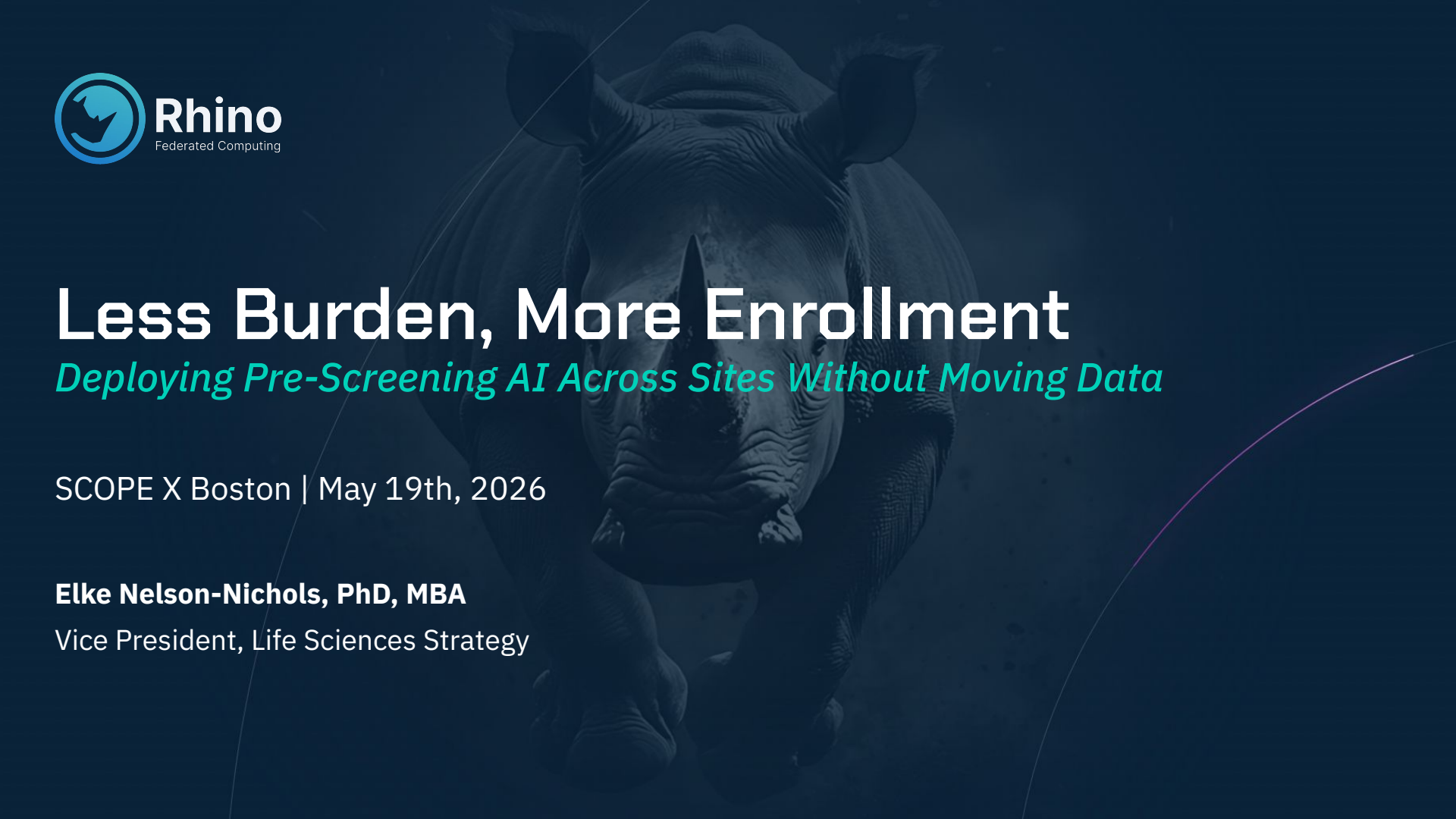


Rhino
Federated Computing

Less Burden, More Enrollment

Deploying Pre-Screening AI Across Sites Without Moving Data

SCOPE X Boston | May 19th, 2026

Elke Nelson-Nichols, PhD, MBA
Vice President, Life Sciences Strategy

The State of Clinical Trials Today: Slow Progress in Isolation

Clinical trials are slower, more costly, and more complex than ever. Yet, the amount of data and AI tools continues to increase.

