

Region VI
38%

Region VII
47%

Number of EMSTARS-participating
EMS Agencies by Florida County,
with Urban/Rural Status

Urban/Rural Counties in Florida

Status

▉	Rural
▉	Urban

EMSTARS Participation by County Status				
	Aggregate	EMSTARS	Grand Total	
Rural County	9	33	42	78.6%
Urban County	138	91	229	39.7%

Data Unit
Bureau of Emergency Medical Services
Florida Department of Health
14 July 2011

Performance Measures

- **2. Improve Timeliness & Accuracy of Data**

  - **Timeliness**

    - **14% EMS reports sent within 10 days of incident**
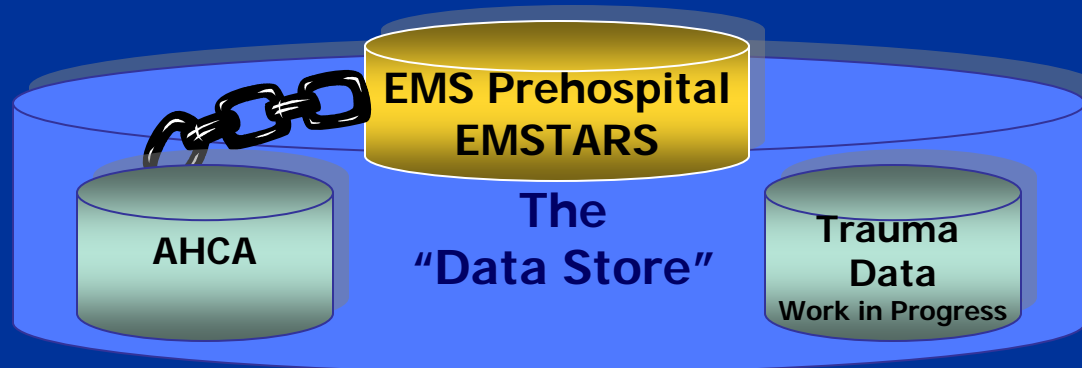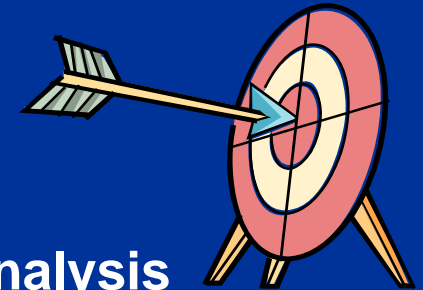   - **45% EMS reports sent within 30 days of incident**

  - **Accuracy**

    - **92% data validation score**
    - **% missing critical data**
      - **SSN – 18%**
      - **Primary impression – 2%**
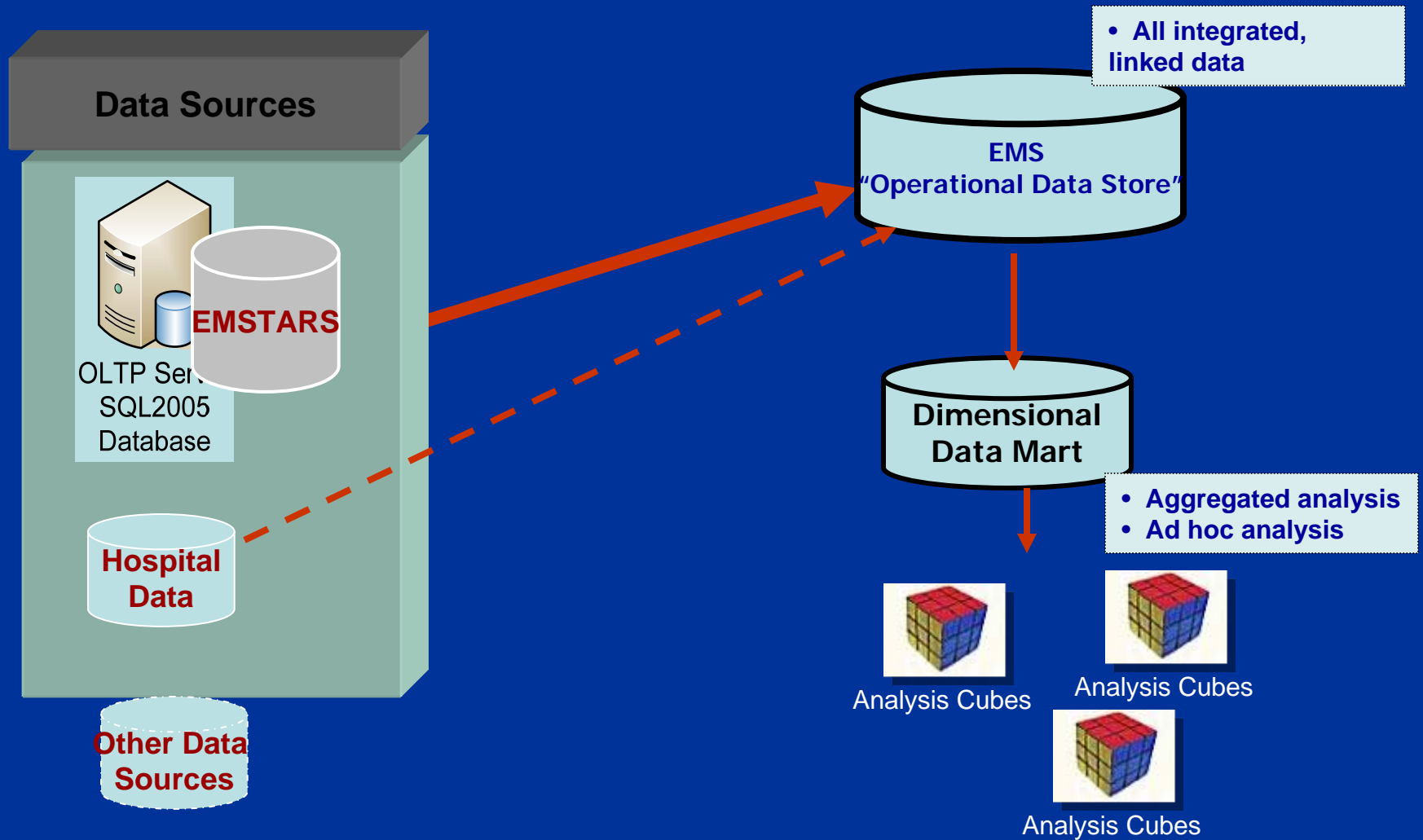
Performance Measures

