

***In the midst of chaos...  
there is opportunity***

Sun Tzu - The Art of War



# Accessing care – we come to you







# Peer support



# All welcome





# Low threshold



# Non-invasive



# We're nice to you





# Results on the spot



An iceberg floating in the ocean under a blue sky. The small tip of the iceberg is above the water, while the much larger body is submerged. The text labels are placed on the iceberg: PTB on the tip, and LTBI, HCV, and HIV on the submerged part. To the right of the iceberg, the corresponding prevalence rates are listed.

**PTB**

0.25%

**LTBI**

1:5

**HCV**

1:10

**HIV**

1:100

Aldridge RW, Hayward AC, Hemming S, Yates SK, Ferenando G, Possas L, Garber E, Watson JM, Geretti AM, McHugh TD, Lipman M, Story A. High prevalence of latent tuberculosis and bloodborne virus infection in a homeless population. *Thorax*. 2018 Jun;73(6):557-564

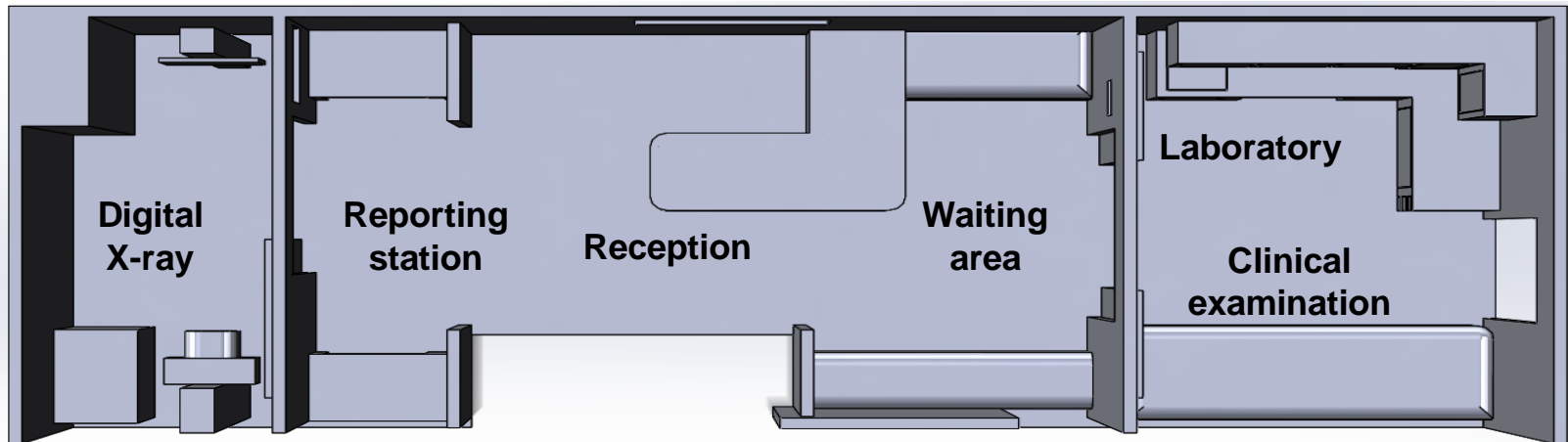
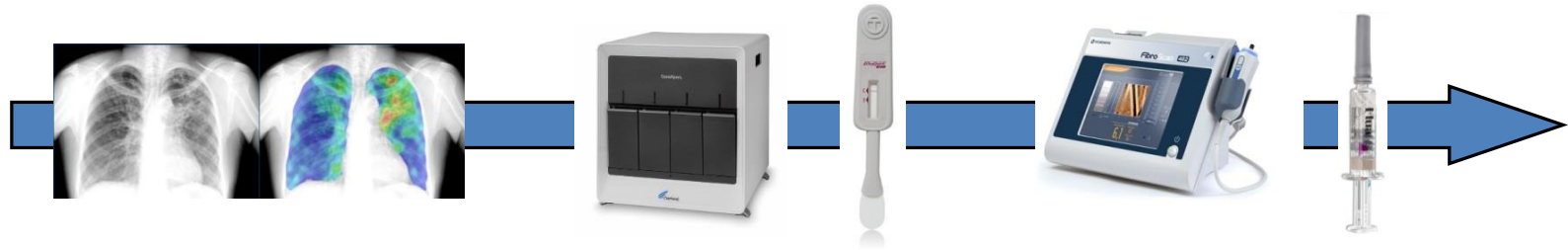
# High prevalence of latent tuberculosis and bloodborne virus infection in a homeless population

