



**Data View into
Community Paramedic**
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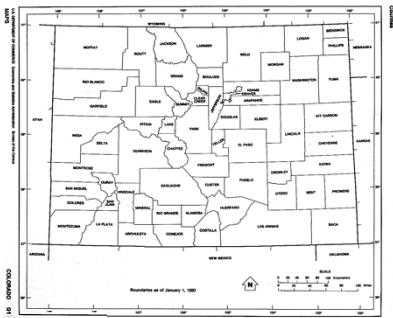


**Western Eagle County HSD &
Eagle County Health Service District**


- Formed in 1982 and 1988 – Special Tax Authority
- Elected Board of Directors

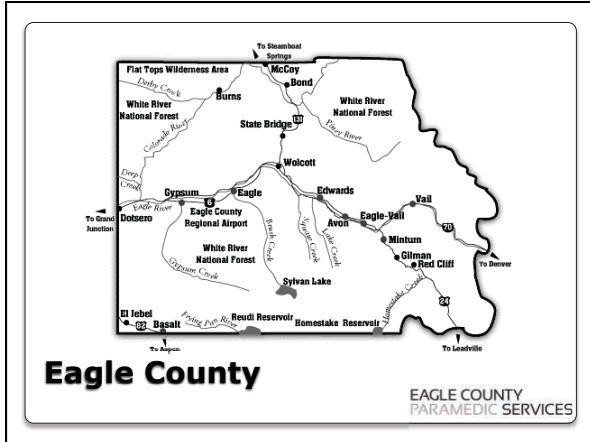


EAGLE COUNTY
PARAMEDIC SERVICES




Colorado





- Population of 55,000
- 4500 Calls per year
- Transport to 2 Hospitals
- Critical Care Transport
- Prevention and Community Paramedic Service



Eagle County Health Service District

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1: Ensure all patients in a medical home

Measurable Results/Outcomes
EAGLE COUNTY
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1: Ensure all patients in a medical home

100%

Measurable Results/Outcomes
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2: Number of vaccinations given and Public Health visits

Measurable Results/Outcomes
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2: Number of vaccinations given and Public Health visits

350

In the first year

Measurable Results/Outcomes
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3: Injury prevention versus potential costs associated with no prevention

Measurable Results/Outcomes
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3: Injury prevention versus potential costs associated with no prevention

Hawaii
Research
Measurable Results/Outcomes
EAGLE COUNTY
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4: Reduce rehospitalizations by 50%

Measurable Results/Outcomes
EAGLE COUNTY
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4: Reduce rehospitalizations by 50%

Project RED
Start – 4.26%
1 year later – 1.01%
Measurable Results/Outcomes
EAGLE COUNTY
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5: Calculate cost savings of Community Paramedic Program versus cost of on-going care/hospital care

Measurable Results/Outcomes
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- MPH and RN to develop data
- Healthcare Economist – Eddie Bailly

Outside Evaluation
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- Prevention of a Physician Office Visit
 - The community paramedic visited the patient's home in lieu of the patient going to the physician's office. The patient's condition was managed in the home and a referral for additional physician care did not need to occur.

Defining Savings
EAGLE COUNTY
PARAMEDIC SERVICES

- Prevention of an Ambulance Transport
 - monitoring a patient found their condition to be deteriorating because they weren't taking their medications correctly
 - monitoring a patient found condition deteriorating and not able to be stabilized in the home.
 - condition was likely to necessitate an ambulance transport within another 24-48 hours
 - frequent ambulance user prior to being referred to the community paramedic program. In a retrospective case study, the number of times the patient called 911 and was transported six months prior to beginning the program was compared to the number of transports after community paramedics began to intervene

Defining Savings
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- **Prevention of a Hospital Admission/Readmission**
 - referred a deteriorating elderly patient that had been recently discharged to hospice care instead of being re-admitted to the hospital
 - Referral to a different care setting other than Hospital
 - Retrospective analysis of patients that had multiple admits/readmits prior to CP intervention

Defining Savings

EAGLE COUNTY
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- **Prevention of Stay at Nursing Facility**
 - CP intervention allowed patient to remain out of a nursing facility for any period of time.
 - Days converted for entire length of intervention for CP

Defining Savings

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- September 2010 – June 2012
- 36 patients
- 97 visits

