



PERFORMANCE MEASUREMENTS FOR EMERGENCY CALL PROCESSING FOURTH QUARTER 2010

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	ALARM CIRCUITS/ RINGDOWNS
OCT	32142	5965	2192	397	20999	2589	23588	5086	1112
NOV	25251	3411	1296	209	17083	3252	20335	3687	770
* DEC	21124	3729	1473	242	12723	2957	15680	3110	705
TOTAL	78517	13105	4961	848	50805	8798	59603	11883	2587

* Includes counts obtained manually from Windstream router data while at the Backup Center Sept 27th thru Sept 29th: 248 Wireless, 198 Wire line, 29 VoIP



PERFORMANCE MEASUREMENTS FOR EMERGENCY CALL PROCESSING FOURTH QUARTER 2010

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
OCT	LANDLINE	574	
	WIRELESS	714	
	VoIP	42	4.14
NOV	LANDLINE	496	
	WIRELESS	614	
	VoIP	41	4.56
DEC	LANDLINE	415	
	WIRELESS	581	
	VoIP	34	4.72
TOTAL			
4th QUARTER AVERAGE		390.11	4.47

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.

MONTH	SOURCE	AVERAGE RING TIME (IN SECONDS)	AVERAGE CALL DURATION (IN SECONDS)	AVERAGE CALL DURATION (IN SECONDS)
OCT		6		
	LANDLINE		59	
	WIRELESS		85	
NOV	VOIP		81	75
	LANDLINE	5	72	
	WIRELESS		83	
DEC	VOIP		82	79
	LANDLINE	5	76	
	WIRELESS		87	
4th QUARTER AVERAGE	VOIP		91	85
		5.3	79.55	79.66



PERFORMANCE MEASUREMENTS FOR EMERGENCY CALL PROCESSING FOURTH QUARTER 2010

NOT ALL MEDICAL DATA IS AVAILABLE AT THIS TIME.
CHARTS WILL BE UPDATED WHEN DATA BECOMES AVAILABLE.

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.

MONTH	COMPLIANCE
OCT	90.60
NOV	88.76
DEC	87.24
4th QUARTER AVERAGE	88.87

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
OCT	23.65
NOV	35.58
DEC	23.60
4th QUARTER AVERAGE	27.61