Robert W Aldridge,<sup>1,2</sup> Andrew C Hayward,<sup>1,2,3</sup> Sara Hemming,<sup>1,2,4</sup> Susan K Yates,<sup>1,2,4</sup>  
Gloria Ferenando,<sup>1,2,4</sup> Lucia Possas,<sup>1,2,4</sup> Elizabeth Garber,<sup>1,2,4</sup> John M Watson,<sup>1</sup>  
Anna Maria Geretti,<sup>5</sup> Timothy Daniel McHugh,<sup>6</sup> Marc Lipman,<sup>4,7</sup> Alistair Story<sup>8</sup>

- **Strong co-linearity between BBV and TB infection among homeless people**
  - **driven by Opiate and Cocaine Use**
- **17% TB infected – 10% chronic HCV**
  - 29% HCV+ have LTBI / 26% LTBI have HCV
- **1% HIV (5/491 - 3 not Rx engaged)**



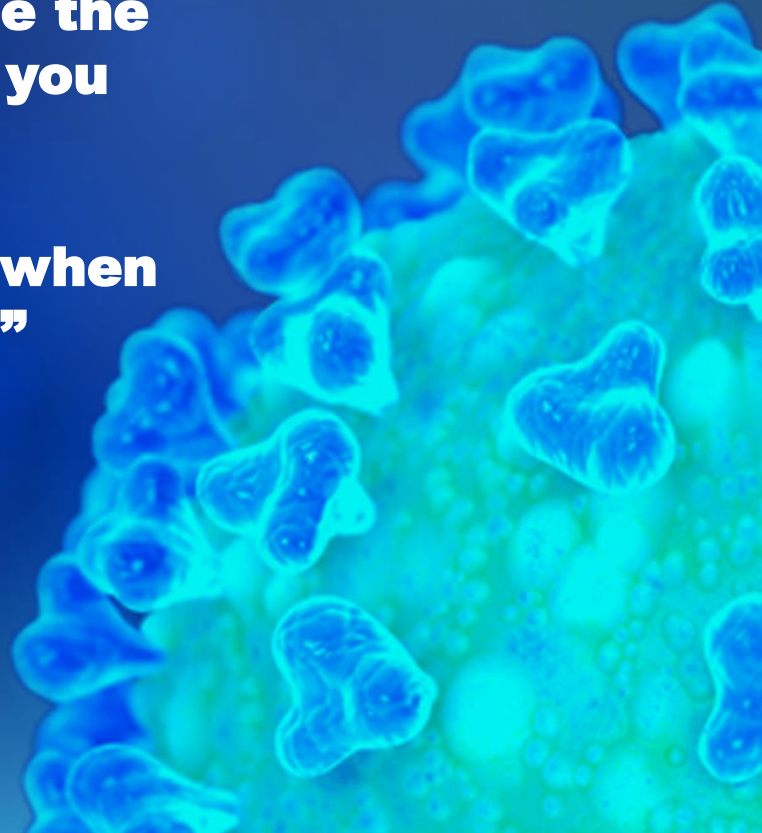
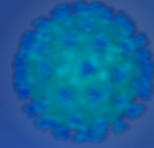
# FIND TREAT Integrated One-stop-shop screening



**“Be fast, have no regrets. You must be the first mover. The virus will always get you if you don’t move quickly,”**

**“Perfection is the enemy of the good when it comes to emergency management,”**

DR. Mike Ryan Executive Director of World  
Health Organization.- 13 Mar 2020



### **January 20th 2020**

The first confirmed cases outside mainland China occurred in Japan, South Korea and Thailand, according to the WHO.

### **January 29th 2020**

The UK's first two patients test positive for Coronavirus after two Chinese nationals from the same family staying at a hotel in York fall ill.

### **February 28th 2020**

UK authorities confirm the first case of the illness to be passed on inside the country.

### **March 4th 2020**

Cases of Covid-19 in the UK increase from 34 cases to 87

### **March 23rd 2020**

**Lockdown (6,650 cases)**





STAY HOME ▶ PROTECT THE NHS ▶ SAVE LIVES

NHS

HM Government

CORONAVIRUS  
STAY HOME. SAVE LIVES.

