

Il check point di Dean Street a Londra. Un modello anche per gli Istituti Penitenziari?

*James Beckett, 03/10/2019
SIMSPE Congress*



Dean Street Express



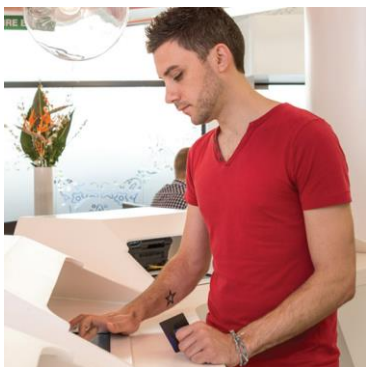
Disclosures

Invited by the conference to speak with
accommodation supported.

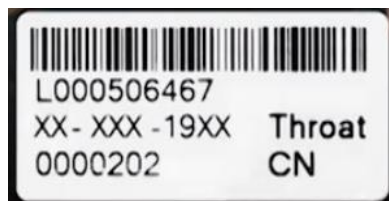
What is Dean Street Express?



A guided tour



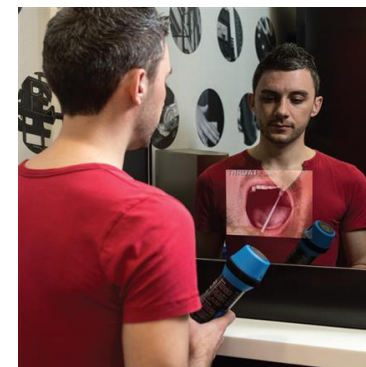
Check in & history



Automated ordering



Given screening pack



Video guided self sampling



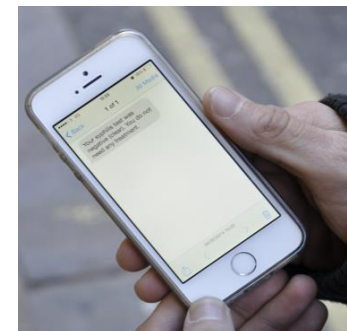
No lost samples



Scan and place in
Cepheid Infinity
machine



Text to confirm correct
mobile



Automated results

Stakeholder design

1. User focused; designed by users for optimal experience
2. Efficient; lean principles used throughout
3. Designed to minimize errors



Incorporating user feedback

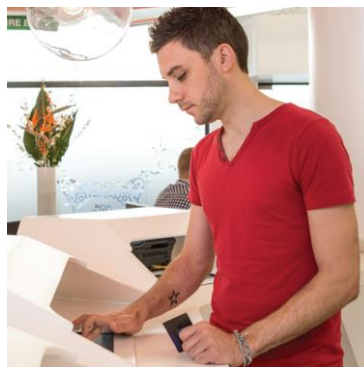
- Trial touchscreens
- Questionnaires
- User satisfaction



