

## Lights and Sirens Survey- February 2022

### Survey Demographics

#### Level of licensure

AEMT	37
Driver with CPR	40
EMR	214
EMT	444
Law Enforcement	8
Other -fire dept/retired	4
Paramedic	173
Registered Nurse	8
<b>Grand Total</b>	<b>928</b>

#### Years of Service

<5 years	223
11-15 years	140
16-20 years	94
6-10 years	210
More than 20 years	262
<b>Grand Total</b>	<b>929</b>

#### Role

care provider	348
management	68
Other -instructor	18
responder	495
<b>Grand Total</b>	<b>929</b>

#### Service Area

Other -both service areas	45
rural areas	741
urban areas	140
<b>Grand Total</b>	<b>926</b>

## Lights and Sirens Survey- February 2022

### EMS response with lights and siren shortens response times.

**Overall: 59% agreed, 19% disagreed and 21% were neutral.**

Generally, all varying years of service agreed and those with less than 5 years agreed at the most at 71% compared to 49% for those with more than 20 years. Among licensure levels, EMR, EMT and driver with CPR agreed more than 60% with this statement, however paramedics agreed less at 47 % and AEMT agreed less at 32%. Responders agreed more than management.

Response Times			
Years of Service	Agree	Disagree	Neutral
<5 years	70.85%	11.21%	17.94%
11-15 years	53.57%	22.86%	23.57%
16-20 years	62.77%	18.09%	19.15%
6-10 years	61.43%	15.71%	22.86%
More than 20 years	48.85%	28.24%	22.90%
<b>Grand Total</b>	<b>59.10%</b>	<b>19.48%</b>	<b>21.42%</b>

Response Times			
License Level	Agree	Disagree	Neutral
AEMT	32.43%	27.03%	40.54%
Driver with CPR	77.50%	15.00%	7.50%
EMR	66.82%	10.75%	22.43%
EMT	60.36%	18.69%	20.95%
Law Enforcement (8 ppl)	75.00%	0.00%	25.00%
Other (4 ppl)	100.00%	0.00%	0.00%
Paramedic	46.82%	32.95%	20.23%
Registered Nurse (8 ppl)	50.00%	25.00%	25.00%
<b>Grand Total</b>	<b>59.10%</b>	<b>19.48%</b>	<b>21.42%</b>

Response Times			
Role & Years of Service	Agree	Disagree	Neutral
<b>care provider</b>	52.87%	25.00%	22.13%
<5 years	66.10%	16.95%	16.95%
11-15 years	46.00%	22.00%	32.00%
16-20 years	59.46%	27.03%	13.51%
6-10 years	62.50%	16.25%	21.25%
More than 20 years	40.98%	35.25%	23.77%
<b>management</b>	36.76%	35.29%	27.94%
<5 years	80.00%	20.00%	0.00%
11-15 years	33.33%	50.00%	16.67%
16-20 years	25.00%	33.33%	41.67%
6-10 years	0.00%	50.00%	50.00%
More than 20 years	45.16%	29.03%	25.81%
<b>responder</b>	67.07%	13.13%	19.80%
<5 years	72.61%	8.28%	19.11%
11-15 years	64.00%	18.67%	17.33%
16-20 years	77.27%	6.82%	15.91%
6-10 years	64.96%	12.82%	22.22%
More than 20 years	58.82%	19.61%	21.57%
<b>Grand Total</b>	<b>59.39%</b>	<b>19.32%</b>	<b>21.30%</b>

## Lights and Sirens Survey- February 2022

### EMS response with lights and siren improves patient outcome.

**Overall: 40% agreed, 23% disagreed and 37% were neutral.**

Responders were more likely to agree with this statement than any other role, while those in management were more likely to disagree. EMT and EMR and were also more likely to agree with this statement than any other license level and Paramedics disagreed more than any other license level. 50% of those with less than 5 years of service agreed more than others and those with more than 20 years of service were more neutral with their response.

