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# Lunenburg Fire-Rescue





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# Fire Department

- Personnel

- Chief
- 1 Administrative Asst./EMT
- 3 Career Officer/EMTs
- 4 Call Fire Officers (3 EMT's)
- 40 Call Firefighters and EMTs

- Apparatus

- 3 Engines/1 Ladder
- 2 Brush/Forestry Units
- 2 Ambulances
- 4 Utility and Support Units



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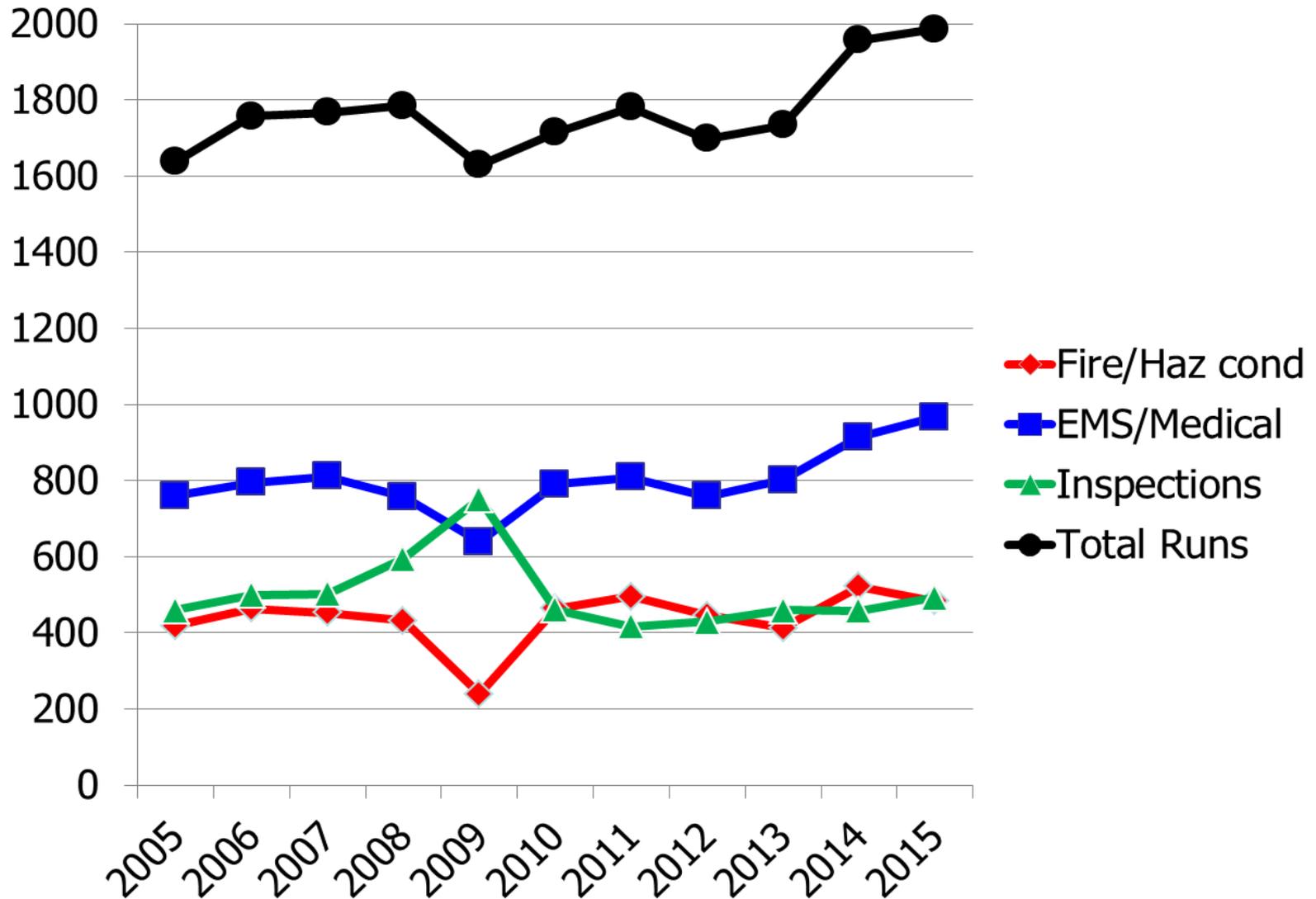
# Response Breakdown 2015

Call Type	Number
Fires/Haz Cond.	171
Alarms	173
Service	139
EMS/Rescue	967
Inspections	493
Other	37
Total	1985



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# Responses by Year





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# Other Duties

- **Fire Prevention and Safety Education**
  - Fire Investigation
  - Fire Code Inspection and Enforcement
  - Construction and Plan Review
  - Public Education and Training
  