Efficiency



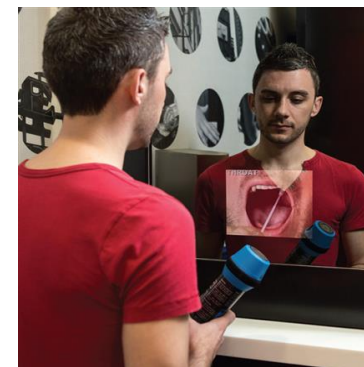
Skill mix



Check in & history



Automated ordering



Self sampling



Reduced packaging & transportation



World first. Patient to machine in seconds

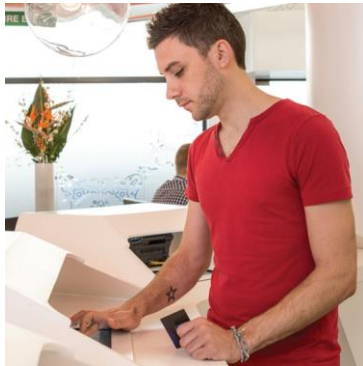


Automated results and information

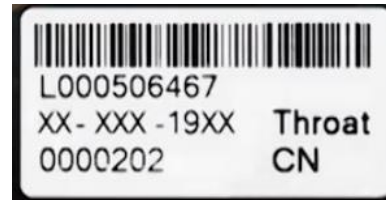


Online booking for treatment

Reducing Errors



Eliminate transcribing errors



Automated ordering



Second details check



Validated sampling



No lost samples

Reducing Errors



Scan and place in Infinity



Built in confirmatory check



Text to confirm correct mobile

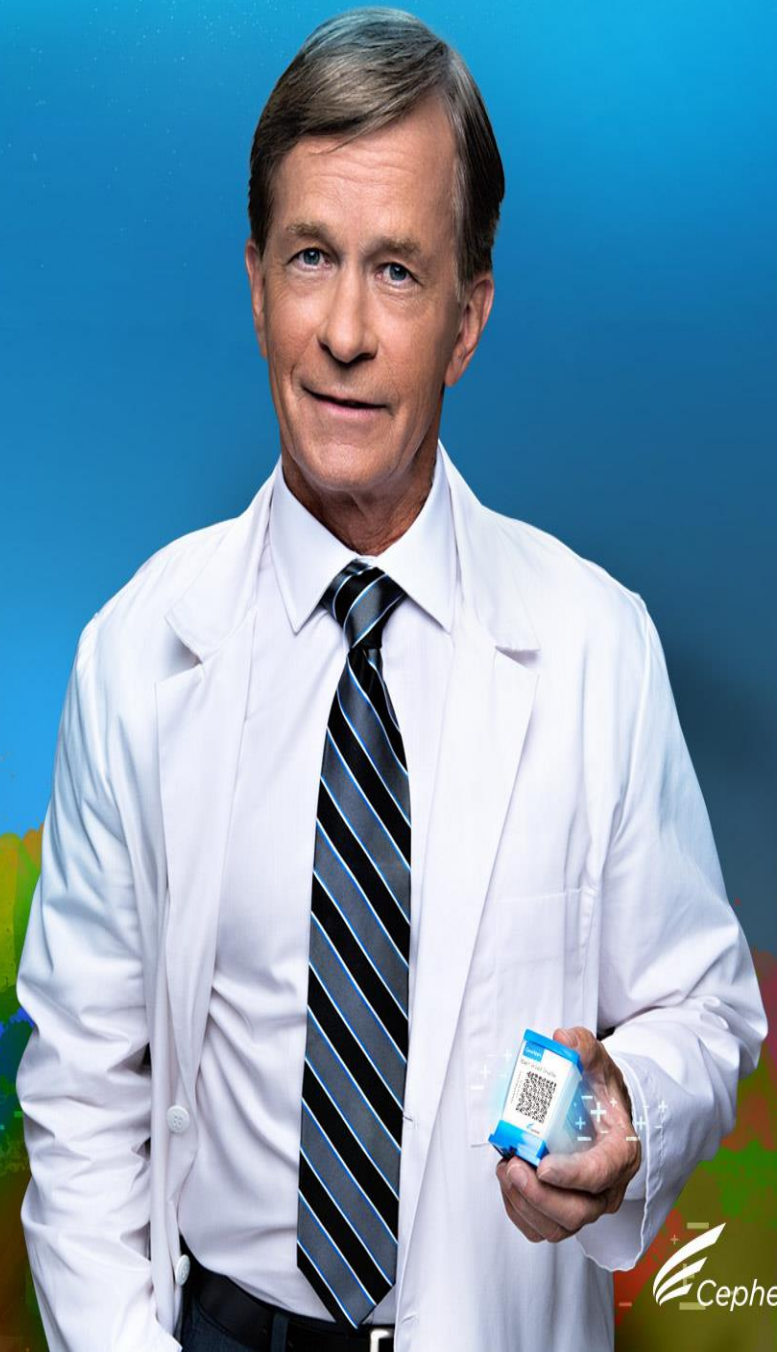


Automated results



Daily results summary

How do we know if the clinic has been successful?



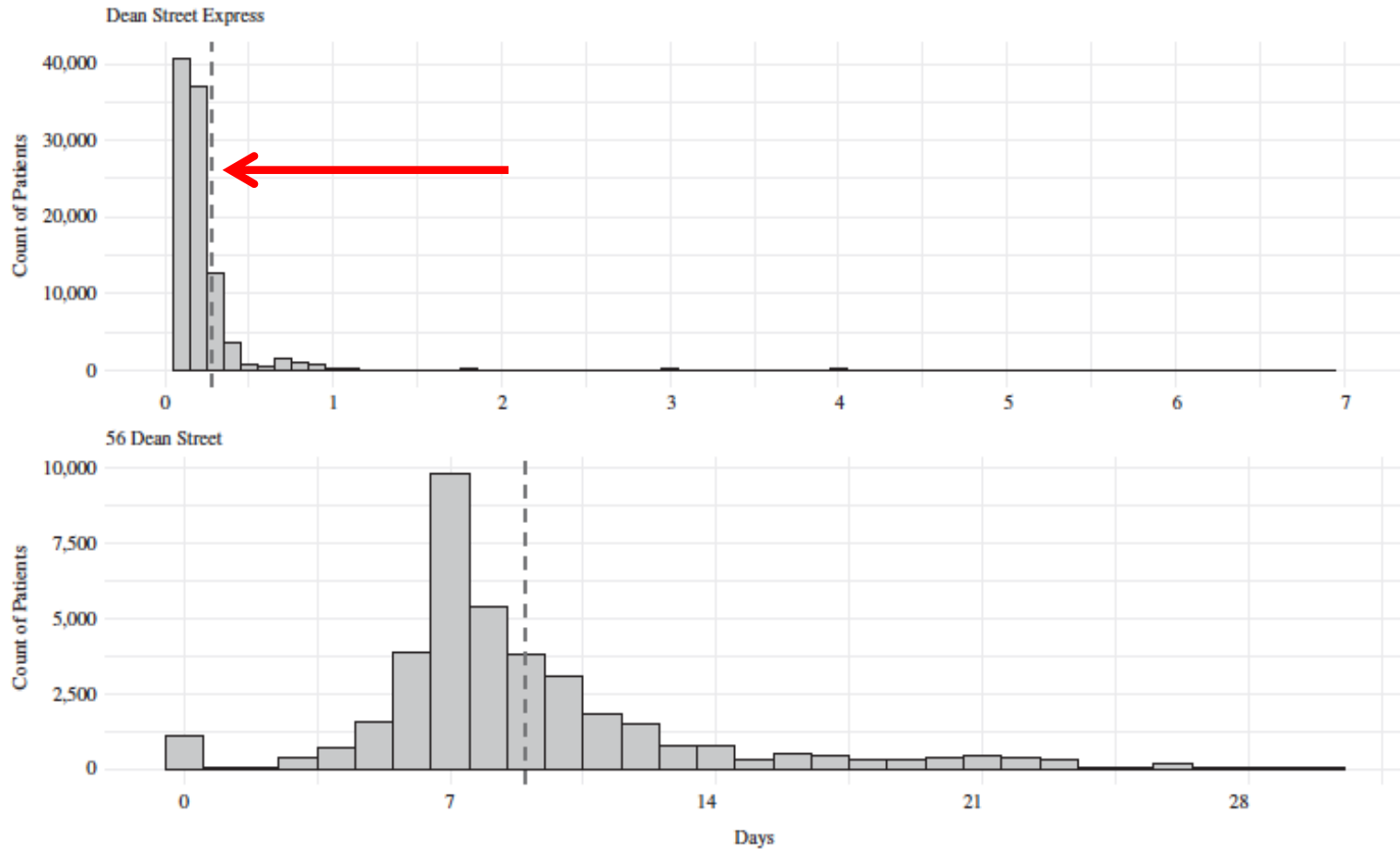
Less waiting & shorter visits

	Pre Express	Post Express
Appointment	Up to 3 weeks	None
Visit length	2hrs	32 min

Faster results, quicker treatment

Time from testing to ...	Pre Express	Post Express
Results	183 hours	4 hours
Treatment	238 hours	48 hours

