



## POCT OF INFECTIOUS DISEASES


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## TOPICS




- Small handheld PoCT devices
- Larger Bench-Top PoCT devices
- Emerging PoCT technologies



## POCT: POINT-OF-CARE TESTING

- o A rapid diagnostic assay that can be performed close to a patient, with the result used to facilitate management of that patient<sup>1</sup>
- o Any test that can be performed rapidly outside of a central laboratory environment (including home testing) even when the result might not directly impact on the patient outcome<sup>2</sup>


Kost GJ. Philadelphia 2002  
Moore C. J Hosp Infect 2013



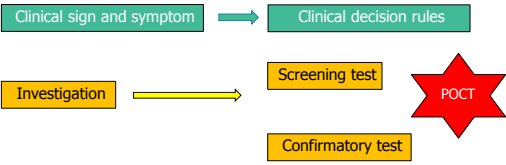

## ASSURED GUIDELINES BY WHO

- o Affordable - for those at risk of infection
- o Sensitive – minimal false negatives
- o Specific – minimal false positives
- o User-friendly – minimal steps to carry out test
- o Rapid & Robust - short turnaround time and no need for refrigerated storage
- o Equipment – free – no complex equipment
- o Delivered – to end users

Peeling RW. Sex Transm Infect 2006



## DIAGNOSIS

## TYPES OF POCT TECHNOLOGY

01 Small handheld PoCT devices	02 Larger Bench-Top PoCT devices	03 Emerging PoCT technologies
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