

COP 26

Climate change

destruction of activities

Planned Carbon for COP 26
new plan

26% below we will
reach net zero by 2050

460 k jobs in green
economy

electric planes
hydrogen planes

moonshot

premise upon for COP 26

BP net zero

EVs will be cheaper
by 2025

UK less than 1%.

Australia 25%.

India 6%.

US 12-17%.

what we are doing we
need to take us
world with us

WT are behind
on carbon budgets

~~the~~ Dumps the

— Prime goals

— script

Patrick: we need to
integrate sequences

R & D

2027 — some things
you need to be able to do

R & D papers

new stuff we need to invest
most things we invest now
won't be there at scale
by 2050

carbon budget by 202

27m tonnes &

6m businesses

hydrogen

blending hydrogen w. natural
gas

Scale it up

opposite wind

take decisions equally
the emissions in homes
down

maximum

if you want to build a home
you will have to do it

plan what people

by 2050 80% of

homes already built

if you can't retrofit

£15k - £27k cost to

retrofit

Capex's put about £15k

19000 homes a week

Solar cheap
from 9
cents

No one has come up
w. a free new
deal scheme

11.66

W. lead

use of fix tanks

sed

densification

as we do move to
replace low-

densities with
as higher densities
means

eat meat
quickly

rees

overrun territories
p. can

Carbon sink loans
how do we build
but loans
affordable loans
climate cuts carbon

But we can do it!
→ Power sector
→ transport
→ We need a strategy
→ We need to see what we
will have to do

→

def

Govt
you can have carbon
central bank
carbon markets
industry

Atoll

Drum beat
Nature-based solution
What do we want to
China to do

100 companies are
responsible for 70% of
emissions

cost is way down

Can't let coronavirus stop us
Syria we go to launch NDC
understand

NAME
Climate Action New
for Net Zero

China - Kuazi
Norway -
clean up air supply
clean

biodiversity

Coalitions

30% ocean biodiversity

net zero

Swamp - low use subsidies

700 km a year

Nature-based solutions

Des Gyeles review

Net biodiversity

WTO join subsidies

2nd (WTO)

UKEF

Major global countries
& states

Big [Gone]

different types of
emissions

good buy

America

Brazil

green savings
bond

globally required
\$1.5T for

Steady

mean getting

Seems 2 parts

events cancelled
which are had to be done
with 1st 2 parts

Plans

lots more
ceremonies
coming paper

Trump said he could
add UK

Maybe 15 OK

Chris

208 cases confirmed

9 people now died
18 died

Intensive care
PHE confirmed 38

NHS say 112

10 - 35,000 cases in London

Intensive care data

Panick

future day to epidemic
release tank models
but we have

consent model & shields ✓

elderly

social distancing an
important part

for 9th message

much more so

more strict social distancing
measures

do it outdoors & can relax
it at

regional difference v. important

best chance

International health
respiration

calculus?

Test the new
vulnerable people
the NHS

Shielding -
flattening the curve
discussion on head
in minutes

plan - we said we
could do it at the
right time

We need to move faster
on quarantine

reinforce
household social
distancing measures

We can implement quite soon

that speed the outbreak
and helping
accelerate the plan

head down a
by road &
shield to vehicles

OR build the dam

BUT NHS

New data

2-3 weeks
in

New caution 8th delay

Social distancing
at work & leisure }

If you can work from home
Don't organize weddings

Lockdown London as
Saturday

The first wave will delay peak
by 2-3 weeks

Household quarantine
shield the elderly

coronavirus package has to be
ready in 7 days

Low limit for mass
gatherings

cancel
football clubs

4 for pub 1-2 in people are
well shielding

15 in people who
work home purely
reduced

Try to slow the epidemic down
you can't stop it
What are the implications

~~coronavirus~~ domestic abuse

Social distancing
& shielding

- shielding - package by Wed.
between 1 & 2 weeks

- social distancing

- mass gatherings

schools

E Staff

Chir

Stimulus: but we believe
have done various different
scenarios

unintended consequences
e.g. come up w. go high
intervention strategies -

onlines
mass gathering } inefficiency
short trips more effective

Upry have everyone stay at home w.
mild symptoms

reduction of peak by 20% -
2-3 week delay

We could need 80,000
critical care beds

We have 10,000

mechanical ventilators

In the interim where the
happens to NHS, the true number of
deaths will be much higher

our strategy still breaks the NHS

Our current strategy is to
get large

or plan means a - here
is the plan

May is not at two peak

July 15 March 2020

Corona

Mass gathering

Compensation
Transport
School meals
Cubnet
compulsions - have we got any!
air travel
School closure
On-site sleep
International response
bordered isolation
why has it delayed
sympathetic 14 day isolation
Spare rooms
blocks of flats?
respirators
Vaccines
Onyx
economy - debt
care homes

Mountain 5000!

iron

trains

emergency services flight
Scotland

Perrick V.

have to go on for long

& you risk a recurrence

You can take but measures intermittently

to keep NHS demand down

→ relax again when peak demand down again

3 baseline trips

You will get a second peak

Wuhan dec to 3.4

Non-Wuhan 0.7

Extrapolation

? is it possible

Evaluation

You could keep it down until a vaccine appears
Decision

1) Turn on household details by age weeks
What are the two symptoms

2) a) The most vulnerable - 1.4% stay at home
avoided by staying at home

b) Others who are more vulnerable
over 70,
pregnant women
people w. asthma etc.

