PERFORMANCE MEASUREMENTS FOR EMERGENCY CALL PROCESSING
THIRD QUARTER 2016

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). Airbus / Cassidian 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 80% compliance during probation and 90% thereafter. 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
JUL	49060	8356	1281	476	9170	29777	38947	9176	898
AUG	44353	7282	1403	486	9292	25890	35182	8794	865
SEP	45017	7288	1311	452	9022	26944	35966	8154	852
TOTAL	138430	22926	3995	1414	27484	82611	110095	26124	2615

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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.

MONTH	SOURCE	COUNT	INCOMING CALLS ABANDONMENT PERCENTAGE
JUL	LANDLINE	351	
	WIRELESS	1150	
	VoIP	73	3.21
AUG	LANDLINE	426	
	WIRELESS	924	
	VoIP	80	3.22
SEP	LANDLINE	420	
	WIRELESS	950	
	VoIP	84	3.23
TOTAL		4458	
3rd QUARTER AVERAGE			3.22

911 RINGTIMES AND CALL DURATION

Monthly average 911 ring time (with an expectation of 10 seconds or less) and average call duration (with a goal of 70 seconds or less) on all calls (wireline, wireless and VoIP) is also gathered using Cassidian/Airbus 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.

MONTH	SOURCE	AVERAGE RING TIME (IN SECONDS)	AVERAGE CALL DURATION (IN SECONDS)	AVERAGE CALL DURATION (IN SECONDS)
JUL		5		
	LANDLINE		91.8	
	WIRELESS		64.5	
	VoIP		73.65	76.65
AUG		5		
	LANDLINE		97.2	
	WIRELESS		46.0	
	VoIP		84.5	75.90
SEP		5		
	LANDLINE		77.00	
	WIRELESS		63.80	
	VoIP		51.00	63.93
3rd QUARTER AVERAGE				72.16

EMERGENCY MEDICAL DISPATCHER (EMD)

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DEPARTMENTAL AVERAGE EMD 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.

MONTH	COMPLIANCE
JUL	82.59
AUG	
SEP	
3RD QUARTER AVERAGE	

August and September Data Unavailable

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.

MONTH	DISPATCH TIME IN SECONDS
JUL	26.00
AUG	31.36
SEP	26.32
3RD QUARTER AVERAGE	27.89