Webinar: Update on the Test and Trace Programme and Pillars 1&2 of the National Testing Strategy
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<th>Time</th>
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<th>Speaker(s)</th>
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<td>10.00-10.25</td>
<td>Update on the National Effort for Diagnostics and Strategic update</td>
<td>Baroness Dido Harding, Head of the Covid-19 Test and Trace Programme</td>
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<td>Q&amp;A</td>
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<td>10:25-10:50</td>
<td>Update on the Test and Trace Programme</td>
<td>Ben Dyson, Policy Director, Test and Trace</td>
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<td>Q&amp;A</td>
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<td>10:50-11:05</td>
<td>Update on Pillars 1 &amp; 2</td>
<td>Update on Pillar 1 – Keziah Halliday, Incident Director</td>
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<td>Update on Pillar 2 – Alex Cooper, Pillar 2 SRO</td>
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<td>11:05-11.10</td>
<td>New Crowdsourcing Challenges</td>
<td>Doris-Ann Williams, CEO of BIVDA</td>
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<td>11:10-11:20</td>
<td>Close</td>
<td>Lord Bethell of Romford, Parliamentary Under Secretary of State, Department of Health and Social Care</td>
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Our National Effort: A Strategic Update

Baroness Dido Harding,
Head of the Covid-19 Test and Trace Programme
NHS Test and Trace Service

Diagnostics Industry Call
29th May 2020
An Integrated and world-class NHS Test and Trace Programme, designed to control the virus and enable people to live a safer and more normal life.

### Our Objective

Continuous data capture and information loop at each stage that flows through Joint Biosecurity Centre to recommend actions

Underpinned by huge public engagement exercise to build trust and participation

<table>
<thead>
<tr>
<th>Test</th>
<th>Trace</th>
<th>Contain</th>
<th>Enable</th>
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<td>Testing at scale with rapid turnaround enables action to be taken by individuals and organisations such as the NHS and Care Homes to minimise risk of spread of the virus.</td>
<td>Contact tracing – via app, online and telephone support – to rapidly identify those exposed to the virus and to instruct and support them to self-isolate.</td>
<td>The Joint Biosecurity Centre brings together data from testing and tracing with wider sources to provide insight and guide early action.</td>
<td>Ensures that increasing knowledge about the virus can be used to enable both individuals and different sectors of society to return to as close to normal as possible.</td>
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<td>Increasing understanding on the spread of the virus flows into the Joint Biosecurity Centre.</td>
<td>Increased understanding of patterns of transmission flows into the Joint Biosecurity Centre.</td>
<td>Local plans in place to enable rapid, targeted action to be taken to contain the spread, supported by regional and national capacity where needed.</td>
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The largest diagnostic network in British history

100 Mobile testing units
3 Mega laboratories
200,000 tests a day

The largest call centre in the UK

25,000 Dedicated contact tracing staff
10,000 Capacity for cases and their contacts traced a day

1. Target capacity including swab and antibody tests
2. Target number of contact tracing staff in post from 1st June; 24,000 expected by 28 May
We are implementing on a phased basis

By June 1
'Beta' version of national test & trace services
- Supporting relaxation of NPIs
- Starting a safe return to work and life
- Enabling early learning & insight

By July
Enhanced, more seamless service offer & experience
- Building public trust and confidence via a more integrated service
- Supporting enhanced outbreak management via rapid insight and response

By late summer/autumn
A world-class service
- Returning life to as close to normal as possible, for as many people as possible
Principles for implementation

1. Base everything we do on expert scientific, medical and technical advice, e.g. Chief Medical Officer, Government Chief Scientific Adviser, SAGE and our own Ethics Advisory Board.

2. Work in partnership with industry and academia to ensure a reliable and sustainable testing programme and rapidly deploy new technological advances.

3. Engage with and provide clear communications to the public who have already clearly demonstrated during the lockdown that they want to support the mission to beat COVID-19.

4. Work with local government and all parts of the NHS and social care to design and delivery local solutions, supported by national insight and specialist skills, to protect local communities.

5. Work with businesses and employers to ensure NHS Test and Trace helps create safer work-places.

All of this will be underpinned by transparency and acknowledgment this is an iterative programme.
Update on the Test and Trace Programme

Ben Dyson
Policy Director, Test and Trace
Ambition for a single, integrated service for citizens

Single integrated service for our citizens

- **TEST**
  - Identify and isolate individuals carrying the virus

- **TRACE**
  - Trace and isolate individuals at risk

- **CONTAIN**
  - Identify and contain groups / areas at risk

- **ENABLE**
  - Enable low risk individuals / groups / areas to operate in 'new normal'

Joint Biosecurity Centre
Continuous data capture at each stage

Customer and Product Design

Operations
User journey through Test and Trace
People with symptoms

1. Self Isolate
2. Take Test
3. Get Results
4. Share Contacts

Stay at home: self isolate with your household

Request a test
- Order a test on nhs.uk/coronavirus or call 119 if you have no internet access or need assistance

Take test
- Take a test at a regional, mobile or satellite test site or
- Take a test at home

