

2011 NASEMSO Data Managers Council Survey Results

21 March 2012

A decorative graphic consisting of several horizontal lines of varying lengths and colors (teal, white, and light blue) extending from the right side of the slide towards the center.

Demographics

- Survey launched November 1, 2011
- All 50 states responded to the survey
- Question 1 asked for:
 - Name
 - State

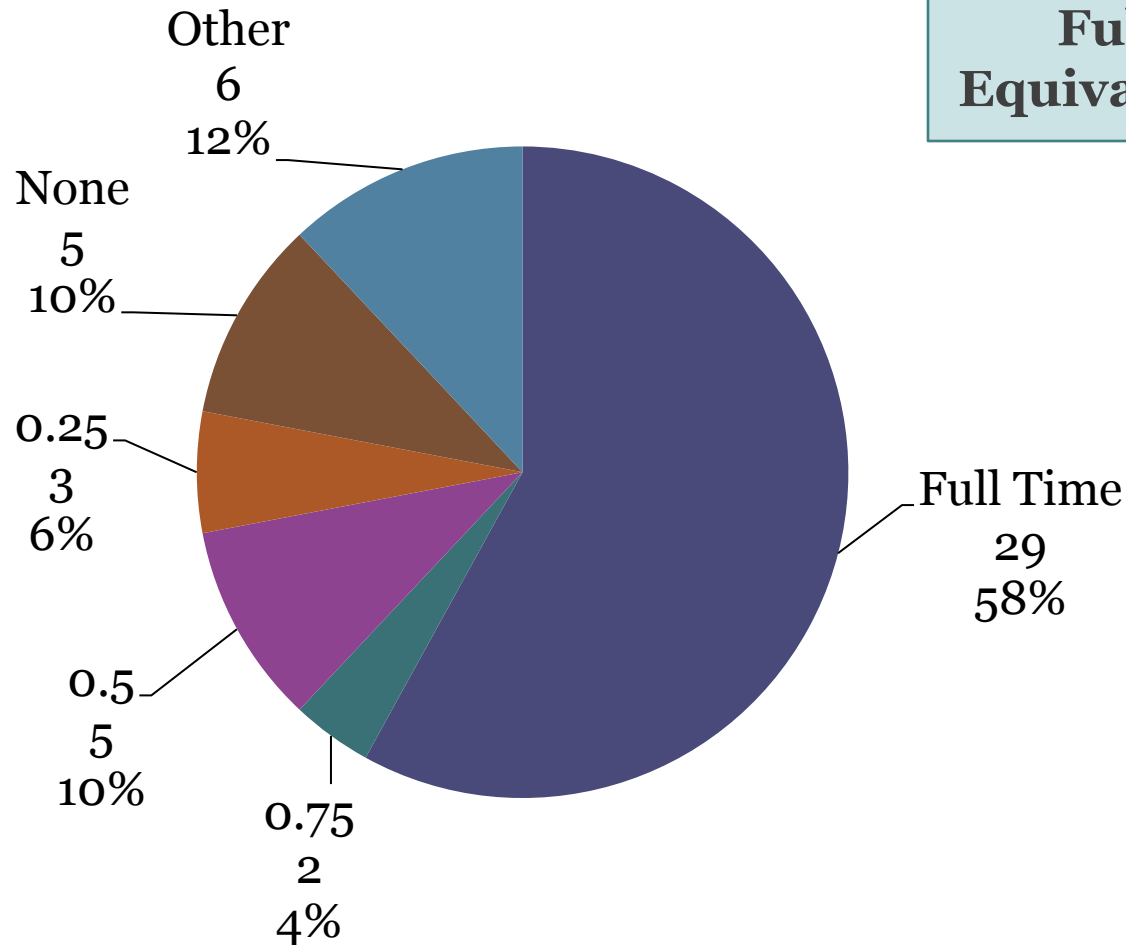
Question 2

How many full time equivalent staff does your state employ as the EMS data manager?

- a) 1.0 (full time)
- b) .75
- c) .5
- d) .25
- e) 0 (none)
- f) Other (please specify)

Question 2: Results (n=50)

**Full Time
Equivalent Staff?**



Question 2: Full Time Staff 'Other' (n=6)

- Do not have a separate individual whose singular responsibility is managing the EMS database; Data & Quality Assurance Section Chief manages the EMS database in addition to his administrative/management duties which includes overseeing four fulltime employees.
- In hiring process now
- Additional duties assigned to EMS Coordinator position
- 1.5
- No designated FTE; about .5 of my time is for EMS data
- No full time data manager; I took on some (25%) of the responsibilities; Budget limitations hinder this position from being full time.

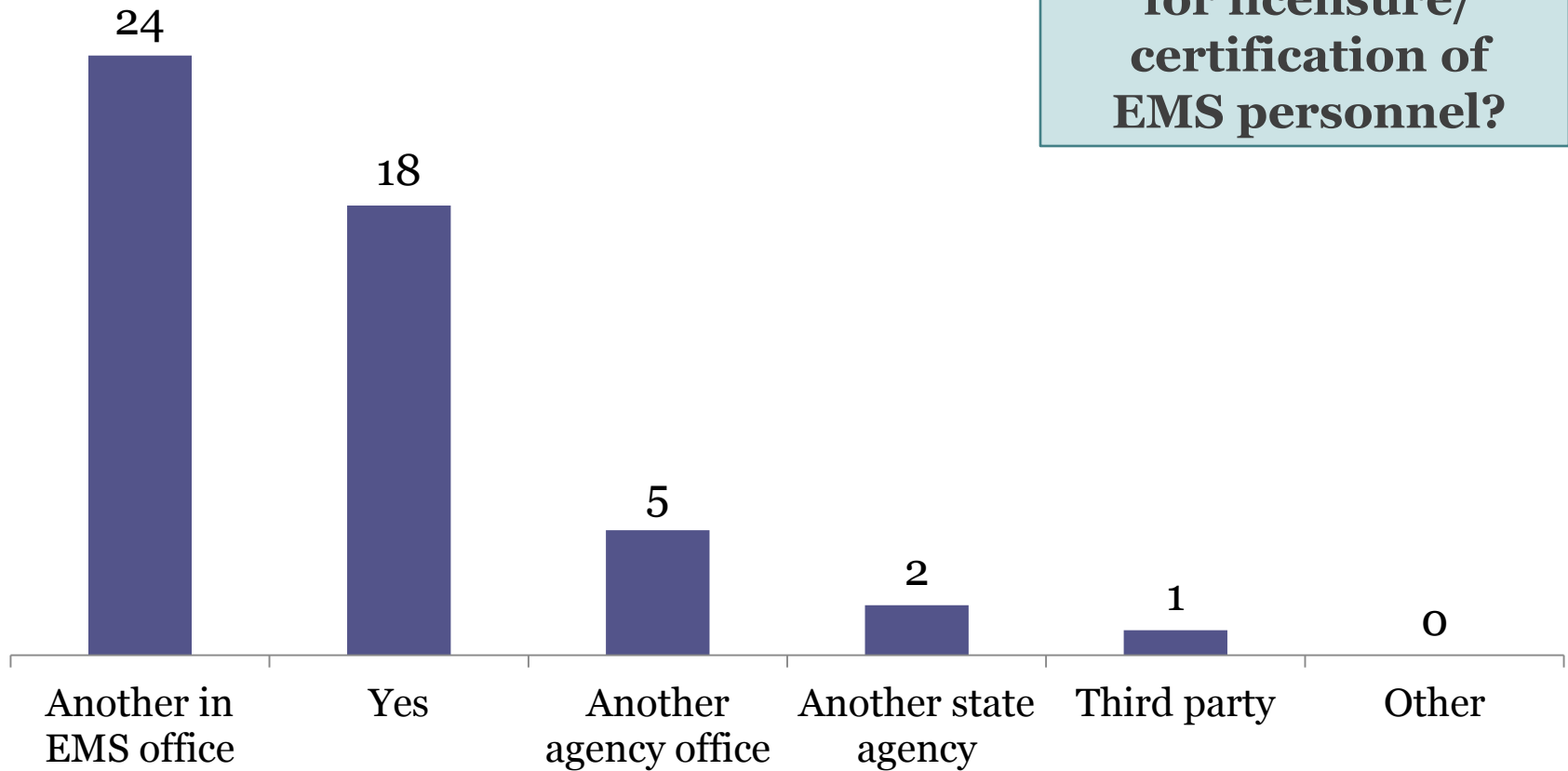
Question 3

Do you (State Data Manager) or a subordinate of yours have primary responsibility for administering / managing the information system that supports the licensure / certification of EMS personnel (i.e. EMTs and Paramedics) - even if it is supported by outside IT resources?

