Applying Artificial Intelligence (AI) to Improve Trauma Care Quality with Natural Language Processing

AI identified quality gaps in treatment needs and medical interventions

- 22,529 motor vehicle crash victims (Minnesota)
- Transported by EMS
- ACS-verified Level I trauma centers

936 patients required necessary airway intervention
AI determined 242 treated before hospital arrival
170 patients required intravenous access into the bone (IO access)
AI determined 110 treated with IO access during advance cardiac life support

Research from University of Minnesota