Response Outcome			
Years of Service	Agree	Disagree	Neutral
<5 years	50.45%	13.64%	35.91%
11-15 years	36.50%	25.55%	37.96%
16-20 years	42.39%	28.26%	29.35%
6-10 years	45.81%	18.72%	35.47%
More than 20 years	27.06%	32.16%	40.78%
<b>Grand Total</b>	<b>39.91%</b>	<b>23.26%</b>	<b>36.82%</b>

Response Outcome			
License Level	Agree	Disagree	Neutral
AEMT	32.43%	27.03%	40.54%
Driver with CPR	40.00%	10.00%	50.00%
EMR	54.50%	9.48%	36.02%
EMT	41.11%	21.71%	37.18%
Law Enforcement (1% or 8 ppl)	75.00%	12.50%	12.50%
Other (please specify)	25.00%	25.00%	50.00%
Paramedic	19.76%	47.31%	32.93%
Registered Nurse (1% or 8 ppl)	14.29%	28.57%	57.14%
<b>Grand Total</b>	<b>39.91%</b>	<b>23.26%</b>	<b>36.82%</b>

Response Outcome			
Role & Years of Service	Agree	Disagree	Neutral
<b>care provider</b>	<b>31.99%</b>	<b>30.55%</b>	<b>37.46%</b>
<5 years	44.83%	24.14%	31.03%
11-15 years	24.00%	30.00%	46.00%
16-20 years	35.14%	37.84%	27.03%
6-10 years	38.75%	26.25%	35.00%
More than 20 years	23.77%	34.43%	41.80%
<b>management</b>	<b>14.93%</b>	<b>49.25%</b>	<b>35.82%</b>
<5 years	40.00%	40.00%	20.00%
11-15 years	8.33%	41.67%	50.00%
16-20 years	18.18%	54.55%	27.27%
6-10 years	0.00%	50.00%	50.00%
More than 20 years	16.13%	51.61%	32.26%
<b>responder</b>	<b>48.88%</b>	<b>14.60%</b>	<b>36.51%</b>
<5 years	52.87%	8.92%	38.22%
11-15 years	49.33%	20.00%	30.67%
16-20 years	54.55%	13.64%	31.82%
6-10 years	53.91%	11.30%	34.78%
More than 20 years	34.31%	23.53%	42.16%
<b>Grand Total</b>	<b>39.91%</b>	<b>23.26%</b>	<b>36.82%</b>

## Lights and Sirens Survey- February 2022

### EMS response with lights and siren increases the risk of collision during response.

**Overall: 49% agreed, 33% disagreed and 18% were neutral.**

Those with more than 20 years and 16-20 years of service agreed more with this statement than any other years. Driver with CPR and EMR disagreed the most than any other licensure level. Management agreed at 78% versus responders who only agreed at 36%.

Response Risk			
Years of Service	Agree	Disagree	Neutral
<5 years	40.36%	43.50%	16.14%
11-15 years	47.86%	28.57%	23.57%
16-20 years	52.13%	34.04%	13.83%
6-10 years	43.33%	35.71%	20.95%
More than 20 years	59.77%	24.90%	15.33%
<b>Grand Total</b>	<b>48.81%</b>	<b>33.30%</b>	<b>17.89%</b>

Response Risk			
Licensure Level	Agree	Disagree	Neutral
AEMT	62.16%	27.03%	10.81%
Driver with CPR	25.00%	42.50%	32.50%
EMR	26.64%	52.34%	21.03%
EMT	46.17%	32.43%	21.40%
Law Enforcement (1% or 8 ppl)	42.86%	28.57%	28.57%
Other (please specify)	50.00%	50.00%	0.00%
Paramedic	86.13%	9.83%	4.05%
Registered Nurse (1% or 8 ppl)	50.00%	50.00%	0.00%
<b>Grand Total</b>	<b>48.81%</b>	<b>33.30%</b>	<b>17.89%</b>

