

World-class
test & trace programme

It's about creating more freedom
Certifying people

Positive message regarding
swab test
swab than one plus.
At least for a short period
people won't get public rejection

Not saying don't get antibodies
at least some of them are
neutralising

We need to do the
experiment

New antibody test reliable at
proving you have had
infection

By the new test
blood test Roche

One where you take blood in
an ordinary way

100% delivery business in
6 weeks
we need to focus on
social care workers
testing exists
at scale
trust exists

Forward in 4
months
training
VHE
250 people

Large scale trials
service cost
week - test &
fear cost of being
scared - it
needs to be just

Tom Hurd is
filtering up a
surveillance centre

test / trace / confirm / certify

100% that activities will be
taken locally

testing
Gov.uk
6 different success
8 digit number

18,000 contract tracing will
have had 2 weeks
contract tracing

User acceptance testing.
Hardware doesn't allow for user
acceptance testing

Beta version at beginning of June
a good enough version

200k users doing
10 scale testing
Speed

About to double

Given that you are all
we need to test you
prevents

We will want to be
very heavy on testing

We need to find people
who have been people
contacted with cases

Swab test but
stuff

We need a couple of
new beds

BATCHING
OXFORD NANOPORE

It does exist but
does not yet have full
approval.

We need to get to
very large numbers -
but antibody

New head of UKHSA
we are in the top 3

3 ways of doing this

find out how a proportion of cases
as we can

If no drug or vaccine you
get more of it done by
this method

the more effective

Public : you'll have to
know about an

long point this - led to

identify cases & isolate contacts
the more effective the
to more you can reduce social
distancing

you may be able to release
people a little sooner

the use contact jobs

what you can do to diminish the
risk

3) localised outbreaks

7- saw macrocurve

1) people who have symptoms

2) people who have no symptoms
→ health & social care

3) genome

app doesn't get code to the NHS system

app won't be active week or 2

The app knows whether you have a
positive test

PHE can't do this at scale

Core Researcher chief exec of
leeds

John Boscawen's Centre

data

app is
an accelerator,
with the main
deal

It's an accelerator
concern in the
the project

Proti
Clay

Coats

Proti Clay
try want to ECD
their presence with have rights to
access in waters

DM Maca 6
George
DG More
a joint 2 international
feel it's sustainable as

For was I
university students
on technical accs
was as large

Smaller
but
draft FTA.

Different regional
data
these - still data?

North } cobra - 156
X - put news
making mess

Global guide - line
Proti 1-3-8 be ~~156~~ not local
port

Proti
to monitor we need to do
- what but by means come up
city supply - vehicle
find the model

Covid-19 alert. (Sage) and
spread to 13
How that will be applied at local
regional level

Urban are starting to
cross the
shipping
→ people won't take it
→ by are com
→ this puts heavily
lastly w. trading between
cross
→ where understood

- needs for
groups

→ this will
be robust

Schools

Supps

Track & trace

PPE

Ising

Care homes

R

Dashboard

proportion per

care homes & further

meds, ill down

new cases at home's

down

prevalence

0.27% have

but discuss

serological surveys

15% and 5%

in use of primary

24 in London

17 in care homes

signing it

social bubbles
& parties

care & business usage
coming back

Friday 15th May

John

JLR

car shut rooms

Ratio of care homes

new cases 83,000 per week

R value still below 1

may be much closer to 0.5 x 0.6 -

control

Finer

John

R & Madonna need to come down

R can be 1 while Madonna is
and

The law is not much lower

There are means of making copies
are much lower

Need to establish what Description has
actually done

How to get R down

Savina Williams
meeting w. teaching unions & schools
independent schools assess local
authority bodies. head teacher union
start to pull away
NASUWT - teachers membership
NEU - 6
continuing to say nothing about
profession. children of disadvantaged can
outmost
James Eadie doing some work

If they go down to 1 but they will be
done on illegal strike.
This is going to be horrendous - opinion of
is quite realistic
Regional schools commissions leading
to make sure we get over the line
Sheffield / Liverpool being difficult
We want to get over the line majority of
schools go
One we have the schools going back
Keep it true (London) but
maybe be possible

Association of School & College
leaders ASCL big group

NEAT - own forward - leaving
National Assn of Head Teachers -
try to get them to be more - obstructive