ANYONE CAN GET IT.  
ANYONE CAN SPREAD IT.

BODY WORLDS

BANK OF AMERICA

Boots

GAP





WORRIED  
SCARED  
PLEASE  
HELP  
ME?

Nothing  
LOVE NO  
MONEY

HOMELESS SELF  
ISOLATION

IMPORTER

Press release

## £3.2 million emergency support for rough sleepers during coronavirus outbreak

Communities Secretary Robert Jenrick announces £3.2 million emergency funding to help rough sleepers to self-isolate.

Published 17 March 2020

From: [Ministry of Housing, Communities & Local Government](#) and [The Rt Hon Robert Jenrick MP](#)

## Ministers asking English councils to house all rough sleepers, says charity

Government also wants all those in hostels and shelters housed by weekend, Crisis says

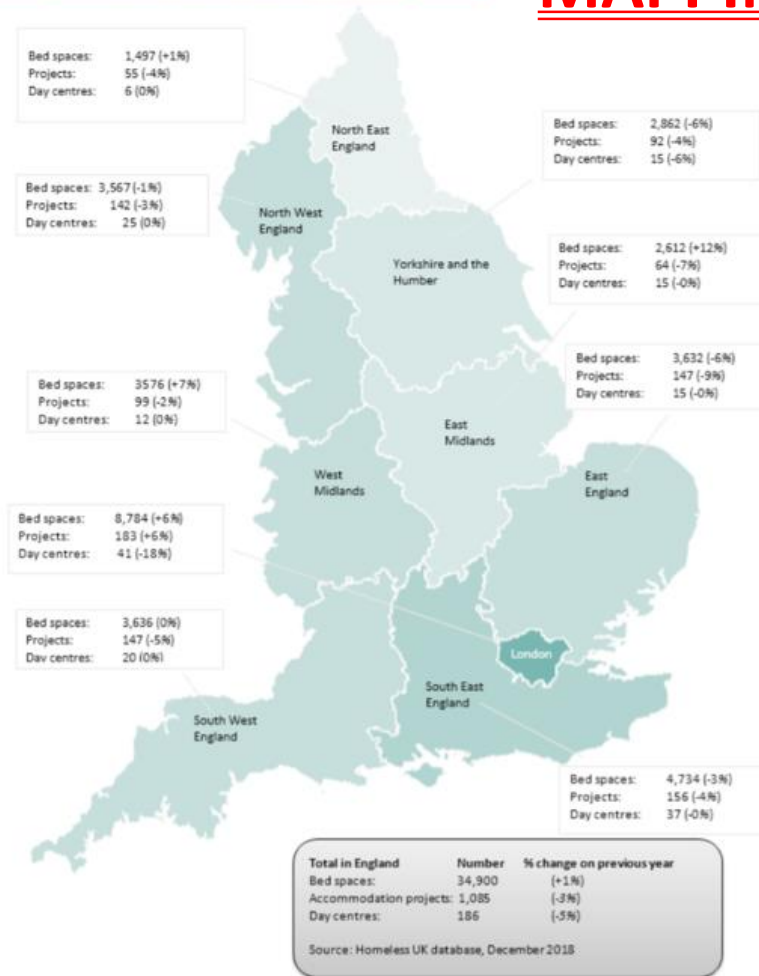
- [Coronavirus - latest updates](#)
- [See all our coronavirus coverage](#)