Initial Findings

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Prevented

- 47 Physician visits
- 15 Ambulance transports
- 13 ER visits
- 3 Admissions/readmissions
- 244 Skilled Nursing days

Initial Findings

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- **\$1,279** average savings per visit
- **\$3,446** average savings per patient



Initial Cost Savings

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**\$124,071
SAVED!**



Initial Cost Savings

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- July 2012 – December 2013
- 55 patients
- 216 visits

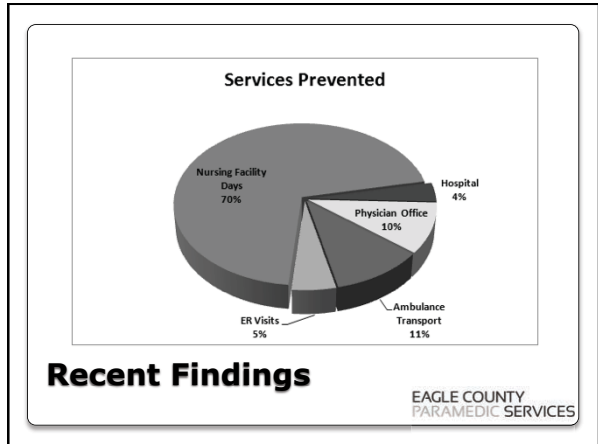
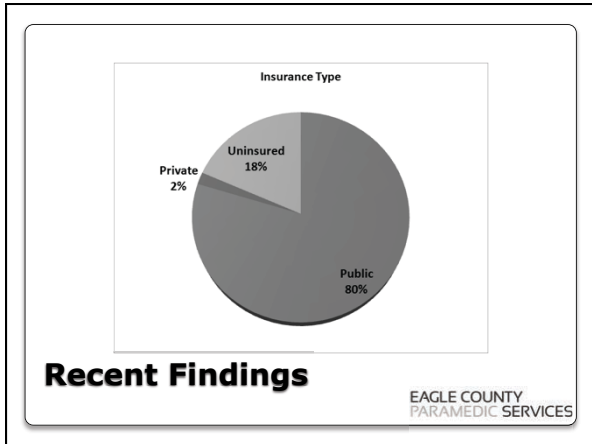
Recent Findings

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PARAMEDIC SERVICES

- Demographics
 - 36% patients under age of 10
 - 47% patients over age 65
- Primary Language
 - 60% English 40% Spanish
- Provider Referrals
 - 56% Physician, 25% Physician Assistant, 19% Nurse Practitioner


Recent Findings

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- Prevented**
- 120 Physician visits
 - 28 Ambulance transports
 - 26 ER visits
 - 3 Admissions/readmissions
 - 562 Nursing Facility days
- Recent Findings**
- EAGLE COUNTY
PARAMEDIC SERVICES


- \$1,279 average savings per visit 2012
- \$3,446 average savings per patient 2012



Initial Cost Savings

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- \$1,334 average savings per visit 2013
- \$5,238 average savings per patient 2013



Recent Cost Savings

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- **2012** \$124,071
- **2013** \$288,092

Total Savings for 3 years
\$412,163



Cost Savings

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- The need for a REAL chart

Chris' Utopian World

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- Health care charting
- Should be designed by Italians



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- It should be FAST

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- It should be FAST
- Hennessey Venom GT
- 0-300 kilometres per hour (0-186 mph) with an average acceleration time of 13.63 seconds
- Top Speed 270.49 MPH (435.31 KPH)

Chris' Utopian World

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- It should be FAST
- Hennessey Venom GT



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- It should be the SAME



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- It should be PORTABLE

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- It should be PORTABLE



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- It should be FREE

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- It should be FREE
- Google Build a business model on FREE



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- It should be ACCESSIBLE

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- It should ACQUIRE DATA WE CARE ABOUT

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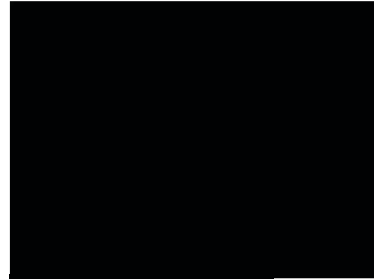
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- It should be able to EXPORT ALL data fields EASILY to CSV or XLS

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- Finally this would make us all feel like this



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Questions?

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