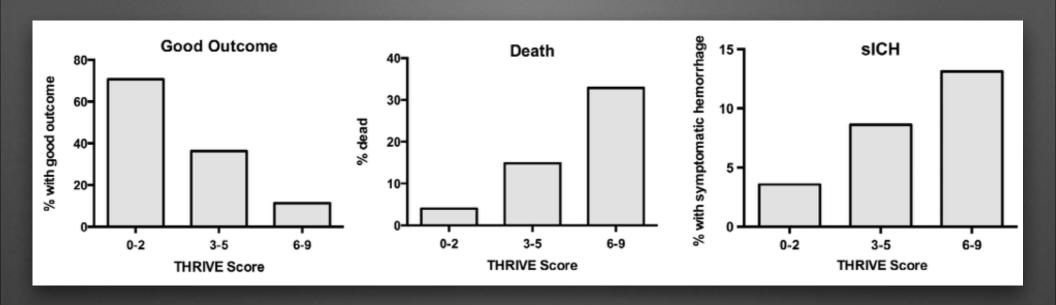
Outcomes and patient selection in ischemic stroke

What is your patient's NIH Stroke Scale (NIHSS) score?
What is your patient's age?
Does your patient have a history of hypertension? NO
Does your patient have a history of diabetes mellitus? NO
Does your patient have a history of atrial fibrillation? NO
Calculate THRIVE Score

	Points
NIHSS	
≤10	0
11-20	2
≥21	4
Age	
≤59	0
60-79	1
≥80	2
CDS (1 point each for	HTN, DM, AFib)
0	0
1	1
2	2
3	3
	THRIVE score = (0-9)



THRIVE works equally well in:

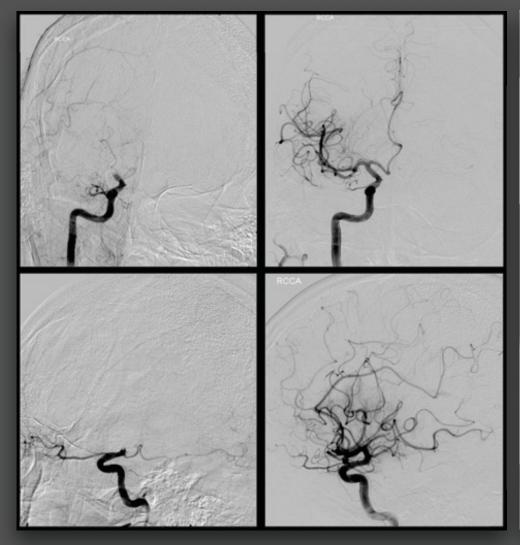
- tPA treatment
- Endovascular Stroke Treatment (EST)
- No acute stroke treatment

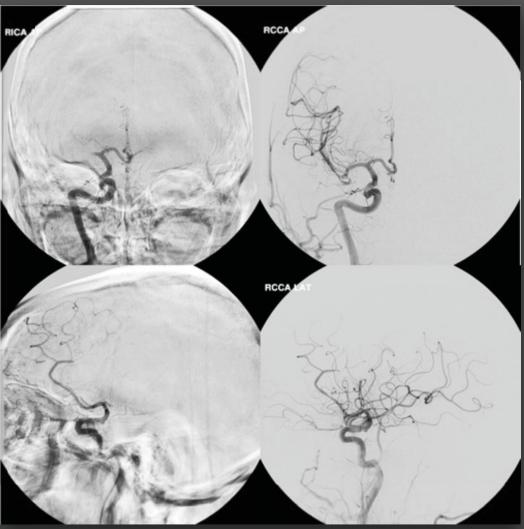
THRIVE score validation

- MERCI + Multi-MERCI trials (n = 305)
- MERCI Registry (n = 1,000)
- NINDS tPA trial (n = 624)
- VISTA (n = 5,725)
- TREVO-2 (n = 178)
- SWIFT + STAR (n = 349)
- SITS-MOST (n = 6,483)