Response Risk			
Roll & Years of Service	Agree	Disagree	Neutral
<b>care provider</b>	<b>60.06%</b>	<b>23.56%</b>	<b>16.38%</b>
<5 years	64.41%	28.81%	6.78%
11-15 years	64.00%	16.00%	20.00%
16-20 years	62.16%	18.92%	18.92%
6-10 years	50.00%	23.75%	26.25%
More than 20 years	62.30%	25.41%	12.30%
<b>management</b>	<b>77.94%</b>	<b>14.71%</b>	<b>7.35%</b>
<5 years	80.00%	20.00%	0.00%
11-15 years	75.00%	8.33%	16.67%
16-20 years	66.67%	33.33%	0.00%
6-10 years	87.50%	0.00%	12.50%
More than 20 years	80.65%	12.90%	6.45%
<b>responder</b>	<b>36.44%</b>	<b>43.32%</b>	<b>20.24%</b>
<5 years	30.57%	49.04%	20.38%
11-15 years	30.67%	41.33%	28.00%
16-20 years	38.64%	47.73%	13.64%
6-10 years	35.04%	47.01%	17.95%
More than 20 years	50.50%	29.70%	19.80%
<b>Grand Total</b>	<b>48.57%</b>	<b>33.63%</b>	<b>17.80%</b>

## Lights and Sirens Survey- February 2022

**Responding with lights and sirens is required to bill “emergent”.**

**Overall: 23% agreed, 43% disagreed and 38% were neutral.**

Data from this statement was unsurprising amongst all years of service, licensure levels and roles. The general consensus was to “disagree” or “neutral”.

Response Bill			
Years of Service	Agree	Disagree	Neutral
<5 years	32.27%	32.73%	35.00%
11-15 years	17.86%	50.00%	32.14%
16-20 years	21.28%	48.94%	29.79%
6-10 years	27.75%	37.32%	34.93%
More than 20 years	14.94%	50.96%	34.10%
<b>Grand Total</b>	<b>23.05%</b>	<b>43.18%</b>	<b>33.77%</b>

Response Bill			
Licensure Level	Agree	Disagree	Neutral
AEMT	21.62%	45.95%	32.43%
Driver with CPR	30.00%	20.00%	50.00%
EMR	31.43%	29.52%	39.05%
EMT	22.57%	42.44%	34.99%
Law Enforcement (1% or 8 ppl)	50.00%	12.50%	37.50%
Other (please specify)	25.00%	50.00%	25.00%
Paramedic	11.56%	67.05%	21.39%
Registered Nurse (1% or 8 ppl)	25.00%	50.00%	25.00%
<b>Grand Total</b>	<b>23.05%</b>	<b>43.18%</b>	<b>33.77%</b>

Response Bill			
Roll & Years of Service	Agree	Disagree	Neutral
<b>care provider</b>	<b>20.11%</b>	<b>52.30%</b>	<b>27.59%</b>
<5 years	25.42%	49.15%	25.42%
11-15 years	14.00%	54.00%	32.00%
16-20 years	21.62%	59.46%	18.92%
6-10 years	22.50%	45.00%	32.50%
More than 20 years	18.03%	55.74%	26.23%
<b>management</b>	<b>16.18%</b>	<b>75.00%</b>	<b>8.82%</b>
<5 years	20.00%	60.00%	20.00%
11-15 years	16.67%	75.00%	8.33%
16-20 years	16.67%	66.67%	16.67%
6-10 years	25.00%	75.00%	0.00%
More than 20 years	12.90%	80.65%	6.45%
<b>responder</b>	<b>25.92%</b>	<b>32.45%</b>	<b>41.63%</b>
<5 years	35.71%	25.32%	38.96%
11-15 years	21.33%	42.67%	36.00%
16-20 years	22.73%	36.36%	40.91%
6-10 years	29.31%	30.17%	40.52%
More than 20 years	11.88%	36.63%	51.49%
<b>Grand Total</b>	<b>22.96%</b>	<b>43.27%</b>	<b>33.77%</b>

## Lights and Sirens Survey- February 2022

### EMS transport with lights and siren shortens transport time.

Overall: 58% agreed, 20% disagreed and 22% were neutral.

Those with less than 5 years of service agreed more than those with more than 20 years of service. Driver with CPR agreed at 80% where as a paramedic agreed at 41%. Responders and care providers agreed more than management.

