Technical Specification to Calculate Ambulance Patient Offload Time (APOT)

The technical specification to calculate APOT provides standardized guidance on data elements, inclusion/exclusion criteria, and calculation methodologies to ensure statewide uniformity in reporting and analysis.

MEASURE SET	Ambulance Patient Offload Time (APOT)
SET MEASURE ID #	APOT-1
PERFORMANCE MEASURE NAME	Ambulance Patient Offload Time for Emergency Patients
Description	Does the GACH meet the APOT standard 90% of the time?
Type of Measure	Process
Reporting Value and Units	Time (Minutes and Seconds)
Continuous Variable Statement (Population)	Time (in minutes and seconds) from time ambulance arrives at the emergency department ambulance bay until the patient is transferred to GACH emergency department care. All emergency ambulance transports to the GACH emergency department with available eTimes are included.

Inclusion Criteria	Criteria in NEMSIS 3.5	Data Elements--NEMSIS 3.5
	- All events for which eResponse.05 "type of service requested" has values recorded of **2205001** "Emergency Response (Primary Response Area)", **2205003** "Emergency Response (Intercept)", **2205009** "Emergency Response (Mutual Aid)", **2205005** "Hospital-to-Hospital Transfer" AND - All events in eDisposition.30 "Transport Disposition" with the value of **4230001** "Transport by This EMS Unit (This Crew Only)" or **4230003** "Transport by This EMS Unit, With a Member of Another Crew" AND - All events in eDisposition.21 "Type of	- Type of Service Requested (eResponse.05) - Transport Disposition (eDisposition.30) - Type of Destination (eDisposition.21) - Patient Arrived at Destination Date/Time (eTimes.11) - Destination Patient Transfer of Care Date/Time (eTimes.12) - Type of Person Signing (eOther.12) - Signature Reason (eOther.13) - Type of Patient

	Destination" with the value of **4221003**, "Hospital-Emergency Department";
	 AND
	 • eTimes.11 "Patient Arrived at Destination Date/Time" values are logical and present
	 AND
	 • eTimes.12 "Destination Patient Transfer of Care Date/Time" values are logical and present
	 AND
	 • All events in eOther.12 "Type of Person Signing" with the value of **4512005** "Healthcare Provider"
	 AND
	 • All events in eOther.13 "Signature Reason" with the value of **4513007** "Transfer of Patient Care"
	 AND
	 • All events in eOther.14 "Type of Patient Representative"
	    ○ with the value of 4514025 "MD/DO" or
	    ○ 4514029 "Nurse (RN)" or
	    ○ 4514031 "Nurse Practitioner (NP), or
	    ○ 4514033 "Other Care Provider" or
	    ○ 4514037 "Physician's Assistant (PA)AND
	 • All events in eOther.15 "Signature Status" with the value of or
	    ○ **4515031** "Signed" or
	    ○ **4515033** "Signed-Not Patient"
	 AND
	 • All events in eOther.19 "Date/Time of Signature" values are logical and present
		Representative (eOther.14)
		 • Signature Status (eOther.15)
		 • Date/Time of Signature (eOther.19)

Exclusion Criteria	Criteria	Data Elements
	- eDisposition.02 is "Blank, Not Available, Not Recorded, Not Applicable, or Null" - All records where the difference between eOther.19 "Date/Time of Signature" and eTimes.11 "Patient Arrived at Destination Date/Time" is negative - All records where eTimes.13 "Unit Back in Service Date/Time" is recorded as taking place prior to eOther.19 "Date/Time of Signature"	- Destination/Transferred To, Code (eDisposition.02) - Patient Arrived at Destination Date/Time (eTimes.11) - Date/Time of Signature (eOther.19) - Unit Back in Service Date/Time (eTimes.13)
Indicator Formula Numeric Expression	The formula is the 90th Percentile of the given numbers or distribution in their ascending order.	
Example of Final Reporting Value (number and units)	19 minutes, 34 seconds (19:34)	
Sampling	No	
Aggregation	Yes	
Minimum Data Values	Not Applicable	
Data Collection Approach	- Retrospective data sources for required data elements include administrative data and pre-hospital care records. - Variation may exist in the assignment of coding; therefore, coding practices may require evaluation to ensure consistency.	
Suggested Statistical Measures	90th percentile measurement. - Aggregate measure of central tendency and quantile (fractile) measurement to determine the span of frequency distributions.	
Reporting Notes	Report monthly aggregate values by LEMSA (aggregate of total of offloads and 90th Percentile offload time) Report the 90th percentile time calculated and the denominator (number of emergency transports with data available).	