Share with and get best level of
synth - children get more developed
backpack

Mediums contact

When we do move to full

We will be putting on a system
A system in pop who are critical workers
which will put pressure on normal
people & teaching

Protect your kids, protect your
community

Heart of parents/kids/teachers at
Heart of what we are doing

CCQ training type type

Practice NEU from the unions

BOOSTER LESSONS

HERO TEACHERS

6 lessons

release the data by the end of the week

Deem - at product health
set people's

New phrase -
gradual - the words

6700 staff a DFE,
1/3 on recovery plan

International academy
how do we do standards
school improvement
multi-academy trusts

David Quares

HK go to get by

PPE global term -
climate change

a bit of turbulence
clearer

Words

HK
HK
Covid

Hawari

Higher way
character
~~character~~

More stuff we can do
cover space

We can do better at identifying probs

We can plan - make ourselves less reliant
more resilient

In some areas we should not
be letting the big companies

National security redaction

Monday 18 May 2020
Kebani
We have had Cor
5 weeks

Ypindin can see
We just want to make sure
is safe

We can't control the look of the

All the cleaners are over 70
Ed says
Very pale

Need to get the people back into

What happens in the courts?

There limits to the debate

QE2 centre

Boundaries -
GEO
public reviews

Darling to the

ONS dealers
- 8 May

12657

all the dealers in care homes
more dealers in hospitals
most even dealers are -

white levels of working

ford dealers

TFL tube jumps up 19%
especially needed
people

How much does it cost
more dependent than people

PPE

care homes

12657

fracks & 12657

R

ambis

DCMS want to
all elite
sport professionals

Steel - try having it
must be the plants
Is there much reduced
we could do?

plants are hupelles

Most funaes or
ledus are funaes

try require fewer people

Assumption all obvious
or rational -
yields screw
we can all see this
well but not see how it goes

DAs on a good place after

CMO done a helpful piece

WE want information require

Just checks on people
ones should be upped

Domestic priorities
Welfare, No to effort

Coronavirus Bill

big budget -
fiscal plan

NHS what do we do
NHS

Open team ideas on public health
entirely autonomous - even though it
spends 40% of public expenditure

Public legislation
Juridical bit - what can do planning stuff
large S.I.s → but a lot of it
needs primary legislation

Disputes to legislation will be difficult

Grant shops
there

Medical
transport

Tuesday 19 May
2020

deaths - Colygram
has
possibility to come → required

cont.

A Wright is called off

ONS data coming out
today

3 things

1) number of covid deaths
before

2) covid deaths compared
before.

3) excess deaths

→ over a couple of
deaths to covid

open did it
especially with

TSing - we are too slow

end to end chain

relies on home delivery staff
enforcement / mandator

Singapore

Singapore
phones

CMO

→ do you go w. a
risk

We have budget
now in private

he was budget
he is playing political
games

Threats

create surcharge
\$ 900m for NTH
→ will need to go from
NTH

with he was
whether we would
who are

Now when the job

clear detail

Consensus

— he wants to be constructive
if he is serious about

25th May Public Health's Meeting

1 June = Monday 1st day back Pabodie

Public Health's Meeting

Care homes ?
Franchise ?
What are the criteria

What are the models

Care homes

What a lot of people & ideas
do here
- do full package &
top out

ONS numbers
updated R
if the system is

Everyone will be more
cautious about all 3
at once

if we create significant
changes

Pabodie
asymptomatic
stays

The lockdown has been
very successful but the
relaxation effect

The current situation why the
R hasn't come down
high

Gawronski piece

Health care workers
still have a higher rate
than general pop

Care homes has also
improved

big worry is care homes

What are we back at
beginning of March

The primary
workload cases
that can be
detected by
HS & NHS

SDY.
Management of cases &
ability to control
what the NHS are
going to do directly

Biometrics centre go to
DH. from contact
centres or TMDs

National Security

National Security

SCIENCE - health

National Security

National Security

Rishi: tension between championing free trade & open markets. Different ways to build resilience. open economy - more reliant on global markets - we would suffer more. We need to deter hostile state actors. We don't have the protections we need.