- **Administration and Support**
  - Training
  - Maintenance
  - Data Collection
  - Emergency Management



# Training

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# Training

- Bi-weekly Drills
- Firefighter I/II Recruits
- Use of new equipment
- Operator Training
- 1<sup>st</sup> Responder
- EMT Continuing Ed.
- Hazardous Materials
- Technical Rescue
- Officer Training
- Specialized Training





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# EMPG/Homeland Security

- **EMPG- FY' 15 (\$2750)**
  - **Replacement radio equipment**
    - Pagers
    - Portable Radios
  - **FY'16 (\$2750)**
    - Shelter Equipment & Supplies



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# S.A.F.E./Senior SAFE

- \$7,218
  - Education projects in Grades K-3
  - Education/Safety Projects for Senior Citizens
  - Purchase of Smoke and CO Detectors for Seniors in need



# Proposed Budget

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## 2017 Proposed

- **Salary Increases**
  - Contractual
  - Step Raises
- **Funding for 24/7 Per Diem Staffing**
- **Increases in Training**
- **Increases in EMS Supplies**





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# Time Definitions

- Dispatch Time – The time required to process an emergency call from receipt to notification of units
- Turnout Time – The time from notification to wheels turning on the apparatus
- Response Time – Wheels turning to arrival at scene



# Time Objectives – Fire/EMS Incidents

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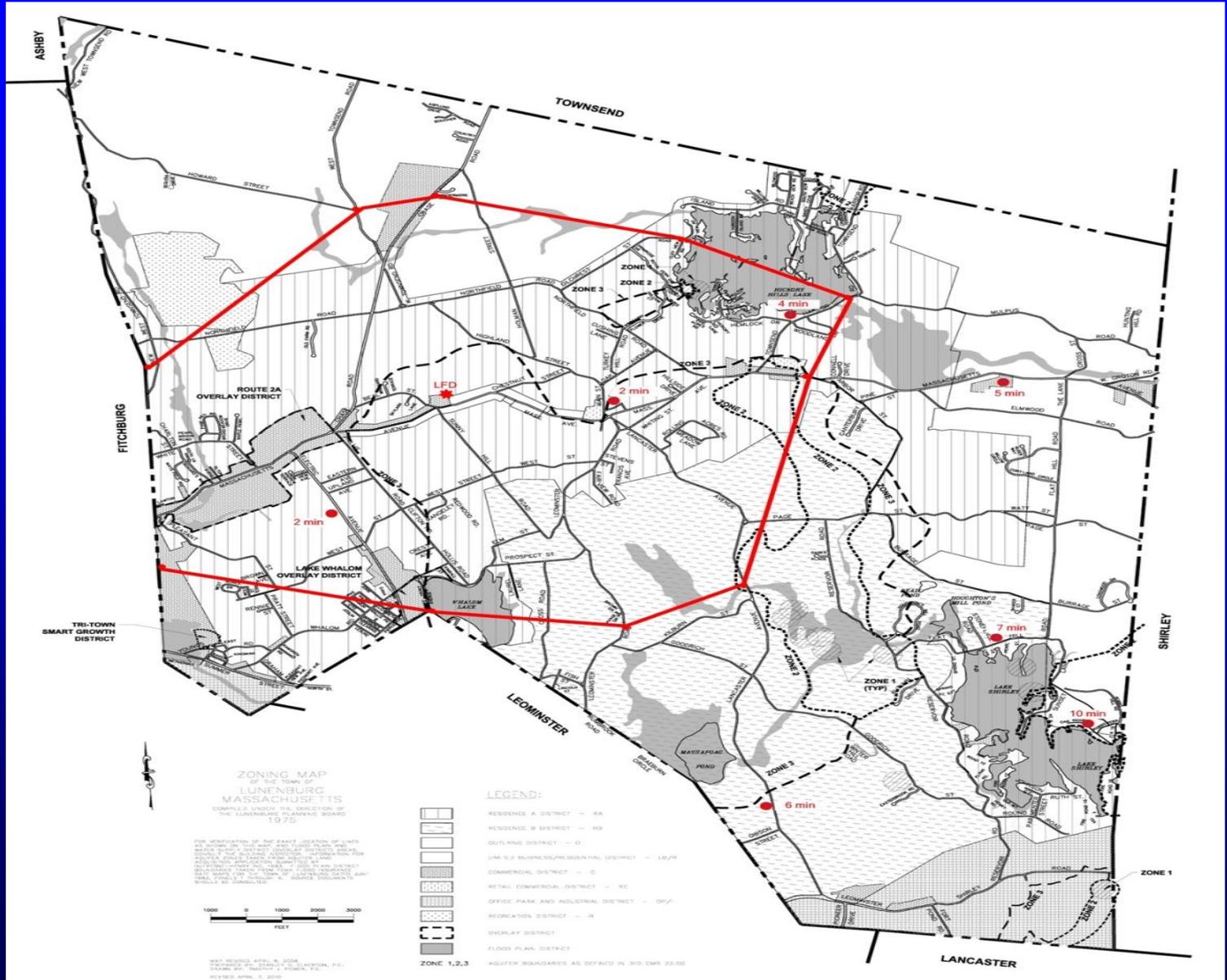
- Turn out time 1 Minute
- Response Time – 1<sup>st</sup> Engine/Amb. <4 Minutes
- Response Time – 1<sup>st</sup> Alarm Co's/ALS <8 Minutes