- a) No, it is managed by another individual in the state EMS office
- b) No, it is managed by another office within the same agency (but outside of the state EMS office)
- c) No, it is managed by another state agency
- d) No, it is managed by a third party (vendor, contractor, regional council, local level, National Registry)
- e) Other (please explain)

Question 3: Results (n=50)

**Manage
information system
for licensure/
certification of
EMS personnel?**



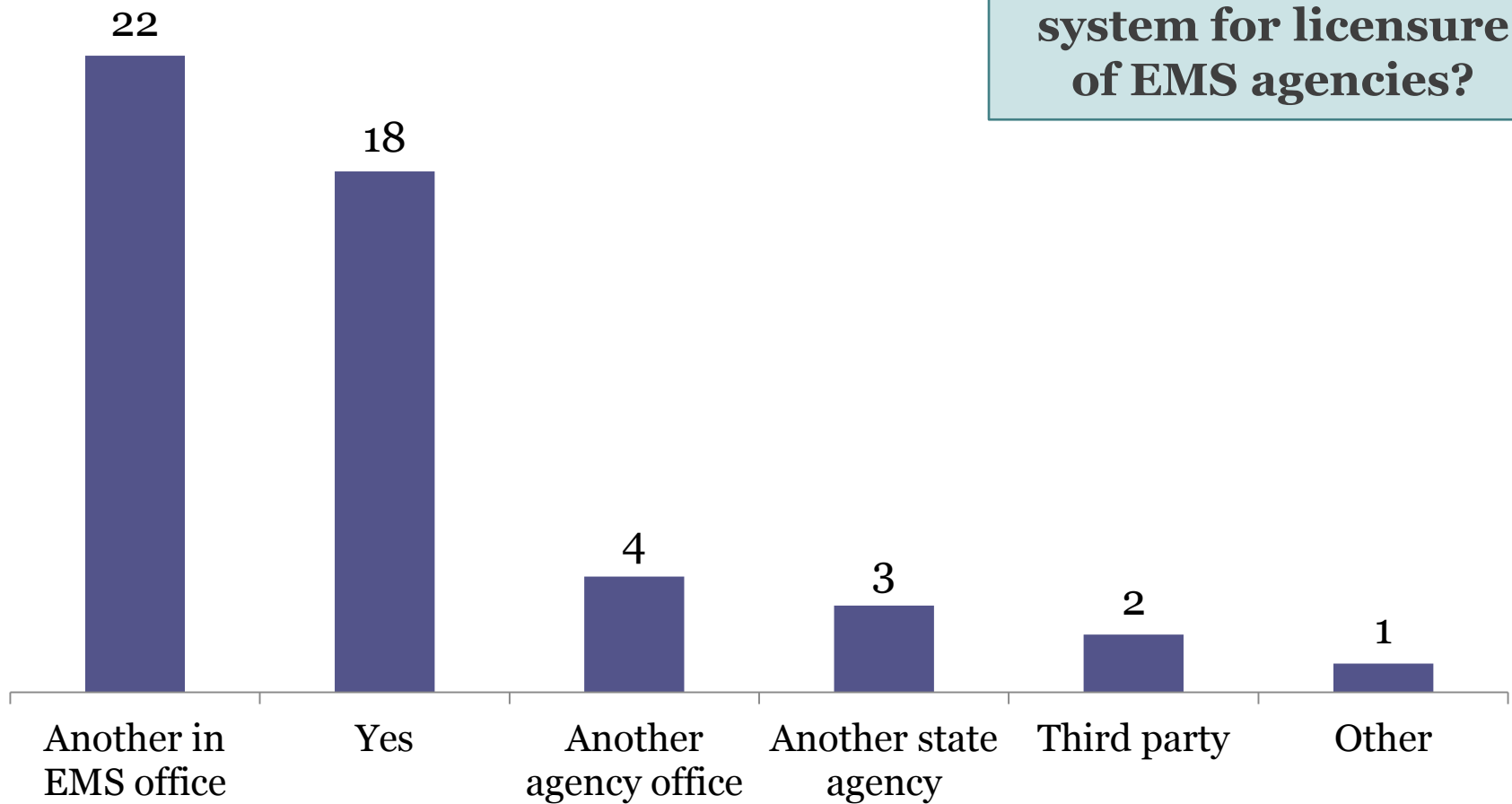
Question 4

Do you (State Data Manager) or a subordinate of yours have primary responsibility for administering / managing the information system that supports the licensure of EMS agencies - even if it is supported by outside IT resources?

- a) Yes
- b) No, it is managed by another individual in the state EMS office
- c) No, it is managed by another office within the same agency (but outside of the state EMS office)
- d) No, it is managed by another state agency
- e) No, it is managed by a third party (vendor, contractor, regional council, local level, National Registry)
- f) Other (please explain)

Question 4: Results (n=50)

Manage information system for licensure of EMS agencies?



