

ARPA-H HEROES PROGRAM SOLICITATION (PS)
ARPA-H-SOL-24-01
SOLUTION SUMMARY TEMPLATE

Use of this template is strongly encouraged for proposals submitted to this Program Solicitation

NOTE: All submissions must be written in English with 12-point Times New Roman font. Font sizes of 8 or 10 point may be used for figures, tables, and charts. Delete all formatting and content instructions prior to submission. Instructions and Content recommendations are displayed in blue font and should be deleted prior to solution summary submission.

Proposers **MUST** submit a Solution Summary in advance of a full proposal, and Proposers interested in more than one health outcome category must submit separate Solution Summaries for each outcome/geographic area pairing.

The total length of the Solution Summary should not exceed **8 pages**.

Page limit includes:	Page limits do NOT include:
Sections 1 - 5	Cover Sheet
	Transmittal letter (optional - not required)
	Section 6

ATTACHMENT 1
SOLUTION SUMMARY
<PRIME ORGANIZATION LOGO (OPTIONAL)>

ARPA-H HEROES

Program Solicitation #	ARPA-H-SOL-24-01
Solution Summary Title	
Submitter Organization	
Type of Organization	Choose all that apply: Large Business, Small Disadvantaged Business, Other Small Business, Historically Black Colleges and Universities (HBCU), Minority Institute (MI), Other Educational, or Other Non-profit
Technical Point of Contact (POC)	Name: Mailing Address: Telephone: Email:
Administrative POC	Name: Mailing Address: Telephone: Email:
Total Basis of Estimate	Total: \$
Health Outcome Category	
Geographic area of focus (listed by Zip3 and total population size included)	
Place of Performance	
Other Team Members (sub-awardees and consultants) if any	Technical POC Name: Organization: Organization Type:

Delete all formatting and content instructions prior to submission. Content recommendations are displayed in blue font and should be deleted prior to Solution Summary submission.

The Solution Summary should be prepared according to the following outline:

SECTION 1: PROJECT CONCEPT SUMMARY (Suggested Page Count: 1 page)

- (a) Describe the project concept with minimal jargon and explain how it addresses the selected health outcome. Include the outcome of interest, the geographic area selected, the population size captured, and the baseline performance in the selected outcome. Include characteristics of the populations and geographic area selected using the HEROES Outcome Toolkit, located the HEROES website at <https://arpa-h.gov/research-and-funding/programs/heroes>. Proposers should explicitly highlight how they will drive health improvements in the outcome for these populations. Baseline performance should include the output from the HEROES Outcome Toolkit but can also include performance from other available data sources (if you choose to use additional data sources, please provide the source). Please include the export of your selected geographic area from the HEROES Outcome Toolkit as an appendix.
- (b) Describe how the proposed effort represents an innovative and potentially revolutionary solution to the technical challenges posed under the ARPA-H HEROES Program Solicitation.
- (c) Explain the concept's potential to be disruptive compared to existing or emerging technologies and how the proposed approach will go far beyond current commercial capabilities.

SECTION 2: TEAM ORGANIZATION AND CAPABILITIES (Suggested Page Count: 1 page)

Indicate the roles and responsibilities of the organizations and key personnel that comprise the Project Team.

Identify the organizations that make up the team and a single contact person from each organization.

SECTION 3: PROPOSED WORK (Suggested Page Count: 4 pages)

- (a) Solution Summaries should outline strategies to improve health outcomes across all people in a geographic region who are affected by the health condition of interest (e.g., develop interventions that assist all expectant mothers for maternal health as opposed to only those who can easily travel to a hospital center).
- (b) Describe the process to achieve the program goals and key leading indicators that will support the program’s objectives, one or two key interim milestones, and the overall technical approach used to achieve project objectives. Consider the use of a driver diagram to show how the outcome will be impacted and how team members may collaborate or work together to impact the various drivers.
- (c) Describe the evidence base that informs the interventions, and how the team will leverage that evidence. Where appropriate, describe how the effort is scaled so that it may result in improvement for all of the included population (e.g. how to educate key clinicians/hospital systems, how to develop community capacity, etc.). Discuss alternative approaches considered, if any, and why the proposed approach is most appropriate for the project objectives.
- (d) Describe the background, theory, modeling and simulation, experimental data, or other sound evidence-based and scientific practices or principles that support the proposed approach. Provide specific examples of supporting data and/or appropriate citations to the literature. Identify adoption challenges (including any data limitations) to be overcome for the proposed innovation to be successful.
- (e) Describe why the proposed effort is a significant innovative challenge and the key technical risks to the ARPA-H HEROES program. At a minimum, the Solution Summary should address:
 - If the approach requires one or more entirely new innovations to succeed.
 - How the entire population will be served.

- How the team was composed. Explain how the proposed type/size of the team was developed. Was the need to avoid excessive operational complexity balanced with the need to include adequate expertise and capacity?
- How technical risk will be mitigated.
- What use cases and data types will be featured.

SECTION 4: OUTCOME BUYERS (Suggested Page Count: 1 page)

- (a) Provide the names and details of Outcome Buyers that you have engaged with or who have expressed interest in participating in the program.
- (b) Provide the level of engagement, and the likelihood of executed contracts by the proposal submission due date and/or the anticipated timeline for contract execution.

SECTION 5: IMPLEMENTATION ESTIMATE & CAPITAL (Suggested Page Count: half-page)

- (a) Please include an estimate of costs to execute the proposed technical approach (financed component only).
- (b) Additionally, provide the progress to date in soliciting investor capital, or indicate if financing is not needed to implement the proposed technical approach outlined in the Solution Summary due to adequate/secured internal funds (e.g. investors are not needed).

SECTION 6: APPENDIX: HEROES OUTCOME TOOLKIT GEOGRAPHY EXPORT (Not included in the Page Count)

Please include the export from the HEROES Outcome Toolkit that shows the selected outcome category of interest, geographic area meeting the minimum population size or state-wide requirements, and estimated performance. As detailed in the HEROES Program Solicitation, Proposers are encouraged to choose areas where the health outcome performance is worse than the national average.