Response times are to be met on at least 90% of incidents



# 4 Minute Response Time

2017 BUDGET





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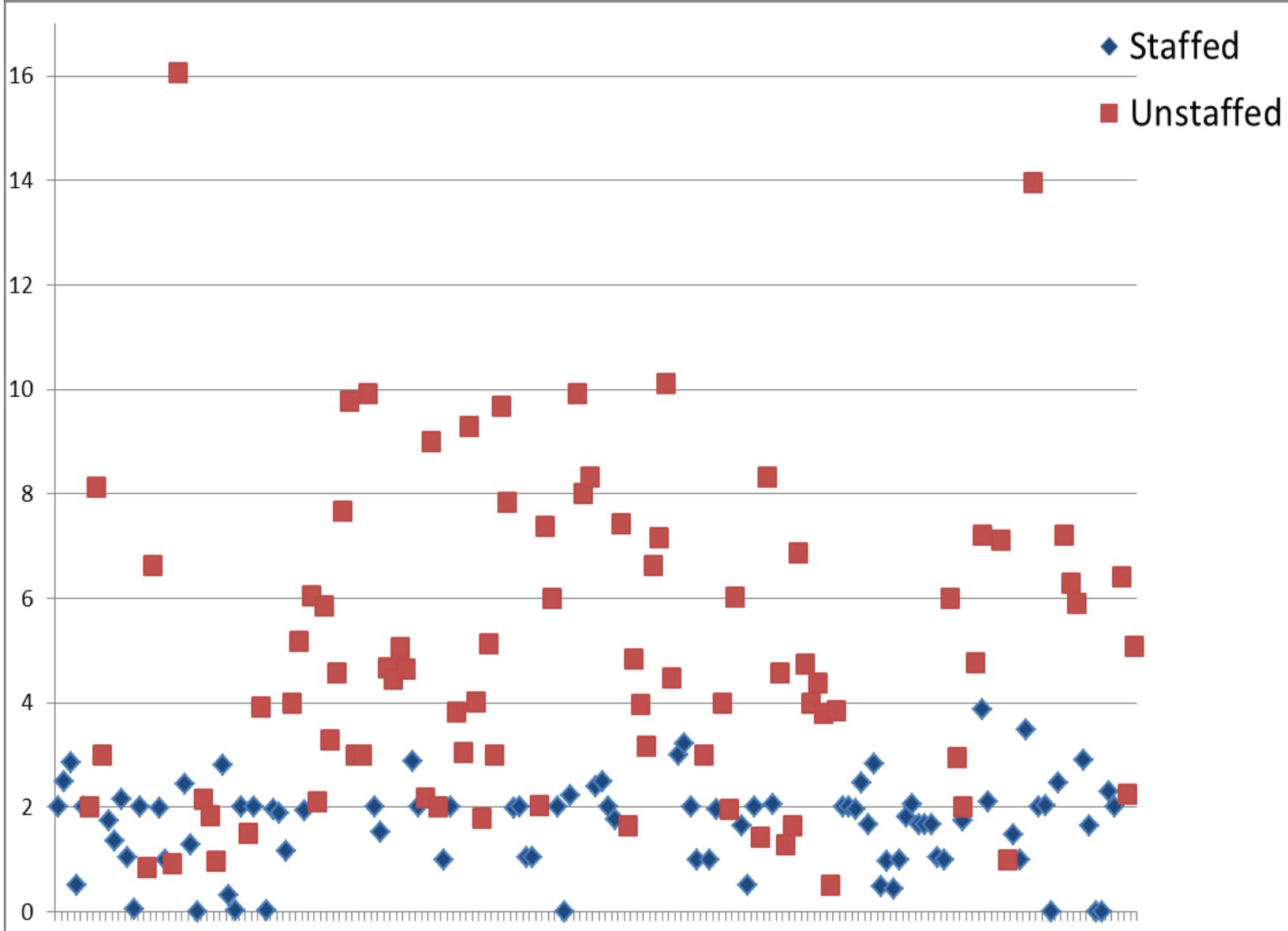
# Dispatch/Turnout Times

- Dispatch Time – Target 1min or less
- Turnout Time – Target 1min or less
  - Station staffed – 1:59 Avg
  - Station not staffed – 3:51 Avg.