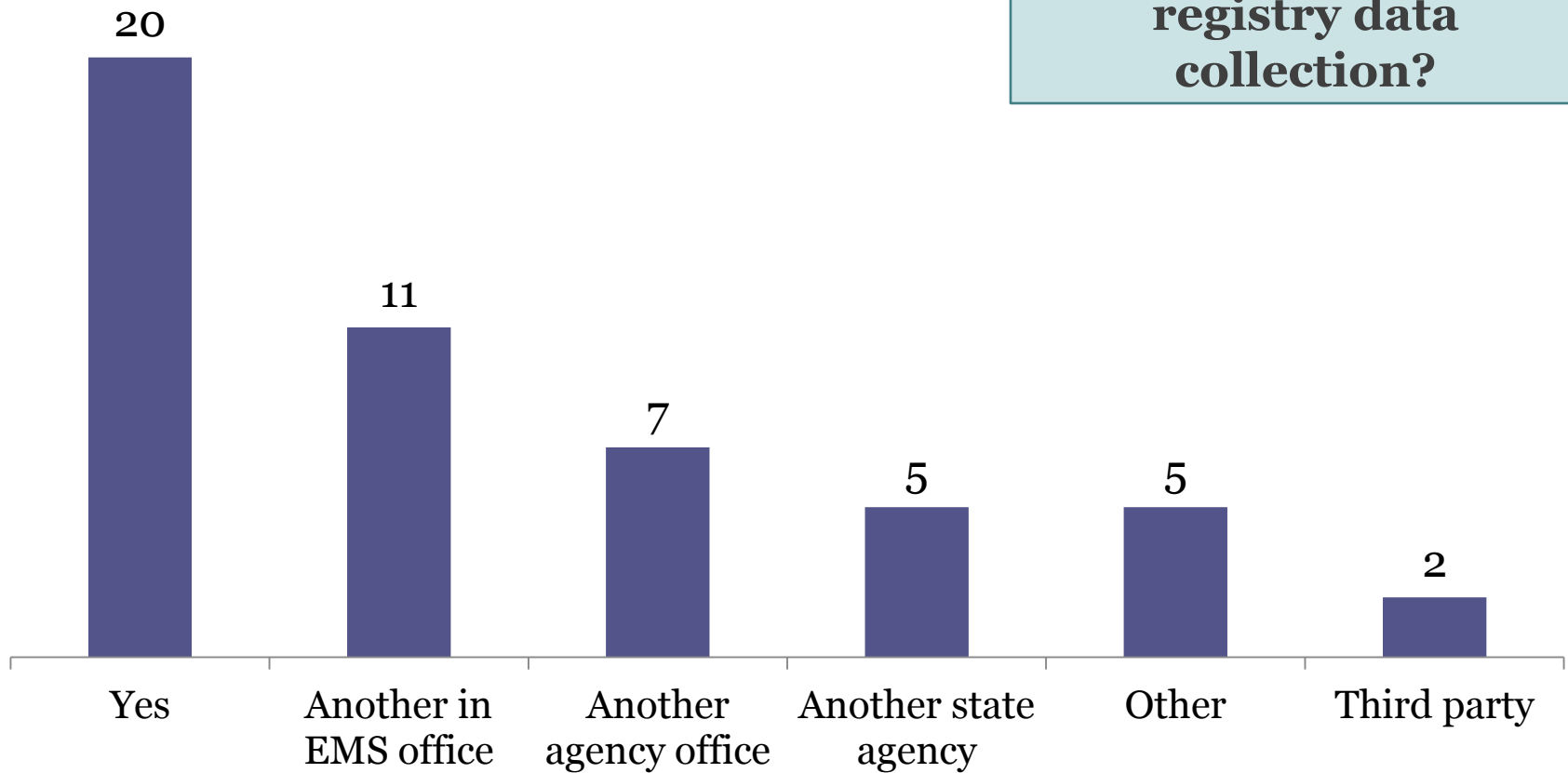
Question 5

Do you (State Data Manager) or a subordinate of yours have primary responsibility for administering / managing the registry that supports the trauma data collection in use in your state EMS office - even if it is supported by outside IT resources?

- a) Yes
- b) No, it is managed by another individual in the state EMS office
- c) No, it is managed by another office within the same agency (but outside of the state EMS office)
- d) No, it is managed by another state agency
- e) No, it is managed by a third party (vendor, contractor, regional council, local level, National Registry)
- f) Other (please explain)

Question 5: Results (n=50)

Manage information system for trauma registry data collection?



Question 5: Trauma Data, 'Other' (n=5)

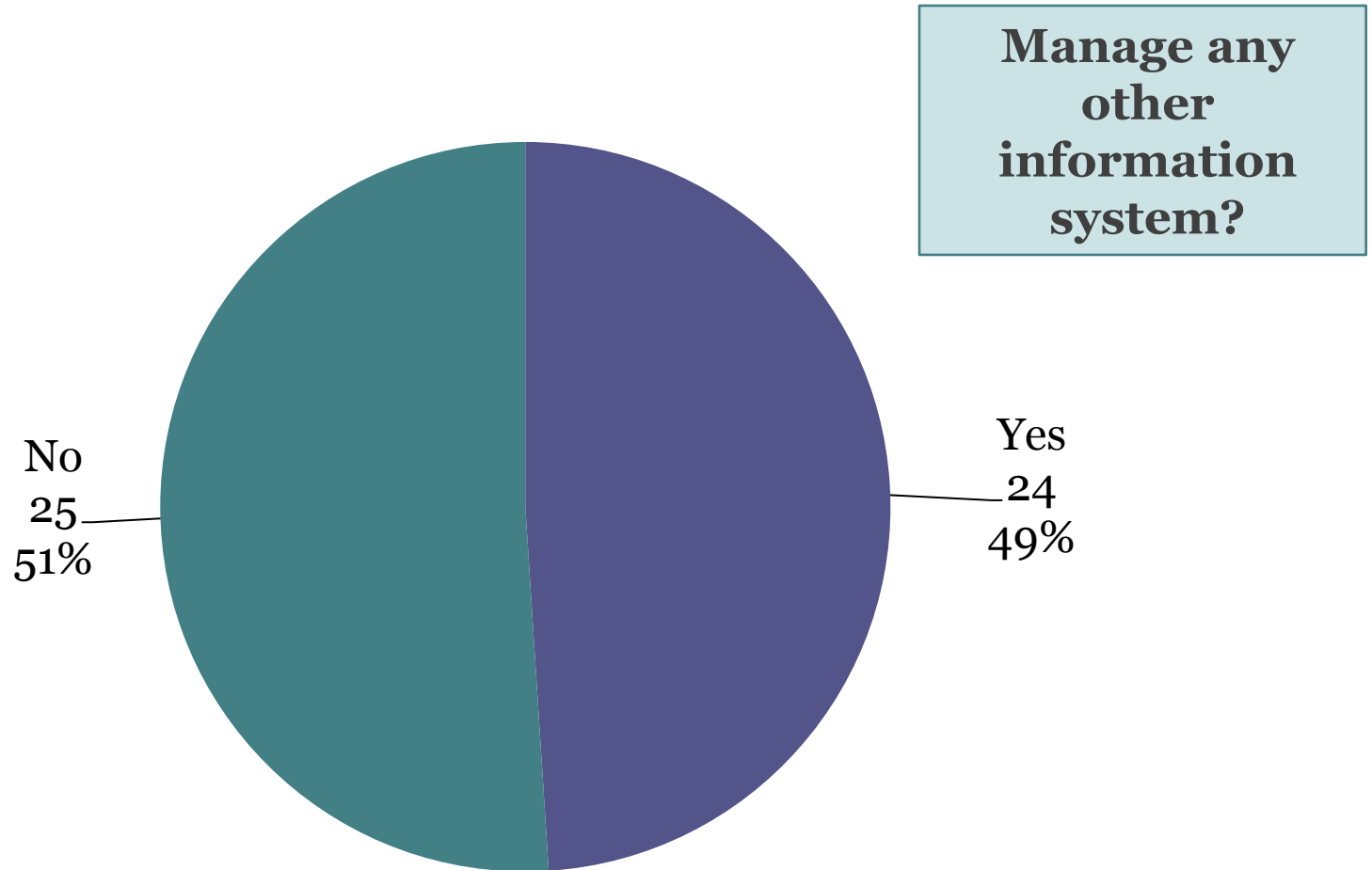
- The trauma registry is the responsibility of each of the 3 state trauma centers
- No State Trauma Registry
- We are currently in the process of hiring a Trauma Data Manager
- Managed by {the state's} only Level 1 trauma center
- {state} Trauma Systems Foundation manages trauma registry, DOH has authority to permit and review this component

Question 6

Do you (State Data Manager) or a subordinate of yours have primary responsibility for administering / managing any other information systems in use in your state EMS office - even if it is supported by outside IT resources?

