



Epidemiologist, Integrating COVID-19 Vaccine in Patient Care Workflows

SUMMARY: The Illinois Chapter of the American Academy of Pediatrics (ICAAP) has been awarded a contract from the Illinois Department of Public Health (IDPH) to support the expansion of COVID-19 vaccine administration into primary care practices, urgent care centers, and emergency department and hospital inpatient discharge processes as part of the patient workflow. The goal of this project is to ensure Illinoisians are being immunized at every opportunity and providers are ready to immunize additional age-groups and special at-risk populations.

In partnership with sub-grantees, the Extension for Community Health Outcomes (ECHO) Chicago and the Illinois Academy of Family Physicians (IAFP), ICAAP will implement training and technical assistance to recruit and support providers in distributing COVID-19 vaccinations.

ICAAP is seeking *an epidemiologist with COVID-19 vaccine administration understanding in Illinois* to support this project. While historical and exceptional work has been done around COVID-19 mass vaccination efforts, herd immunity has not yet been reached. ICAAP looks forward to supporting providers in normalizing the COVID-19 vaccine and incorporating these vaccinations into routine medical care workflows in Illinois. ICAAP is also interested in identifying providers or hospital systems that are not yet approved to administer COVID-19 vaccines to support them in becoming vaccinators.

RESPONSIBILITIES:

- 1) Support ICAAP in understanding what Local Health Departments (LHDs) are doing related to implementation of the state of Illinois' COVID-19 vaccination plan.
- 2) Analyze and summarize COVID-19 vaccine administration data in Illinois by demographics, including race and ethnicity.
- 3) Study the utility of Illinois' statewide system for disseminating information to vaccine providers and others with direct involvement in the COVID-19 vaccination administration mission, i.e., Health Alert Network—HAN/SIREN.
- 4) Identify and map priority populations within the state using CDC/ATSDR Social Vulnerability Index tool and other Health Equity Resources.
- 5) Track relevant data to inform the statewide vaccination strategy and identify gaps and reasons for low coverage levels or a dearth of providers in administering vaccines.
- 6) Study the impact on providers related to documenting and reporting vaccine administration via I-CARE and/or EMTrack as well as managing and reporting vaccine inventory via I-CARE and VaccineFinder.
- 7) Complete project orientation training (approximately 3 hours).
- 8) Complete necessary contract paperwork in a timely manner.
- 9) Participate in monthly meetings to review status on project deliverables.

EDUCATION: Master's degree in public health or a closely related field from an accredited college or university.

QUALIFICATIONS: At least two years of relevant work experience performing epidemiologic work or work in a closely related field.

- Possess strong data management and analysis skills.
- Experience conducting research on epidemiology of infectious diseases.
- Experience with data visualization.
- Experience with Geographic Information Systems.
- Experience working collaboratively with diverse stakeholders and engaging in strategic partnerships.
- Strong understanding of design and implementation of research and epidemiologic studies.

- Organizational skills demonstrating high attention to detail and the ability to organize multiple priorities.
- Strong interpersonal skills required for teamwork and interaction with partners.
- Knowledge of SAS, SPSS, STATA, or other statistical software; proficiency with Microsoft Office Suite.
- Proficiency in writing comprehensive statistical and analytical reports.
- Excellent written and oral communications.

Project is tentatively scheduled through December 2022. Estimated time commitment is 30 hours per month for ~ 14 months = 420 hours. Estimated hourly rate is \$100/hour with total compensation of approximately \$42,000. This work will be conducted remotely with monthly virtual check-ins.

Please send cover letter explaining your qualifications in implementing this contract work along with a CV and two work-related references to Ms. Kathy Sanabria, ICAAP Associate Executive Director, ksanabria@illinoisaap.com