Transport Time			
Years of Service	Agree	Disagree	Neutral
<5 years	71.17%	12.61%	16.22%
11-15 years	56.43%	20.71%	22.86%
16-20 years	53.19%	21.28%	25.53%
6-10 years	63.33%	15.24%	21.43%
More than 20 years	44.83%	28.74%	26.44%
<b>Grand Total</b>	<b>57.93%</b>	<b>19.85%</b>	<b>22.22%</b>

Transport Time			
Level of Licensure	Agree	Disagree	Neutral
AEMT	48.65%	24.32%	27.03%
Driver with CPR	80.00%	10.00%	10.00%
EMR	69.48%	11.27%	19.25%
EMT	58.01%	19.64%	22.35%
Law Enforcement (1% or 8 ppl)	62.50%	12.50%	25.00%
Other (please specify)	50.00%	0.00%	50.00%
Paramedic	41.04%	32.37%	26.59%
Registered Nurse (1% or 8 ppl)	50.00%	37.50%	12.50%
<b>Grand Total</b>	<b>57.93%</b>	<b>19.85%</b>	<b>22.22%</b>

Transport Time			
Role & Years of Service	Agree	Disagree	Neutral
<b>care provider</b>	<b>51.59%</b>	<b>23.05%</b>	<b>25.36%</b>
<5 years	66.10%	13.56%	20.34%
11-15 years	54.00%	18.00%	28.00%
16-20 years	40.54%	27.03%	32.43%
6-10 years	65.00%	16.25%	18.75%
More than 20 years	38.02%	33.06%	28.93%
<b>management</b>	<b>36.76%</b>	<b>36.76%</b>	<b>26.47%</b>
<5 years	60.00%	20.00%	20.00%
11-15 years	33.33%	41.67%	25.00%
16-20 years	25.00%	41.67%	33.33%
6-10 years	25.00%	50.00%	25.00%
More than 20 years	41.94%	32.26%	25.81%
<b>responder</b>	<b>65.79%</b>	<b>14.78%</b>	<b>19.43%</b>
<5 years	73.08%	12.18%	14.74%
11-15 years	62.67%	18.67%	18.67%
16-20 years	72.73%	9.09%	18.18%
6-10 years	64.96%	11.97%	23.08%
More than 20 years	54.90%	21.57%	23.53%
<b>Grand Total</b>	<b>58.20%</b>	<b>19.58%</b>	<b>22.22%</b>

## Lights and Sirens Survey- February 2022

### EMS transport with lights and siren improves patient outcome.

**Overall: 36% agreed, 27% disagreed and 37% were neutral.**

Those with up to 10 years of service agreed more than those with more than 20 years of service. Driver with CPR and EMR agreed the most out of any licensure level. Responders agreed more than care providers and management. Management agreed less and less as their years of service increased.

Transport Outcome			
Years of Service	Agree	Disagree	Neutral
<5 years	43.50%	17.94%	38.57%
11-15 years	34.29%	24.29%	41.43%
16-20 years	35.48%	32.26%	32.26%
6-10 years	42.86%	21.43%	35.71%
More than 20 years	23.94%	39.38%	36.68%
<b>Grand Total</b>	<b>35.68%</b>	<b>27.14%</b>	<b>37.19%</b>

Transport Outcome			
Level of Licensure	Agree	Disagree	Neutral
AEMT	27.78%	36.11%	36.11%
Driver with CPR	47.50%	10.00%	42.50%
EMR	47.89%	8.92%	43.19%
EMT	36.34%	26.86%	36.79%
Law Enforcement (1% or 8 ppl)	50.00%	12.50%	37.50%
Other (please specify)	25.00%	50.00%	25.00%
Paramedic	18.02%	51.74%	30.23%
Registered Nurse (1% or 8 ppl)	25.00%	37.50%	37.50%
<b>Grand Total</b>	<b>35.68%</b>	<b>27.14%</b>	<b>37.19%</b>