Michael CPL: on our forces, on strategy on our national - we need to think about our ~~security~~ workers - many of the people who vital for us - we need to take a clear-eyed view of

National Security

3) Financial
Discounted home 30% off for local
people - sell for 80%
building homes for NHTS / local care /
homes.

a good website policy -
ways to help small builders

- a good thing to do
2) affordable homes programme to
Housing Associations
80,000 - £12.5bn over 5 years

in homes for the people
starts were already down
we had a good start to
rest of homes market last week

Bellwin scheme for Covid
Brentford encourages repair

Roll Michaela Gates

trying to raise more money for GAVI
up to get to the goal. When there is a
coronavirus vaccine we need to get it to poorest
77 countries.

replenishment work with.
global plan on health system therapeutics

RNA vaccine - Moderna.

Oxford vaccine. It has some
good characteristics - ability to scale up
fast. Aziz Hill / Jim Bell at Oxford
lead of our platform for 10 years

why the NHTS need system. We are
having great conversations w. UK

US should come in w. \$8bn. US has
always been -

WtHo → not happy then

UK is the house - global platform
by far the biggest

therapeutics by July might be cheap
even to less, eight to ten developing countries

ACT accelerator / Accelerator for Covid
therapeutics

45 some money to CEPI, to GAVI, to donors

South Africa was given... Inman mentioned
large number - pleased w. science - pleased w. UK

delayed despite in Africa

UK vaccine rates
less pills in schools

2 in Africa

will know

UK can't do inactivated viruses
They are effective vaccines.
We are looking across the

Moderna has been scaled up

Use likelihood ^{Bill} but our work with it is high
Scaling up will be difficult. Does it work for
older people

Robert Shattuck vaccine looks pretty interesting
My team has to be material for phase one

Wenche & Wenne Paul Steppels
Don't get into human trials until
September

Report to Asha Zennaro

when up to planning companies.

4 or 5 wk be extremely appropriate.
person company called Bio which teamed up
w. Pfizer

We need the test kit to be
very quick

3 PCR labs
We can test 1% of pop
every week

for 1% a week
a strip of paper
My won't be as sensitive. 1% a week. If you
have some people or you get up to
that can help you do the numbers

New at 1% →

Gates pitch

Wednesday 20 May 2020

We might need a more mandatory system -
make a virtue of fact that this is voluntary
you could be fined

16% of T/F are self-isolating

Strategy document - only when Lee is
happy w. numbers

Rubenstein Wed 20 May 2020

Care home numbers getting
down

2400 - daily cases

Legislated admissions lower

20% more journeys outside
difference is about 20%
6-7.30 when road
distances is better

7% increase on the roads

children in school at 2.6%

assessment of where risk is biggest
Merryside numbers of vulnerable
people - ability of
community sector to step in if
weak. we have one LRF in total

401 care homes have less
than 48 hrs of

PPE much more w/ a
short distance

Symptomatic residents of care homes
always had tests.

Schools
food & trace
social distancing
Sage

of PE

Tom Hearn
David Williams

DIDO

120k tests available
Turnout: only 22% done in 24 hrs

3) tracing. The % of people who test positive

→ the answer is zero
We have received 21,000 or
fewer → will be 25,000 by
end of June

7-7,500 will be clinical
sufficient to contact all index
cases w/in 24 hrs

It will be able to trace up to 10,000
new cases (2400)
+ up to 30 contacts by June

In lockdown track is 10 contacts -
it will be

you have been w/in 1m are
someone for 1
or 2 in for 15 in
or been in a car

The clinicians contact the
positive test people
identify who are
contacts for their purposes

We are drawing
on system of PHE is an
important component -
we will be to launch early
week to get the preparations
the numbers will be lower
this is a big question - but
on weekends doing as they

Solutions

Big work in the world
but has stood up a new
trace system. There is a need
precedent but that is what
you need to do.

A 14 day isolation w/out
mandates

heavy moral suasion

various judges. S. Koonce
had a care package

Chris

The devices are bad: opening up w-a significant
funding on a small number.

If you don't have very many people w. coronavirus you
don't have any isolated.

This is why getting the total number down.
The key is to get the people isolated first.