Test positive
- Complete 7-days self isolation from start of symptoms
- Your household should complete 14-days self isolation from when your symptoms began

Test negative
- You and your household may stop self-isolating

End of self isolation

Share contacts
- The NHS contact tracing service will contact you by text, email or phone
- Share contact details of close contacts, and places you have recently visited

Note your contacts
- Make a note of anybody you have been in recent close contact with
- Inform them, so that they can take care to social distance and are alert for symptoms

Symptoms
- New continuous cough OR
- Fever OR
- Loss of smell and/or taste

'I'm worried I may have Coronavirus'

1. Under 18s will receive a phone call, and a parent or guardian will be asked to give permission for the call to continue.
User journey through Test and Trace
Close contacts of people with confirmed coronavirus

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<th>Description</th>
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<tr>
<td>1</td>
<td>Receive Alert</td>
</tr>
<tr>
<td>2</td>
<td>Self Isolate</td>
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<tr>
<td>3</td>
<td>Test If Needed</td>
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**Receive alert**
- Receive a notification by text, email, or phone if you have been in close contact with a person who has tested positive

**Connect to service**
- Log on to the NHS Test and Trace website to acknowledge the alert or
- Receive a call from a call handler if you cannot access the website, or you are under the age of 18

**Maintain hygiene**
- You and your household should take care to follow social distancing and hygiene guidelines

**Monitor for symptoms**
- Request a test and inform your household to self isolate only if you develop symptoms

**Stay at home:** you should self isolate for 14 days

**Test Positive**
- Self isolate for 7 days from the onset of your symptoms
- Your household should complete 14 days self isolation from when your symptoms began

**Test Negative**
- Complete your 14 days of self isolation
- Your household does not need to continue self isolation
Q&A
Update on the National Testing Programme: Pillar 1

Keziah Halliday
Incident Director, Testing cell
Update on the National Testing Programme: Pillar 1

• Since 3rd March 2020 the NHS and PHE have introduced real-time Polymerase Chain Reaction (rt PCR) testing for COVID19 in 98 laboratories across 29 pathology networks, covering all 7 England regions

• Testing capability was stood up within weeks - a process that would normally take up to a year or more

• To date 1,264,942 rt-PCR tests have been undertaken, of which 228,311 were staff or family/household members

• The NHS systems utilised an existing laboratory workforce of 27,000 across England, to support COVID19 rt-PCR testing capacity from zero to being able to undertake 125,000 tests per week

  NB: In ‘normal’ circumstances 300,000 microbiology tests are undertaken in England per annum
Update on the National Testing Programme: Pillar 1

• A logistics team facilitate the prioritisation and allocation of testing supplies to ensure sustainable delivery of COVID-19 testing capacity across the 7 regions

• Pathology services have continually sought innovative solutions to challenges with the resources available to them, conceiving, formulating and sharing non-extraction methods to overcome potential swab and reagent challenges

• Collaboration and shared expertise across multiple organisations and agencies have underpinned the success of the NHS testing programme
Update on the National Testing Programme: Pillar 2

Alex Cooper
SRO Pillar 2
**WHAT WE HAVE ACHIEVED**

- In eight weeks:
  - Over 1 million people tested
  - 4 new labs
  - 50 regional test sites
  - 116 mobile testing units
  - Over 500,000 test kits sent via satellite model
  - Over 400,000 home test kits sent out

**PRINCIPLES**

**INTEGRATED**
- NHS Test and Trace Programme and equivalents in Scotland, Wales and Ni
- Data analytics
- Wider HMG efforts & objectives
- Link into research - drive growth & support development

**TRUSTED**
- Public trust (privacy and quality)
- Reputation as a responsive, agile and accurate service
- Leads to action
- Transparent and accountable

**EXCELLENT**
- Quality (diagnostics, data, reliability)
- User experience
- Slick user journeys (speedy, effective, robust)

**ACCESSIBLE**
- Accessible for all not many
- Empowerment at local level
- Adaptable, agile and reactive delivery across the U.K.
- Better understanding of population’s needs and behaviour

**PURPOSE**
- Testing for NHS staff then other key workers and over 65s
- Saving Lives (rapid testing for anyone with symptoms)
- Protecting the vulnerable (screening of selected cohorts)
- Containment (integral part of NHS Test and Trace)
- Getting UK back to work (testing available for all symptomatic citizens)
- Understanding prevalence (survey delivery)

**VISION**
- World leading testing at scale

**FUTURE-PROOFED**
- Develop capability for 2030, not just June 2020
- Resilient op model
- Long-term lab, workforce and infrastructure plan
- Capacity for worst-case scenario
Q&A
New Crowdsourcing Challenges

Doris-Ann Williams
Chief Executive of BIVDA
#TestingMethods2020

- 264 ideas posted
- 916 registered users
- 11,101 visits
- 98 ideas ready to deploy or almost ready to deploy

**What’s New?**

- Catalogue of Resources
- Weekly bulletins available
- Diagnostic community webinar recordings available

🌟 New challenge next week
Close

Lord Bethell of Romford
Parliamentary Under Secretary of State, Department of Health and Social Care