Mobile Stroke Unit Case Study: Bringing the Hospital to the Patient



Ilana Spokoyny, MD

Clinical and Research Director, Mobile Stroke Unit Mills Peninsula Medical Center

Greg Gilbert, MD

EMS Medical Director San Mateo County

Mobile Stroke Unit

- Novel and innovative
- Leverages pre-hospital systems of care
- Parallel processes

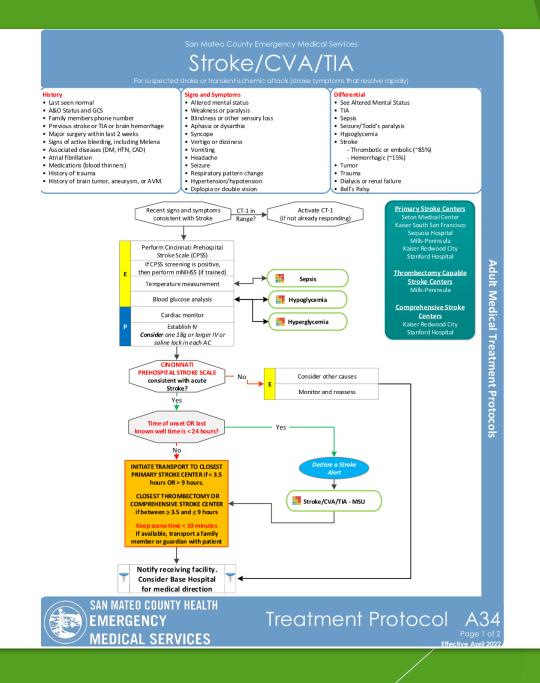


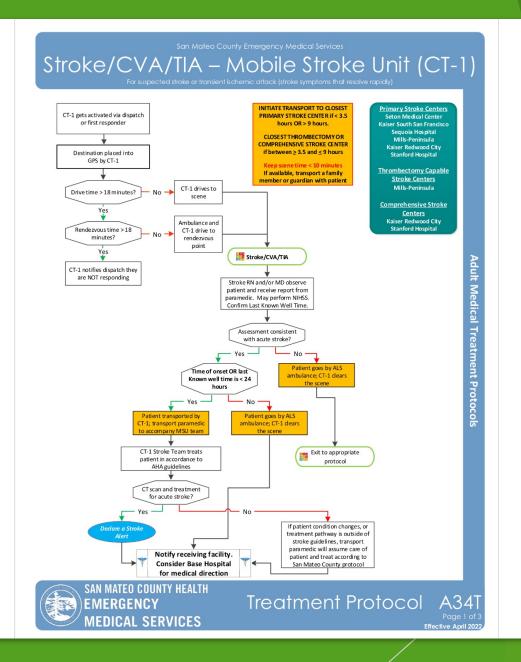
What Happens After I Call 911

- Call is received by dispatch
- Complaint is put through EMD (Emergency Medical Dispatch)
- Correct resources are deployed
- Assessment done on scene
- Protocols guide where the patient is transported

MSU Deployment

- MSU integrated within San Mateo County EMS
 - If EMD card "stroke" or "headache" or otherwise concern for stroke symptoms, MSU auto-activated
 - Deployed in tandem with regular 911 ambulance
 - Can be activated from the field if missed by central dispatch
- MSU catchment area
 - Based upon response time (GPS) and destination hospital
 - Default destination hospital for patients is as per San Mateo County EMS protocol



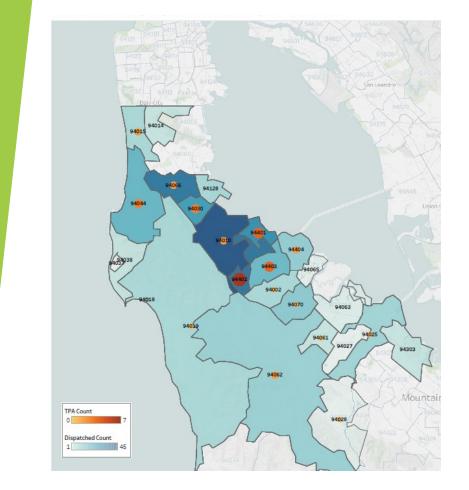


Rendezvous System

- Expands MSU coverage to the coastal communities
- Designated meeting points with space for 2 rigs and level ground
- Does not change destination hospital
- MSU meets transport ambulance en-route to receiving facility to expedite evaluation
- MSU is a "Primary stroke center on wheels"
- Rendezvous primarily in the North County, as we are able to access most locations quickly in the South

Rendezvous Points





San Mateo County Responses

THANK YOU