Prevented people to buy into it
We have to make it work -
We need to persuade the public it's a good idea

If we do a test on contact on day 5 it will be negative.
They have no symptoms

They are going to be highly infectious
Prob. w. the disease is that people are infectious before

more tests per head than as the country opened
pen study - not practical to test

contacts

If you are an asymptomatic test case worse
you have no chance

If you

The lower the number of cases - the

Patrick If you find you can pick up all
the people -

Supports people - includes sick pay
- total support

Local Authorities - Local authorities to produce plans
you need local

Keep the plans simple -

- 1) Private care homes & schools
- 2) H&A with workplaces

Local plans to test

Make sure we have the capacity

We can deploy quickly. How do we help people
self - include?

We need money.

SSP - for those who are self - insured
paid for by business

Food packages - delivered by Defra

Every local authority has a shielding hub. If you want
help, request will be to same hub.

Local areas

Patrick

There will be success in time!
Fully functional

Don't create all the room yet

10-15 % of the burden can be taken by test & trace
with 6-7 less room

The evidence is still reasonably high but coming down

What you do early, & what you wait a little
bit

Full package may push us too hard

Discussing fully at stage forum

Criminal Justice Task 10/20

Unending cycle of reoffending

Justice system

Chang's involvement

Home Sec

Justice Sec

Ac

Cyber crime

Markus Hewitt

ask ITS to talk to 20k police target

Lord Chancellor on prisons & prison capacity

Can he come back w. a plan / a paper plan

could have targeted to work at innovative

sentencing white paper / legislation
What is the scope & what is achievable from July

Kit

SWD / broadly flat

Wt unit / Rued until next minutes date

Domestic violence - someone

Hidden harms - ^{Anti} Vulnerability

Prisons
visits
justice

try have created for an safe houses

Fraudsters when

GDP can be up, up = all down, but

not from economy

101 calls down

normal demand not there -

confirms, gaps,

Multi-agency operation - how do we keep
on foot on

rehabilitation

Domestic abuse: what is an underestimate.

North Kentland

39,000 cars

What's the

How can we push through these
people through the system —
25,000

TfL — massive cycle peloton

Joe Wicks PE lessons on line

2 metres

TfN → he wants to know it
together

Rail

High tunnel

HS2 (NPR)

What the
age

Grant

20% of the take

We are maintaining social distance

3407 British Transport Police

Fell different — put him in charge of

plans —

If we have a hotspot like Canary Wharf, make sure it

is videoed on CCTV — re-time traces we are

in an OK place

to make sure people stay there in

$\frac{1}{3}$, $\frac{1}{3}$, $\frac{1}{3}$

Development Consent order

and go to see a state

Planning Inspectorate always comes
back

We have to do a written statement that

Pins → the factory have to put
what it is acceptable

public work orders

delivery unit

Wed 21 2020

Shut down half of care home staff
0-25% of pop have covid

Other settings staff say 15% in London
5-6% across other areas.

New incidence - 8000 and up
10,000

Leaving home going in and out

Isolation based on people's behaviour

Those who should be staying at home -
Gosh it's worrying conditions -
are staying at home.

People are outside

spreading data

ONS data

Care homes May 21 2020

Delivering guidelines to care homes

High risk for care homes

£600m fund to pay staff salaries

400k elderly people in care
Care homes epidemics -

Peak in care homes -

70-80% have died in care homes

Impact of staff leaving care
home to care home likely to
be higher

Worse things about very beginning

Sweden does an inquiry into care
homes

Older people were not presenting w.
Symptoms

Considerable variation in knowledge &
practice in care home sectors

Workforce at high risk

Low paid vacancies

Shared ownership PPE challenge

Difficult infection control

→ place
to get to
down

→ HSL

500 in place
 we've not got 2029
 care homes had training or
 declined it
 2100 have had it
 600 have declined it
 deliver on-site training
 we are asking people why

PPE 50 calls a day
 from care homes
 10-15% from NHS
 LRFs have stocks

11R months go to LRFs
 8000 to have training
 by end of May

by don't need initial
 training

elderly people can't use it
 don't have eyes

All care homes done a week?

disproportionate number of
 outbreaks in larger care homes

4,500 hours fed into
 in for older people

when infection
 prevent
 training

elders
 all care homes by 6th Nov
 men likely all by 15th

Are we using the data?
 How many sessions a person
 How can we scale it up?
 Negative test results?

