



aceso™

Austere environments Consortium
for Enhanced Sepsis Outcomes

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Austere environments Consortium for Enhanced Sepsis Outcomes (ACESO)

Founded in 2010, ACESO is a consortium consisting of U.S. Government, non-profit, academic and industry partners. ACESO's mission is to improve survival for patients with severe infections through development of rapid, point-of-care diagnostics and prognostics and evidence-based clinical management.

ACESO is focused on developing solutions to guide clinical decision-making in settings where a modern intensive care unit (ICU) is not available, medical centers in resource-limited settings across the globe, military deployments to areas with long medical evacuation chains, and pandemic or other public health emergency settings such as the COVID19 pandemic.

ACESO can provide information required for clinical decision-making at the point-of-care consisting of the following components:

- ◇ Rapid point-of-care diagnostics and prognostics
 - > Host-based biomarkers utilizing a systems biology approach with integrated multi-omics data.
 - > Host-response patterns identified to characterize subgroups of patients in terms of morbidity/mortality risk, infection type, and predicted treatment response profile.
 - > Continuous physiologic monitoring using wearable biosensors.
 - > Point-of-care ultrasound and other hand-held medical devices.
- ◇ Evidence-based clinical management
 - > Biomarker-guided, precision medicine clinical care guidelines.
 - > Compliant and secure personal health information data systems.
 - > Artificial intelligence/machine learning (AI/ML) analytics for patient management.
 - > Personalized and actionable data on real-time care.

Partnership Opportunities

- ◆ Multi-omics testing
- ◆ Data analytics
- ◆ Deployable devices
- ◆ Targeted therapeutics
- ◆ Leverage clinical site capabilities



Site Locations

- ◆ United States
- ◆ Cambodia
- ◆ Uganda
- ◆ Liberia
- ◆ Ghana
- ◆ Peru

- ◆ Madagascar
- ◆ Ivory Coast
- ◆ South Africa
- ◆ Malaysia
- ◆ Thailand
- ◆ Indonesia
- ◆ Australia



The Henry M. Jackson Foundation for the Advancement of Military Medicine (HJF) was a founding member of ACESO and currently administers the consortium.