Deployment Restructuring for Economic Effectiveness

- Larger population density areas, larger compliance zones.
- Penalties to ensure response times, not solely accrue fines.
- More sensitive to MPDS macro determinants.
- Differential response to low acuity incidents.
- Penalty size and frequency to ensure deployment compliance, not payment of fines in lieu of needed deployment.
- Consider more BLS and less fire department response to low acuity incidents. Some systems cannot wait for pilots, new payor policies, or alternative destinations.
- Allow competitive bids for dispatching.
Incident Density by Block Group
July 1st 2014 through June 30th 2015

Legend
EMS Posts
Incidents / Square Mile
0 - 635.8
635.9 - 1737
1738 - 4919
4920 - 12700
City Limits
Socioeconomic Trends & Workload Projection

• Deeply understand
  – Population density
  – Whether correlations between types of EMS incidents and land use patterns exist

• Best regression analysis trends- San Jose
  – Total Population
  – Population Density
  – Median Household Income
  – Percent Owner Occupied
Population Density Change

Red indicates potential growth in incidents.
Green indicates potential decline in incidents.

Legend:
- < -2.3 Std. Dev.
- -2.3 - -1.8 Std. Dev.
- -1.8 - -1.3 Std. Dev.
- -1.3 - -0.75 Std. Dev.
- -0.75 - -0.25 Std. Dev.
- -0.25 - 0.25 Std. Dev.
- 0.25 - 0.75 Std. Dev.
- 0.75 - 1.3 Std. Dev.
- 1.3 - 1.8 Std. Dev.
- 1.8 - 2.3 Std. Dev.
- > 2.3 Std. Dev.

Alameda County
Median Home Value Change

Red indicates potential growth in incidents.
Green indicates potential decline in incidents.
Percent Owner Occupied Change

Red indicates potential growth in Incidents
Green indicates potential decline in incidents

Legend:
- -2.0 Std. Dev.
- -2.0 - 2.3 Std. Dev.
- -2.3 - 1.8 Std. Dev.
- -1.8 - 1.3 Std. Dev.
- -1.3 - 0.75 Std. Dev.
- 0.75 - 1.2 Std. Dev.
- 1.2 - 1.7 Std. Dev.
- 1.7 - 2.2 Std. Dev.
- 2.2 - 2.7 Std. Dev.
- > 2.7 Std. Dev.

Alameda County
Per Capita Income Change

Red indicates potential growth in incidents.
Green indicates potential decline in incidents.
Total Housing Units Change

Red indicates potential growth in incidents.
Green indicates potential decline in incidents.
Deployment Software and Oversight

• Do you understand the software and algorithms your contractor uses?
• How do you verify performance?
• How do you know before a penalty is incurred, if the deployment plan is sufficient?
The “Alliance” and now the CAA challenge.
AMR buys Rural Metro.
Which *experienced*, large system private firms are left?
What is “competition”?
Emerging rules on use of transport funds for local government service support.
Can profit caps be continued?
How long can a contract term last?
What is/will be EMSA position on anti-trust if there is only one private sector bidder?
Questions?