- a) No
- b) Yes (please specify)

Question 6: Responses (n=49)



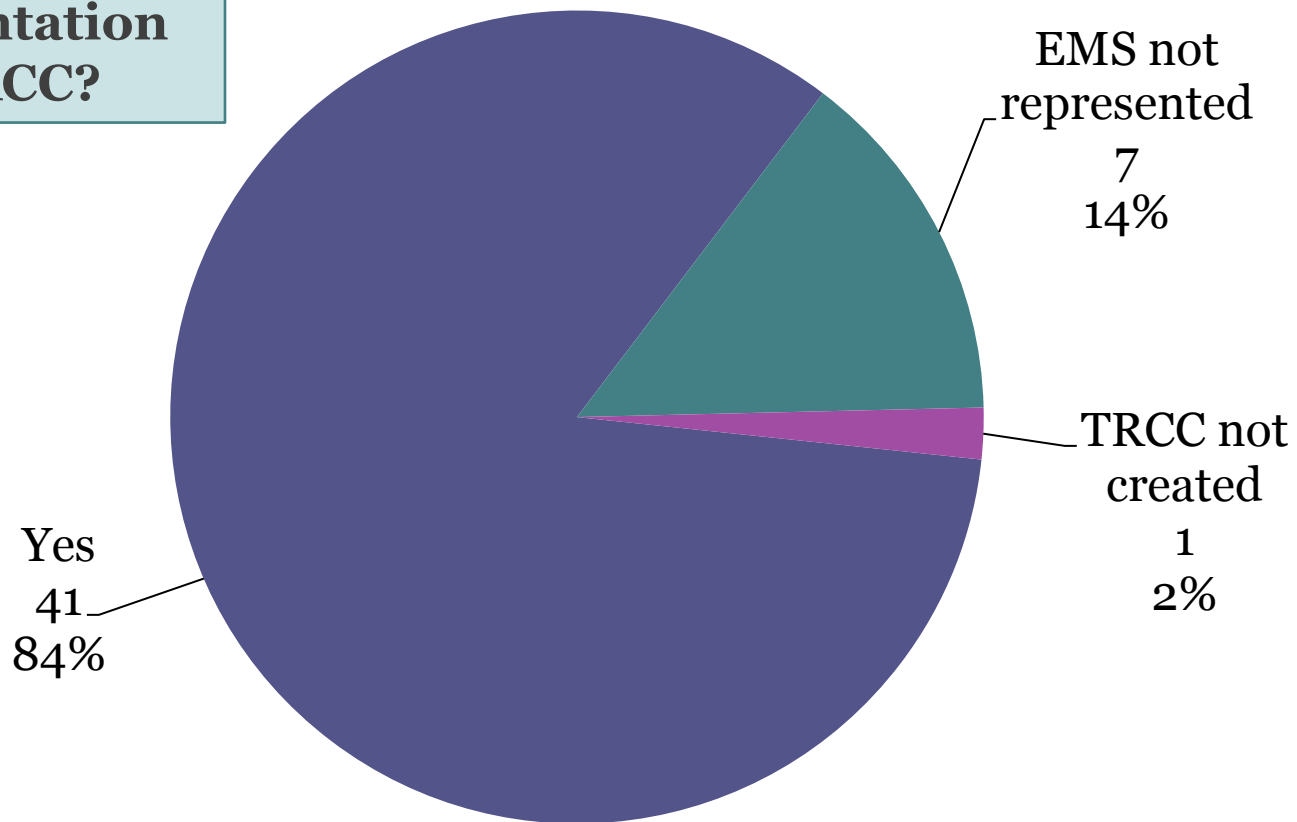
Question 7

Does your State EMS Office have representation on your state's Traffic Records Coordinating Executive Committee?

- a) Yes
- b) No, EMS is not represented on the Traffic Records Coordinating Executive Committee
- c) No, a Traffic Records Coordinating Executive Committee has not been created in our state

Question 7: Results (n=49)

**EMS
representation
on TRCC?**

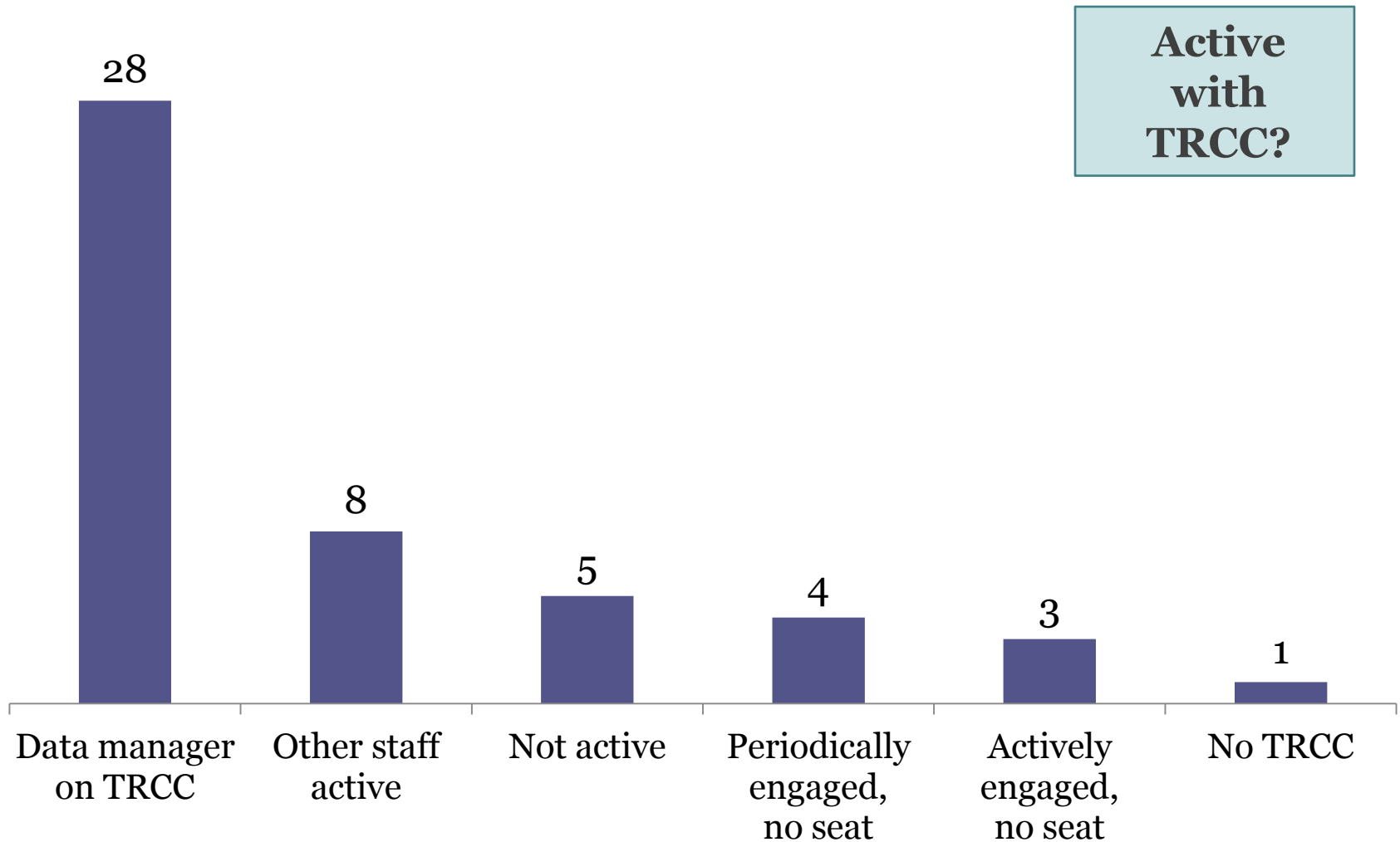


Question 8

Are you (State Data Manager) active / engaged with your state's Traffic Records Coordinating Committee (TRCC)?

