DxTreat
Delivering Clinical Intelligence

OVERVIEW

DxTreat's sexually transmitted infection screening (STI) tool is a software program that collects the sexual history, assesses individual risk, and recommends risk-based testing, treatments, and vaccines. It is built on DxTreat medical protocol modeling technology and follows Centers for Disease Control and Prevention (CDC) guidelines as well as guidance from experts in the field. The STI screening tool has been vetted extensively and used in clinics since February of 2017. It is ready for deployment.

Clinical Interventions

Tests
- HIV, including testing frequency.
- Syphilis.
- GC/CT: Urine, rectal, pharyngeal.
- Hep A/B/C.
- Herpes simplex.
- Trichomoniasis.
- Pregnancy.

Treatments
- PEP candidates.
- PrEP candidates.
- Empiric treatments for GC/CT and syphilis.

Vaccines
- Hep A/B.
- HPV.
- Mening.

Medically Accurate & Adaptive Questioning

The tool is intended to be medically accurate, asking only the necessary questions based on patient responses, and recommending the necessary interventions.

Patient versus Clinician Interfaces

The clinician interface is optimized for clinical decision-making with color-coded patient responses and best-practice recommendations. Patient interface is optimized for education, risk reduction, and clear next steps in receiving care.

Settings: Home and Clinic

In clinic use. The patient completes the STI screening while in the waiting room on a desktop or mobile device. Patient data and recommendations can be emailed to the clinician and/or electronic medical records (EMR).

At home use. The patient accesses the tool at home via either the clinic's website or the patient portal. The tools informs the patient of the recommended tests, vaccinations, and treatments.

EMR Integration

The tool automatically generates EMR notes, in both text and HL7, from patient-entered data. The notes can be integrated into any EMR.

Patient Privacy

The tool currently does not collect any protected health info (PHI) and can be used in a completely anonymous fashion.

Customization

DxTreat allows clinics to add additional messages to the outputs, and do some customization of the protocols, for example adding additional screenings in cases of outbreaks.

Analytics and Reporting

Clinic managers can choose to have regular reports emailed to them showing the usage of the tool.

Benefits

Patient engagement and access. Patients will be more engaged in their care as they are better educated, and can access care from any web-enabled device.

Streamlined data collection and clinical decision-making. The care will be standardized, and kept updated with the latest recommendations. The system can also be updated in near real time in response to changing clinical scenarios (for instance, a disease outbreak).

Reduced burden of documentation. The software collects the patient history and transcribes it into a standard medical note. This can be edited and physical exam findings added.

Company

DxTreat is built around facilitating collaboration between highly trained computer scientists and physicians serving the needs of patients first and clinicians second. It is committed to being a responsible player in healthcare, and creating software that lowers cost, improves quality and access, and enhances patient empowerment and engagement.

Family of Topics

DxTreat is working on a whole family of topics, including those related to STI screening such as PEP, and those needed in a PCP setting such as influenza and sore throat. By establishing a relationship with DxTreat, a clinic can benefit from all these topics.