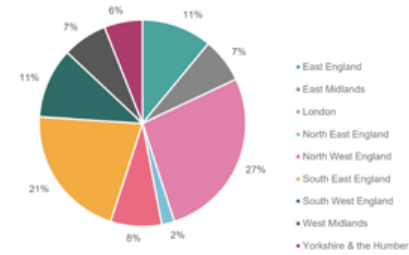


Figure 2: Heat map of bed spaces in England, by region

# MAPPING



Graph 5: Regional percentage of total numbers of rough sleepers 2019



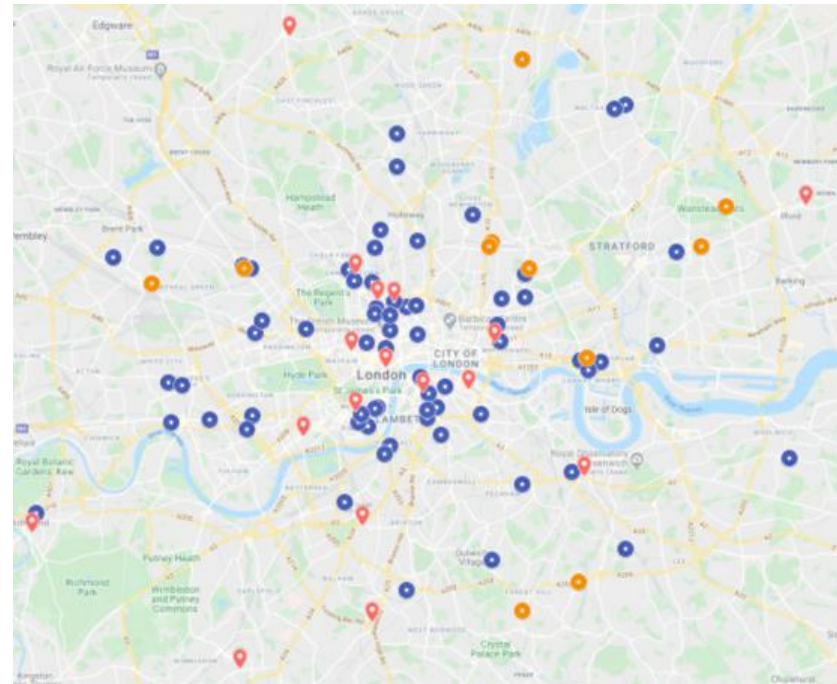
Hostel



Private Hostels



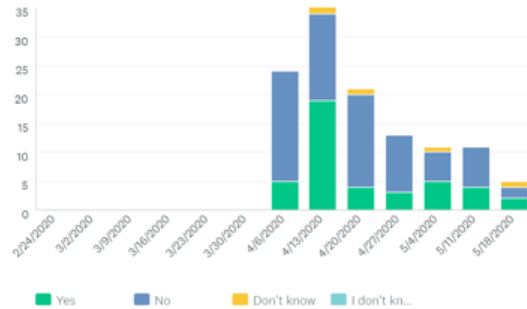
Day Centres



# ACTIVE SURVEILLANCE → OUTREACH OF TESTING AND ADVICE

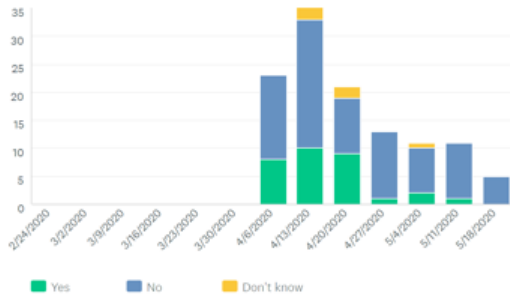
Have any residents developed symptoms of COVID-19 (i.e. a high temperature (or feeling feverish), and/or a new or worsening continuous cough) within the last 14 days?

Answered: 120 Skipped: 33 First: 4/8/2020 Zoom: 2/24/2020 to 5/18/2020



Have any hostel staff developed symptoms of COVID-19 in the last 14 days?

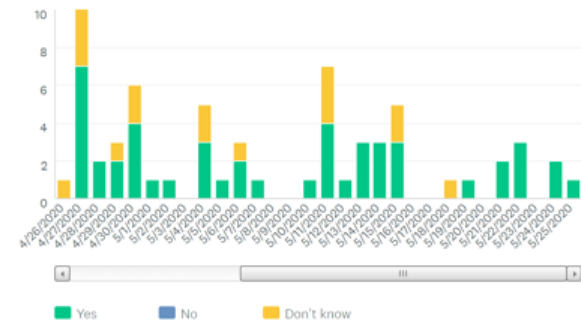
Answered: 119 Skipped: 34 First: 4/8/2020 Zoom: 2/24/2020 to 5/18/2020



158 Venues under active surveillance

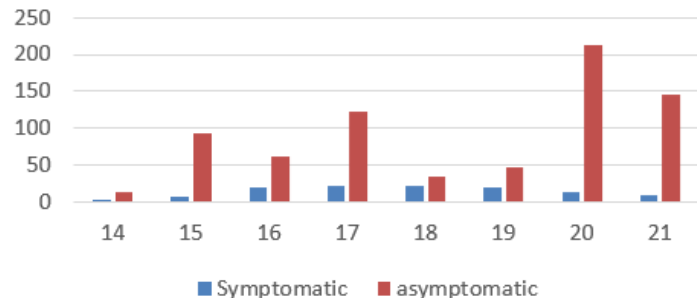
In the last 24 hours have any staff or residents developed symptoms of COVID-19?

