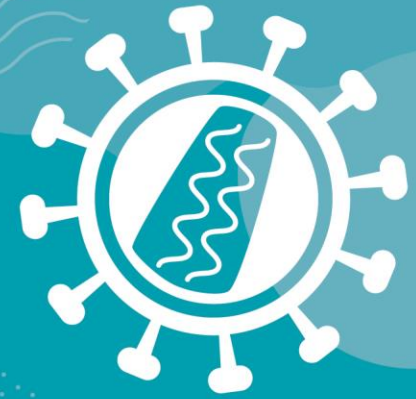


Implementation of routine opt-out Blood Borne Virus (BBV) screening in 34 Emergency Departments (EDs) in areas of extremely HIV prevalence in England

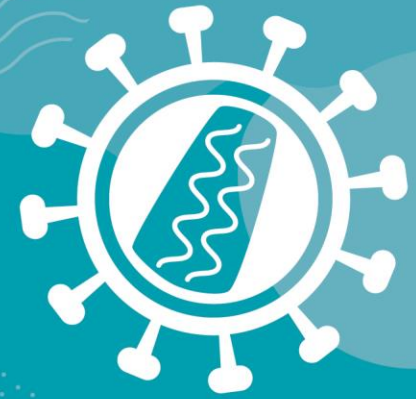
Rachel Hill-Tout
NHS England, UK



Opt-out Blood Borne Virus (BBV) testing in 34 Emergency Departments in extremely high HIV prevalence areas



