Updates on StrokeNet Trials

NIH StrokeNet

PREVENTION | TREATMENT | RECOVERY

Funded by a Grant from the National Institutes of Health

CLINICAL TRIALS

PREVENTION



ACUTE INTERVENTION



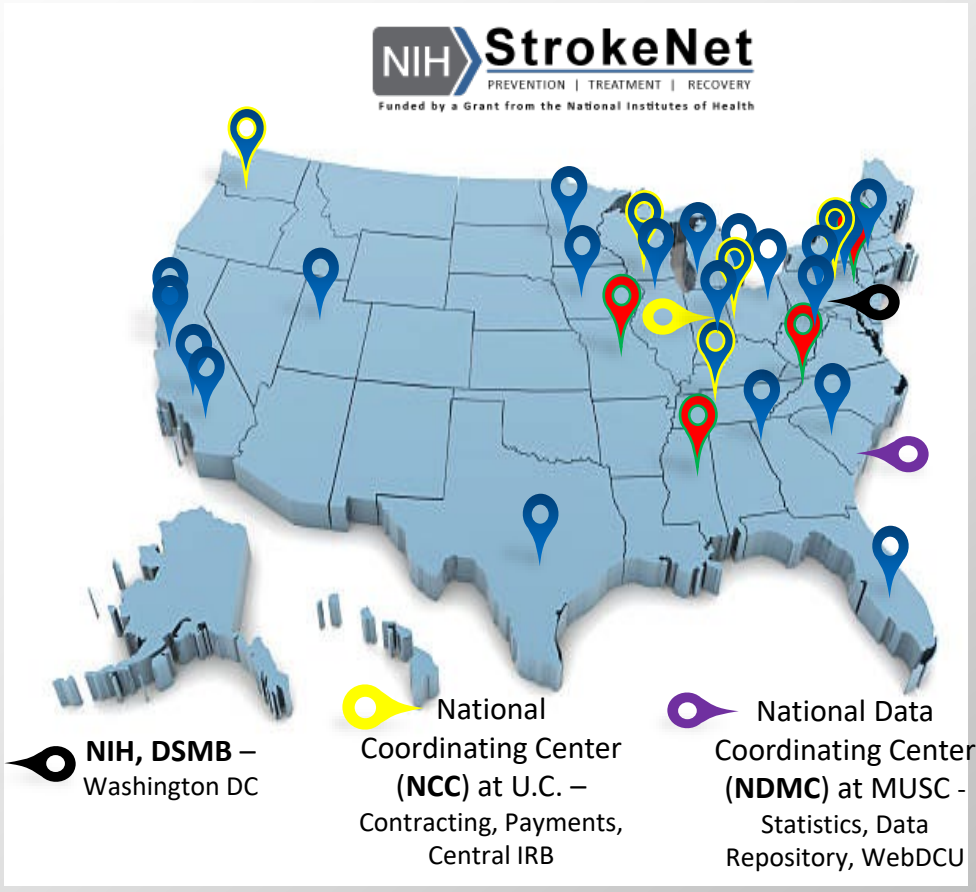
RECOVERY



NIH StrokeNet Infrastructure

Several Working Groups evaluate new trial ideas (e.g., Recovery Working Group)

NIH Executive Science Committee makes decision whether or not a grant can be submitted



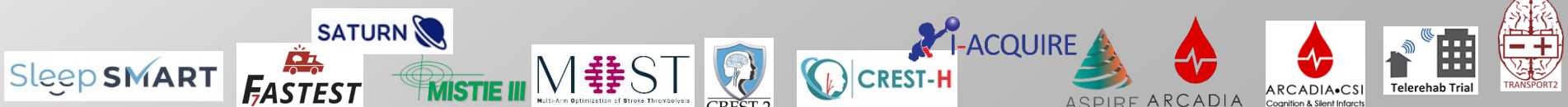
Overview

- 2013 - present
- 30 regional centers with >500 satellite stroke hospitals, a coordinating center, and a data coordinating center
- Phase 2 and phase 3 clinical trials (ancillary studies) and biomarker studies to advance acute stroke **treatment**, **prevention**, and **recovery**

http://nihstrokenet.org/

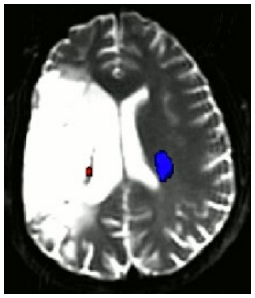
NIH StrokeNet Trials

- **CREST-2** Tx of asymptomatic carotid stenosis (N=2383/2480; 96%)
- **CREST-H** ancillary; Hemodynamics/perfusion in CREST-2 (N=360/350)
- **ARCADIA** Apixaban vs. aspirin in ESUS (N=1015/1100; closed)
- **ARCADIA CSI** Cognition + silent infarcts in ARCADIA (N=310/500; closed)
- **MOST** Argatroban/Eptifibatide/Placebo acute stroke (N=514/1200; 43%)
- **Sleep-SMART** aPAP vs usual care in OSA (N=1324/3062; 43%)
- **TRANSPORT-2** CIMT + non-invasive brain stimulation (N=114/129; 88%)
- **I-ACQUIRE** Rehabilitation for pediatric stroke (N=183/240; 32%)
- **SATURN** Statin use in ICH survivors (N=459/1456; 32%)
- **SATURN-MRI** (N=158/894; 18%)
- **ASPIRE** Apixaban vs ASA for AFib in ICH survivors (N=252/700; 36%)
- **FASTEST** rFVIIa vs placebo for acute hemorrhage/ICH (N=299/860; 35%)
- **CAPTIVA:** Antiplatelet therapies for intracranial stenosis (N=227/1086;21%)
- **VERIFY**: Outcome Prediction (acute to 3mo):Exam, MRI, TMS (N=131/657;20%)
- **RHAPSODY-2:** dose+efficacy of rAPC vs placebo in pts with TNK/Thrombectomy
- **SISTER-2:** dose finding of alpha-2 antiplasmin antibody as a thrombolytic

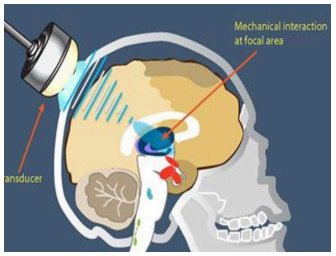


The Future of Restoring Brain Health and Function

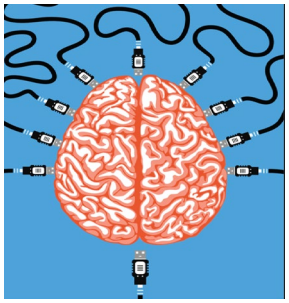
- Identifying Drivers and Predictors of Stroke Outcome



- Identify Target Regions and Engage Target Region



- Couple Targeted Stimulation with Behavioral Intervention



- Intervention needs to be intense, long-term, motivational, and mobile



- Monitor/Measure Effects of Therapy