Faster results



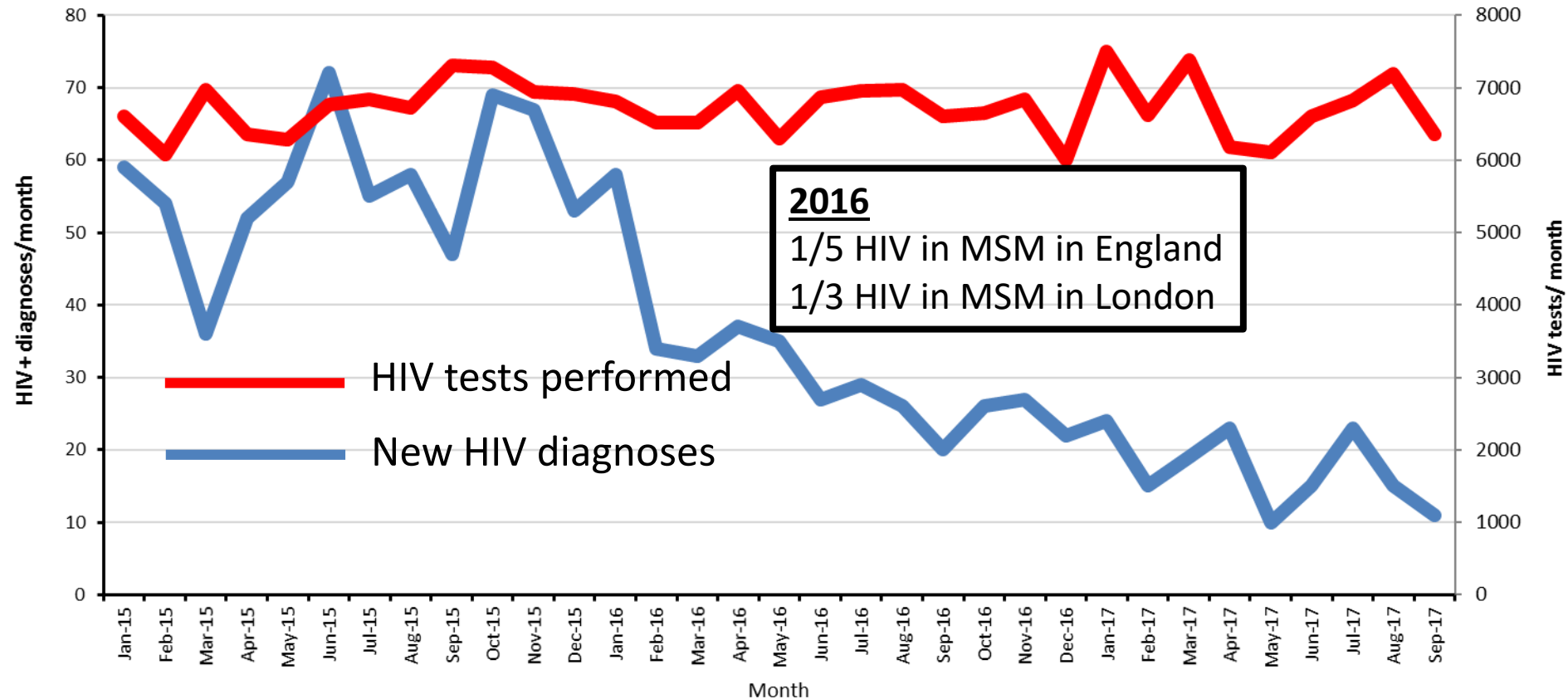
Whitlock G et al. *Rapid testing and treatment for sexually transmitted infections improve patient care and yield public health benefits* IJSA 29(5): 474-482 (2018)

Reducing onward transmission

Reduction in time to treatment	Average number partners
190 hours	0.5

For every two people diagnosed with an infection, one partner was spared exposure.

HIV tests & diagnoses, MSM, 56 DS



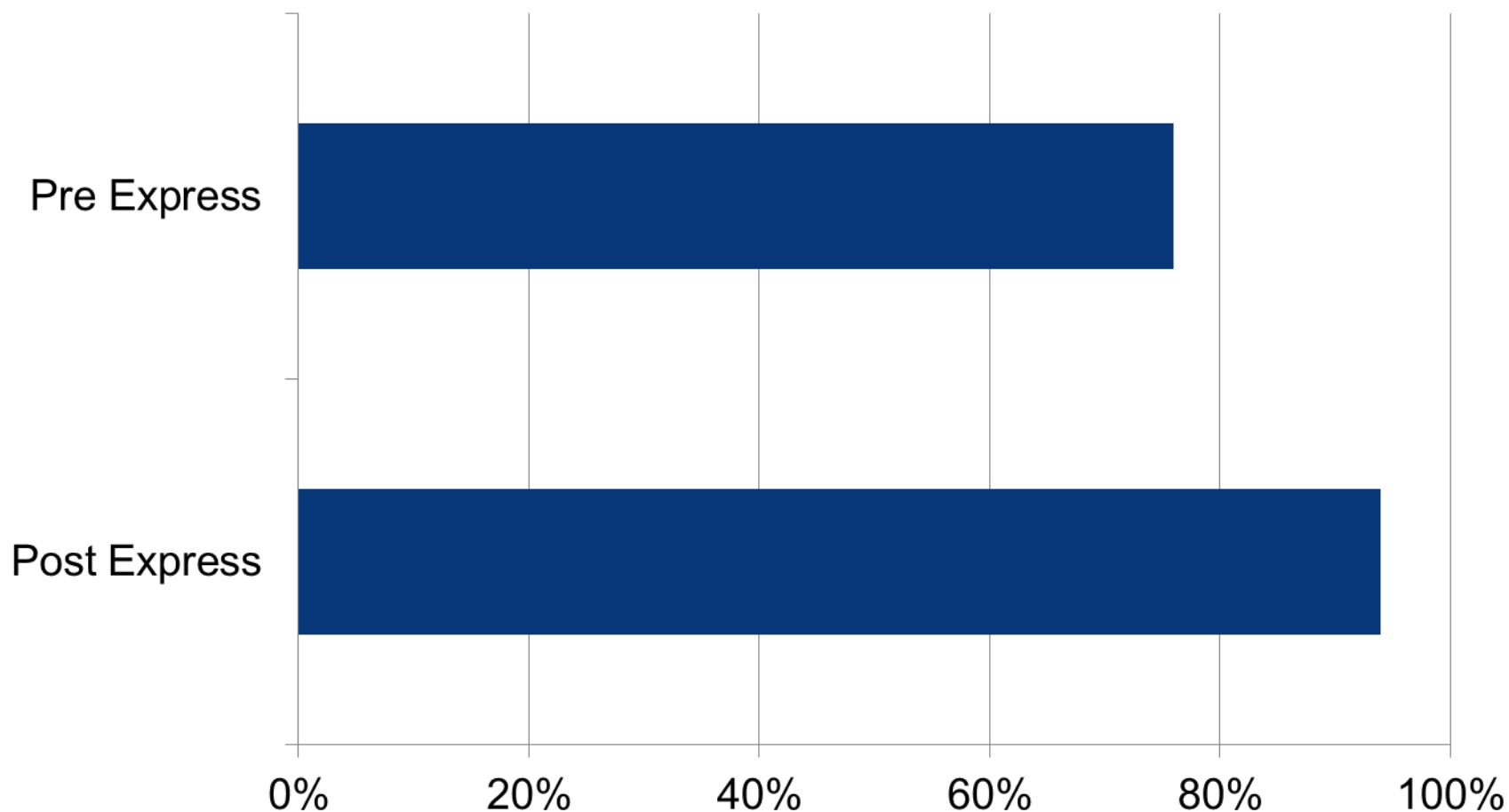
Nwokolo N et al. *Rapidly declining HIV infection in MSM in central London*. 4: e482-483 (2017)