R. Hill-Tout, I. Jackson, S. Hindle, M. Fagg, N. McDermott, G. Threadgold,
B. Emmanouil, M. Gillyon-Powell, M. Absar, A. Webb, A. Cooper, M. Smith



Conflict of Interest

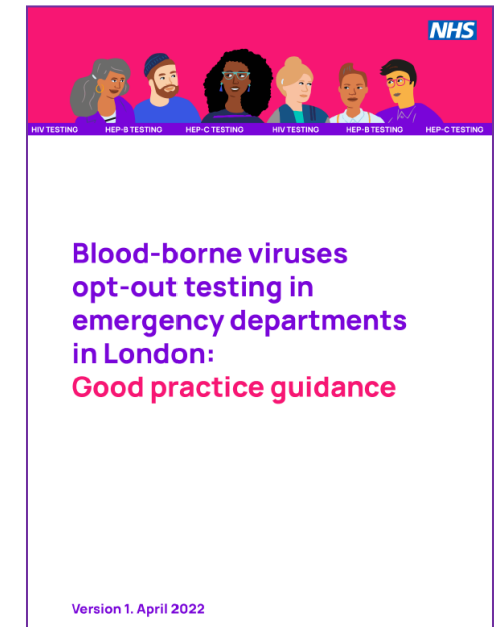
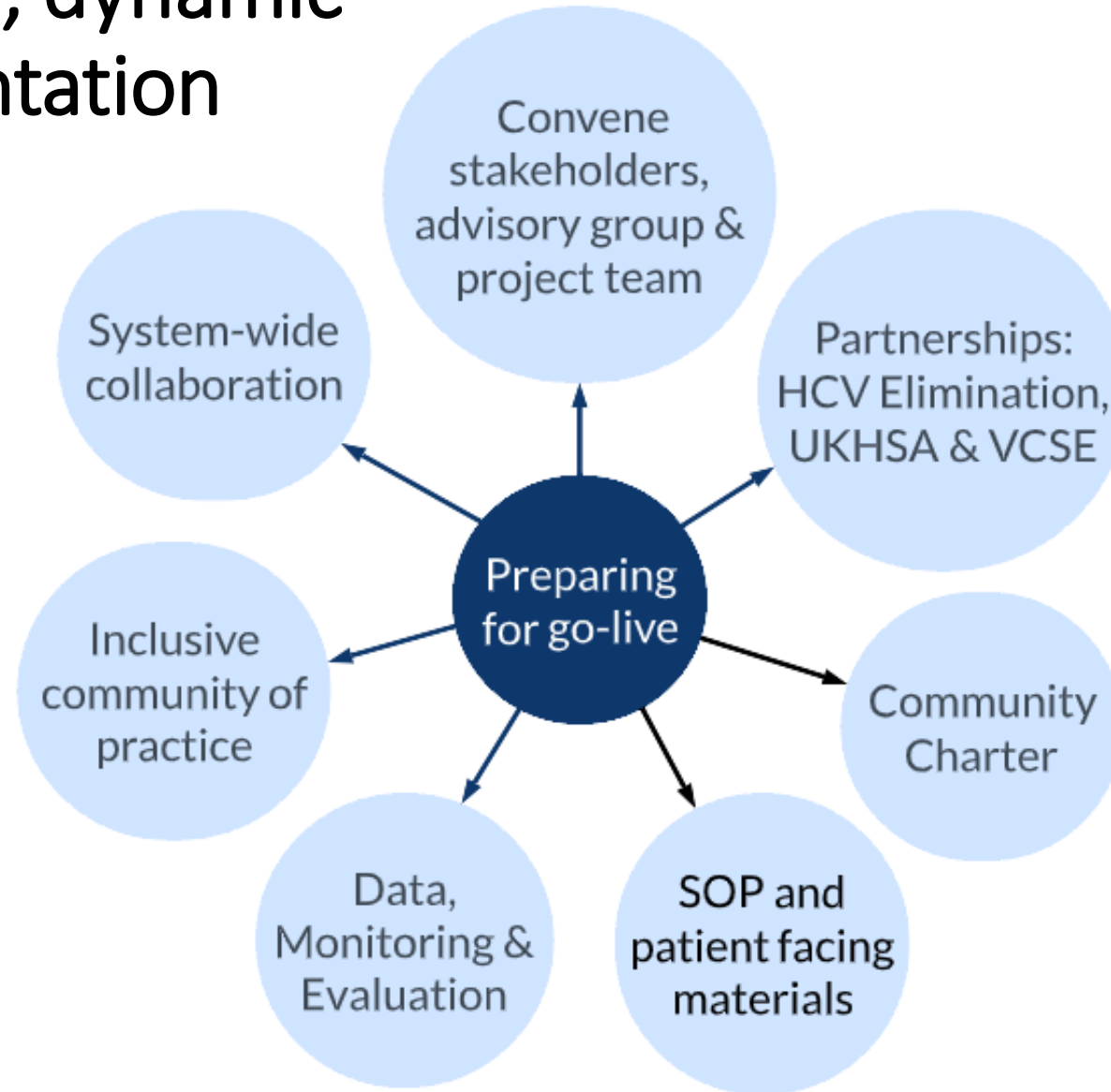
Rachel Hill-Tout has received speaker fees and travel grants from Gilead Sciences

