



## **PERFORMANCE MEASUREMENTS FOR EMERGENCY CALL PROCESSING FOURTH QUARTER 2013**

The Lincoln Emergency Communications Center is dedicated to providing the best service possible to all customers. The performance measurement program shall provide timely, accurate and useful information regarding the quality and efficiency of service and is a component of outcome based budgeting adopted by the City of Lincoln. Information gathered is evaluated and reviewed in a continuous effort to improve customer service and operations. Performance measurement is also one of over 200 standards required by the Commission on Accreditation for Law Enforcement Agencies (CALEA). The Lincoln Emergency Communications Center has been accredited by CALEA since 2002.

The Lincoln/Lancaster County 9-1-1 Communications Center collects and reports statistics on a monthly, quarterly, and annual basis reflecting the various calls; their incoming source (landline, wireless, or VoIP), and duration (ring time before answer and length of call). PlantCML MagicXL software provides detailed reports on line usage, ring time, call duration, call abandonment and other data related to telephone reporting.

Call receiving performance is measured in three ways. The first is the overall Center EMD average compliance score with a goal of 90% compliance. The second is a monthly average of 40 seconds or less for the "Time Received" to "Time Dispatched" on all ECHO medical responses (the highest level of medical response). The third is call duration. All of these are indicators of the level of service being provided from call handling to dispatch.

All data is reported monthly and quarterly and is a component of our Annual Report. Review of this period's performance measures did not indicate any need for policy revision, training or remedial action.

### TOTAL CALL COUNTS AND SOURCE BY MONTH

MONTH	TOTAL INBOUND	WIRELESS 911	LANDLINE 911	VOIP 911	LANDLINE (6000)	LANDLINE (OTHER)	TOTAL LAND LINES	PRIVATE LINES/ OUTBOUND	RINGDOWNS
OCT	51618	5445	1629	357	9752	34435	44187	7282	1131
NOV	40613	5482	1434	341	8832	24524	33356	7211	1129
DEC	39230	5312	1348	392	8585	23593	32178	7128	1101
<b>TOTAL</b>	<b>131461</b>	<b>16239</b>	<b>4411</b>	<b>1090</b>	<b>27169</b>	<b>82552</b>	<b>109721</b>	<b>21621</b>	<b>3361</b>



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### **ABANDONED 911 INCOMING CALLS BY SOURCE**

Monthly average 911 call abandonment rate is gathered utilizing PlantCML MagicXL software and forwarded to the Communications Coordinator on a monthly basis. Call Abandonment is a good indicator of the level of service being provided. An increase in abandoned calls or “hang up” calls can indicate a need for additional staffing during peak calling periods.

<b>MONTH</b>	<b>SOURCE</b>	<b>COUNT</b>	<b>INCOMING CALLS ABANDONMENT PERCENTAGE</b>
OCT	LANDLINE	399	
	WIRELESS	573	
	VoIP	43	1.97
NOV	LANDLINE	340	
	WIRELESS	566	
	VoIP	35	2.32
DEC	LANDLINE	343	
	WIRELESS	605	
	VoIP	48	2.54
<b>TOTAL</b>			
<b>4<sup>th</sup> QUARTER AVERAGE</b>			<b>2.28</b>

### **911 RINGTIMES AND CALL DURATION**

Monthly average 911 ring time (with an expectation of 10 seconds or less) and average call duration (with an expectation of 70 seconds or less) on all calls (wireline, wireless and VoIP) is also gathered using PlantCML MagicXL software and forwarded to the Communications Coordinator on a monthly basis. Call Ring Time and Call Duration are indicators of how quickly emergency calls are being answered and how efficiently they are being processed.

<b>MONTH</b>	<b>SOURCE</b>	<b>AVERAGE RING TIME (IN SECONDS)</b>	<b>AVERAGE CALL DURATION (IN SECONDS)</b>	<b>AVERAGE CALL DURATION (IN SECONDS)</b>
OCT		5		
	LANDLINE		94	
	WIRELESS		37	
NOV	VOIP		64	64.77
	LANDLINE	5	96	
	WIRELESS		128	
DEC	VOIP		107	110.07
	LANDLINE	5	124	
	WIRELESS		87	
	VOIP		83	97.87
	<b>4<sup>th</sup> QUARTER AVERAGE</b>			<b>90.90</b>



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### **EMERGENCY MEDICAL DISPATCHER (EMD) DEPARTMENTAL AVERAGE COMPLIANCE RATING**

Monthly average EMD Compliance is based upon individual Emergency Medical Dispatch Quality (EMDQ) reviews performed by the Quality Assurance Coordinator. EMD is the process for screening all requests for Emergency Medical Services (EMS) resulting in prioritization of EMS calls resulting in the dispatch of the appropriate resources.

<b>MONTH</b>	<b>COMPLIANCE</b>
OCT	
NOV	
DEC	
<b>4th QUARTER AVERAGE</b>	

Data unavailable new system is under review

### **AVERAGE ECHO MEDICAL CALL DISPATCHING TIME**

The Center's goal is a 40 second or less Call Received to Call Dispatch time on all Echo Medical responses. All responses not meeting this measurement are forwarded by the Communications Coordinator to the Quality Assurance Coordinator for Dispatch Quality Review, reporting and possible action.

<b>MONTH</b>	<b>DISPATCH TIME IN SECONDS</b>
OCT	35.87
NOV	32.04
DEC	31.67
<b>4<sup>th</sup> QUARTER AVERAGE</b>	<b>33.19</b>