Reduction in antibiotics given


	2016 (n = 40)	2017 (n = 40)	2018 (n = 40)
Age (yrs; median [range])	25 [16–37]	25 [18–56]	26 [16–63]
Female	19 (47.5%)	14 (35%)	17 (42.5%)
Attending within 14 days of contact with index (in window period “WP”)	22 (55%)	29 (72.5%)	29 (72.5%)
In WP and offered treatment	22/22 (100%)	29/29 (100%)	29/29 (100%)
Outside WP and offered treatment	18/18 (100%)	6/11 (54.5%)	3/11 (27.3%)
In WP and treated	22/22 (100%)	24/29 (82.8%)	29/29 (100%)
Outside WP and treated	18/18 (100%)	6/11 (54.5%)	3/11 (27.3%)
Time to results (days; median [range])	7 [5–12]	0 [0–1]	0 [0–1]
Outside WP, treated, and chlamydia test negative	12/18	4/6	2/3


Dhoot et al. *Improving antibiotic stewardship in contacts of chlamydia: the benefit of near patient molecular diagnostics. Poster presentation (P123) BASHH conference, Birmingham, UK (2019)*

Rated 'Excellent' by 94% of users



ALL ACTIVITY
REVIEWS
FANS
CHECKINS


TerryE29 gave this place ★★★★★
Making a Molehill out of a Mountain
 Like most gay men, I know the importance of being tested regularly and I, like many others, find it really daunting each time I am done. However, I was really surprised how stress-free and almost pleasurable my first visit to DSE was. The reception is bright and colourful and someone was on hand to show me the terminals and explain how to register. All of the awkward questions were answered by pressing a button rather than talking and, once registered I was handed my test kit and went off to a nicely apportioned room where a helpful video guided me through taking the samples and swabs I needed. My specimens disappeared through a vacuum tube to be analysed while I went downstairs for the finger and blood tests. Here, once again a pleasant surprise awaited as one of the friendliest people I've ever met came and took me into her office for the tests. She explained everything that was happening and was a very calming influence on me as we did the necessary. We had a brief talk about things and, although the message was pretty obvious, at no point did I feel I was being lectured or patronised. The HIV result was pretty much instantaneous and the rest of the results were texted to me within a few hours. This was a great experience and whether its your first ever test or you are a veteran then DSE is to my mind definitely the place I would recommend.

 First to Review
 Apr 29 at 2:47pm ·


Amy Marks


★★★★★ reviewed in the last week
 This place is magical. Scrupulously clean, incredible high-tech facilities, ridiculously efficient and staffed by truly awesome people. I got my sexual health results texted to me within a couple of hours. Go and get an STD test, friends! You deserve it!


 Tweet


Sophie Collard
 @sophontrack

@LondonLive @56deanstreet Is the best sexual health clinic I've ever visited - all of them should be like it. Brilliant stuff.

3:54 PM · 23 Jun 14

2 RETWEETS 1 FAVORITE







 Tweet


John Munro
 @JohnPeterMunro

@ayestotheright @56deanstreet and Dean Street Express are the best bar none. Quick, effieicnt. A model of best practice @jonwillchambers

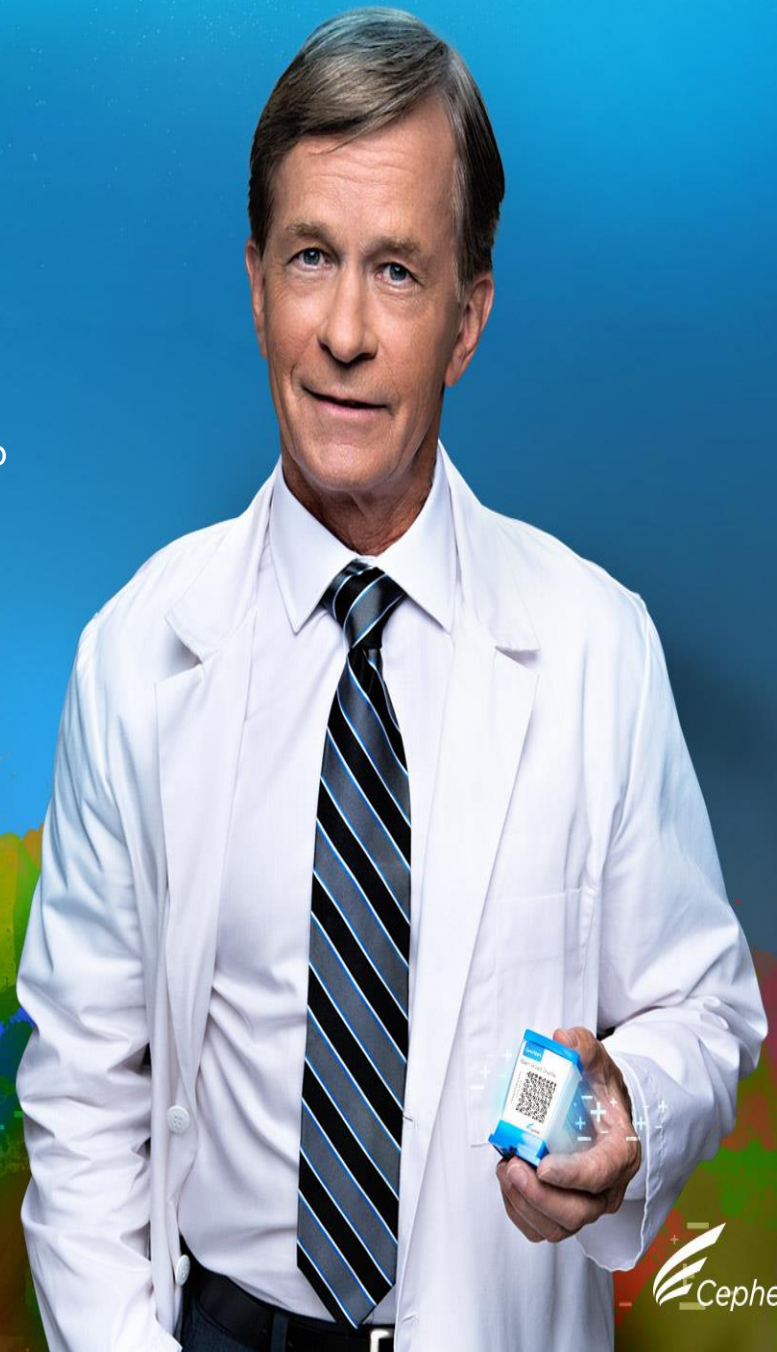
11:40 AM · 16 May 14

1 RETWEET - 1 FAVORITE






How can you fund the clinic in different countries and what are the key benefits?