Speakers are required by the Federation of the Royal Colleges of Physicians to disclose conflicts of interest at the beginning of their presentation, with sufficient time for the information to be read by the audience. They should disclose financial relationships with manufacturers of any commercial product and/or providers of commercial services used on or produced for patients relating to the 36 months prior to the event. These include speaker fees, research grants, fees for other educational activities such as training of health professionals and consultation fees. Where a speaker owns shares or stocks directly in a company producing products or services for healthcare this should also be declared.

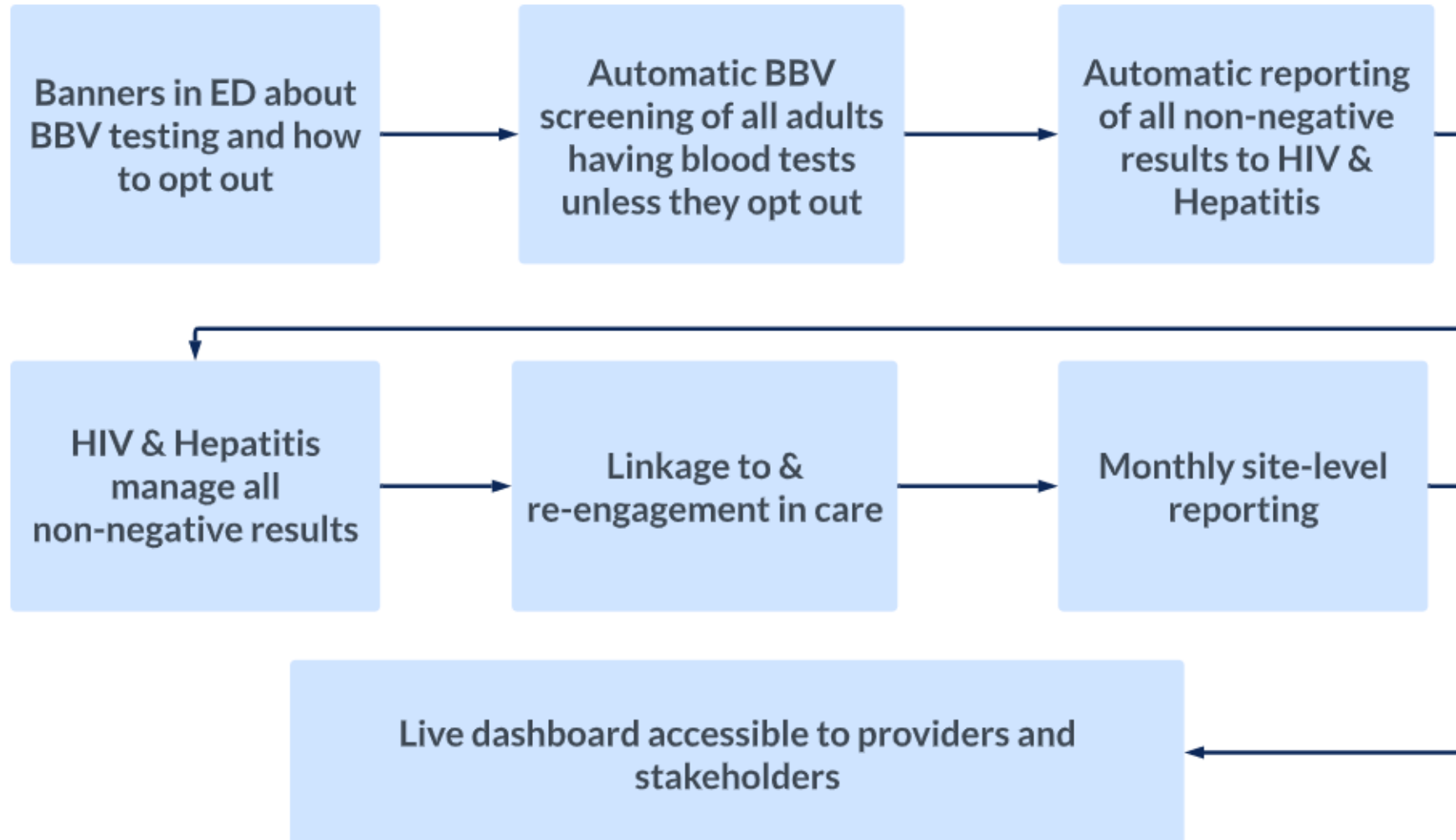
Introduction

- ❖ On World AIDS Day 2021 the Government committed £20 million over 3 years to expand opt-out HIV testing in EDs in extremely high HIV prevalence areas
- ❖ The HIV sector and its supporters were key to making this happen
- ❖ In partnership with NHSE Hepatitis C (HCV) Elimination, this initiative expanded to include testing for Hepatitis B (HBV) and HCV
- ❖ Launched on 1st April 2022
- ❖ 34 Type 1 EDs were included: all 28 EDs in London, Manchester Royal Infirmary, North Manchester General, Wythenshawe, Salford Royal NHSFT, Royal Sussex County, and Blackpool Victoria

