TELEHEALTH
Delivery of healthcare services using information and communication technologies for diagnosis, treatment, prevention of disease and injuries

- Cost-effective decrease in 911 calls, EMS transports, and ED visits
- Positive clinical outcomes, especially in rural settings
- Clinical effectiveness across broad range of medical conditions
- Timely interventions for behavioral health and stroke patients
- Predicts overcrowding, boarding, stress on the ED
- Alerts potential for increased workload
- Data accessible to capacity management teams and administrators

NEDOCS: National Emergency Department Overcrowding Study
SONET: Severely overcrowded, Overcrowded, Not overcrowded Estimation Tool

REMOTE BLOOD BANK TECHNOLOGY
Secure, electronic system that allows real-time access to blood products for transfusion

- Blood products located closer to patient areas
- Initiate transfusion of unassigned blood products more rapidly
- Built-in security features enable:
  - patient identification
  - blood product selection
  - minimized transfusion reactions

BARCODE TECHNOLOGY
Specimen labeling: ID band and specimen label verified at point of care

BCMA: Patient ID band and medication barcodes verified at time of administration

EARLY WARNING SYSTEM FOR ED OVERCROWDING
Merging of real-time electronic health records data into validated scoring tools to forecast overcrowding status (e.g., NEDOCS, SONET)

REFERENCES:

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