State reimbursed through tariff arrangement

- Work with insurers/ state payers to know where the areas of high risk are.
Adequate reimbursement is not always a reality, especially for screening and we have to make the case why it is so important to decision makers
- Can the commissioner or payer provide the capital if you can develop a self sustaining ongoing model?
- Develop an attractive environment – ‘it looks like a private clinic’ & Demonstrate the public health benefits, patient experience benefits and the reduction in transmission to secure continued funding despite the potential increase in cost
- If it is in your power, negotiate hard but reasonably on the tariff!

Non-state reimbursed

- Scope whether this is a unique offer within your city/town or whether there is disposable income to pay for a high quality service
- Do you need investors ? This can be done at a **relatively low capital outlay**
- **Extremely low cost base** compared to other sexual health services means your pricing will be competitive and margins higher
- Automate reminder texts to develop **repeat customers and brand loyalty**
- Look to partner with **an organisation** who can deal with positive results and can have the infrastructure to do so

Block contract funding

- Reduce your staffing pressure through the **automation** aspects of the Express model
- Significantly **increase your numbers** who you are able to see within the block contract
- Allow the appropriate staff to focus more clearly on the complex and more challenging work
- Challenge the **block funders to support you with capital** and then increase the block given the exceptional value for money delivered
- Emphasise the **lack of financial risk** to the funder despite the improvements

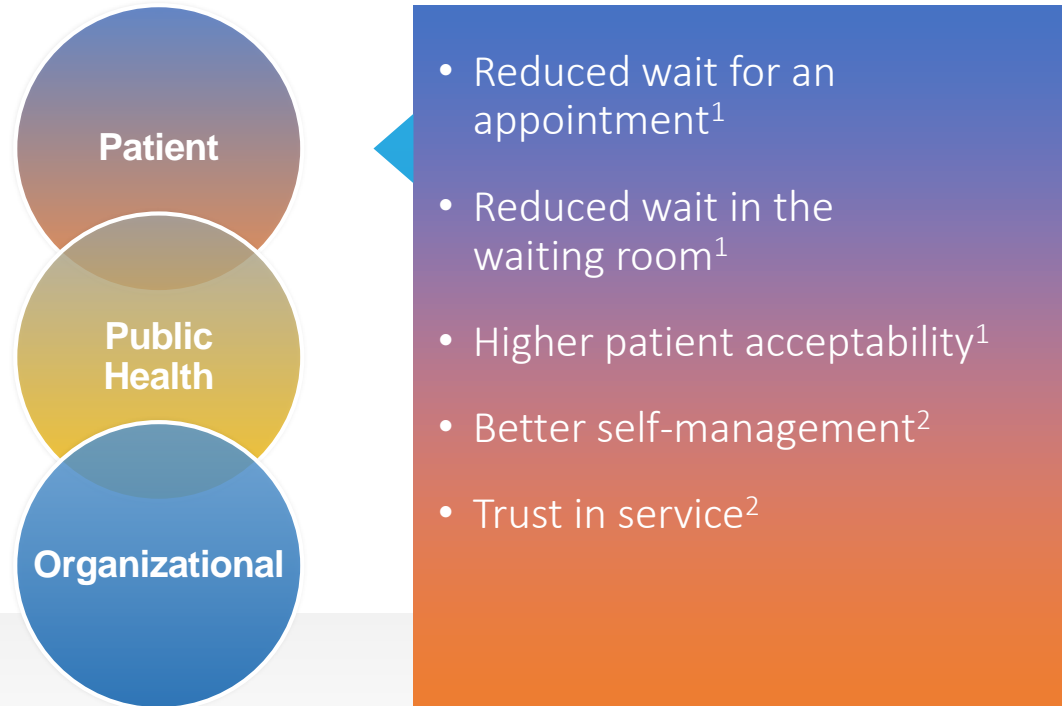
Public health benefits

Annual savings attributable to reduced
number of partner attendances

£124,000

Whitlock G et al. *Rapid testing and treatment for sexually transmitted infections improve patient care and yield public health benefits* IJSA 29(5): 474-482 (2018)

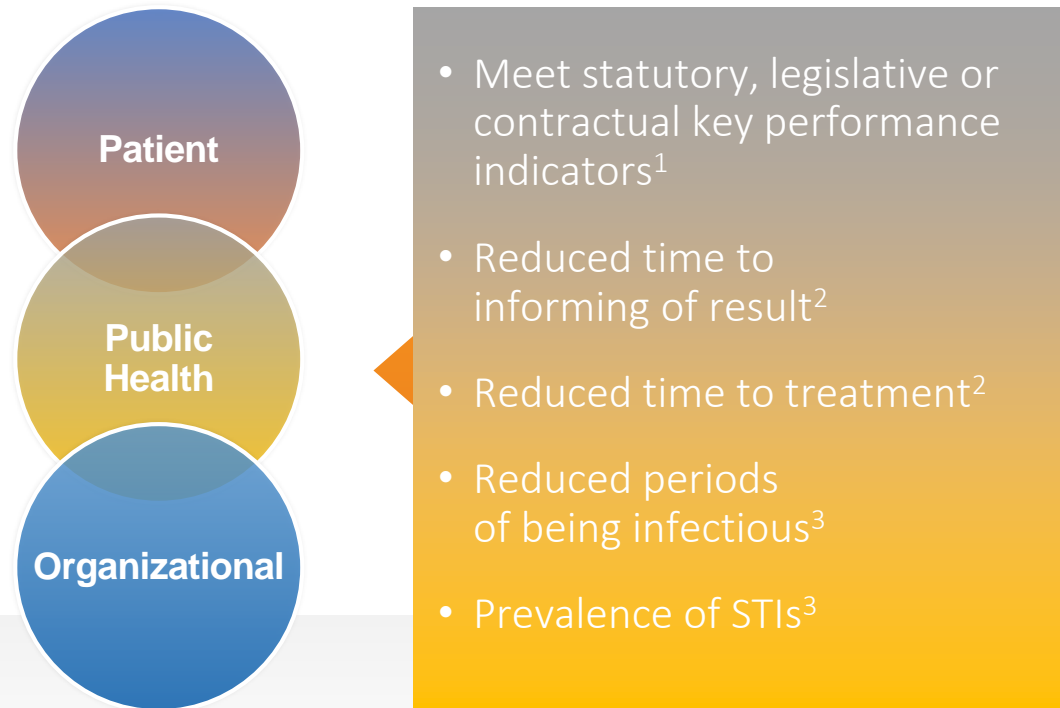
Benefits of an Express Clinic Model



¹McOwan et al. Internal Chelsea and Westminster Trust presentation, London VIP event (2016)

