
PREETI MAAN

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Required Skills:

No preference

Preferred Team Communications:

Conference Call, to be discussed

Data Sources:

FHIR and CDS Hooks, to Be discussed.

Other Items:

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

Team Info:

Needs a Developer, Analyst, DBA and QA. Allows one team of 4-6 members.

SCREENING RECOMMENDOR FOR CHLAMYDIA AND GONORRHEA IN WOMEN

According to U.S. Department of Health and Human Services, Centers for Disease Control and Prevention and Chlamydia and gonorrhea are the most commonly reported sexually transmitted infections (STIs) in the United States. Chlamydial and gonococcal infections in women can lead to pelvic inflammatory disease (PID) and its associated complications, such as ectopic pregnancy, infertility, and chronic pelvic pain.

It is found that age is a strong predictor of risk for chlamydial and gonococcal infections while other factors contributing to risk include variable sex partners, inconsistent condom use, exchanging sex for money or drugs. Risk is also high for incarcerated populations, military recruits, and patients receiving care at public STI clinics.

The objective is to build a tool that recommend screening for Chlamydia and Gonorrhea in sexually active women age 24 years and younger and in older women who are at increased risk for infection.

PROJECT OBJECTIVES

Calculate the risk of Chlamydia and gonorrhea in the person and recommend screening in case of high risk based on input factors like age, sexual history, economic status, occupation, geographic location, etc of the person.

The secondary objective would be to use the result of positive results based on recommendations to identify specific geographic locations and communities at increased risk of these diseases.

SUCCESSFUL PROJECT

The application can provide recommendation for Chlamydia and gonorrhea for patients with high risk, based on associated factors.

Intellectual Property: None