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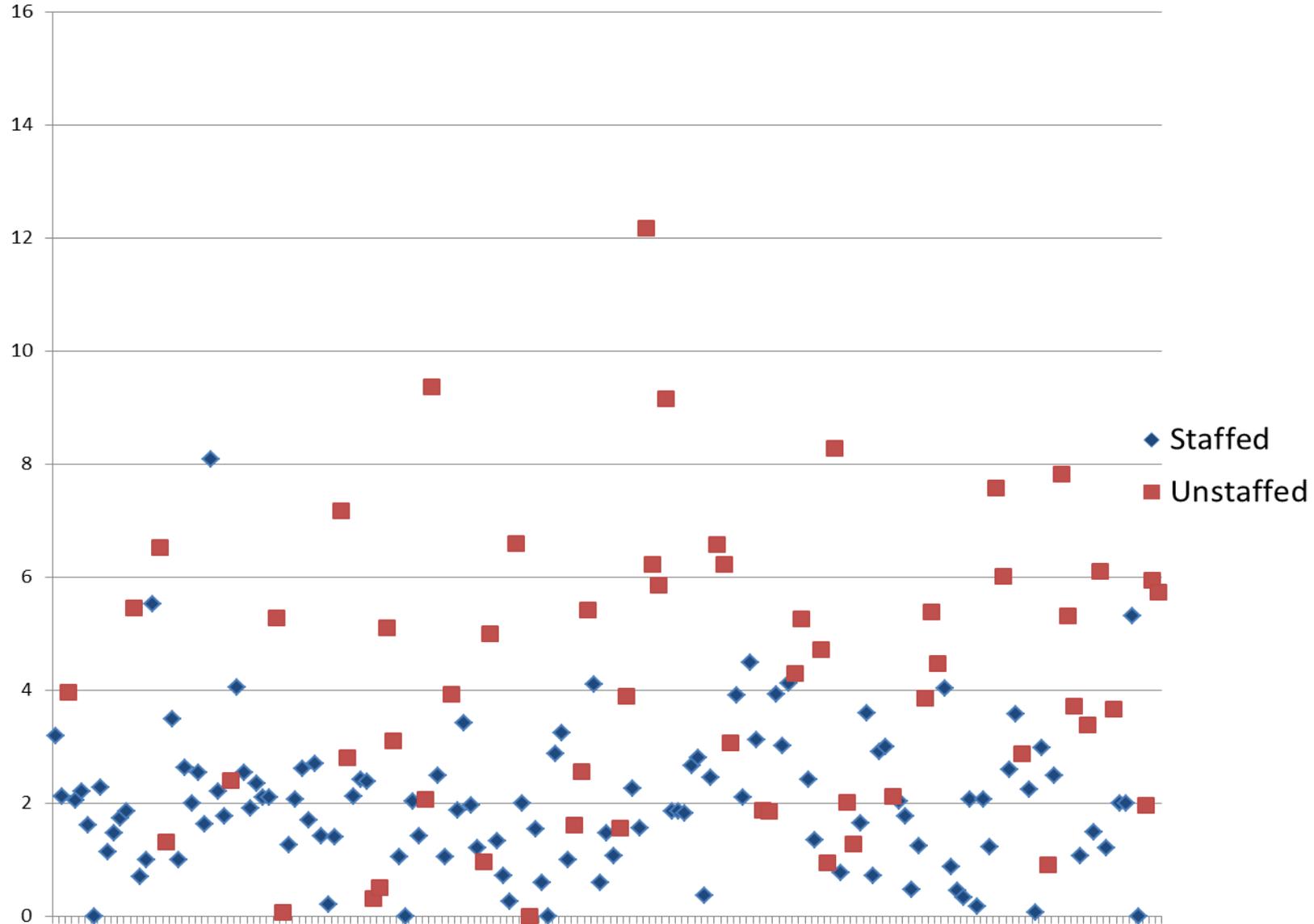
# Sept.-Oct. 2014 Turnout Times