Social distancing - Don't hang out
w. people but not lowest

3) Wider social distancing
No one shaking hands
reduced travel but is not strictly necessary
These will have economic impacts

What is the sustainable approach to mass gatherings?

FLATTEN THE CURVE

how is individual stay-at-home going?
how does household stay-at-home work
who explains it?
when H.S.A.H.?
what do we NEED for shielding?
how to communicate 'soft' social distancing?
what effect does this have? } we will be pushed
schools
what are the unforeseen downsides?
masks?
handshaking?
compensation for mass gatherings
will households be asked w. a cross?
over 70s - what about working in shops?
help the aged?
13-16 weeks? won't be so crazy?
~~How do we differentiate between the means for vulnerable groups & strictly?~~
So shielding is NOT cocooning - a bad word
Social distancing is a soft measure
Mass gatherings
pubs
clubs
restaurants } these are the key transmitters
what are the legal rules? compensation?

are seen to future

we have an economy without contact?

we have contactless bank cards

Contactless payments

Can we be more remote with each other

CYCLING - it's got to be massive

footwear contact

effect of stopping social mixing is high

school closures

Thurs

need to be very careful in communicating some of these ideas

Make the centre

up to the like

economic context, attitude

Household isolation

How many people per household?

What is a household?

How cap max?

How do they feed themselves?

Does it start tomorrow?

equity - must be fair

SAGE says do it now

Space room? What is the prob?

MEAG - forcing people to get an infection

SHIELDING ? What is the difference?

→ numbers

- St. CURVE -

new wave

- flattish - and

PaWith

We are a week ahead, where we thought we were
Household isolation will reduce peak by 25%.

Vulnerable groups

Spread distancing behaviours

Chris Woodhead

Household stay at home -

Will reduce peak by 25%.

Given where we are on curve - we recommend

WORKALD

How do we keep supply line below NHS capacity

Shield

SOFT social distancing - not a set of rules

General advice but where to go can be

looks not dangerous to children
if we ban schools - we are forced like

(Plans)

20-30,000 cars here

Mass gatherings

- a trust issue cut in
public health advice

Flying

China until 18 April
Why not us?
Italy 8 April
how
By don't get mess again

Social distancing

Media

Lee
Times
Daily Telegraph

Stephen Mulo

Annual response

people's questions

The second round will be held in Sub-Saharan Africa

Checkers sub on it until Jan

We began our fiscal framework for 2 years

Working on fiscal rules

291 cases yds

22 deaths

57 overall

Intensive Care units

55 on intensive care

40 in London

London will be first

Guidance to public!

Concom lockdown -

distance of public

shielding?

Policy (look ends?)

Plans

developed with govt at 1pm

Chancellor / Governor

G7 at 2

Manufacturers call to arms

tsky -

are we in line w. WHO

details of plan

what do I do?

public good pub bad

we recommend options

tsky: 3 part plan

1) ramp up test - band test

5k to 10k

2) Home tsky - Mass tsky

we have come on market in last 4 days

3) blood test - see if you

have the antibodies

commencing self - contained

tsky

Deep mind

3.55pm Cobra

plus developed

CDL

needs see others

NHS - running not

we can lean on others

or assemble discharge

non cancerous brain tumours

my need ventilators in -

assertive discharge

pressure on London hospital

True of social distancing policies
particularly important in London

ms

liquidity - what does it mean?
ask/bid
why?
zombie companies?
big people -
what is a corporate bond spread?
Does that mean to say always high interest
bid - offer spreads?
what is a liquid asset?
What do you mean by deleveraging & hedge funds
Counter - cyclical capital buffer
how do we stop it going to the pockets of the rich
what about zombie companies
can there be an opportunity for restructuring?

What is happening in China? Due to weak growth?
there is no long of costly fix

How much credit can we push out?
Can we SVE but Chinese?

What is the legal position re: the article - from Singapore.
There can be no govt liabilities.

What are the opportunities for human agents?
The problem is that a disease is spreading contact

What prospects for input substitution?

Is there a case for accelerating R&D?

What is happening now?
Putting in the measures?

