

mitoSHARE: A Global Research Platform Advancing Therapeutic Development in Mitochondrial Disease

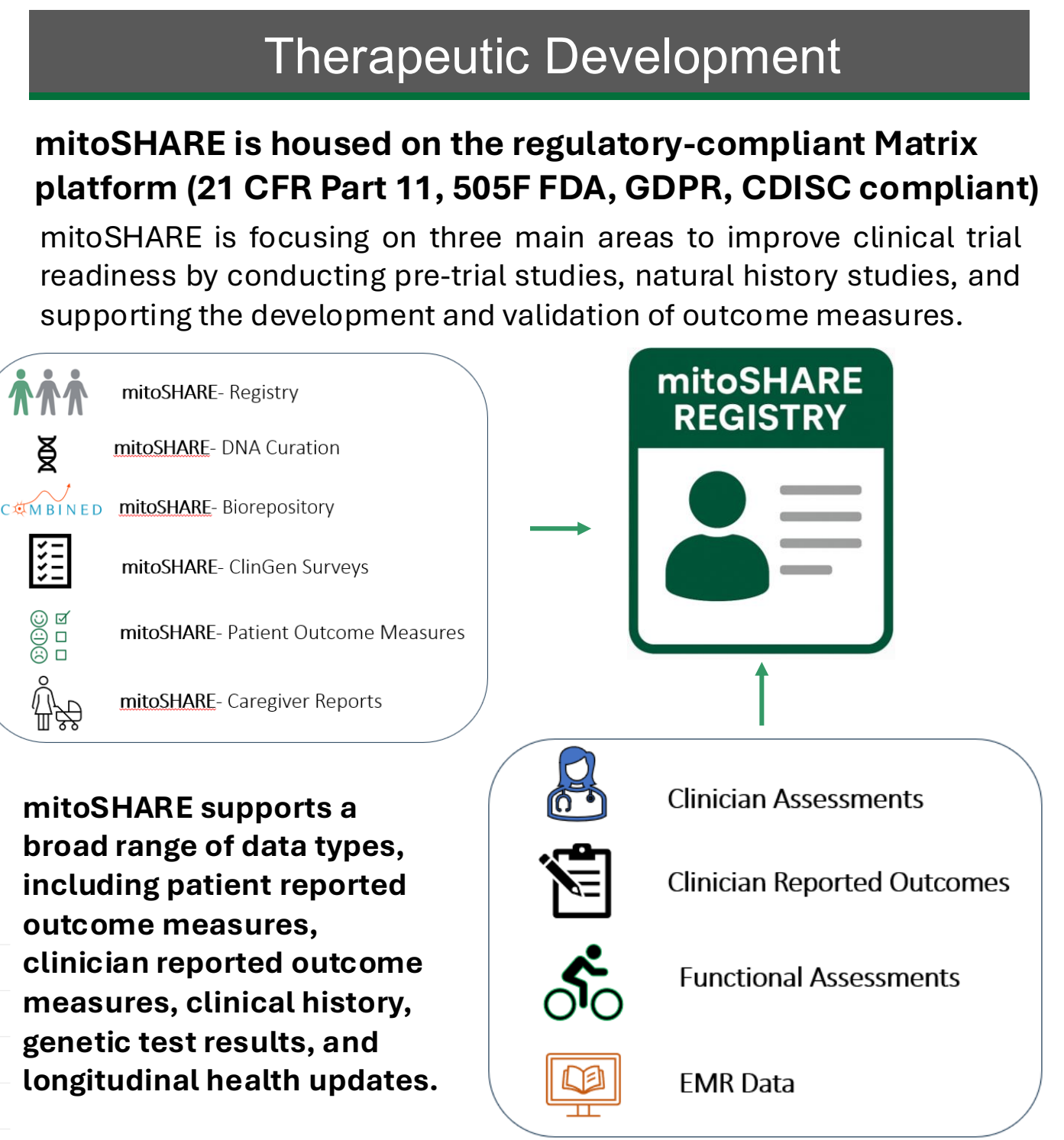
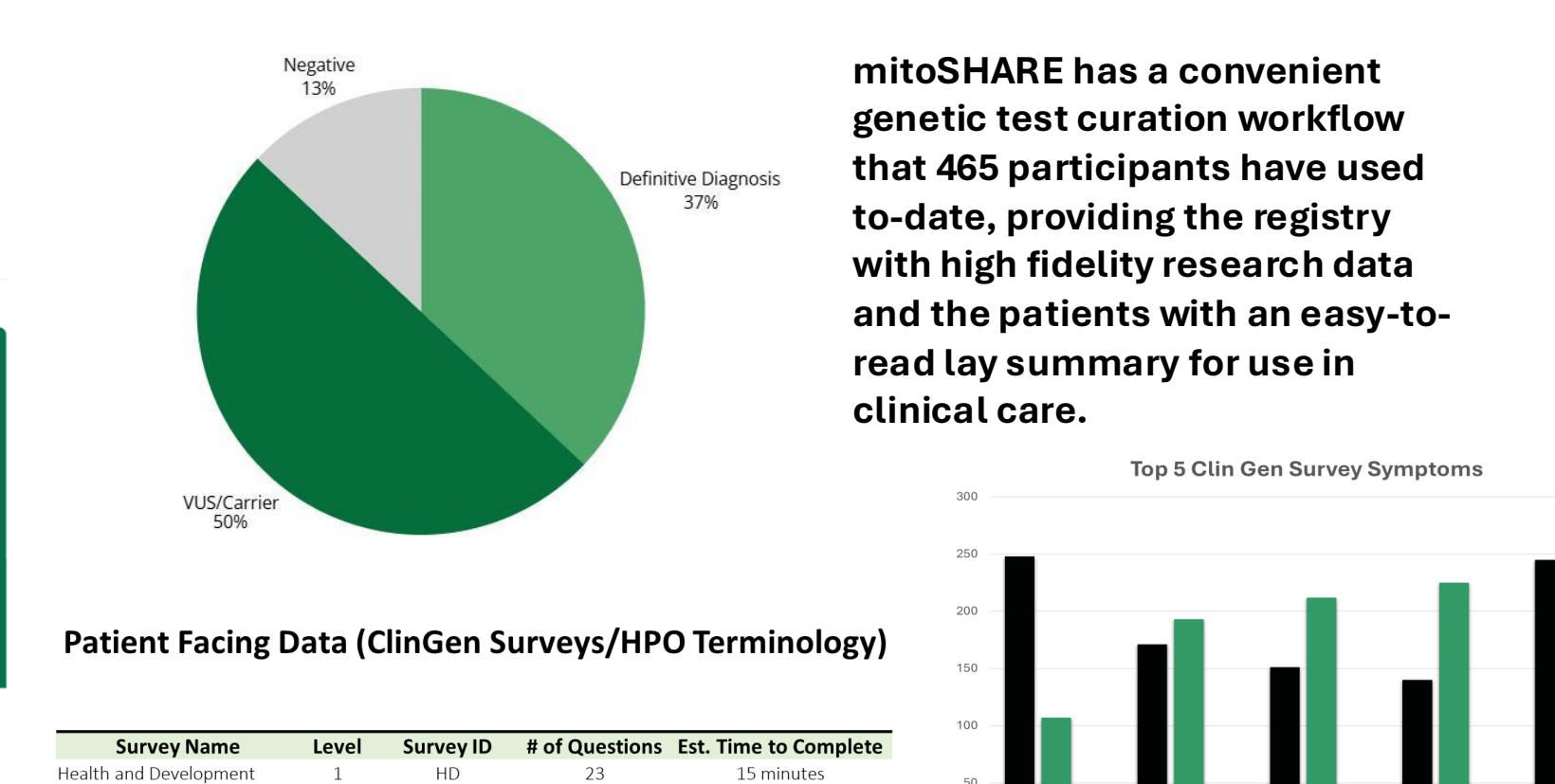
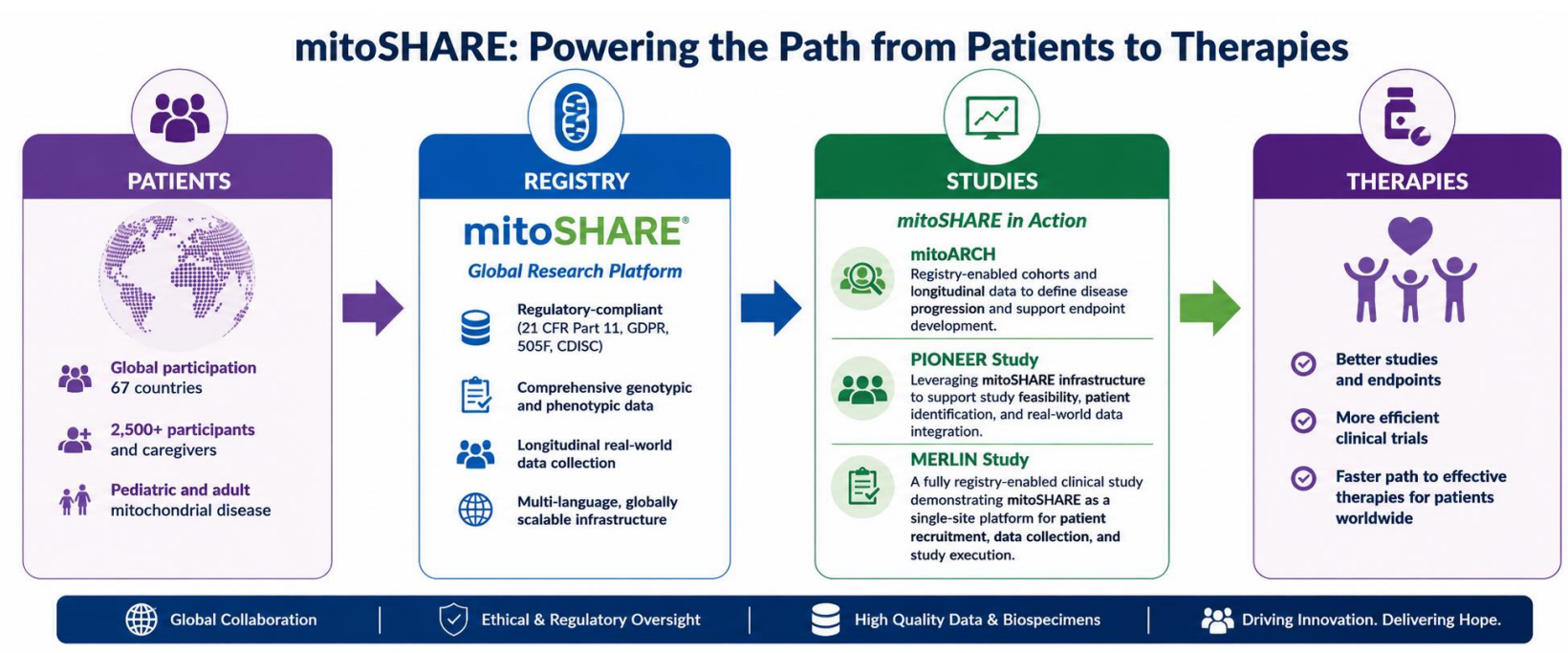
