



**ANTIBIOTICS FOR OPEN FRACTURE
STATEWIDE ALS PROTOCOL [OPTIONAL]**

Criteria:

- A. Patients with apparent open fractures – bony deformity or crepitus, with laceration over the fracture site.

Exclusion Criteria:

- A. History of allergic reaction to antibiotics in cephalosporin class
B. History of anaphylaxis to antibiotics in penicillin class

System Requirements:

- A. Cefazolin may only be carried by an ALS service and administered by ALS providers above the level of AEMTs
B. Every participating ALS provider must complete the Antibiotics for Open Fractures continuing education course #1000033337, either through an in-person presentation overseen by the EMS agency medical director or through the online LMS course.
C. EMS agency medical director must credential ALS providers to administer cefazolin.
D. A Patient Data Form must be completed by the ALS provider after each use of antibiotics for open fracture. Agencies must ensure that their medical director completes his/her section of the form and that the forms are submitted monthly to the regional EMS council for the regional/state QI process.

Performance Parameters:

1. Ensure that a completed Patient Data Form is collected for each patient treated with cefazolin, including patient demographics, time/date of injury, time/date of initiating antibiotic, documentation of history of allergies to antibiotics, and other information.
2. Ensure that EMS agency medical director has reviewed each Patient Data Form and completed documentation of the medical director QI review on the Patient Data Form.