
SRIDEVI WILMORE & JENNIFER NELSON

[HTTPS://WWW.LINKEDIN.COM/IN/JENNIFER-NELSON-576A28147/](https://www.linkedin.com/in/jennifer-nelson-576a28147/)

Required Skills:

Web Development, Stand Alone App Development, Java, Python, Responsive Web Design, Human Centered Design, Workflow/Process Optimization, Open Source Databases, Analytics/Machine Learning, Project Management, Technical Writing, Communications, Interest in Public Health Efforts

Preferred Team Communications:

Conference call

Data Sources:

Georgia Tech synthetic data will be sufficient for the project.

Other Items:

No geographic requirements for students.

Students can be of any nationality

Project has timezone flexibility. Mentors and students will determine a good time for virtual meeting

CDC BREASTFEEDING SUPPORT INITIATIVE

This project focuses on efforts related to defining and identifying specific breastfeeding referral transactions and data elements of interest using FHIR resources. Defining the specific referral related transactions and defining the associated data elements is essential to implementing innovative technology solutions that support breastfeeding mothers. Further, technological advancements that optimize the use of EHR data improve the efficiency and accuracy of identifying these populations and creates opportunities for exchanging population data across the health sector for timely intervention. The goal is to specify breastfeeding referral related transactions and data elements and use these to develop an advanced FHIR driven EHR based referral technology solution

PROJECT OBJECTIVES

Specify breastfeeding referral transactions and data elements. Map these data elements to FHIR resources. Further, develop a technology solution that supports an EHR based referral mechanism using these FHIR resources, including bi-directional transmission of referral information

SUCCESSFUL PROJECT

- 1) Define breastfeeding referral transactions
- 2) Identify breastfeeding referral data elements and map these to FHIR resources
- 3) Develop a technology solution using the FHIR resources to implement bi-directional breastfeeding referrals
- 4) Solution should include a dashboard that displays transaction metrics (e.g., # of successful referral engagements, # of dropouts etc.) transactions and data elements and use these to develop an advanced FHIR driven EHR based referral technology solution

Intellectual Property: Project involves a government agency so the resulting project is made available to the public. Students do not own IP. Students will be recognized as contributors



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