

Researchers provide compelling evidence for multiple STI-detecting device

September 10 2018



Credit: CC0 Public Domain

Using mathematical modelling, researchers within the Applied Diagnostics Research and Evaluation Unit at the university concluded that a bespoke point-of care diagnostic device could significantly reduce

the number of return clinical visits and the average time-to-cure from about a week to one day.

The research team were working with Aquarius Population Health on the project.

At present, sexual health clinics assess arriving patients with a questionnaire. After symptoms are examined by a clinician, 'presumptive treatment' is given, usually antibiotics, on the basis of an initial diagnosis. However, until lab results are returned, there is no way of knowing if that diagnosis is correct.

Professor Tariq Sadiq of St George's explained: "A multiple STI test [device](#) is all about enabling specific treatment for the correct infection. The device that is being proposed would be a 4 pathogen test, for Chlamydia, Gonorrhoea, Trichomonas vaginalis and Mycoplasma genitalium. According to our research not only would this cut treatment time, it would almost halve the existing rates of onward transmission to partners."

The device is in early phases of development by Atlas Genetics Limited, following a grant from from Innovate UK via the Small Business Research Initiative. Innovate grants are given to small businesses to encourage collaboration with academic researchers.

Provided by St. George's University of London

Citation: Researchers provide compelling evidence for multiple STI-detecting device (2018, September 10) retrieved 28 April 2024 from <https://medicalxpress.com/news/2018-09-compelling-evidence-multiple-sti-detecting-device.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private

study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.