

CSE 490C, Homework Assignment 4, Due Wednesday, October 24, 2018, at 11:59 pm

This assignment involves reading a paper and answering the questions listed below. The goal of this assignment is to expose you to some of the details of how immunizations information systems (IIS) work, and the requirements and challenges of designing such systems.

Read the following: [Vaccine Delivery Innovation Initiative, Bill & Melinda Gates Foundation](#)

Going through this reading, you will learn about the various challenges in identifying, registering, and locating children for immunization, tracking immunization activities, and design considerations for IIS. In your upcoming Programming Assignment 2 (due November 2nd) you are required to create a global goods software. IIS are one the most popular global goods software examples.

Reading specifications. Since this is an entire report on the immunization systems, you can skim through the following sections: methodology (pg 1), the framework (pg 11-20), and focus your reading on the initial challenge areas (pg 21-47). The remainder of the report can be skimmed.

Answer the following questions in 250 words each:

1. Based on the findings of the report, what are the major challenges in developing an immunization registry for rural India?
2. Why is unique identification and locating children important for an Immunization Information System?
3. What problems can arise with the use of a paper-based immunization registry?
4. What kind of reports can be generated and made easily accessible with the implementation of IIS?