- **4. Improve Accessibility, Reporting & Decision Support**

    - **Completed 2nd Iteration of EMS Data Mart**

    - **Implemented first Data Cube for Outcome Analysis**

    - **Completed integration and linkage of AHCA data**

    - **Establishing production environment – In progress**

EMS Prehospital
EMSTARS

The "Data Store"

AHCA

Trauma Data
Work in Progress

The EMS Data Mart

Data Sources

EMSTARS

OLTP Server
SQL2005
Database

Hospital
Data

Other Data
Sources

EMS
"Operational Data Store"

- **All integrated, linked data**

Dimensional
Data Mart

- **Aggregated analysis**
- **Ad hoc analysis**

Analysis Cubes

Analysis Cubes

Analysis Cubes

Performance Measures

3. Continue National Compliance

NEMSIS 3.0?

A <u>new</u> version of National EMS Data Collection Standards

Leads to...

A <u>revision</u> to the Florida Data Dictionary V 1.4 that is currently implemented in your agency

We have some GAPS!

EMSTARS 1.4 & NEMSIS 2.2.1

The Gap

- **A uniform dataset - Data Dictionary**

→

- **Missing elements that complete the picture and more completely describe the incident (STEMI, Cardiac Arrest, Airway)**

- **Uniform transmission method XML files via sFTP**

→

- **Inadequate integration potential — (Harmonization and Portability with other Systems and Equipment)**

- **State Business Rules for Quality Data Collection**

→

- **Code sets that are not standard across other patient/incident stakeholders (RxNorm, ICD-10, ANSI)**

- **No uniform business rule validation**

DRAFT TIMELINE ("very" draft)

NEMSIS V3 Official Release	10/31/11
Develop Florida Transition Plan	11/30/11
Implementation Phase	12/1/11 – 12/30/12
NEMSIS Certification Phase	1/01/13 - 5/30/13
Begin Agency Transition Phase	6/01/13 – TBD

Agency Impact

If not done already

<u>NOW</u> is the time to start considering the impact of NEMSIS 3.0 on your agency's operations

V3 is very likely to take affect during the contract period you have with your vendor.

NEMSIS 3.0 Questions

- Have you initiated discussions with your vendor regarding NEMSIS 3.0?

- Has your vendor committed to continue to provide EMS products in compliance with NEMSIS 3.0?

- Will their version 3 product include the ability to add state specific requirements in a timely and cost effective manner?

- Has your vendor already begun developing v3 Products?

- When does your vendor plan to test its v3 products? - *Get your vendor's implementation plan* - *Testing starts in October 2011.*

NEMSIS 3.0 Questions

- **Will your product collect v2 and v3 simultaneously to allow for the transition of State data submission and billing services?**

- **Will your product include the ability to add state specific requirements in a timely and cost effective manner?**

- **Does your contract include a clause that our software will be capable of meeting State requirements without additional costs or at least at a set rate so you know what to expect?**

- **Is your billing services provider prepared or in progress to utilize ICD-10 codes by the compliance date of 10/13?**

Key Contributing Factors
to Continued Success

■ **Data Committee as a partner**

- **Ownership of the Florida Data Dictionary**
- **Guidance for EMS Data collection program**
- **Deployment plans for EMS provider agencies**

■ **On-site agency visits and training**

- **42 agencies visited as of 6/16/11**

■ **EMRC as a partner**

Questions?

WE APPRECIATE YOUR CONTINUED SUPPORT