

Using Computer Simulations to Improve Triage in a Mass-Casualty Event

February 24th, 2019

Mass-Casualty Event



Oh no! The red line has derailed!

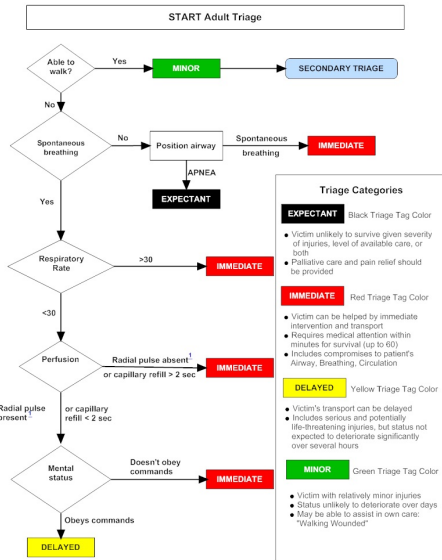


At the site of the crash



- **First-responders:** Triage patients based on injury severity
- **RED:** Patients in worst shape
- **YELLOW:** Patients whose care can be delayed
- **GREEN:** Patients with minor injuries

Simple Triage and Rapid Treatment (START)



Meanwhile, you must prepare the UChicago Trauma Unit



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- Expect around 30 patients but we only have 10 beds!

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- **Problem:** Not enough resources for all injured
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- Any patients who cannot be seen here will need to be transported to the next closest unit which will take an additional 50 minutes!
- Who should be admit and who should we turn away?