²National Patient Safety Congress and Awards, Birmingham

Benefits of an Express Clinic Model



¹Beckett J. Internal Chelsea and Westminster Trust presentation, VIP event London (2016)

²McOwan et al. Internal Chelsea and Westminster Trust presentation, VIP event London (2016)

³Whitlock G, et al. Reasons for transferring HIV care in London. Int J STD AIDS. 2017 Dec;28(14):1447-1449. <https://www.ncbi.nlm.nih.gov/pubmed/28509659>

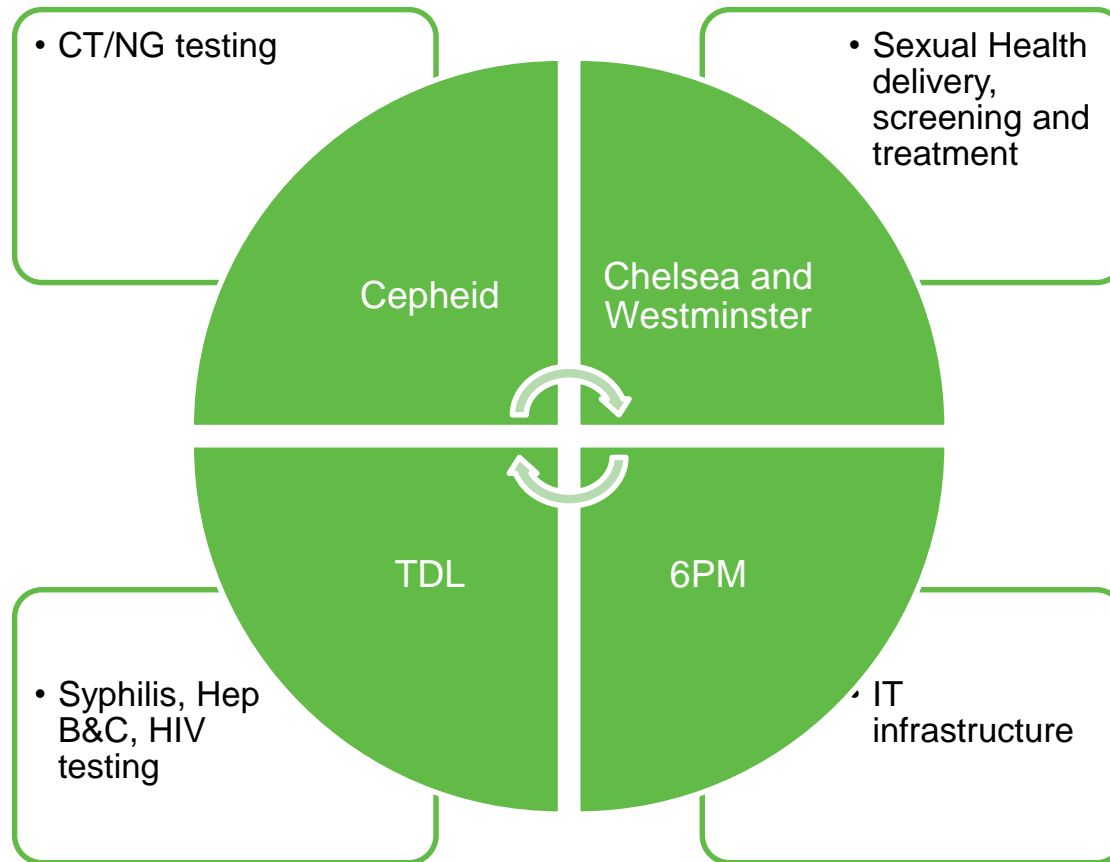
Benefits of an Express Clinic Model



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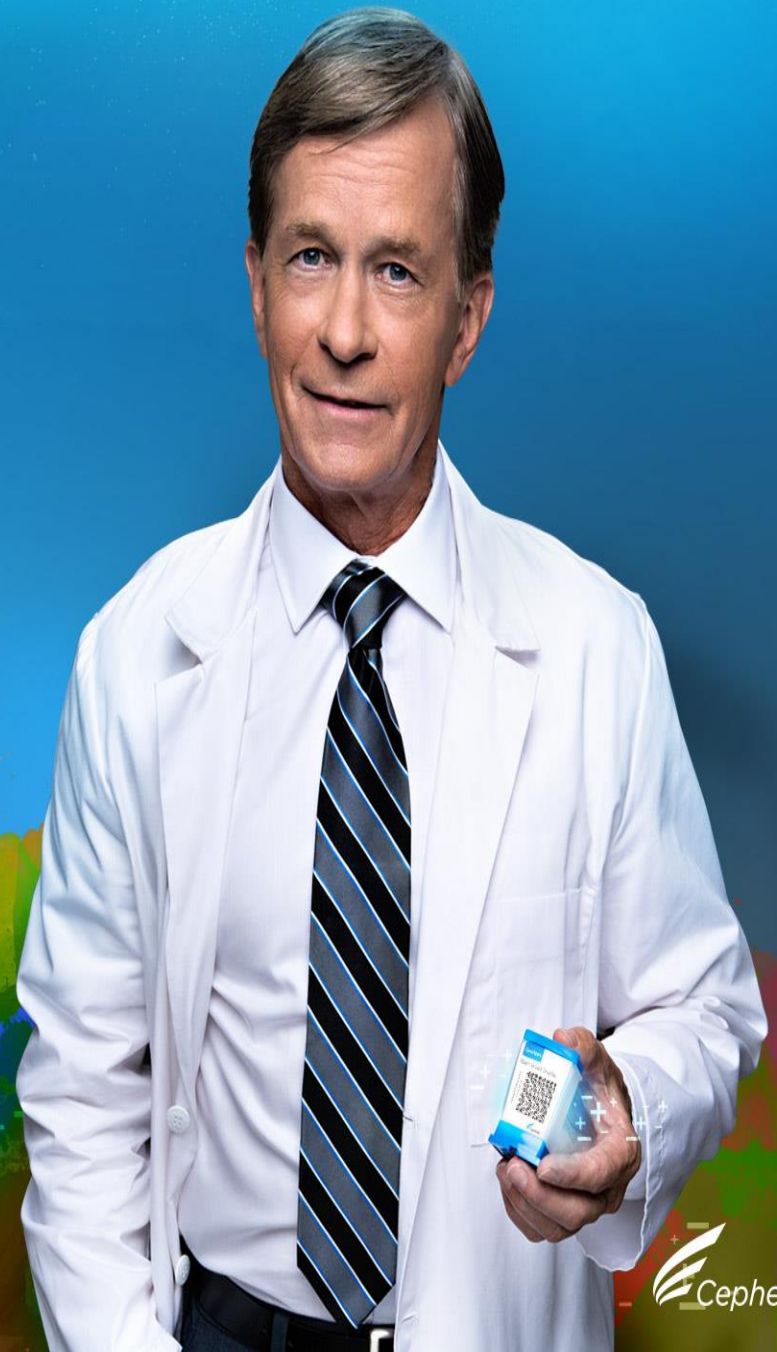
Four key players in setting up the model