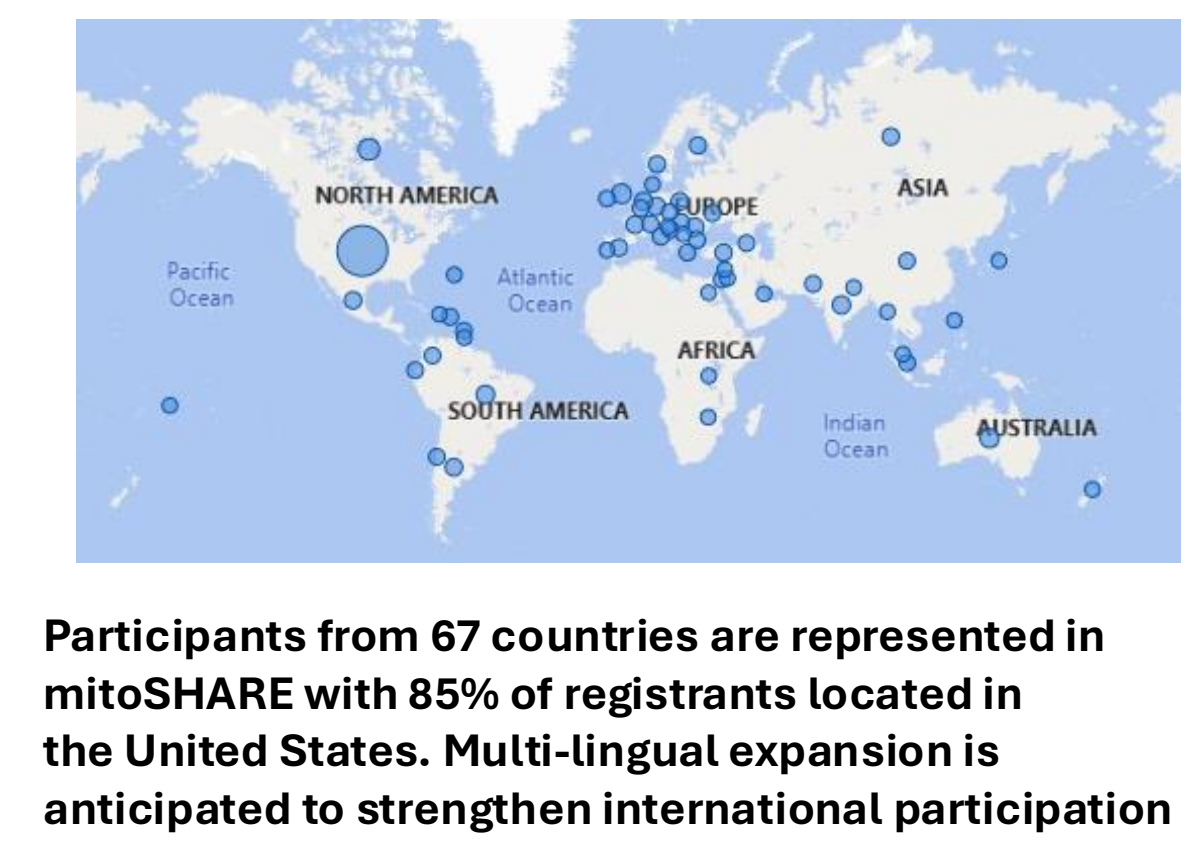
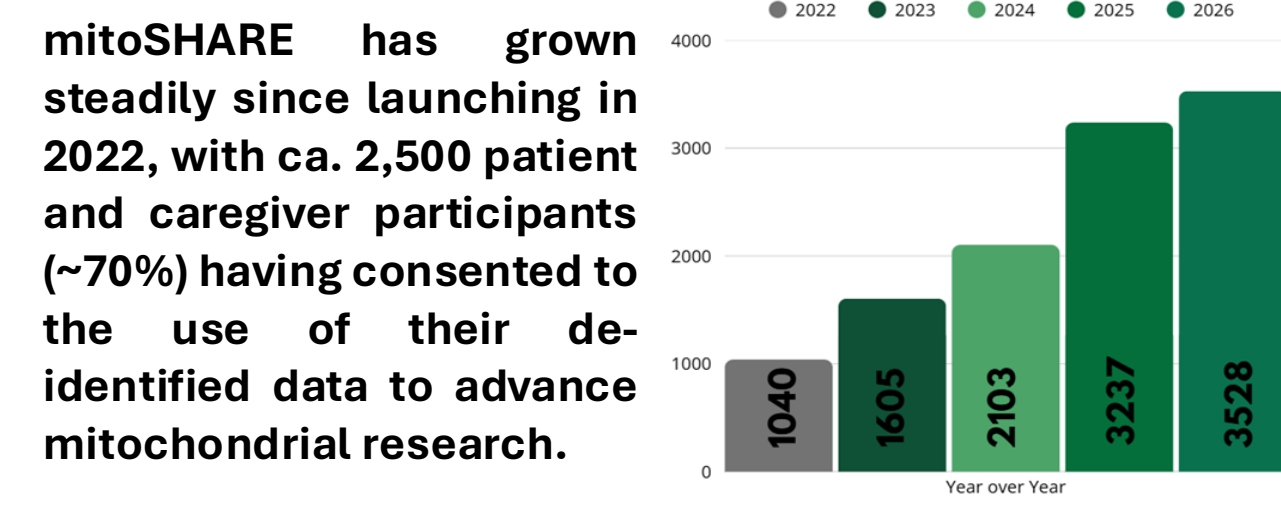
UNITED
MITOCHONDRIAL
DISEASE
FOUNDATION.

