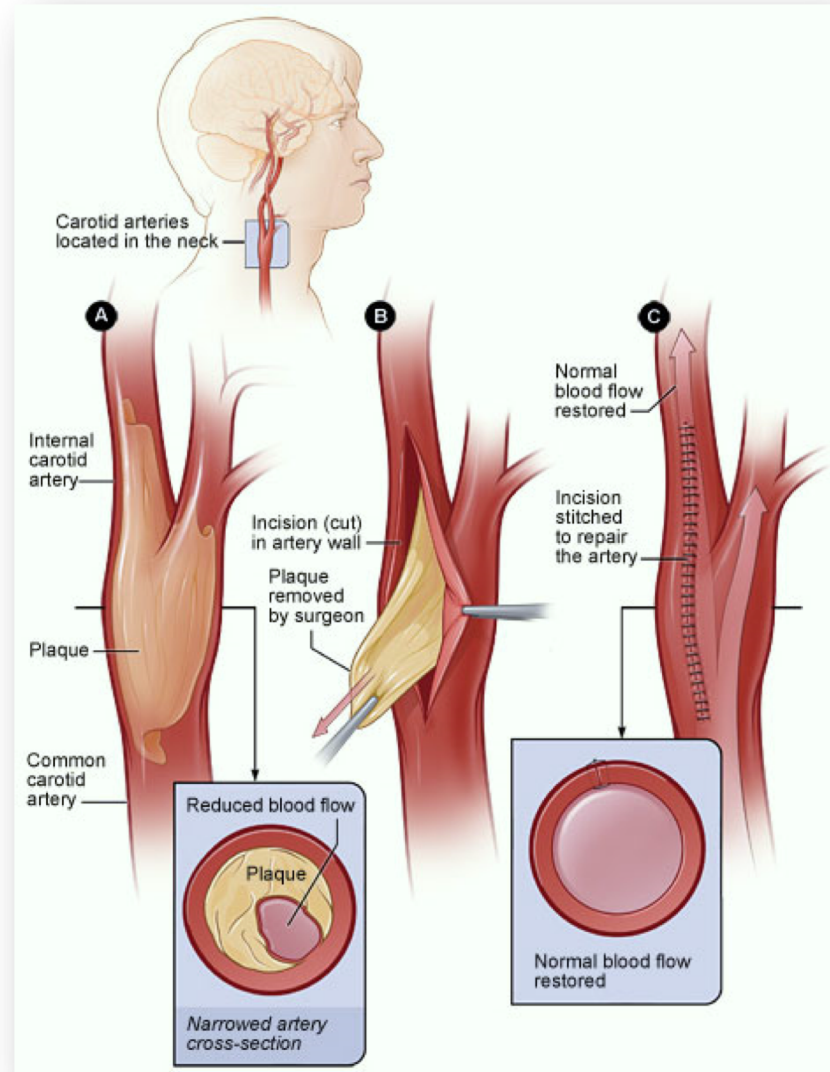
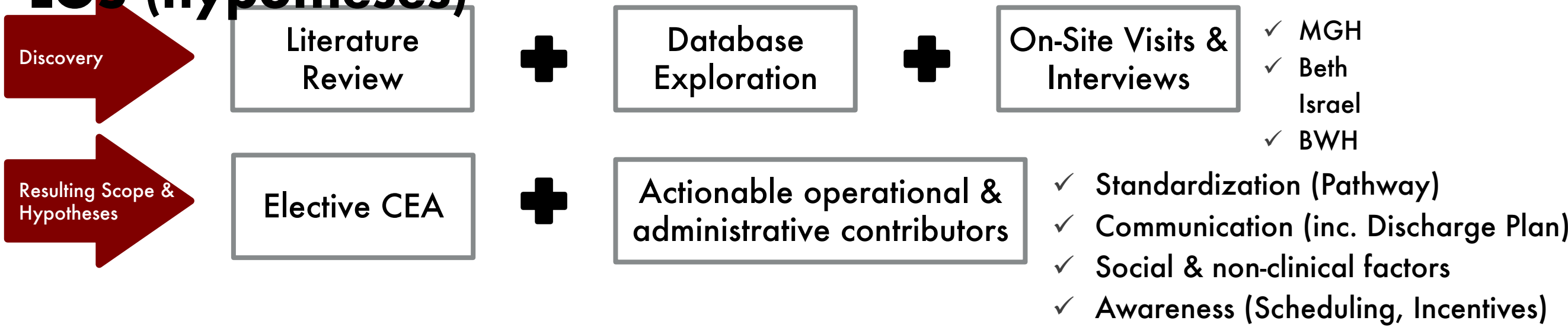


Reducing Length of Stay (LOS) following Elective Carotid Endarterectomy (CEA) Surgeries