So, why are trials still lagging?

The necessary data is locked across systems, sites, and countries.

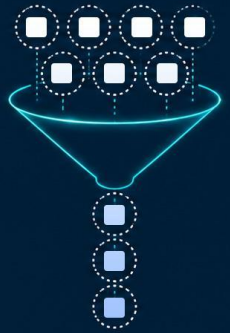
When models hit data firewalls, they stall. No algorithm can reach what it can't see.

Clinical trials are not data-limited—they're access-limited.

The AI Gap in Clinical Trials

Siloed Systems

- Siloed data creates biased model outcomes
- Centralizing data hits a wall due to privacy, legal, and governance concerns
- Clinical trials remain fragmented and slow



Governance Bottlenecks

- Friction is baked into how the data moves
- Setbacks are exacerbated for global, multi-site trials
- AI initiatives stall before they start

The **AI Gap in Clinical Trials** is not unlike what we're seeing and addressing in other settings:

Lilly

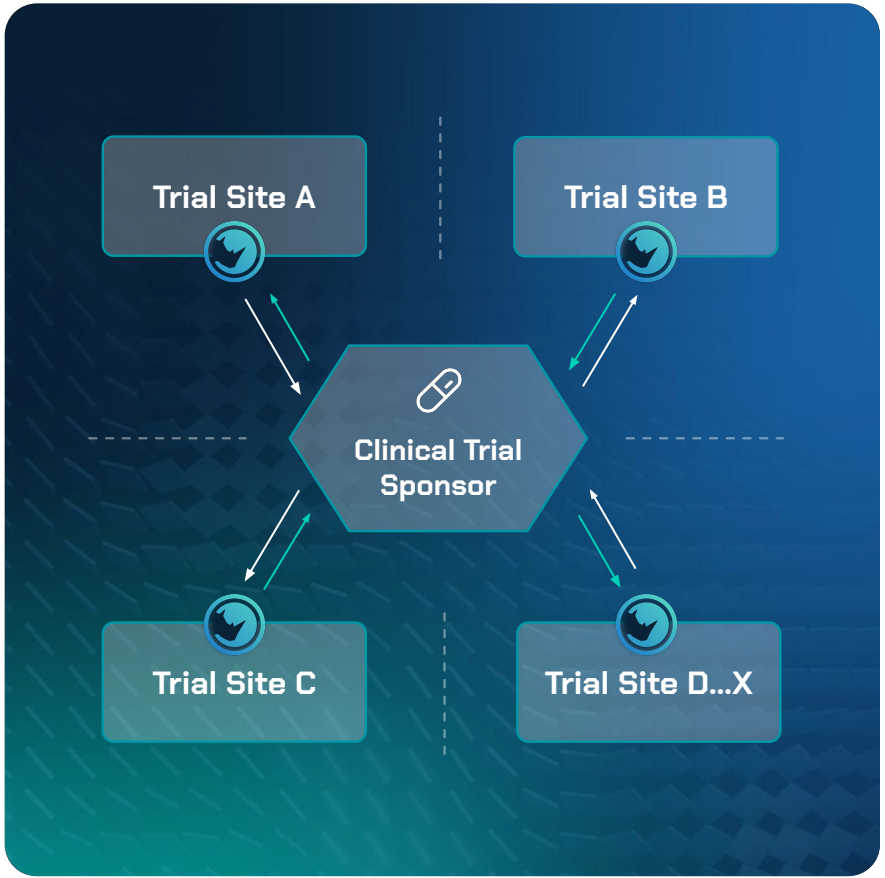
FATE FEDERATED AI THERAPEUTIC ENGINEERING