Philip E. Yeske, PhD, Danielle Black, Nicole Wilson / United Mitochondrial Disease Foundation, Pittsburgh PA, USA
Amel Karaa, MD / Massachusetts General Hospital, Boston, MA, USA



mitoSHARE
WORLDWIDE PATIENT-POPULATED REGISTRY

mitoSHARE is a worldwide patient-populated registry led by the United Mitochondrial Disease Foundation that aims to transform mitochondrial disease research through scalable real-world data and study-ready infrastructure. By enrolling pediatric and adult patients globally, mitoSHARE provides a scalable research infrastructure to advance diagnosis, scientific discovery and therapeutic development.



mitoSHARE in Action: Enabling Clinical Research

Cross-sectional Outcome Measure Research

mitoARCH RESEARCH STUDY

Registry-enabled longitudinal data capture to define disease progression & support endpoint development

Tisento THERAPEUTICS

Longitudinal Outcome Measure Research

MERLIN

mitoSHARE-enabled registry study with longitudinal in-home natural history assessments

ABLIVA Member of Pharming Group

Prospective Natural History Study

PIONEER STUDY

Leveraging mitoSHARE infrastructure to support global POLG NHS project

THE POLG FOUNDATION

PRETZEL THERAPEUTICS

Conclusion

mitoSHARE demonstrates how a regulatory-ready, patient-centered research ecosystem can accelerate therapeutic development for mitochondrial disease. By integrating real-world data, global patient engagement, and study-ready infrastructure, mitoSHARE enables more efficient trial design and execution and improves access to emerging therapies. With rapid growth and expanding capabilities, mitoSHARE is positioned as a central platform for collaboration across patients, clinicians, researchers, and industry.