- a) Yes, the state EMS data manager sits on the TRCC
- b) Yes, actively engaged on a routine basis, but do not have a seat on the TRCC
- c) Yes, periodically engaged, but do not have a seat on the TRCC
- d) No, other EMS staff are active with the TRCC
- e) No, EMS is not active with the TRCC
- f) No, a Traffic Records Coordinating Committee has not been created in our state

Question 8: Results (n=49)



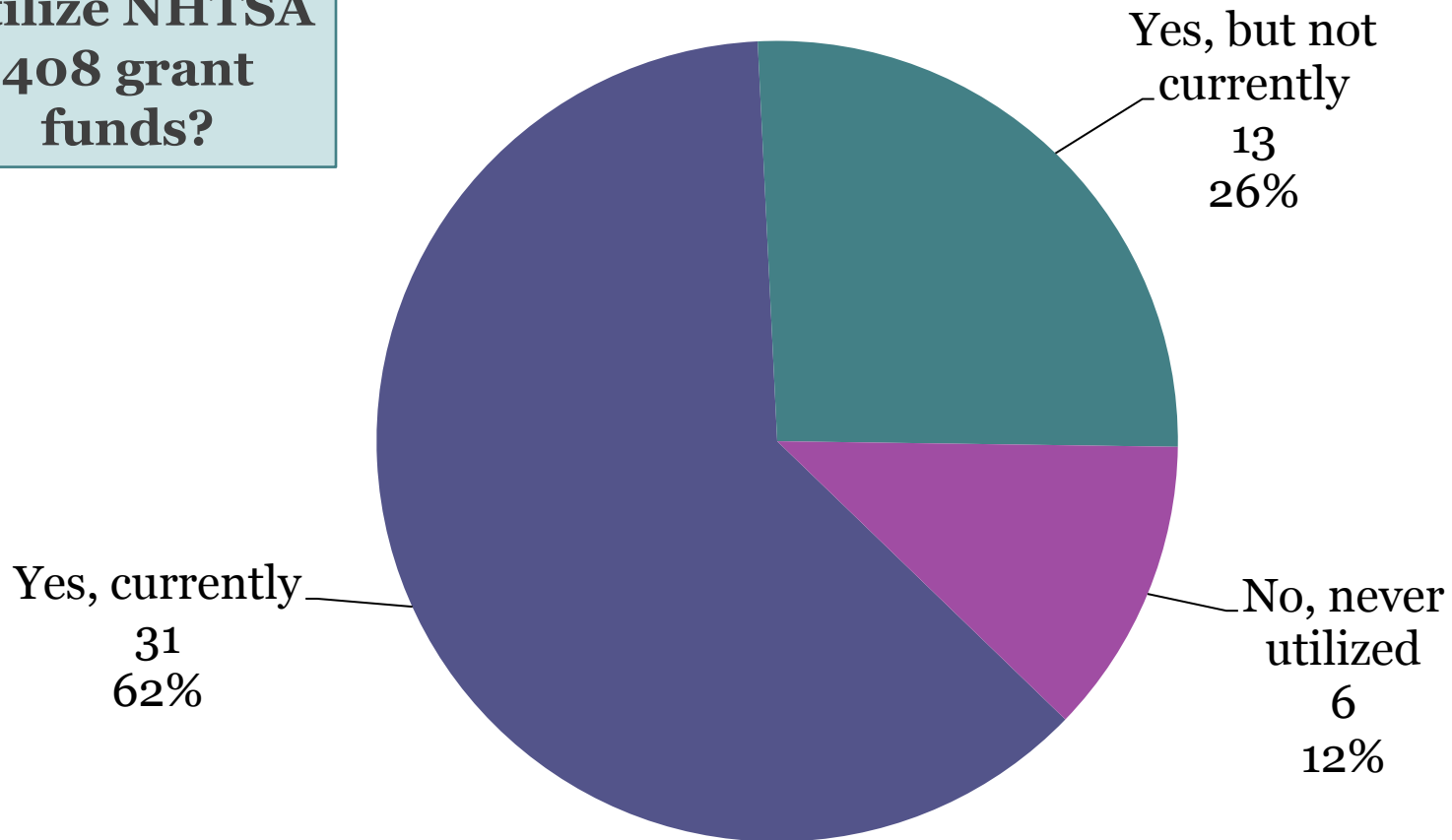
Question 9

Does your state utilize NHTSA 408 grant funds for EMS data needs?

- a) Yes, currently the state utilizes NHTSA 408 grant funds
- b) Yes, in the past the state has utilized 408 grant funds but not currently
- c) No, the state has never utilized NHTSA 408 grant funds

Question 9: Results (n=50)

**Utilize NHTSA
408 grant
funds?**



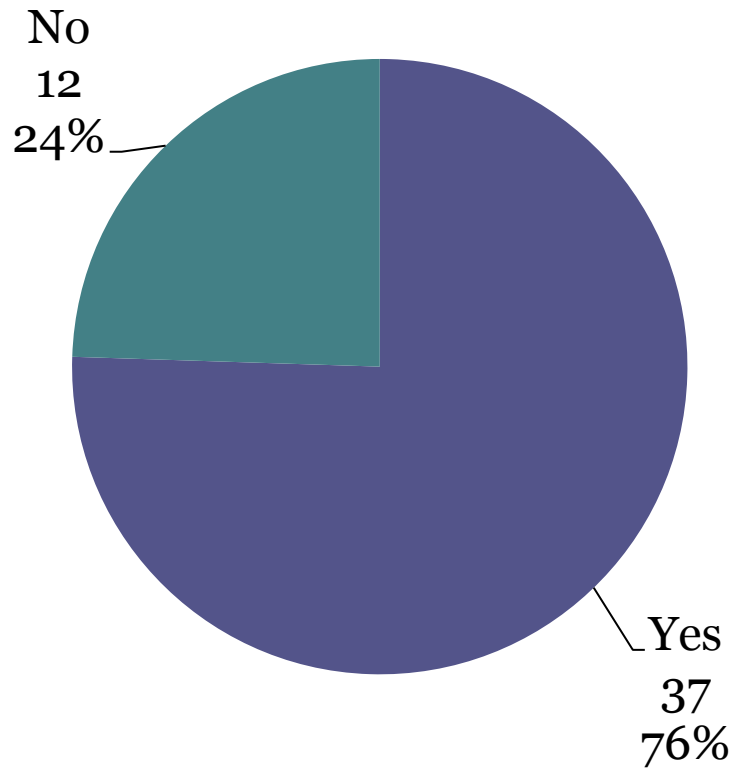
Question 10

Does your state utilize NHTSA 408 grant funds to support:

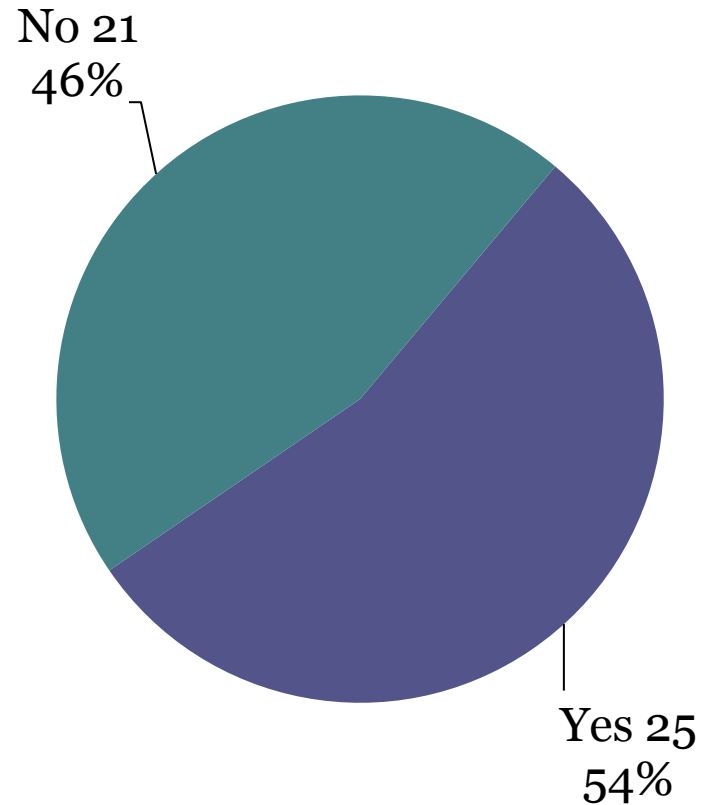
- EMS data system development?
 - a) Yes
 - b) No
- Ongoing EMS data system maintenance?
 - a) Yes
 - b) No
- Other (please specify)