Answered: 94 Skipped: 0 First: 4/12/2020 Zoom: 4/26/2020 to 5/25/2020

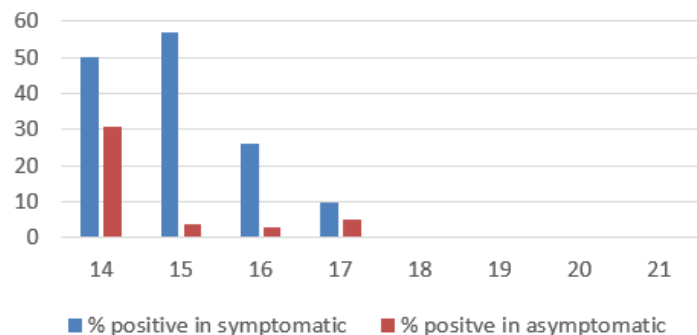


# RESPONSIVE OUTREACH & TESTING → ISOLATION & OBSERVATION

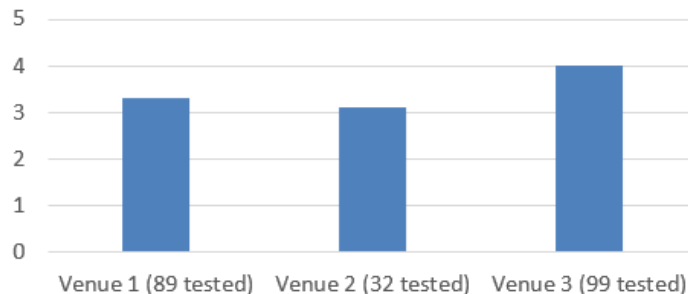
Number tested by week



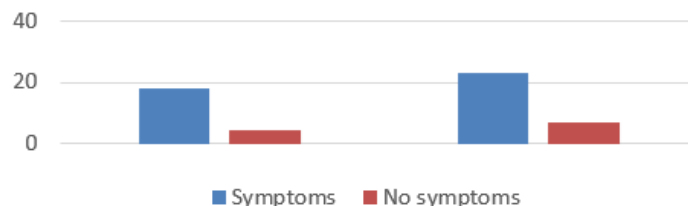
% Testing positive by week



Venues tested in April Percent positive



% COVID positive by setting in April  
3/6 tested from street also COVID +  
ve



3-4% Prevalence

vs. 30-40%  
in USA Hostels

158 venues  
under surveillance

58 venues  
outreach testing

841 Swabs

2 teams  
1 Peer plus 1 HCW  
+ 1 coordinator/  
Data-manager  
Public Health trainee



## How a hotel is stemming the tide of Covid-19 among rough sleepers







Centers for Disease Control and Prevention  
CDC 24/7: Saving Lives, Protecting People™

# Facility layout considerations

Interim Guidance for Homeless Service Providers to Plan and Respond to Coronavirus Disease 2019 (COVID-19)

- For clients with mild respiratory symptoms consistent with COVID-19:
  - **Align mats/beds so clients sleep head-to-toe**



## NEWS

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## Coronavirus: Funding for rough sleepers' emergency scheme to end

16 May 2020



Share

Coronavirus pandemic



# The Guardian

## Fears for homeless as leak suggests rough sleeper funding will end

UK ministry denies money to provide hotel accommodation during Covid-19 crisis will stop

- [Coronavirus - latest updates](#)
- [See all our coronavirus coverage](#)



**SARS-CoV-2 transmission is thought to mostly be via respiratory droplets coming from infected individuals.**

*Lai CC, Shih TP, Ko WC, Tang HJ, Hsueh PR. Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) and coronavirus disease-2019 (COVID-19): the epidemic and the challenges. Int J Antimicrob Agents. 2020; 55105924*

**Submicron droplets (i.e. aerosols), produced during speech and coughing can contain viral particles which can remain viable and infectious in aerosols for 3 hours.**

*van Doremalen N, Bushmaker T, Morris DH et al. Aerosol and surface stability of SARS-CoV-2 as compared with SARS-CoV-1. N Engl J Med. 2020; 382: 1564-1567*

**To suppress the spread of SARS-CoV-2 health-care authorities should consider the recommendation to avoid poorly ventilated public spaces as much as possible.**