49 y/o M c hyperchol. NIHSS=18

79 y/o F c HTN, DM, hyperchol, CAD, PPM, ESRD on HD. NIHSS=22

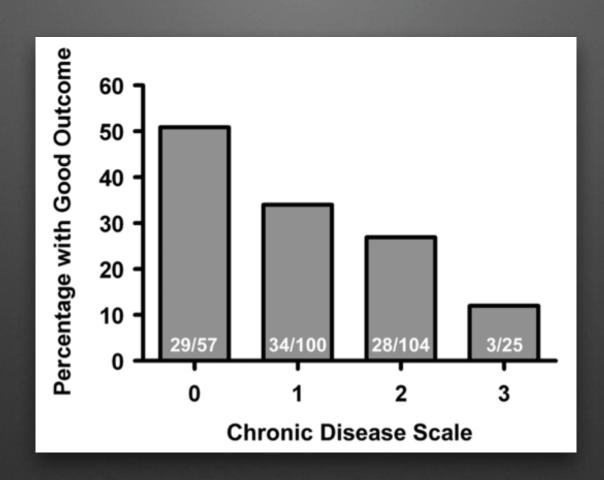




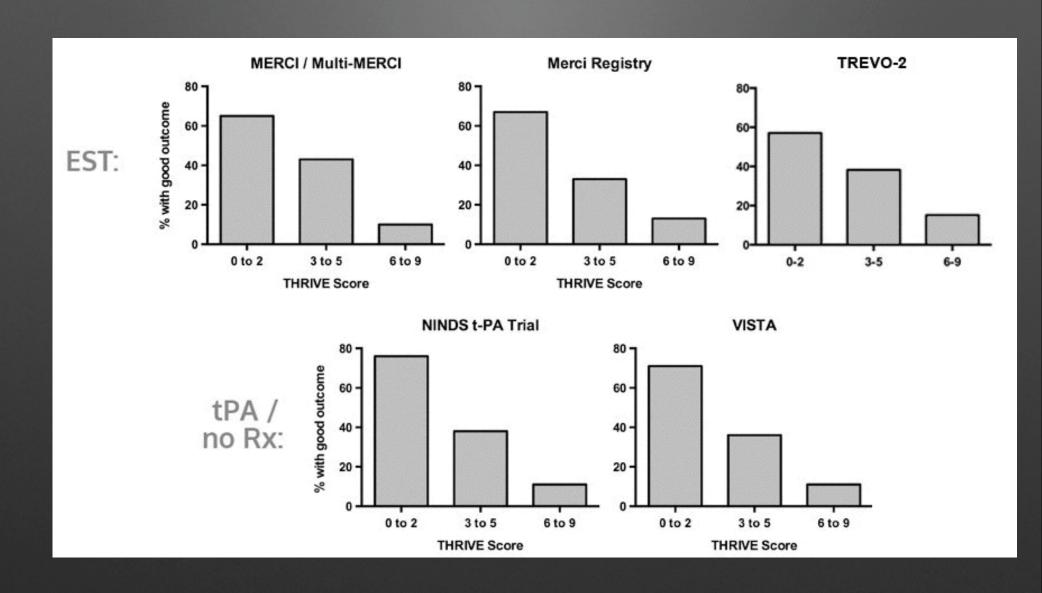
Normal by the next morning.

Completed stroke, malignant MCA syndrome, died.

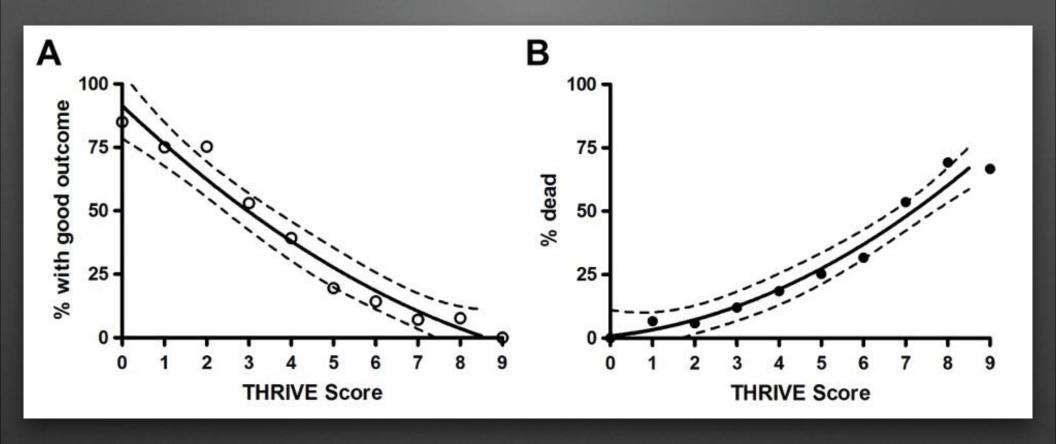
Chronic Disease Scale (HTN + DM + AFib)