Question 10: Results

408 funds: EMS data system development (n=49)



408 funds: Ongoing EMS data system maintenance (n=46)



Question 10: Results, 408 Funds 'Other' (n=13)

- Converting the State Trauma Registry to a Web-based platform, which will take place in 2012.
- For linkage of EMS and trauma data to traffic crash reports
- The 408 Funds are lumped together with other state based revenues. Each amount is about \$500,000. The money comes from one big pot and I do not know for certain if we are using state dollars from {state}DOT or 408 Funds from {state}DOT. What I do know is since the last four years that I have been actively involved, {state}EMS has received \$150,000 for three requests and have not had any request rejected. An additional \$45,000 went to {state}DHE for the their part of the trauma registry integration.

Question 10: Results, 408 Funds 'Other' (n=13)

- Trauma Registry Enhancements
- There was 408 Funding made available for EMS Data, but only for the first two years of the system. No funding has been received since 9/30/2009.
- This is the first year for me that we have utilized NHTSA 408 to purchase computers for ambulance agencies to submit data to the state
- Trauma Registry
- The data managers salary and benefits are paid for by 408 funding.
- Trauma Registry development and maintenance

Question 10: Results, 408 Funds 'Other' (n=13)

- Only a couple limited grants
- Integration between systems. Training.
- all 408 Funding goes to our DMV. The only funding provided to EMS was for our linkage between our EMS database and the traffic records database (\$11K)
- we have a proposal under consideration

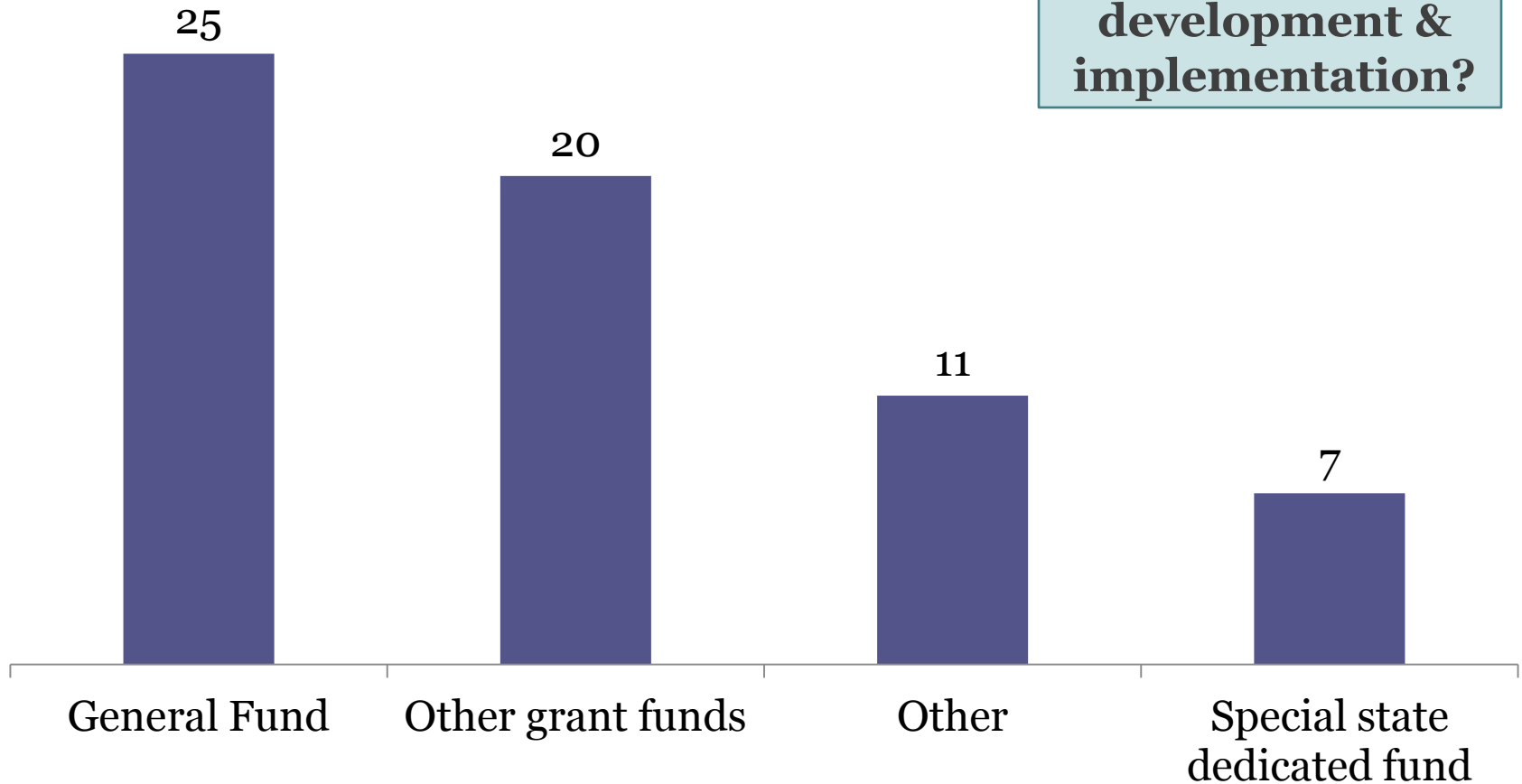
Question 11

Other than NHTSA 408 funds, how does or did your state fund EMS data system development and implementation? (check all that apply or leave blank if none apply)

- General fund
- Other grant funds
- Special state dedicated fund
- Other (please specify)

Question 11: Results (n=63)

**Fund EMS
system
development &
implementation?**



Question 11: Fund System Development, 'Other' (n=11)

- EMS portion of state Highway Users Tax Fund (\$2.00 fee assessed on each car registration)
- General agency funding, but we are funded by a levy on fire insurance premiums and court docket fees.
- license fees
- Private grant
- Software paid for by grants, salaries from general fund
- State 911 sub grants
- The initial development of the {state} Prehospital Information and EMS Registry System was effectuated through the use of Hospital Preparedness Program funds.
- unobligated EMS office funds
- we only use 408 funds at this time (n=2)
- Wheel tax of fifty cents on specific vehicles, primarily cars, in {state}