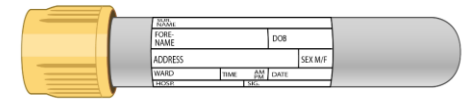
Collaborative, dynamic implementation



ED BBV opt out testing pathway



BBV triple test

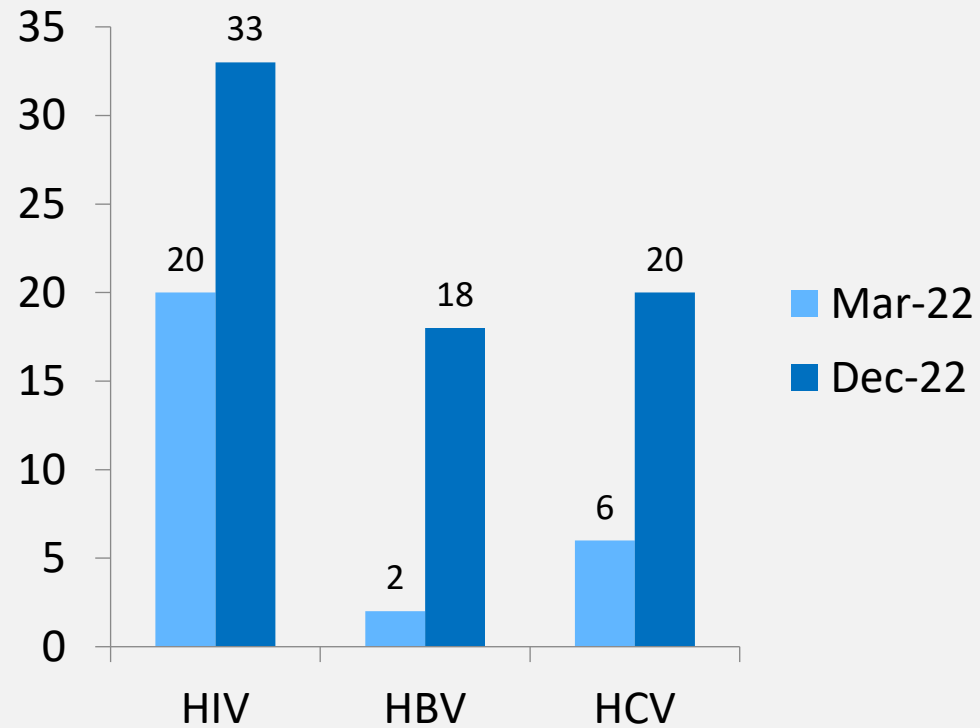


- 1) 4th generation HIV 1/2 antigen antibody
- 2) HBV surface antigen
- 3) HCV antibody with **reflex HCV RNA** on all positive antibody tests

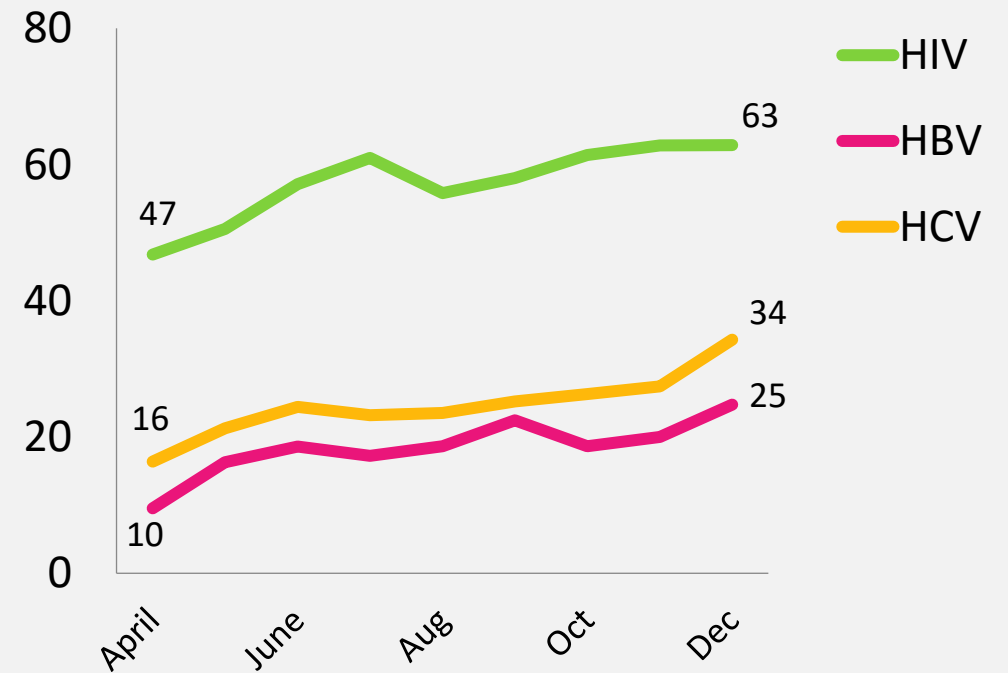
ED BBV testing April-Dec 2022

Rapid mobilisation

Number of EDs active with BBV testing



BBV testing uptake
(% of ED attendances with blood tests)



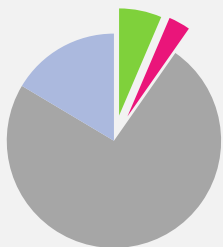
ED BBV testing April-Dec 2022

Key findings

	HIV	Hepatitis B	Hepatitis C
New diagnoses	282	760	321
Previously diagnosed- lost to care	144	65	54
Previously diagnosed- engaged in care	3238	353	62
Notified of positive ED BBV result	1527	782	316
Linked to/ re-engaged in care	274	248	217
Offered (& accepted) community support	130 (57)	36 (12)	41 (5)
Tests performed	665,746	213,518	283,571
BBV testing uptake	57%	18%	24%
ED attendances with blood tests	1,159,875		

ED opt out testing : HIV diagnoses, linkage to care and '*number needed to test*'

Breakdown of reactive HIV tests
(n= 4385)



- New diagnosis: 282 (6%)
- Previous diagnosis, lost to care: 144 (3%)
- Previous diagnosis, in care: 3238 (74%)
- False positive: 721 (17%)

426 people found who were living with HIV but not in care

- 282 newly diagnosed
- 144 previously diagnosed but lost to care

274 people linked to care or re-engaged

- 220 (78%) new diagnoses linked to care
- 54 (38%) people who were lost to care have been re-engaged

What is the '*number needed to test*'?