# Sept.-Oct. 2015 Turnout Times

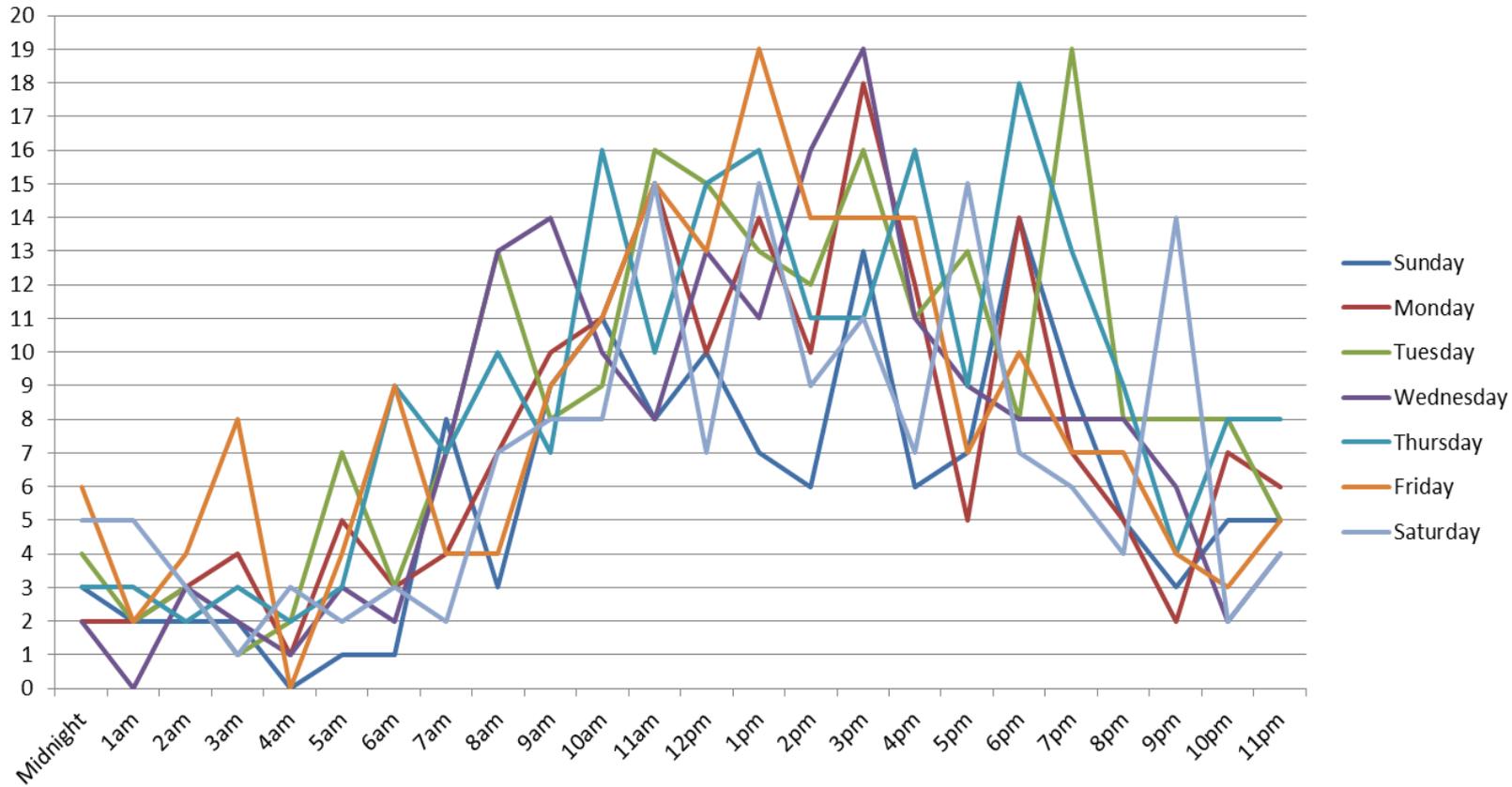
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# Runs by Time of Day