*G Aernout Somsen, Cees van Rijn, Stefan Kooij, Reinout A Bem, Daniel Bonn. Small droplet aerosols in poorly ventilated spaces and SARS-CoV-2 transmission. Lancet Resp Med. Published:May 27, 2020DOI:[https://doi.org/10.1016/S2213-2600\(20\)30245-9](https://doi.org/10.1016/S2213-2600(20)30245-9)  
[https://www.thelancet.com/journals/lanres/article/PIIS2213-2600\(20\)30245-9/fulltext](https://www.thelancet.com/journals/lanres/article/PIIS2213-2600(20)30245-9/fulltext)*

# Ministers extend homeless scheme to next year with extra £105m after warnings that thousands of rough sleepers faced being thrown out of hotels as Covid crisis eases

- 15,000 people are said to have been helped and kept off the streets in lockdown
- InterContinental, Travelodge and Best Western hotel groups provided rooms
- Charities St Mungo's is also leading efforts to accommodate rough sleepers

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By [MARTIN ROBINSON](#), CHIEF REPORTER FOR MAILONLINE

**PUBLISHED:** 00:08, 24 June 2020 | **UPDATED:** 09:20, 24 June 2020

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**GOV.UK**



# **C**oV **B**lood **B**orne **V**iruses **S**creening

HIV - spoke with Jane and Jess ✓

HCV - spoke with Graham and Helen ✓

HBV - asked Andrew Hayward ✓

TB (IGRA) - still waiting to for a 'meeting' ✗

# CoV Blood Borne Viruses Screening:

Binta

Rights based healthcare

Social justice

Inclusion: teams and patients

Access to high quality healthcare

# Homeless Hotels

- 15% female
- 30% English is not first language
- 1% transgender
- 17% current drug use, 8% on OST
- 37% mental health issues
- 28% assaulted, 6% sexual assault
- 4% exchanged sex for money



# Setup: Binta

- Collaborations
- Advocacy groups
- Point of care testing



# Set up

## Inclusive testing teams

- health advisors, peers, advocates

## COVID-19

- Reduce transmission



# Set up

## Coordination

- hotels/housing teams
- Testing teams





# Flexibility

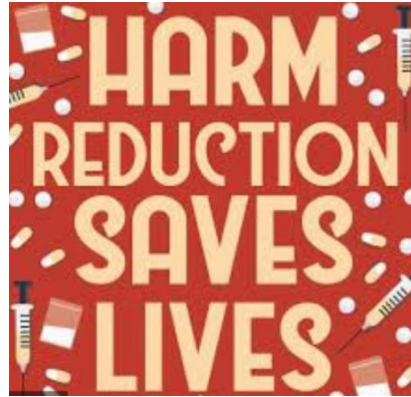


# Testing: Indrajit/Binta

Point of care testing:  
HIV/Syphilis/HCV/HepB  
(Some) STI testing

Information:

- Harm minimisation
- PrEP
- U=U



# Testing: Massimo

- Peer led testing
- Peer support





# Results: Julian

- 451 former rough sleepers screened in 25 different venues since May 15<sup>th</sup> - June 18<sup>th</sup>
  - 14% female mean age 42
  - 76% male mean age 41
- Mean duration homelessness 3.5 years
- 76 different countries of birth
- 33% UK - 28% East Europe - 39% other

# Heroin and Crack

- Ever IDU 53 (12%) - 27 HO needle sharing
  - 23 current PWID (10 report recent needle sharing) 11/23 currently engaged with OST
- 91 (20%) report HO smoking crack/heroin
  - 59 currently smoking crack/heroin (16 also injecting)



# HIV

- 451 engaged with the screening
- 4 recently (?) tested negative
- 28 refused HIV testing
  - 12 of who accepted HCV
- 419 tested for HIV