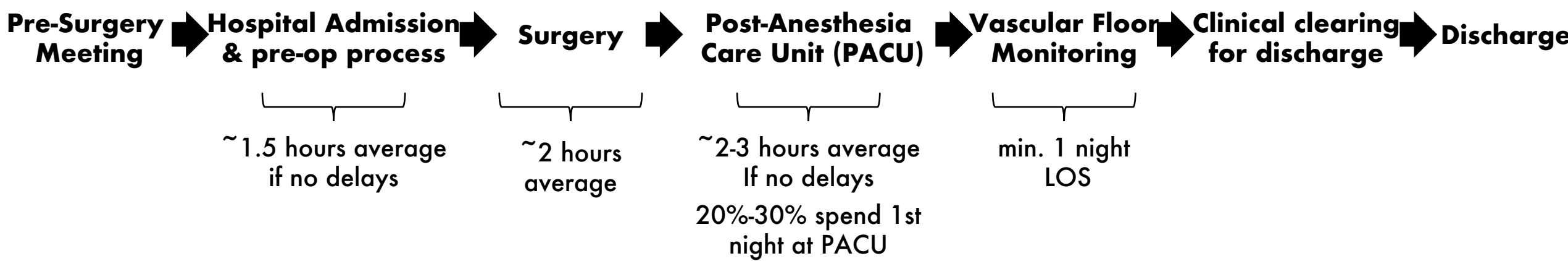
Objectiv

- SVS wants to provide its members added value; focus on actionable research
- LOS is easily measured; reducing it has high financial benefit
- Identify actionable, operational/administrative contributors (non-clinical, non-demographic) and underlying drivers of LOS

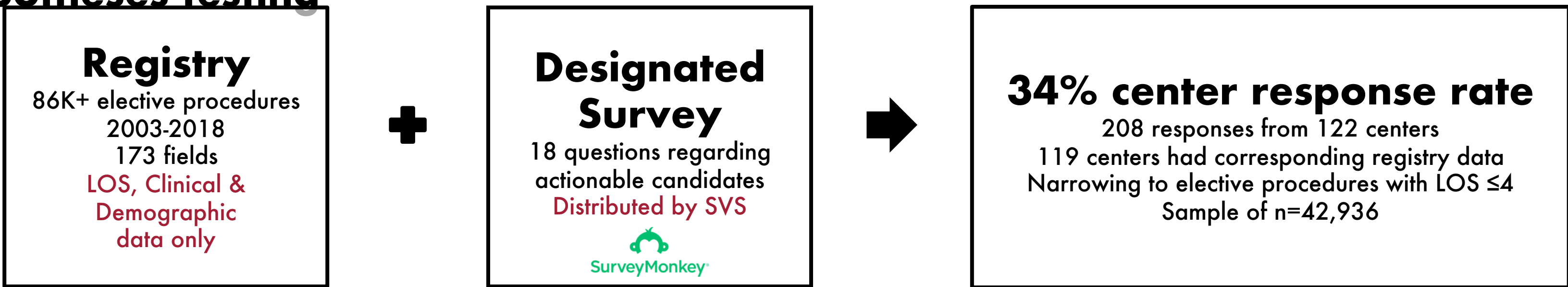
3-legged discovery process pointed to candidates prolonging LOS (hypotheses)



CEA procedure (source: www.teachmesurgery.com)



Dedicated survey enabled layering operational/administrative data with LOS for hypotheses testing



Results

Hypotheses	Testing
Patients pre-existing demographic information, pre-existing clinical status & events that occur during surgery can explain the variance in length of stay	No individual demographic, clinical or procedure events variables were good predictors of post-operative LOS
Existence of a Clinical pathway reduces LOS	No correlation was found between existence of clinical pathway and LOS
Surgeon-patient and inner-department communication reduces LOS	LOS was not correlated with timing of discharge planning with nursing staff nor with the existence of a pre-op package; Not enough variance in discharge planning with the patients to test
Social, non-clinical factors increase LOS	No correlation was found between the social situations described and LOS
Scheduling optimization reduces length of stay	Not enough variance in LOS awareness when scheduling to test

Top Recommendations

- ➊ Adding timestamps (date and time) for admittance and discharge to the registry
- ➋ Examining the magnitude of social-related additional night in the hospital followed by a pilot to address them
- ➌ Conducting surgeon-level studies in addition to facility-level studies in order to identify more opportunities to reduce LOS

Society for Vascular Surgery (SVS)

- National non-profit medical society
- Voluntary
- Advance excellence & innovation
- 5,800+ professionals
- 400+ medical centers
- Maintain non-EMR registries (research databases)

Our Team

Or Dan • Ron Margalit • Michal Zisman-Margalit



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Mike Benedetto
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Jens Jorgensen
MGH Vascular Surgery Dep.
BWH Vascular Surgery Dep.
BIDMC Vascular Surgery Dep.
SVS Analytics team