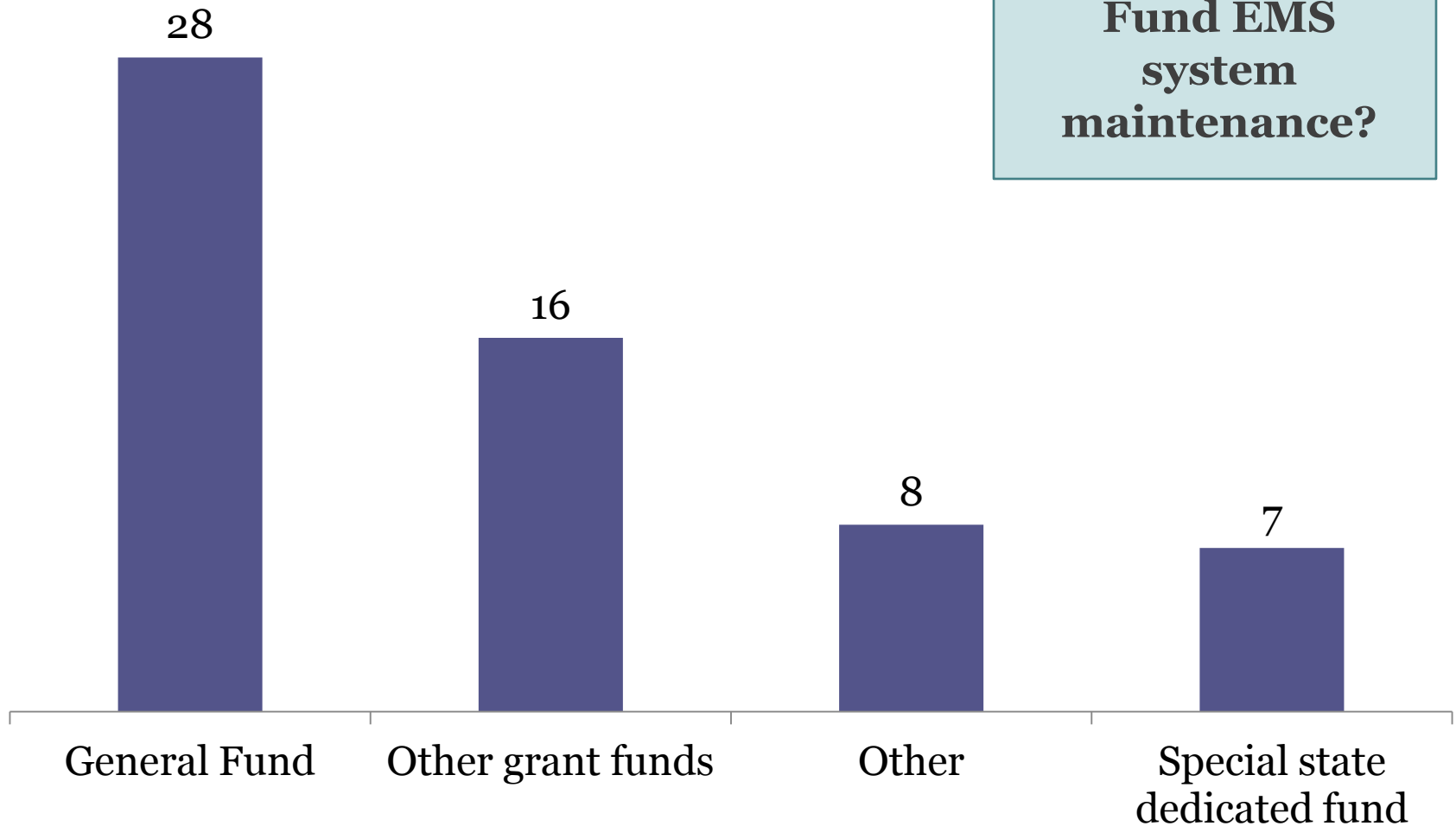
Question 12

Other than NHTSA 408 funds, how does or did your state fund ongoing EMS data system maintenance? (check all that apply or leave blank if none apply)

- General fund
- Other grant funds
- Special state dedicated fund
- Other (please specify)

Question 12: Results (n=59)

**Fund EMS
system
maintenance?**



Question 12: Fund Maintenance, 'Other' (n=8)

- All paid for with agency funding.
- Ambulance Service licensure fees
- EMS portion of state Highway Users Tax Fund (\$2.00 fee assessed on each car registration)
- license fees
- Other Federal Block Grants that are received directly by the EMS Office
- we only use 408 funds at this time (n=2)
- Wheel tax of fifty cents on specific vehicles, primarily cars, in {state}

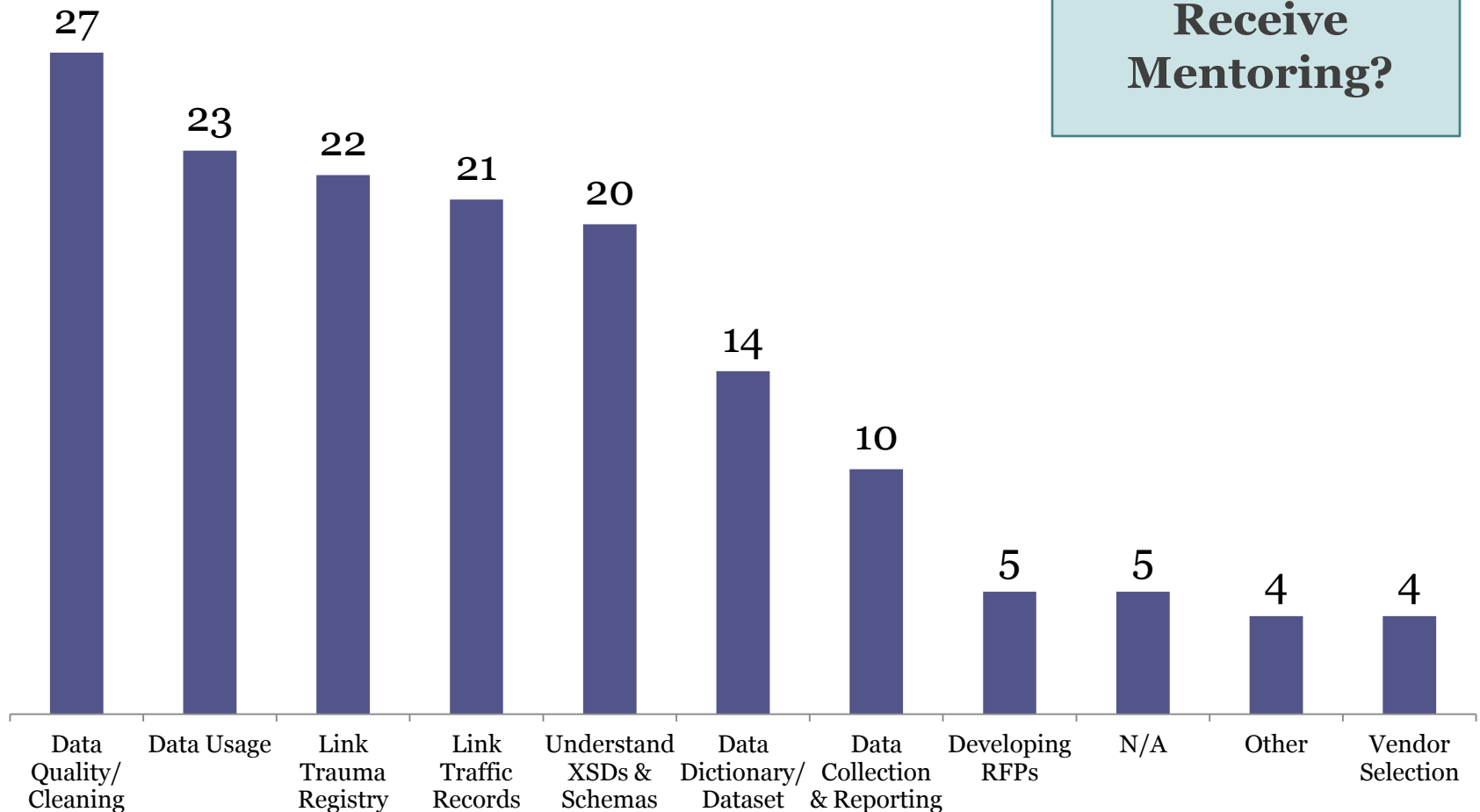
Question 13

I would like to receive mentoring in the following area(s). (select as many of the answers as apply)

- State EMS Data Collection and Reporting System (Startup issues / system rollout)
- Developing RFPs (Request for Proposal)
- Vendor Selection (State System)
- Understanding XSDs and Schemas
- Data Quality / Data Cleaning (business logic, data validation)
- Data Usage (reporting, benchmarking, performance measures)
- Development and maintenance of State Data Dictionary / Dataset
- Linking EMS data to Trauma Registry data (data elements, system resources)
- Linking EMS data to Traffic Records data (data elements, system resources)
- Not Applicable
- Other (please specify)

Question 13: Results (n=155; 41 states answered)

Receive Mentoring?