Covid Parti
 was intended for
 public use

multi-agency efforts
 people are looking at reports
 what is happening

about : trying to identify
 people 225u
 £15m of - based domestic
 abuse services - get them
 running at last month
 Ed/Homes office
 a lot of friends
 design out opportunities for
 home

given many countries have
 followed the lead on
 getting vulnerable children
 into school
 collaboration between schools,
 local authorities

other children have what
 people get services
 up & running

Buckle
 Sarah
 Oliver
 Matt
 Alric

Anne Marie
 Vaccine must
 Don : target are 76

- not to be
 - so good for us
 - west as have
 - no eye in middle
 - no eye in middle
 - bones
 - we could tell
 - apart
 - HSE EU
 - we are less
 - we are less
 - we are less
 - we are less

Matt Smith
20% in
reports of
the economy

big small
numbers &
individuals

Vera
nationalities
Evidence is about
evidence to detect
prosecutors
specialists in rape
different evidence
people problems
look at all evidence
value data

Chris

A typical writer -
probably 130,000 have
60,000 new offences a
week
The writers are not
immune to it and tend
off quickly

One R is below one
Each one is safe

Domestic Abuse Unit

Shedding duty for authorities to cause families fears
domestic abuse
→ £2m per week for people
plans don't seem to

We put more into ISVA's

Some bills

750,000 a
last 4 weeks ~~80%~~ 80% more
in domestic abuse
trying to break as many victims as
possible.
Child sexual abuse & exploitation
65% decrease? drop-off in
children -
potential surge
300,000 people have a
sexual history with children
650 arrests - the numbers continue to rise
for women slaves -
human trafficking
Nail bars / car washes not open
etc. industry has had to work differently
Surge in reports

Killer: we listen, we admit
→ we believe.

45 high - with clients - with a
life - doing things or being killed
severe domestic abuse over 10 years

Mike Kember

Group of cases - at least 50% in
Lup Kelis. I have done been last
Domestic abuse finally getting better
the problem seems.
Should be better. New global
standard - going in new
public awareness - looking for

Malaysia

abuse started as a child in physical
& sexual abuse. 18 police officers
social worker and two psychiatric
complex post-traumatic stress disorder,
depression
IDVA who reported as a charity worker
real risk of death after doing its ma-
king

NSPCC Peter Wainman

children staying w. anxiety
made difficult family situations worse
446 counselling sessions
children can also be victims of domestic
abuse - police to design team?
child protect - social networks are
easy to support

Then went to Joe we were
in 6 days. Truly marvelous
entertainment
everyone on first night apart the
4 who are after
the 2nd
the 3rd

Sharon Lane
New wind turbine for
GE
We've been
making machinery
been able to do
about 80%
about 80%

Unusual areas
80% of the

Copywriting
→ wants 1m
→ help w. details
→ helps scheme

Edward Mellor
pale yellow
coated three parts
shapers -
6 weeks of paint
30% of normal capex

started pulps scheme
52 weeks
getting
white for

Jan PHE -
I tried to find everyone
we bought people back on 4 May
we involve to change a
customer base
gills to

Enka Leadbeater
oil & gas

Quill Wells
Toyota dealership
Wood - perhaps 1 day
business rates
→ get to know

we will be at 100%

Business rates
improvement
[SG] improved building

Matthew Gould Murdoch
Pritchard
NHSX
digital transformation
the need for accurate data -
types of beds
NHS X & NHS esp
are

7th of March - at y
17th March -

future of emerging regulations

the system - identified with
share data

Make need for
decisions on ventilator di

PPE

90-day - includes restricted am-
coid PPE

the problem is getting the stuff we want

We have 1bn gloves

& wonderful team effort
Malaysia

an enormous UK manufacturing effort

aprons, masks, gowns, hand sanitiser

& we will turn that into a real
domestic effort

Source came : Major's guests have
been used for distance sources

Surveys, interviews, how are lines
are utilized

try to do have stock

Tracking the stock the top 20 suppliers -
Interviewing can homes

Timeline → already be able to
J V-8

Capital Project

Probiotic

1. Between 0.7 & 1. Keeping because
reporting of cases (test) back to
community & care homes
140,000

8-9000 per day

Age: (lower the distance the better)

Characteristics: (contact tracing to
work better)

rubbing plus schools = a
challenge

2. Subtle can amplify the
effect. Network
connectivity

retail - but ability to
enforce social distancing

Prob

Solution