Wider impact

- National & worldwide interest
- Roll out
- Today programme
- Public Health England
- Parliament

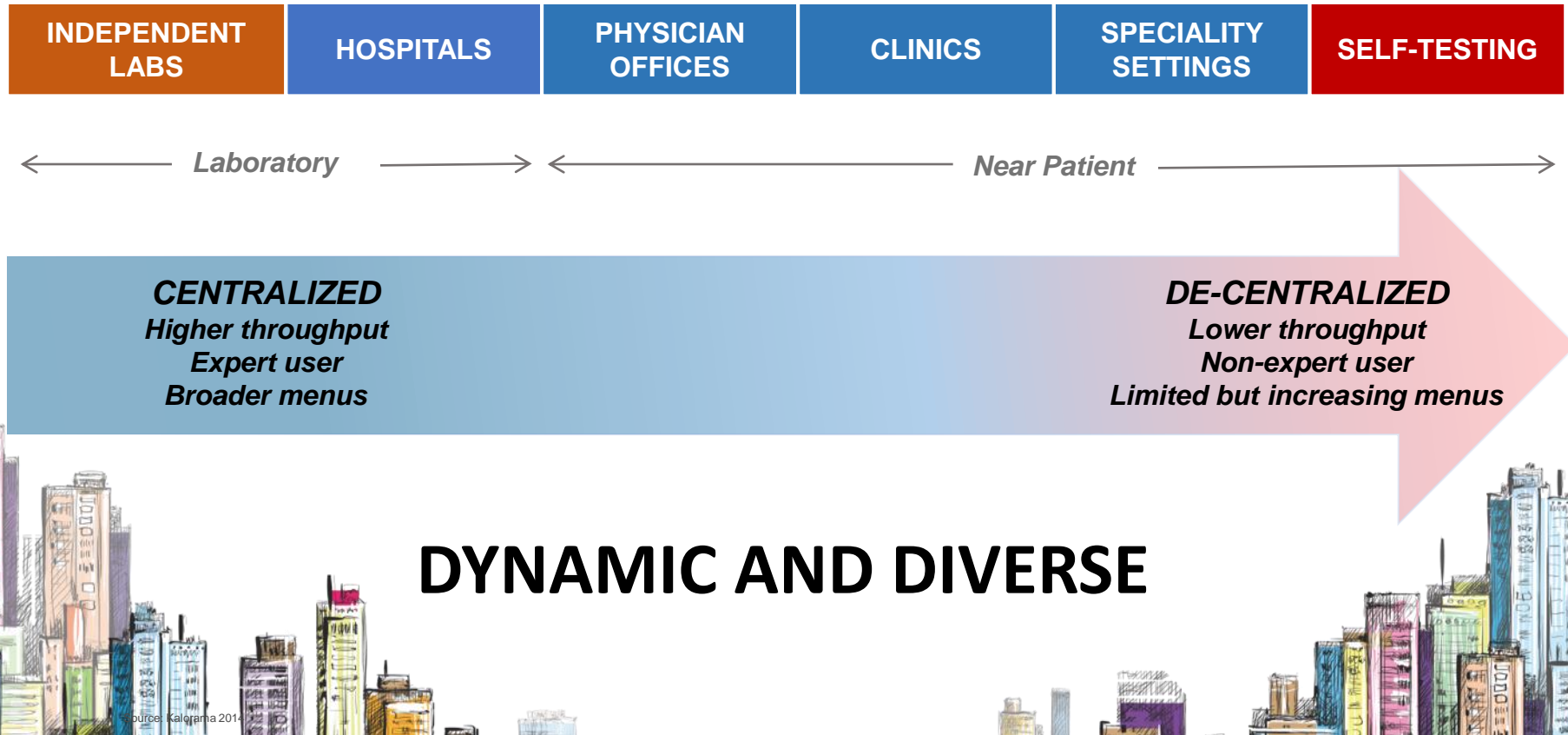
How can Dean Street Express give us
lessons for the prison setting?



Similarities between Sexual Health clinic and prisons

- Testing for infectious diseases and Sexually Transmitted infections
- Services that are not usually well supported financially but have a passionate and committed workforce
- Vulnerable patients that are often not treated with respect by society who really need our help
- Challenge the 'normal approach' and make politicians stand up and support a model that works
- Rapid results and treatment can make a huge difference in keeping patient engaged in care

Shifting Settings of Testing



Molecular Testing: *Made Easy with Xpert*



Fast

Identification in ~ 90 mins

Accurate

Demonstrated performance

Easy

<2 mins hands-on time

Same cartridge format for all tests
Basic grade staff requirements: Lab & POC

SITES



UK – ODN (Operational Delivery Network) Doncaster



FRANCE - Hotel Dieu, Paris



FRANCE - Hospital Civil de Lyon, Lyon



SPAIN - OpenArms Foundation



PORTUGAL - Checkpoint Lx, Lisboa



ITALY - Hospital Ospedale S. Paolo, Milano



ROMANIA - E-Detect TB, Bucharest

Testing on Vatican Square

Tor Vergata, Vatican, Rome, Italy

Background

- Testing for HCV as part of World Poverty week
- Event arranged by the Vatican authorities
- Working in conjunction with Tor Vergata Hospital

What were the results?