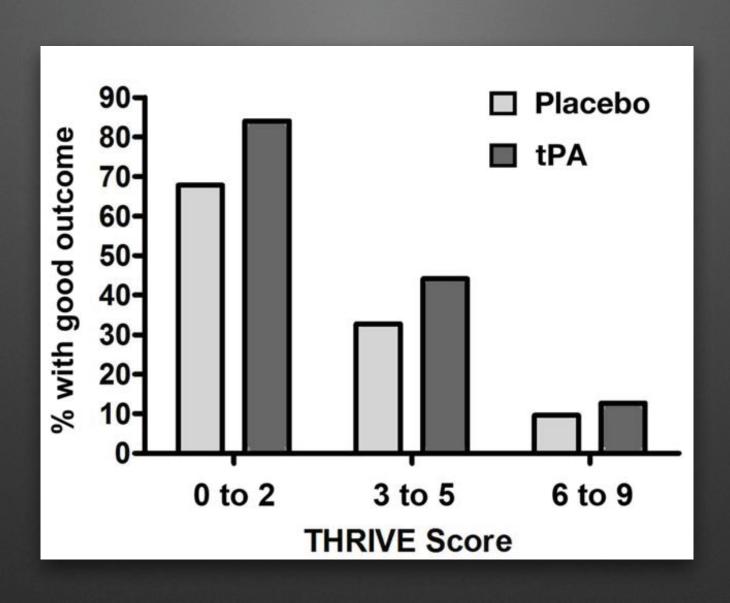
THRIVE and outcome



Continous THRIVE Score



THRIVE & tPA



THRIVE and recanalization

THRIVE ----- outcome

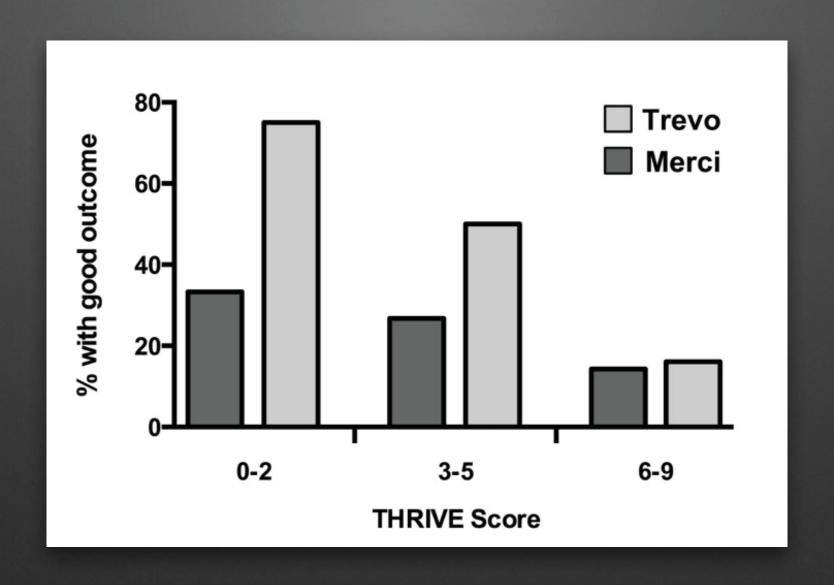
recanalization —— outcome

THRIVE and recanalization

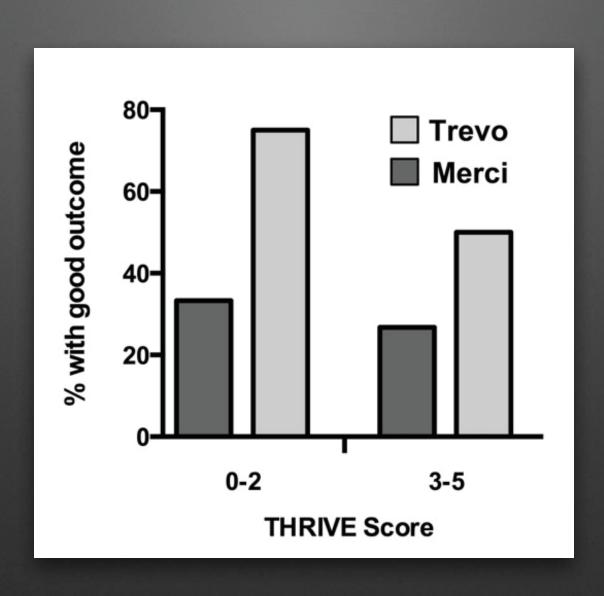
THRIVE ----- outcome

recanalization ----- outcome

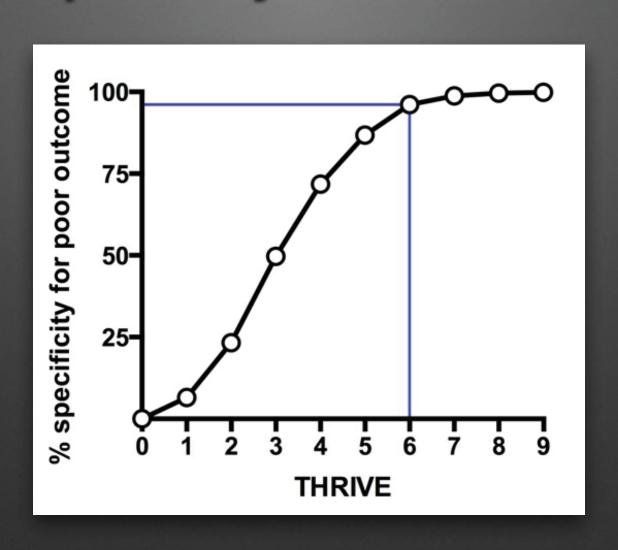