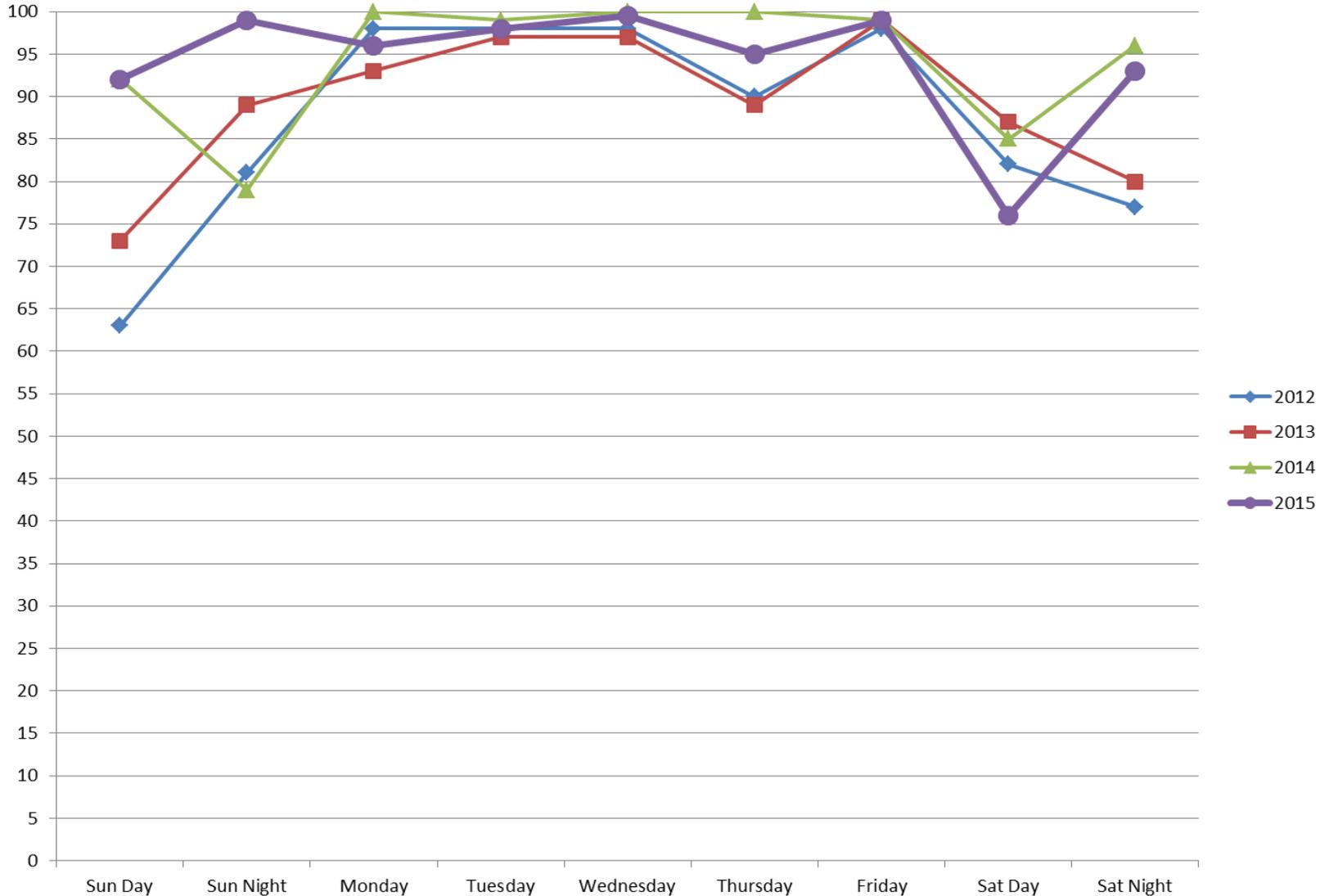
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# Hard Call Coverage % by Shift

