

Panel 3

Innovations in HIV Testing and Linkage to and Engagement in Care

Moderator:

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LONDON

FAST-TRACK CITIES 2019

SEPTEMBER 8-11, 2019 | BARBICAN CENTRE

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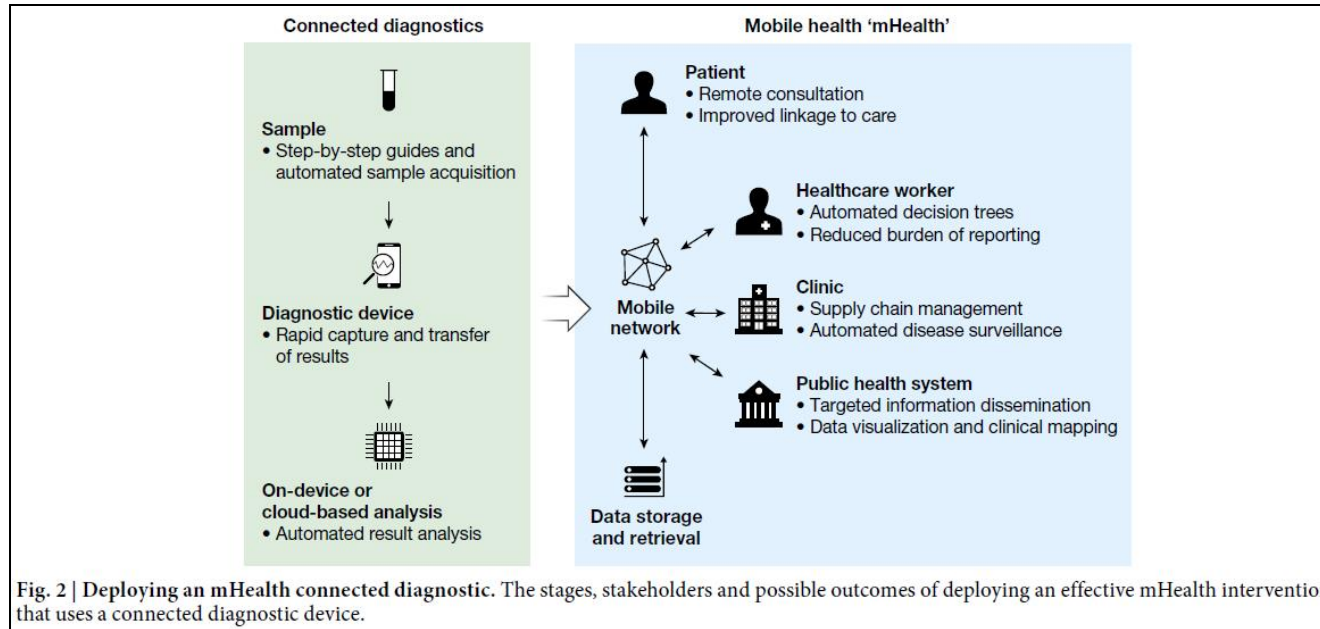


IN PARTNERSHIP WITH:



Taking connected mobile-health diagnostics of infectious diseases to the field

Christopher S. Wood^{1,2,3,4,11}, Michael R. Thomas^{1,2,3,11}, Jobie Budd⁵, Tivani P. Mashamba-Thompson⁶, Kobus Herbst⁷, Deenan Pillay^{7,8}, Rosanna W. Peeling⁹, Anne M. Johnson¹⁰, Rachel A. McKendry⁵ & Molly M. Stevens^{1,2,3,4*}