- To find 1 new diagnosis= **2360**
- To find 1 new diagnosis **or** person lost to care = **1562**

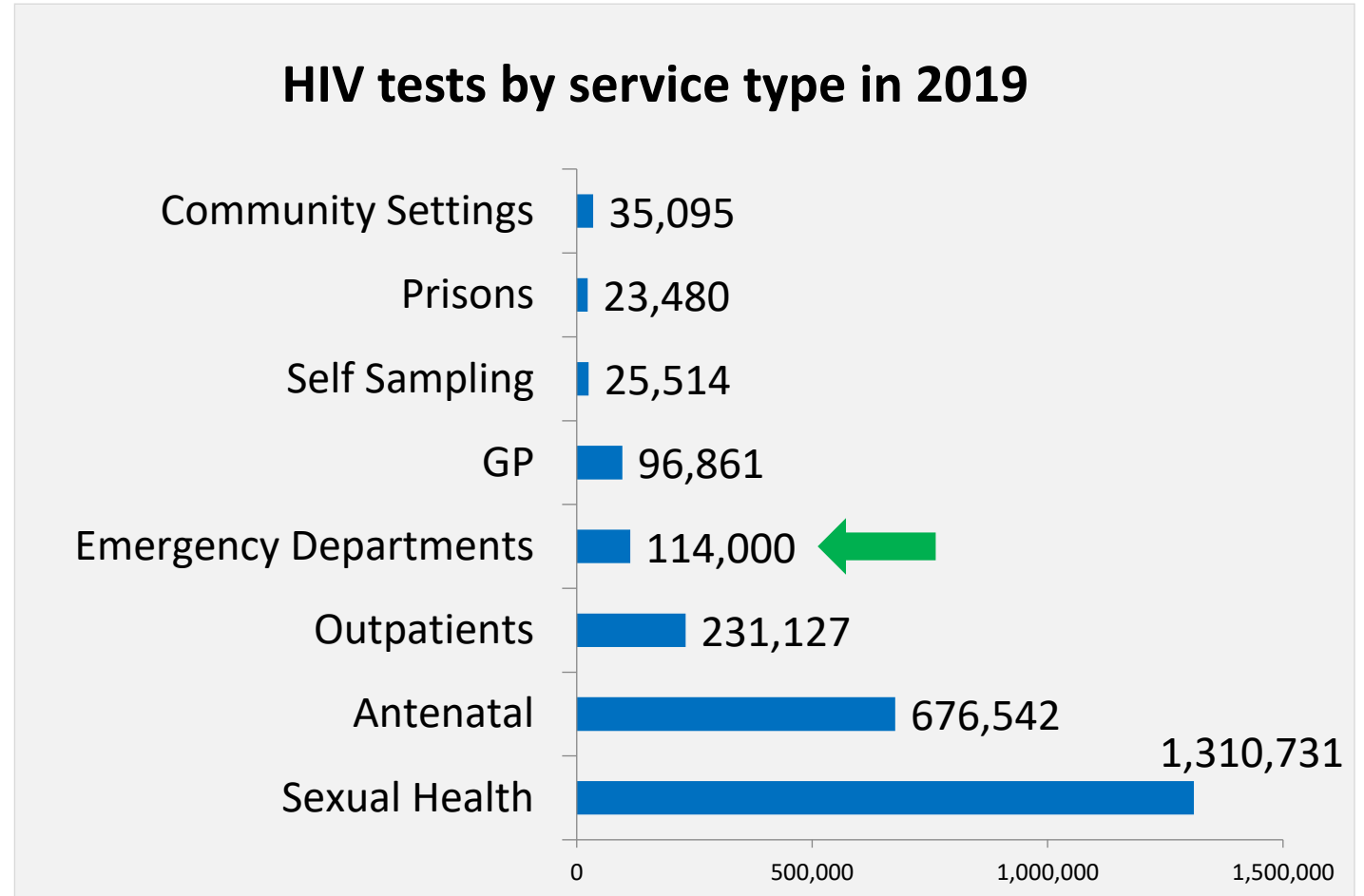
'Test, test, test': the contribution of opt out ED testing