Question 13: Receive Mentoring, 'Other'

(n=4)

- Data analysis and modeling.
- Kimball approach to data warehouse development
- Intending to hire Data Manager within next year, then would be interested in a mentor.

Question 13: Receive Mentoring, 'Other'

(n=4)

- We are having a big problem with data quality. I checked the average scene time for 911 response to scene last week and it was 102 hours!!! One EPCR was the culprit. The date and time arrived on the scene were correct, but the EMS attendant typed in 2211 for the year transported. We corrected this record and now the state average on-scene time is -22 minutes. I wrote a report that services can run that identifies all EPCRs where a sequential time is less than a previous time. There are 6,661 occurrences in seven time differences that I am checking out of 71,000 911 response to scene. We fixed the negative times with validity rules in late 2010, but the old records need to be updated and fixed. I asked services to fix them by February 28, 2012 and they only need to go back to July 1, 2009. I am also writing reports that cover excessive times that services can run, review and update. We have some driving times in excess of 10 hours and these are not responses that roll past midnight. We just upgraded to ImageTrend v5 this morning. Joe Graw said he thinks it will allow us to write excessive time validity rule checking. i.e. driving time exceeds 15 minutes would generate a "please confirm time" and required double entry. No point deduction for the validity score. We are also having problems with services understanding the concept of incident number, EMS unit response number and PCR number. Since they are free text fields I am finding "standby" in the incident fields along with a lot of other garbage.

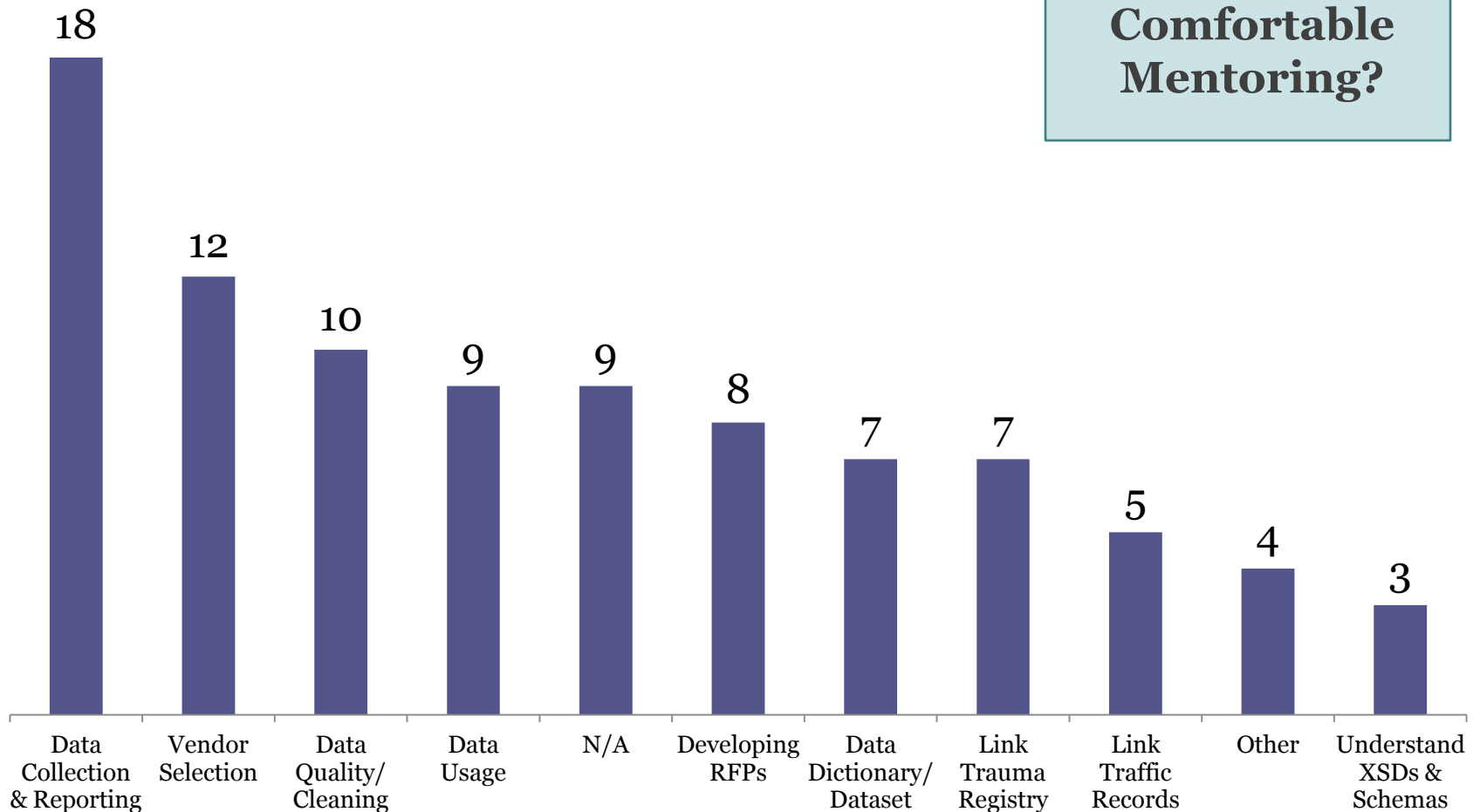
Question 14

I feel comfortable mentoring in the following area(s). (select as many of the answers as apply)

- State EMS Data Collection and Reporting System (Startup issues / system rollout)
- Developing RFPs (Request for Proposal)
- Vendor Selection (State System)
- Understanding XSDs and Schemas
- Data Quality / Data Cleaning (business logic, data validation)
- Data Usage (reporting, benchmarking, performance measures)
- Development and maintenance of State Data Dictionary / Dataset
- Linking EMS data to Trauma Registry data (data elements, system resources)
- Linking EMS data to Traffic Records data (data elements, system resources)
- Not Applicable
- Other (please specify)

Question 14: Results (n=92; 33 states answered)

Comfortable Mentoring?



Question 14: Comfortable Mentoring, 'Other' (n=4)

- Contracts
- I have a lot of general knowledge (and even more opinions), but would not necessarily consider myself an expert in any of these areas, but that does not mean that I would be unwilling to help other data managers out with some of these areas. Just ask, I let you know if it is beyond my scope.
- New to this position. Maybe in a year or two to start mentoring or asking to mentor.

Question 14: Comfortable Mentoring, 'Other' (n=4)

- I am glad to send anyone our complete acquisition process including the functional analysis we used and have done so to five or more states and the entire process is on the NEMESIS website for anyone to use. It is all written in Word or Excel and may be edited.