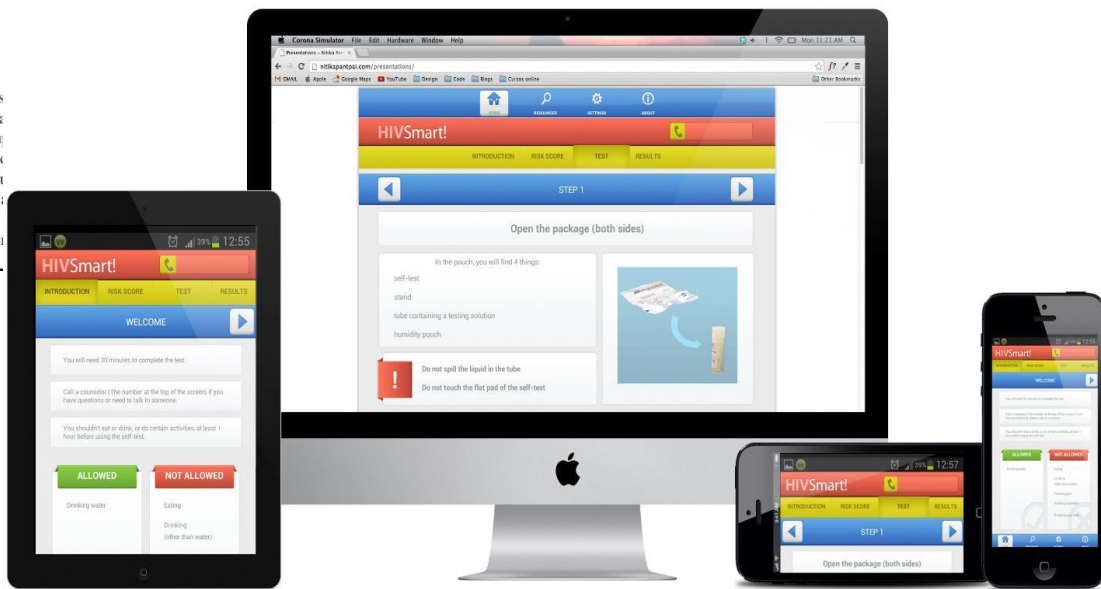
Alone But Supported: A Qualitative Study of an HIV Self-testing App in an Observational Cohort Study in South Africa

Ricky Janssen¹ · Nora Engel¹ · Aliasgar Esmail² · Suzette Oelofse² · Anja Krumeich¹ · Keertan Dheda^{2,3} · Nitika Pant Pai⁴

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Abstract

HIV self-testing has the potential to improve test access during and after HIV self-testing. We investigated an orca tion to see if and how it provided counselling and su was nested within an ongoing observational cohort stu study participants and study staff using 33 semi-struct The app provided information and guidance while also the strategy gave participants more control in choosing smartphone access and usability issues for older and ru in expanding test access in South Africa.



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ERIC TOPOL, M.D.

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HOW ARTIFICIAL
INTELLIGENCE
CAN MAKE
HEALTHCARE
HUMAN AGAIN

ERIC TOPOL

With a foreword by
ABRAHAM VERGHESE,
author of *Cutting for Nine*



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REVIEW ARTICLE

FRONTIERS IN MEDICINE

Machine Learning in Medicine

Alvin Rajkomar, M.D., Jeffrey Dean, Ph.D., and Isaac Kohane, M.D., Ph.D.

A 49-year-old patient notices a painless rash on his shoulder but does not seek care. Months later, his wife asks him to see a doctor, who diagnoses a seborrheic keratosis. Later, when the patient undergoes a screening colonoscopy, a nurse notices a dark macule on his shoulder and advises him to have it evaluated. One month later, the patient sees a dermatologist, who obtains a biopsy specimen of the lesion. The findings reveal a noncancerous pigmented lesion. Still concerned, the dermatologist requests a second reading of the biopsy specimen, and invasive melanoma is diagnosed. An oncologist initiates treatment with systemic chemotherapy. A physician friend asks the patient why he is not receiving immunotherapy.

Panelists

- **Eve Plenel** (*Towards an AIDS-Free Paris, Paris, France*)
 - Estimating HIV Coverage in Paris to Shape an Adequate HIV Testing Policy
- **Patricie Mukangarambe** (*City of Kigali, Kigali, Rwanda*)
 - Introducing and Scaling-Up HIV Self-Testing in Kigali
- **Sofoklis Chanos** (*Positive Voice, Athens, Greece*)
 - Community-Based HIV Testing: The Athens Checkpoint Experience
- **Miguel Pedrola** (*AIDS Healthcare Foundation, Buenos Aires, Argentina*)
 - Key Population-Led Health Services to Optimize HIV Testing and Linkage to Care