665,746

HIV tests in the first 9 months
of ED opt out testing

~900,000

HIV tests predicted at 1 year



Conclusions

- ❖ ED BBV Opt-out testing is effective in finding people who are living with BBVs but not in care and linking/ re-engaging them into care
- ❖ Rapid implementation of a complex, multi-speciality initiative at scale
- ❖ Made possible by collaborative efforts of hundreds of people in the NHS, VCSE, statutory agencies and local government
- ❖ Demonstrates the power of partnerships, system-wide collaboration and empowered communities
- ❖ Next phase: increasing BBV testing uptake to 95% in all Trusts

Please join us today for a lunchtime workshop: Barbour Room at 13.40

Acknowledgments



The ED BBV Opt out testing project team: Ian Jackson, Stephen Hindle, Georgia Threadgold, Beatrice Emmanouil, Mark Gillyon-Powell,, Adam Cooper, Mark Smith, Mohammed Absar, Agnes Webb, Kim Boyle

NHSE Prevention Team: Niall McDermott, Matthew Fagg, Jeff Featherstone, Masuma Altaf

Professor Kevin Fenton

Members of the BBV Opt out testing Steering Groups, Community Forum, Data and Evaluation subgroups

Expert advisory group: Ann Sullivan, Laura Waters, Nicola Mackie, Tristan Barber, Ian Cormack, John McSorley, Orla Mcquillan, Emily Cheserem, Elizabeth Hamlyn, Kathryn Harrop, Larissa Mulka, Clare Van Halsema, David Chadwick, Hannah Alexander, Clare Dewsnap, Matt Phillips, Oliver Mizzi, Emma Young, Laura Hunter, Russell Durkin, Alun Marc Henry, Graham Foster, Patrick Kennedy, Ashley Brown, Kosh Agarwal, Doug Macdonald, Kate Drysdale, Thendral Murugesan, Javier Vilar, Richard Angell, Danny Beales, Stuart Smith, Rachel Halford, Garry Brough, Mel Rattue, Denis Onyango, Deryck Browne, Dee Cuniffe, Lauren Bull, Andrea Cartier, Jacqueline Lindo

Trusts who pioneered HIV opt-out testing in EDs prior to national funding becoming available

Trusts who pioneered opt-out BBV testing in EDs: “Going Viral”, “Get Tested LeEDs”, GSTT, Manchester, Barts, North Middlesex

The Elton John AIDS Foundation Social Impact Bond

ICS leads and colleagues in London, Brighton, Greater Manchester and Lancashire and South Cumbria ICBs

HCV ODN Clinical Leads in London, Brighton, Blackpool and Manchester

UKHSA: Nicky Connor, Sema Mandal, Alison Brown, Ruth Simmons, Monica Desai, James Lester, Ruby Tabor, Rachel Roche

DHSC: Adam Winter

Transformation Partners in Health and Care

National AIDS Trust

Terrence Higgins Trust

Elton John AIDS Foundation

The Hepatitis C Trust

George House Trust

The British HIV Association

The British Association for Sexual Health and HIV

The Fast Track City (London) team

The All Party Parliamentary Group on HIV and AIDS

Thank you to all of the Trusts involved in this project and their HIV, Sexual Health, Virology, Emergency Medicine and Hepatitis teams



Royal Free London NHS Foundation Trust
North Middlesex University Hospital NHS Trust
University College London Hospitals NHS Foundation Trust
Whittington Health NHS Trust
Barts Health NHS Trust
Barking, Havering and Redbridge University Hospitals NHS Trust
Homerton University Hospital NHS Foundation Trust
Chelsea and Westminster Hospital NHS Foundation Trust
Imperial College Healthcare NHS Trust
London North West University Healthcare NHS Trust
The Hillingdon Hospitals NHS Foundation Trust
King's College Hospital NHS Foundation Trust
Lewisham and Greenwich NHS Trust
Guy's and St Thomas' NHS Foundation Trust
Croydon Health Services NHS Trust
St George's University Hospitals NHS Foundation Trust
Epsom and St Helier University Hospitals NHS Trust
Kingston Hospital NHS Foundation Trust
University Hospitals Sussex NHS Foundation Trust
Manchester University NHS Foundation Trust
Northern Care Alliance NHS Foundation Trust
Blackpool Teaching Hospitals NHS Foundation Trust

