 Foothills Regional Emergency Medical & Trauma Advisory Council

(fretac) Serving Boulder, Clear Creek, Gilpin, Grand, & Jefferson Counties

**Foothills RETAC**

### **Prehospital**

**Trauma Destination Policy Narrative**

**Overview:** The Colorado Department of Public Health and Environment (CDPHE), in conjunction with the State Emergency Medical & Trauma Advisory Council (SEMTAC), require each Regional Emergency Medical & Trauma Advisory Council (RETAC) to formulate patient movement policies. This Pre-Hospital Trauma Triage Algorithm and Policy were developed by the Foothills RETAC to aid and promote appropriate destinations for trauma patients within our five-county region.

**Explanation of Algorithm:** The left side of the attached algorithm was developed by SEMTAC and approved by the Board of Health to quickly identify the trauma patient, and what priority is given to trauma patients, utilizing physiological findings, mechanisms of injury, and co-morbid factors. The left side of the algorithm was used for each RETAC to develop their own individual algorithm, staying within this framework. The right side of this algorithm was developed by the Foothills RETAC. The “right” side is kept deliberately general in order to accommodate the diverse areas/counties within our region.

**Explanation of Terms used by the RETAC:** The Foothills RETAC chose to insert the words “*most rapidly accessible”* instead of others such as closest or nearest. Many factors are taken into consideration when transporting a trauma patient. These include, but are not limited to, weather, geography, number of patients, number of prehospital personnel, training level of prehospital personnel, and other factors that influence decision making.

**Oversight:** It is expected that each transporting agency within the Foothills RETAC will use this algorithm to transport trauma patients in an effective time-sensitive manner, and that patients will be taken to the “*most appropriate”* trauma center given the above mentioned factors. The Foothills RETAC, in conjunction with Agency and Facility Medical Directors will monitor patient destinations through a Continuous Quality Improvement (CQI) program when developed. In the case of a facility that is actively pursuing trauma center designation it is up to the discretion of the Medical Director for the transport agency to decide what is the most appropriate rapidly accessible facility for the trauma patient.

**Possible Exemptions to Destination Policies:** When facilities undergo changes to their trauma designation level, those will be considered on a case to case basis as the situations arise.

**Boulder County Trauma:** Boulder County is fortunate to have 5 Trauma Centers. There are two Level II Trauma Centers: Boulder Community Hospital and Good Samaritan Medical Center. They also have three Level III Trauma Centers: Longmont United Hospital, Longs Peak Hospital, and Avista Hospital. For High-Level trauma patients, prehospital personnel should transport to the most appropriate Trauma Center they can reach in the least amount of time accounting for traffic, weather, training level of provider, or other conditions.

**Clear Creek County Trauma:** Clear Creek County does not have any medical facilities within their county. Most trauma patients are transported via Interstate 70 to the Denver Metropolitan region. Occasionally, depending on circumstances, a patient may be transported east along US Highway 6 coming into the Golden area or Interstate 70 west into Summit County to Summit Medical Center depending on the location of the trauma incident.

**Gilpin County Trauma:** Gilpin County does not have any emergency medical facilities within their county. Most trauma patients are transported via Interstate 70 to the Denver Metropolitan region. Occasionally, depending on circumstances, a patient may be transported east along US Highway 6 coming into the Golden area or Interstate 70 west into Summit County depending on the location of the trauma incident. They may also be transported into Boulder County via Highway 119 depending upon the location of the trauma incident.

**Grand County Trauma:** Grand County has Middle Park Medical Center-Kremmling, a Level IV Trauma Center, and Middle Park Medical Center-Granby a Level IV Trauma Center, and Denver Health East Grand Community Clinic and Emergency Center, a Level V Trauma Center. Each of these medical facilities is located in very separate areas of the county and travel time between facilities is approximately 30 minutes via ground ambulance. Middle Park Medical Center-Kremmling is located in Kremmling, in the western side of the county, Middle Park Medical Center Granby is located in Granby in the middle of the county and Denver Health East Grand Community Clinic and Emergency Center is located in Winter Park in the eastern part of the county. Denver Health East Grand Community Clinic and Emergency Center, when open, has all of the capabilities of any Level IV trauma facility. When Denver Health East Grand Community Clinic and Emergency Center is open, Grand County Ambulance transports to the nearest one of their trauma centers for traumas within the county. At the western most, southern, and eastern most regions, where Grand borders other counties on Rabbit Ears and Berthoud Pass, and Highway 9, a decision must be made weighing all factors, if the patient should be taken out of county to a higher level of care. Discretion within this algorithm is given to the ambulance agency, with the knowledge that CQI, when developed, will monitor trauma transports.

**Jefferson County Trauma:** Jefferson County currently has two Trauma Centers. These are: Saint Anthony Hospital, a level I Trauma Center located in Lakewood, and Lutheran Medical Center, a Level III Trauma Center located in Wheatridge. The choice of which trauma center to transport to by the individual transporting agency is made using the Trauma Triage Algorithm, taking into consideration numerous variables such as weather, level of prehospital personnel, road obstructions, and scene times. Jefferson County is a very large diverse county, and transport decisions will reflect the individual incident, while following this algorithm. Areas on the borders of Jefferson may find it appropriate to transport outside of the Foothills RETAC.

**Air Transport:** The FRETAC protocols for Air Transport take into consideration the advanced level of care given to patients by flight crews. The Foothills RETAC currently has one Level I Trauma Center located in Jefferson County. We leave it to the discretion of the requesting prehospital ground transport agency and the flight crews, and their medical directors as to which Trauma Center they are flown to. We also recognize that flight crews may have many other factors to consider in triage decisions. These include such things as: wind, weather, number of patients, agency request, and especially patient presentation. Therefore, the air transport algorithms are far more lenient in providing guidelines, not mandates, in choosing the most appropriate patient destination. When developed at CDPHE, our FRETAC CQI program will monitor destinations for their appropriateness.

**Pediatric Care:** There are currently no Pediatric Level I or II Trauma Center~~s~~ within the Foothills RETAC. Transportation destination for Pediatric patients will be dependent upon numerous factors with location of traumatic incident and patient condition being the most important. Pediatric destinations must be left to the EMS agency and their Medical Director using solid QI Programs for patient destination.

**EMS Medical Direction:** It is the expectation of the Foothills RETAC that the EMS Medical Directors will be actively involved in trauma destination decisions and oversight of the EMS agencies for which they are responsible. Active EMS Agency QI Programs with Trauma Destination review are also expected.