# HIV

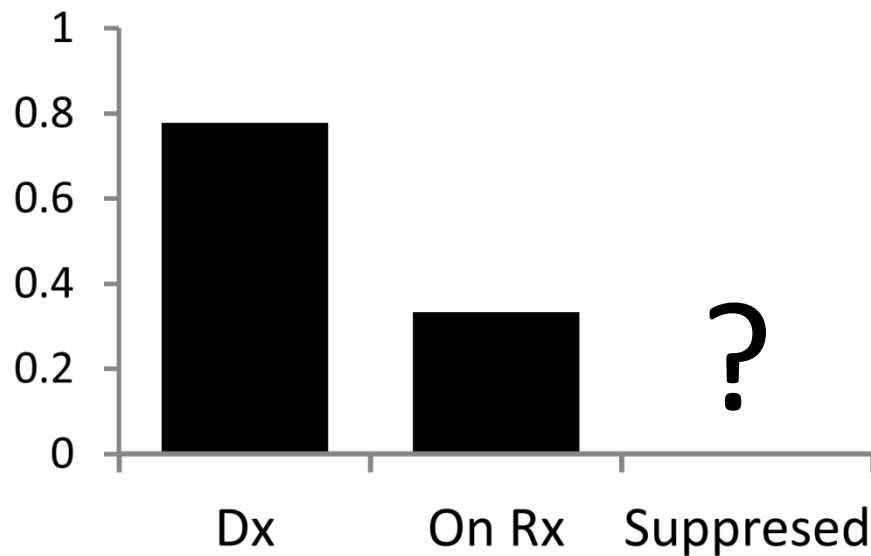
- 9 HIV + (>2%)
  - 8 male / 1 gender not disclosed
  - 2 Hetero/straight - 5 MSM - 1 pansexual
    - 1 not disclosed
  - 1 current / 2 previous PWID





# HIV: Julian & Massimo

- 2 never tested - no Rx
- 3 on Rx
- 4 disengaged - no Rx



# HCV

Same day diagnosis and referral for treatment

>20 HCV RNA+ and referred for treatment

Majority started treatment within days of diagnosis



1



Peer Engagement  
Point of Care HCV Ab

2



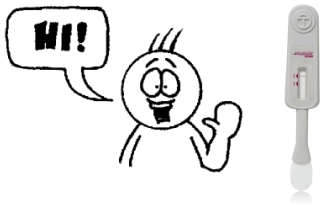
FibroScan  
Stage cirrhosis

# Cost saving @ £10,525 per DAA Rx course

**The cost-effectiveness of an HCV outreach intervention for at-risk populations in London, UK.**

Zoe Ward, Linda Campbell, Julian Surey, Steven Platts, Rachel Glass, Matthew Hickman, Alistair Story, Peter Vickerman. J Antimicrob Chemother. 2019 Nov; 74(Suppl 5): v5–v16. Published online 2019 Nov 29.