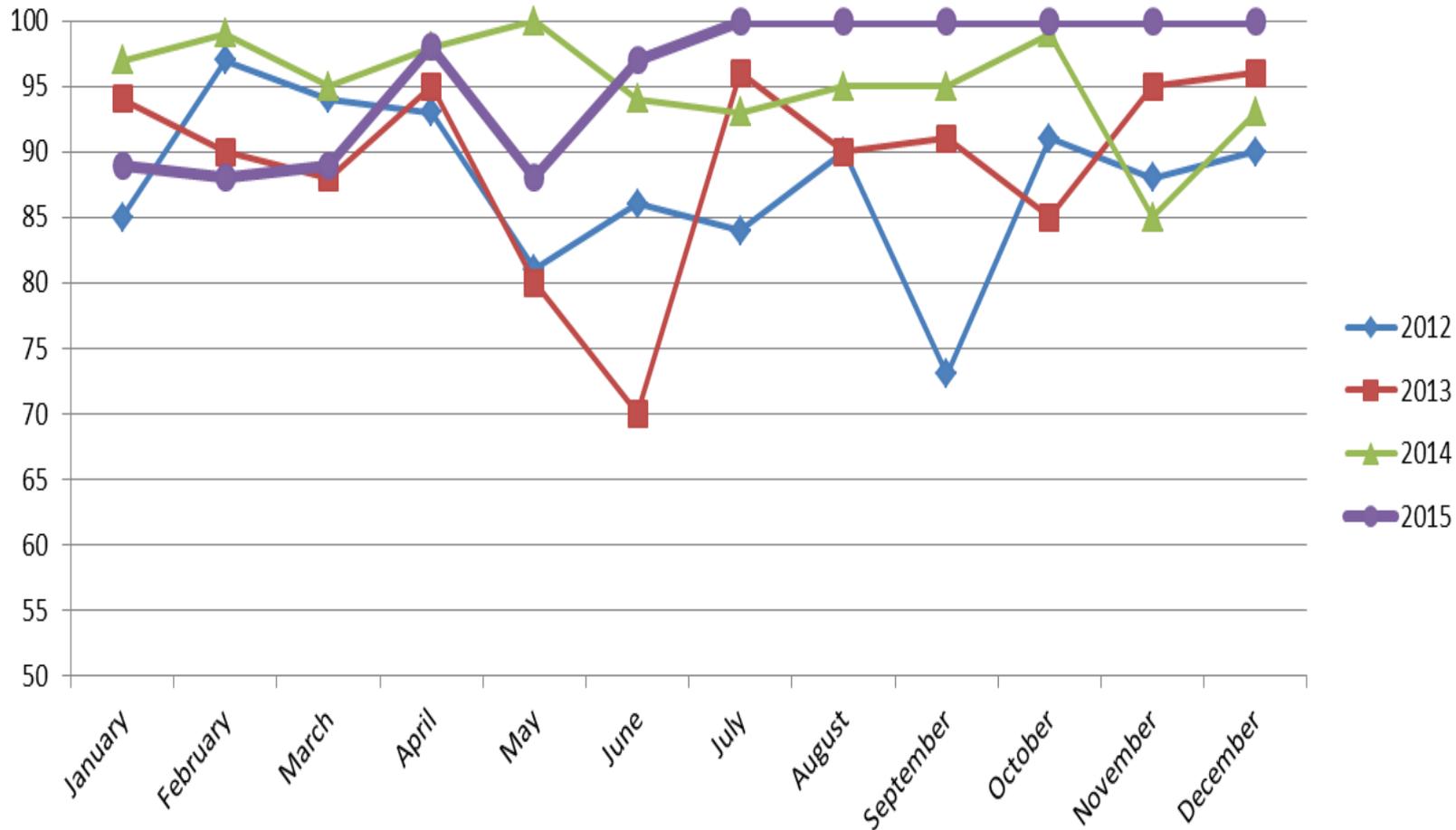
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# Hard Call Coverage by month

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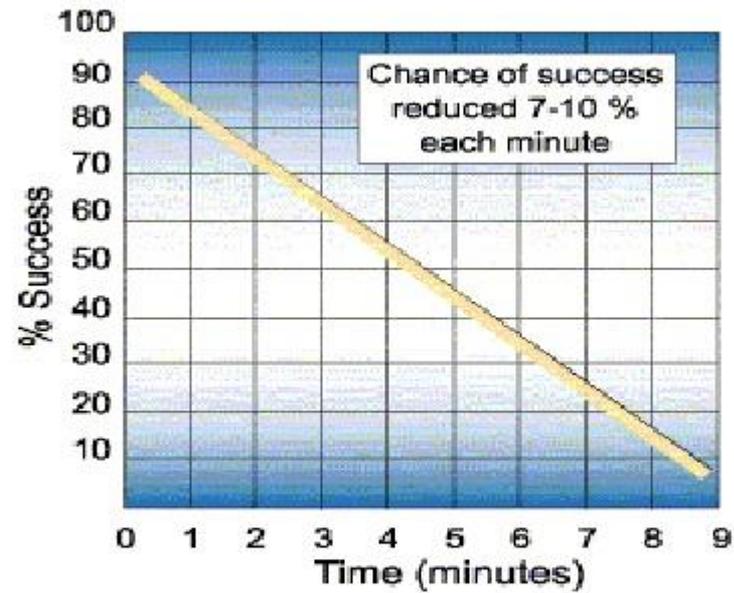




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# Response Time Considerations