Transport Outcome			
Role & Years of Service	Agree	Disagree	Neutral
<b>care provider</b>	<b>29.19%</b>	<b>34.97%</b>	<b>35.84%</b>
<5 years	33.90%	25.42%	40.68%
11-15 years	28.00%	30.00%	42.00%
16-20 years	24.32%	35.14%	40.54%
6-10 years	38.75%	28.75%	32.50%
More than 20 years	22.50%	45.83%	31.67%
<b>management</b>	<b>17.65%</b>	<b>57.35%</b>	<b>25.00%</b>
<5 years	40.00%	40.00%	20.00%
11-15 years	25.00%	41.67%	33.33%
16-20 years	16.67%	66.67%	16.67%
6-10 years	0.00%	62.50%	37.50%
More than 20 years	16.13%	61.29%	22.58%
<b>responder</b>	<b>43.41%</b>	<b>17.04%</b>	<b>39.55%</b>
<5 years	46.50%	14.65%	38.85%
11-15 years	41.33%	16.00%	42.67%
16-20 years	51.16%	18.60%	30.23%
6-10 years	49.57%	13.68%	36.75%
More than 20 years	29.70%	24.75%	45.54%
<b>Grand Total</b>	<b>36.05%</b>	<b>26.90%</b>	<b>37.05%</b>

## Lights and Sirens Survey- February 2022

### EMS transport with lights and siren increases the risk of collision during transport.

**Overall: 47% agreed, 32% disagreed and 20% were neutral.**

Those with 6 to more than 20 years of service agreed more than with those who had less than 5 years of service. Driver with CPR and EMR disagreed with this statement more than any other licensure level. Management agreed at 75% compared to responders who agreed at 34%. Responders with more years of service agreed more as their years of service increased.

Transport Risk			
Years of Service	Agree	Disagree	Neutral
<5 years	36.77%	44.39%	18.83%
11-15 years	45.71%	25.71%	28.57%
16-20 years	47.87%	35.11%	17.02%
6-10 years	45.71%	33.81%	20.48%
More than 20 years	58.24%	23.37%	18.39%
<b>Grand Total</b>	<b>47.31%</b>	<b>32.33%</b>	<b>20.37%</b>

Transport Risk			
Level of Licensure	agree	Disagree	Neutral
AEMT	62.16%	21.62%	16.22%
Driver with CPR	22.50%	52.50%	25.00%
EMR	23.47%	54.46%	22.07%
EMT	45.27%	29.28%	25.45%
Law Enforcement (1% or 8 ppl)	50.00%	25.00%	25.00%
Other (please specify)	25.00%	25.00%	50.00%
Paramedic	85.55%	9.83%	4.62%
Registered Nurse (1% or 8 ppl)	37.50%	50.00%	12.50%
<b>Grand Total</b>	<b>47.31%</b>	<b>32.33%</b>	<b>20.37%</b>

Transport Risk			
Role & Years of Service	Agree	Disagree	Neutral
<b>care provider</b>	<b>61.10%</b>	<b>19.60%</b>	<b>19.31%</b>
<5 years	59.32%	25.42%	15.25%
11-15 years	60.00%	10.00%	30.00%
16-20 years	59.46%	21.62%	18.92%
6-10 years	57.50%	17.50%	25.00%
More than 20 years	65.29%	21.49%	13.22%
<b>management</b>	<b>75.00%</b>	<b>11.76%</b>	<b>13.24%</b>
<5 years	60.00%	20.00%	20.00%
11-15 years	75.00%	8.33%	16.67%
16-20 years	66.67%	33.33%	0.00%
6-10 years	100.00%	0.00%	0.00%
More than 20 years	74.19%	6.45%	19.35%
<b>responder</b>	<b>33.54%</b>	<b>44.65%</b>	<b>21.82%</b>
<5 years	28.03%	52.23%	19.75%
11-15 years	29.33%	40.00%	30.67%
16-20 years	31.82%	47.73%	20.45%
6-10 years	35.04%	47.01%	17.95%
More than 20 years	44.12%	32.35%	23.53%
<b>Grand Total</b>	<b>47.14%</b>	<b>32.64%</b>	<b>20.22%</b>