1



**Peer Engagement  
Point of Care HCV Ab**

2



**FibroScan  
Stage cirrhosis**

3



**Confirm HCV RNA & VL  
(Capillary Blood)**

4

**Dispense and initiate  
Treatment**

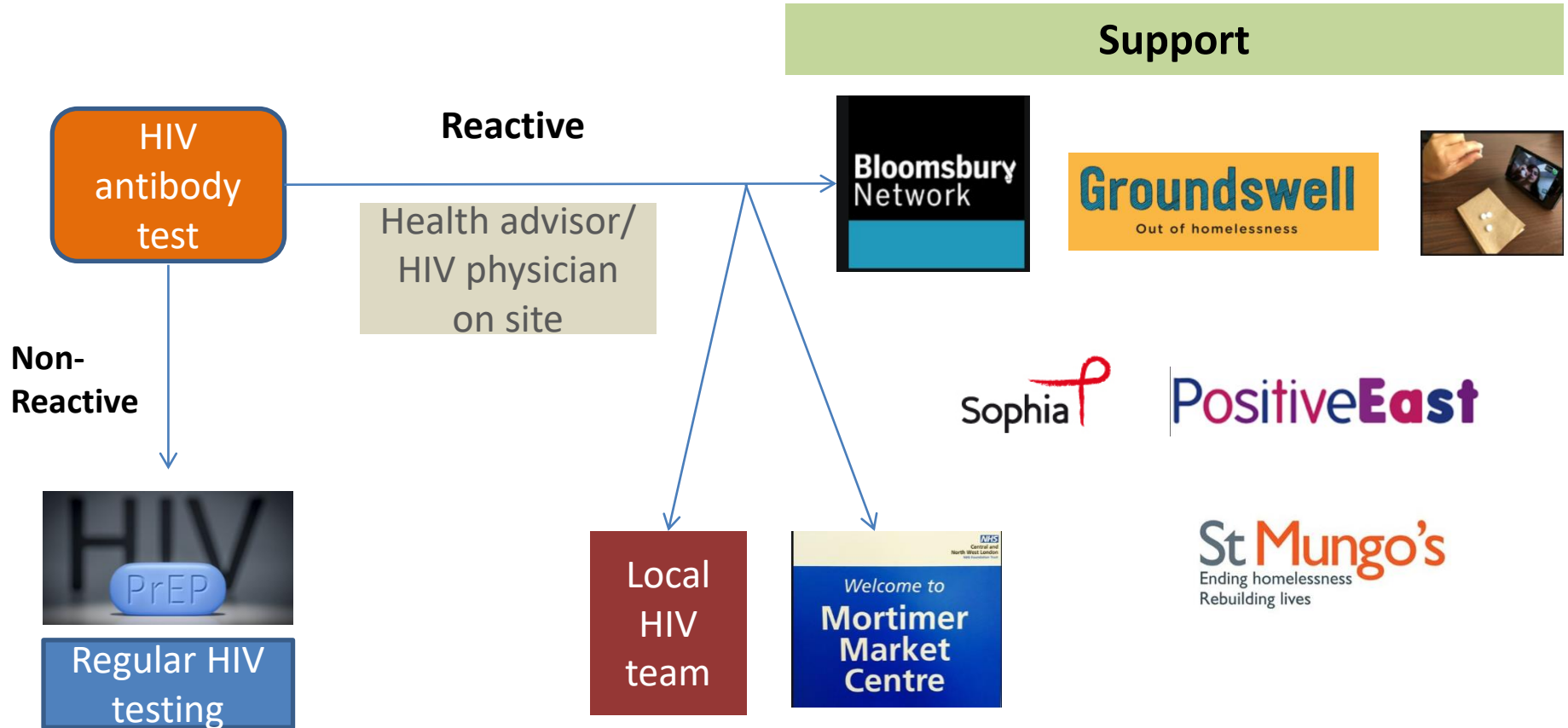




# HIV Patient Pathway: Binta



# Patient Pathway



# Challenges: Making every contact count

## Integrated care and inclusion health:

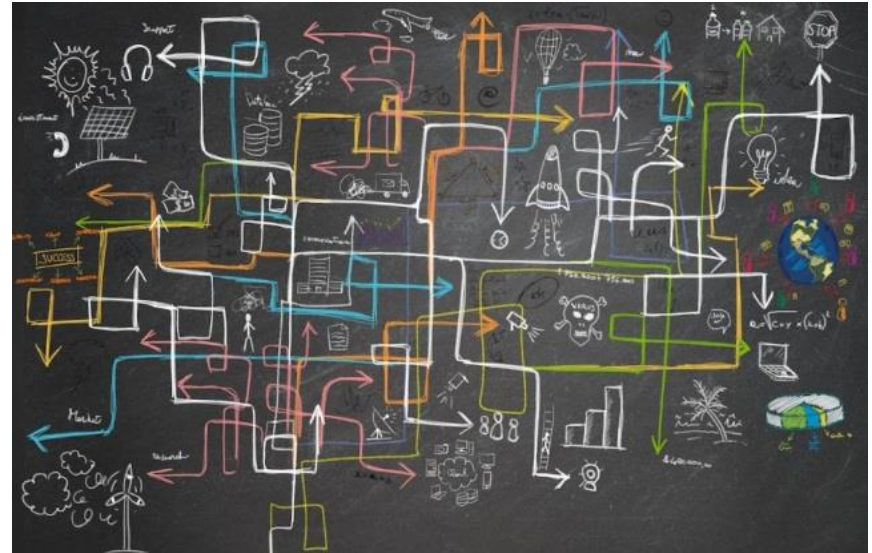
- HCV
- STI
- Reproductive health
- Harm minimisation

## Complexity

- Organisations
- Individuals

## Resources:

Funding to continue



# Opportunities

Treatment support:

- Digital health solutions
- Peer support



Collaborations: bringing HCV  
elimination and Fast Track  
Cities agendas together

Integrated care





# Opportunities

90 : 90 : 90 : 90

Inclusion health populations

## Contact us:

@FindandTreat @ccih

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Julian [j.surey@ucl.ac.uk](mailto:j.surey@ucl.ac.uk)

Patient related enquiries [UCLH.bbv@nhs.net](mailto:UCLH.bbv@nhs.net)



Collaborative  
Centre for  
Inclusion  
Health