

Foothills and Mile High RETAC Regional Medical Liaisons



PROJECT:	EMERGENT/NON-EMERGENT PATIENT TRANSPOT
TYPE:	DATA ANALYSIS
EFFECTIVE:	7/6/2016
REVISED:	
REVIEWED:	QUARTERLY

Objective

To evaluate the percentage of emergent and non-emergent patient transports at the regional level.

What do we want to accomplish?

To acquire an understanding of how often and why patients are transported emergent to a receiving facility.

Benefit

1. Frequency of crashes while driving emergent - According to the NHTSA in a review of ground ambulances crashes from 1992 to 2011, "Of the annual mean 29 fatal crashes involving an ambulance: 58% (were) while in emergency use, 42% (were) while in non-emergency use. Of the estimated annual mean 1,500 injury crashes: 59% (were) while in emergency use, 34% (were) while in non-emergency use." As noted in the presentation, "These percentages do not account for the proportion of time ambulances spent in emergency vs. non-emergency mode"
2. Public safety – According to NHTSA, occupants of other vehicles (those not physically inside the ambulance) accounted for 63% of the fatalities and 54% of the injured persons. Non-occupant of any vehicle accounted for 12% of the fatalities.
3. Regional benchmark – To establish a regional benchmark for an individual agency to use as a comparison when reviewing emergent and non-emergent transports to receiving facilities.

Evidence based sources

The National Highway Traffic Safety Administration and Ground Ambulance Crashes; <http://www.ems.gov/ambulancesafety.html>, April 2014

Foothills and Mile High RETAC Region
Non-Emergent/Emergent Patient Transport 2015

Colorado
Search Criteria in Imagetrend EMS Service Bridge Report Writer 2.0
Incident Date (IT5.44) - "2015"
Type of Service Requested (E2.4) - "911 Response (Scene)"
Incident Patient Disposition - "Treated, Transported by EMS"

Transport Mode From Scene (E20.14)	Count	Percent
No Lights or Sirens	163,832	89.0%
Lights and Sirens	12,949	7.0%
Not Applicable	3,467	1.9%
Not Available	1,333	0.7%
Not Recorded	1,145	0.6%
Initial No Lights or Sirens, Upgraded to Lights and Sirens	719	0.4%
Initial Lights and Sirens, Downgraded to No Lights or Sirens	374	0.2%
Blanks	257	0.1%
Lights Only - No Sirens	29	0.0%
Total	184,105	

National
Search Criteria from: http://nemsis.org/reportingTools/reports/nationalReports/createAReport.htm
Year - Quarter - Month - Day = "Calendar 2015"
Incident Patient Disposition = "Treated, Transported by EMS"
Type of Service Requested = "911 Response (Scene)"

Transport Mode From Scene	Count	Percent
No Lights or Sirens	11,514,955	73.3%
Lights and Sirens	3,393,608	21.6%
Not Applicable	301,391	1.9%
Not Reporting	146,025	0.9%
Not Recorded	143,491	0.9%
Initial Lights and Sirens, Downgraded to No Lights or Sirens	91,763	0.6%
Initial No Lights or Sirens, Upgraded to Lights and Sirens	85,204	0.5%
Not Known	18,226	0.1%
Not Available	14,991	0.1%
Total	15,709,654	

Comparison of Colorado to National - No Lights or Sirens vs. Lights and Sirens		
Colorado		
No Lights or Sirens	91,074	91.8%
Lights and Sirens	8,115	8.2%
Total	99,189	

National		
No Lights or Sirens	11,514,955	73.3%
Lights and Sirens	3,393,608	21.6%
Total	14,908,563	