- Xpert® HCV VL Fingerstick, Xpert® HIV-1 Qual, Xpert® MTB/RIF Ultra
- 5 positive results confirmed using GeneXpert
- A positive HIV result
- Antibody positive result not confirmed with RNA



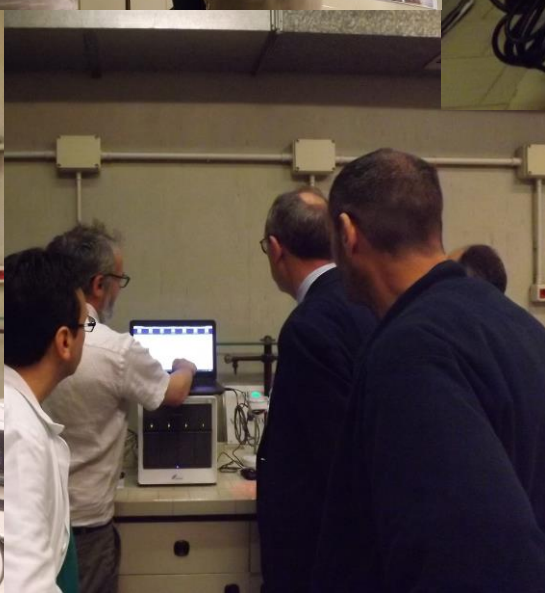
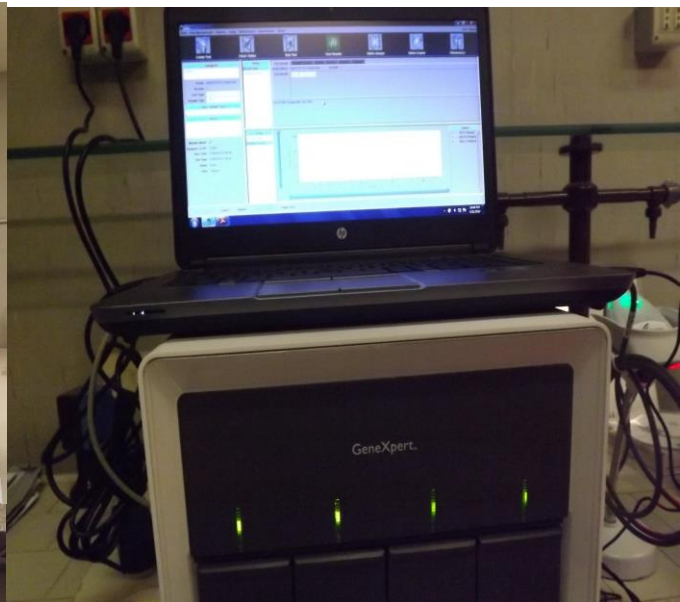
CE-IVD. In Vitro Diagnostic Medical Device. Not all products available in all countries.

Prison setting – can it work

NHS England have procured systems to create an Express service for HCV testing across the country



Testing in 30 prisons across the United Kingdom for Hepatitis C with the goal of elimination by 2030.



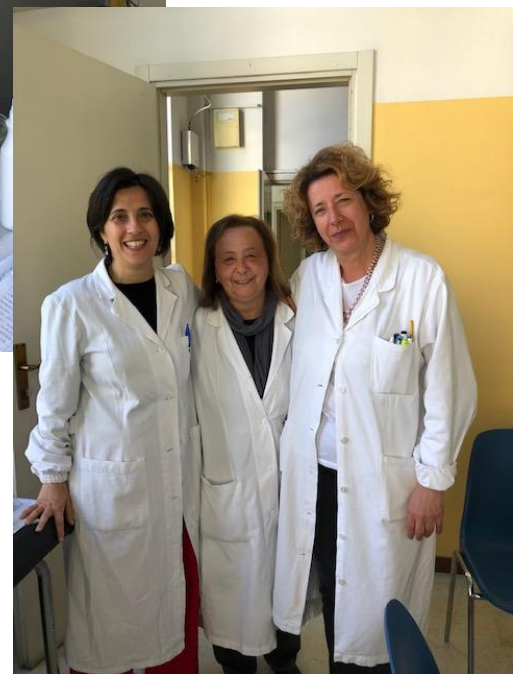
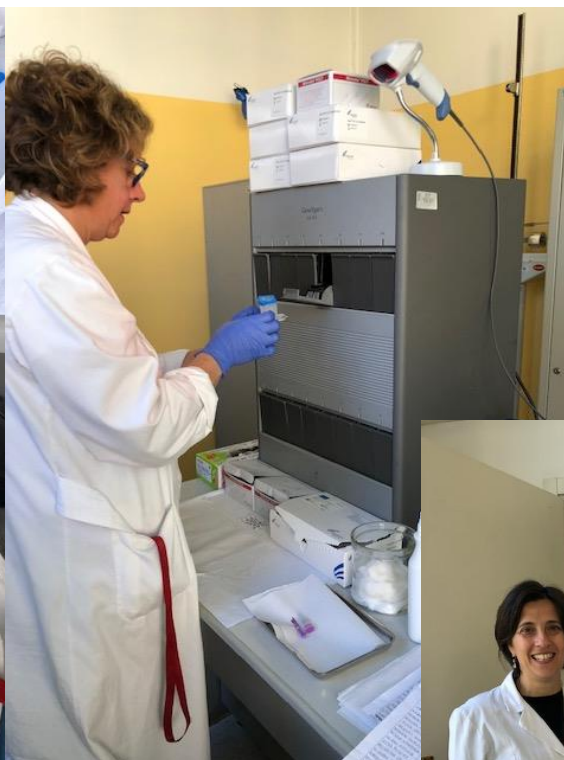
CEPHEID Testing week - Prison

- **SITE:** Prison San Vittore Milan
- HCV FS → 65 test → 1 pos

Outcome: project to build up Checkpoint within the prison

Note: #enabling access to molecular diagnostic testing everywhere



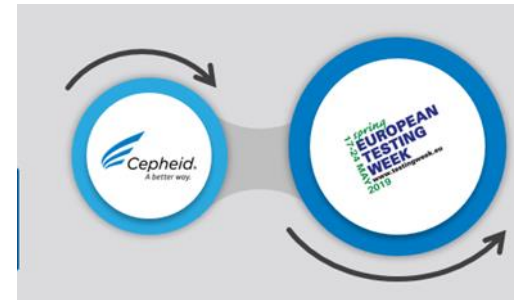


CEPHEID Testing week

- **SITE:** PWID center Via Forze Armate Milan
- HCV FS → 84 test → 23 pos

Outcome: WHO publication

Note: #it's about the patient



Thank you very much for
listening and any questions?