## Resuscitation success vs Time



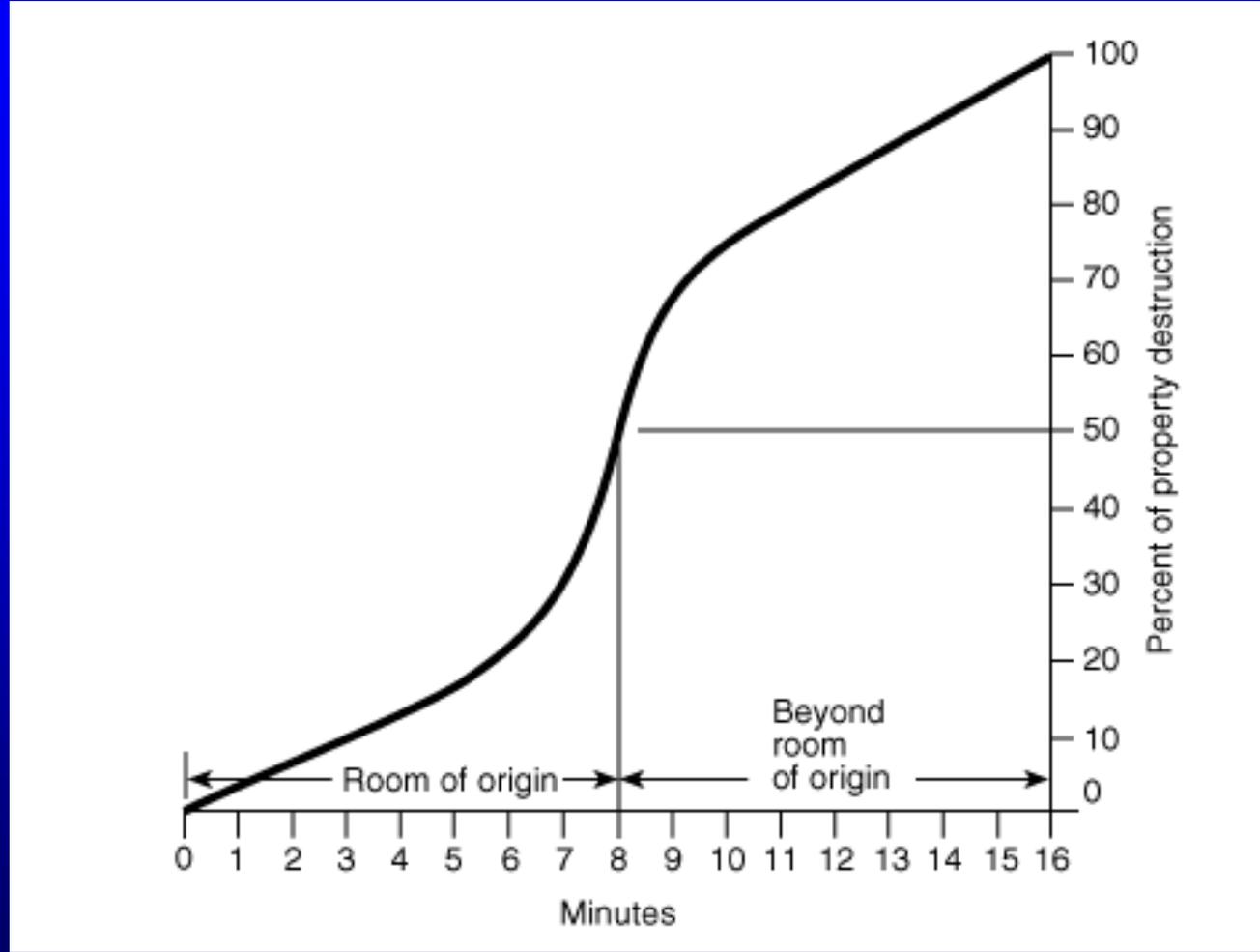
Non-linear  
adapted from text: Cummins RO, Annals Emerg Med, 1989, 18:1269-1275.

Heart Attack Survival Rates



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# Response Time Considerations



Fire Growth



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# Training

- **\$12,000 Additional EMS Training**
  - **New mandates for training by State**
    - Stretcher Safety/Restraints
    - Bloodborne Pathogens
    - Glucometer/Narcan
    - Protocol Updates
    - ALS/BLS Interface training
  - **Funds would cover quarterly training sessions and 1- 8 hr. drill/year**



# Expense Line Items

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Item	2014	2015	2016	2017 Proposed
EMS Supplies	6,000	6,000	6,000	<b>11,000</b>
Dues/ Membership	1,335	2,000	2,000	<b>3,000</b>



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# Vehicle Maintenance

- As equipment ages, repair expenses increase.
- Some cost savings through using DPW Mechanic
- Many repairs need to be sent out either due to complexity or time factor



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# Apparatus



- 3 Engines/Pumpers
  - 1 doubles as Heavy Rescue Unit
- 1 Ladder
- 2 Forestry
- 2 Ambulances
- 1 Water Rescue Unit
- 3 Support Vehicles





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# Planned Replacement Cycles

- Engines/Pumpers- 20 years
- Aerial- 25 years
- Forestry- 30 years\*
- Ambulance- 10-12 years
- Support Vehicles- 10 years\*



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# Impact of Budget as Recommended

- Status quo operationally
- Continued extended response times 6pm-6am
- Continued challenge for recruitment/retention of EMT's
- Ambulance/Emergency supply reserves falling short, as requests for service and costs continue to increase; Continued drain from replacement firefighting equipment to support EMS supplies.



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# Impact of Above Target Funding

- 24/7 coverage would provide a faster and more consistent initial response to EMS and Fire incidents
- Increase in Training funding would improve retention of On Call Staff and provide more training opportunities for personnel.



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Thank You