THRIVE in TREVO-2



THRIVE in TREVO-2



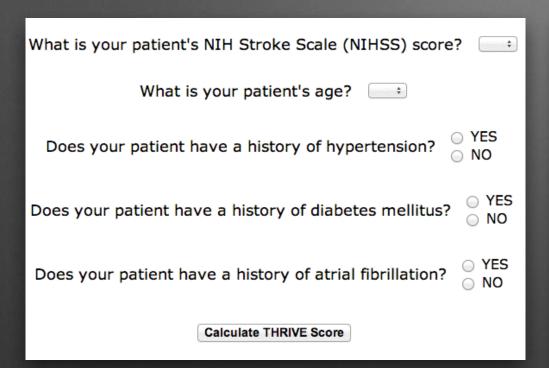
THRIVE: specificity for outcome

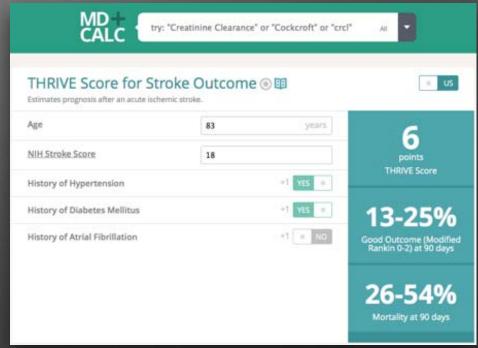


THRIVE & Intervention: a Bayesian model

pre-intervention probability — (recan) → post-intervention probability (THRIVE)

Calculating THRIVE:





www.thrivescore.org

www.mdcalc.com (beta)