Beam by AstraZeneca

CAIA

Compute travels *to* data – not the other way around

- Data stays behind firewalls
- Analytics, models, and agents ‘travel’ to the data
- Only privacy-protected insights are shared
- Collaboration is enabled while compliance is upheld

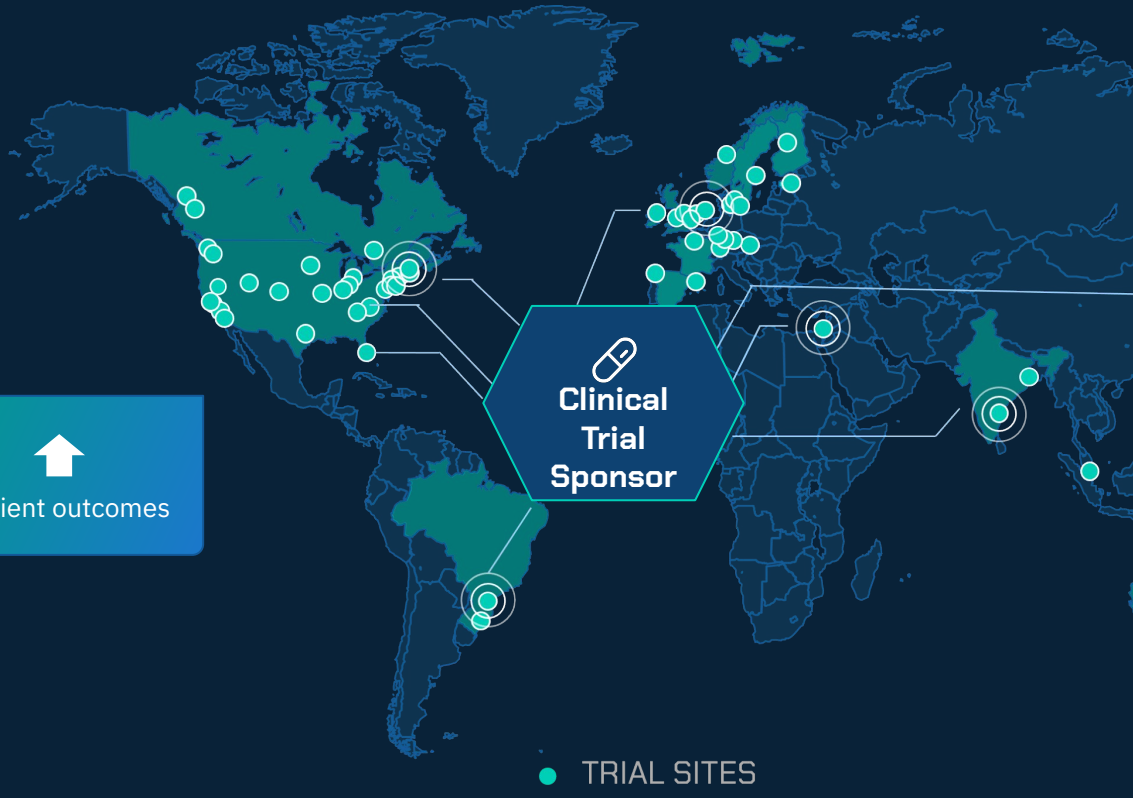


GDPR · ISO 27001 · AICPA SOC 2 · HIPAA COMPLIANCE

From Data Access to Meaningful Impact

Deploy AI across a global site network. Get real-time eligibility predictions—no data ever moves.

- ↓ Screen Failures
- ↓ Trial costs
- ↑ Enrollment speed
- ↓ Site burden
- ↑ Patient outcomes



Federated inferencing also powers predictions for:

- Feasibility
- Site Selection
- Treatment Response
- Acquired Resistance
- Safety (TEAEs)