Advanced Research Projects Agency for Health

Overview:

ARPA-H (the Advanced Research Project Agency for Health) is seeking highly qualified candidates to build out our executive leadership team. ARPA-H is a new agency established with the mission of creating breakthrough solutions to America's most challenging health-related problems. ARPA-H will support high-uncertainty, high-reward programs to solve hard challenges using programmatic approaches that other agencies cannot or do not use. With a scope spanning the molecular to the societal, ARPA-H programs have the potential to radically improve everyone's health. Our streamlined awards process enables us to act quickly and catalyze cutting-edge biomedical and health research. ARPA-H will create an environment to support the best ideas from Program Managers that will bring together dynamic teams to solve the toughest health challenges. Our rigorous program design, competitive project selection process, and active program management ensure thoughtful and impactful expenditures. ARPA-H Program Managers serve for limited terms to ensure a constant infusion of fresh thinking and new perspectives. More information on ARPA-H can be found here: https://arpa-h.gov/

Senior Health Economist

Description:

The ARPA-H Senior Health Economist will work on projects across the organization to inform program portfolio priority setting, resource allocation, and policy development through health economic modeling and analysis. The ARPA-H Senior Health Economist operates at all levels within the organization to perform quick turn research to advise senior leaders to support decision-making. The ARPA-H Senior Health Economist designs and conducts health economic evaluations of potential and on-going interventions to inform program evaluation strategies and potential return on investment at the project, program, and organizational levels.

The Senior Health Economist should have strong technical expertise in Health Economics and Outcomes Research (HEOR), with particular focus on economic and population-based modeling. Using appropriate modeling software, h/she should be able to independently build economic and population-based models, including budget impact and cost- effectiveness models, in addition to unique models that speak to the economic and/or clinical value proposition of ARPA-H programs. The incumbent will monitor external best practices and processes for the development and utilization of economic and population health models, and incorporate these into how s/he works to improve the relevance and impact of these models for ARPA-H's internal and external stakeholders.

The Senior Health Economist will utilize in-depth knowledge of strategic decision-making frameworks to evaluate and enhance existing resource allocation frameworks; educates and trains staff on priority setting and resource allocation frameworks. The incumbent will develop guidelines for the collection of health economic data to support return on investment analysis; coordinate with relevant ARPA-H programs to support health economic

data collection and decision-making; and aggregate and analyze large datasets and primary data using data science skills including programming with statistical software packages. The Senior Health Economist will use knowledge of statistical and mathematical methods to conduct frequentist, regression and model-based analysis to support health economic evaluation; create briefing notes, business cases and reports to communicate results of analyses.

Educational Qualifications and Requirements:

- A PhD in Health Economics, Health Services, Health Policy, or related discipline supplemented with three (3) years recent related experience in a health care or academic research, or an equivalent combination of education, training and experience.
- Knowledge of health economics theory and demonstrated competence in the application of health economics methods;
- Knowledge of study design, data collection and analysis;
- Demonstrated ability to perform advanced data manipulation, analysis and information presentation;
- Demonstrated knowledge of medical/research methods, terminology and applications;
- Knowledge of data analysis and evaluation processes in a health care or health research and development environment;
- Advanced skill in quantitative analysis including descriptive statistics, multivariate regression, regression discontinuity analysis with time series data;
- Advanced skills in decision tree, Markov, discrete event simulation modelling with deterministic and probabilistic models;
- Ability to prioritize, plan, organize, and manage projects;
- Ability to work independently and as a member of a team;
- Ability to develop and maintain productive relationships with various internal and external stakeholders;
- Proven track record of academic publications or equivalent private sector products, which have been used to influence leadership decision-making;
- Ability to operate related equipment including applicable software applications
- Ability to communicate effectively, both verbally and in writing;
- Individual should be able to present and discuss projects and findings to a diverse audience, and distill down the complexity of their work and finding for a non- technically trained audience.

Apply at CAREERS@ARPA-H.GOV Please include subject line: Senior Health Economist

At ARPA-H, our customer is the American public, and we seek to build a mission-driven workforce that is as diverse as our customer base. We are building a culture that creates a space for visionary innovators in science, health, and in building a best-in-class ARPA organization. For this position, ARPA-H is able to use special hiring authorities that are legislatively granted that allow for a streamlined hiring and onboarding process.

Benefits: The Senior Health Economist will be hired at an industry-competitive salary commensurate with the selectee's qualifications and experience and ARPA-H salary guidelines. Full Federal benefits will be provided, including retirement, health and life

insurance, leave, and savings plan (401(k) equivalent). Relocation and other incentives may be available.

Equal Employment Opportunity: Selection for this position will be based solely on merit, with no discrimination for non-merit reasons such as race, color, religion, gender, sexual orientation, national origin, political affiliation, marital status, disability, age, or membership or non-membership in an employee organization. ARPA-H encourages the application and nomination of qualified women, minorities, and individuals with disabilities.

Standards of Conduct/Financial Disclosure: ARPA-H inspires public confidence in our work by maintaining high ethical principles. ARPA-H employees are subject to Federal government-wide regulations and statutes as well as agency-specific regulations described on the NIH Ethics website. We encourage you to review this information. The position requires the incumbent to complete a public financial disclosure report prior to the effective date of the appointment.

Foreign Education: Applicants who have completed part or all of their education outside of the U.S. must have their foreign education evaluated by an accredited organization to ensure that the foreign education is equivalent to education received in accredited educational institutions in the United States. We will only accept the completed foreign education evaluation. For more information on foreign education verification, visit the https://www.naces.org website. Verification must be received prior to the effective date of the appointment.

Reasonable Accommodation: ARPA-H provides reasonable accommodations to applicants with disabilities. If you require reasonable accommodation during any part of the application and hiring process, please notify us. The decision on granting reasonable accommodation will be made on a case-by-case basis.