Volkswagen launched
Tiguan's internet system

Andrew Bailey

At least the banking system is now supporting the economy
dislocation in dollar markets

The dollar is a shocker for confidence in world economy
big corporates want help from banks
EXXON wanted \$10bn

We want the banks to lend not to be aid

Gilt shaded out malpurchasing —
Mandell's functions

Last week biased towards SMEs. What about SMEs?
What do we do w. BA? Virgin?
Loan guarantee scheme

What we are creating is a vehicle that
can make loans to corporates

Take some emergency powers — So we get money in the way out
We will provide loans with equity warrants

We will come in w. equity or the upside

Stanford now on to remote learn

but we are doing it?

→ important
signment
has been lack of
coordination

— we are not to keep running
moving

→ embodied lot of
computers

— coordinated response to
fiscal

~~fixed~~ ~~measures~~ to bank
to market

→ Monetary policy → bank

→ keep financial system 98

→ & remember is for
publications who do the
not damage

→ guided by service —

Shingo -
 making an effort calmly &
 Shingo to deliver the Olympic Games
 hope that G20 is a
 chance to show our G20 leaders
 market's value for the
 coronavirus

Hydra G20
 statement - as any we
 don't know we can't be
 sure that & WHO
 we closed the schools &
 universities
 keep to apply class
 hospital too much

Giuseppe
 virus
 we need to
 fight against the
 medical equipment for Italy

→ my draconian measure
 → 14 days at home
 → we are following
 14 days
 → common
 travel rules
 - Shingo
 - stop movement
 → how long for

4 CUS Patrick

rate of increase
35 annual deaths +
20 55 annual
extensive care - under

Platt -

protect yourself
prevent deaths
prevent NHS

We should feel you should
ask for advice

Nista : a lot of fear &
concern

compliance high but how to

Members of
the frame

schools?

Arlene (Michelle)

What are the day-to-day medical
conditions

Large gatherings what numbers

Mark - Swens
& means

HEE guidelines on how to
stay at home

Go to work - go to
school + reduce
contact with school

future support for older people
colours

Large gatherings
Universities for demonstrators
work for

LONDON

Mark Mark Proctor

Chloroquine if patient becomes ill
Need for clarity
Even if it's only eyes-only
it will be true advertising

Swire 14 deaths 298 cases

Why advise not to
Eyes not 1st language

Ramadan April 23
Messages on Ramadan

Support mechanisms for elderly
food banks
rough sleepers

Parliament?
Impact
Schools ✓
Hiring?
What does Govt do to
curse?
economic
behavioural impact?
Just groups

Schools? NHS?
Govt National?

Schools

Public buying

Food & drink
in schools?

Paul ✓
Oliver ✓
Don't know ✓
Alan ✓
Robert ✓
Pitt ✓
~~Ed~~
George ✓

Ed

Lee

Just groups will be
consulted - some of
experience needed
advertising needs to be done

Heart disease (renal disease)
asthma

14 days - no visit

no visit for anyone else

Schools - one of the best
effective measures

70% reduction in peak
cd in higher if a lot of
adherence - may be necessary to
take a decision about schools

governments

Leads - including business rates

LEF is the lead -

working together NHS & council

self-isolation - a big piece of
work on holding them

Volunteers - NHS

very deep - may be worse to
implement in No simple solutions
facing with it

sector can cope w - 20%.

abundance

lead time for closing schools

for retail & food sector

done

exceptional circumstances where we might

grad national - we
need to prepare them

free school weeks kids
what about them?

working classes -

basic information - classes
high level of resistance in the
public
numbers, resistance

Games - it's made it more
difficult to keep
schools open.
medical conditions
asthma makes a lot of
kids out

Symptoms - mini-measures to
keep burden off
schools

30 school closes today
22,000 schools

George - pressure on the
schools system

more panic buying
running beyond supplies capacity

Next - panic buying

Key to rights
moving

EU →

~~for vaccination~~ test

Sintering

It can just dent into a
mould

like pouring wax into a mould

regulations that you need to design

→ we must do this ~~series~~ ^{series}
1) we will help ~~numbers & usually~~

2) we have a task

3) we have been pushing
down

4) we need some visitors

7 $\frac{1}{2}$ - you need 30,000

Early 7 years - gone out there
John Will

112 cases
new

ICU 59

44 in London

55

529.4
hospital

59 in ICU

curve

With public health guidance
Exercise possible

reopening dentists
London & Liverpool
date every day
more dentists

Statement after market close
Squeezed means for
hospitality

Insurance today
business interruption
infectious diseases
my are within parameters

The banks and businesses full over
Subsidising people's wages

Schools - By next weekend
open

Friday

— connect. feeds
— test
— change
— ventilator

→ volunteers

→ supermarkets } → no panic buying

computer v. add'l

We have to be very robust

1 a line of the sand

200,000

600 - 700,000 British abroad
3 in abroad

reparation

airlines about to go bust
No travel whatsoever

negative bookings

80% of Egyptian places
will be booked

£100m per month Egyptian
leaves

foreign contracts

30 day travel ban on
Schengen area

restrict travel outside EU
countries

We are where I didn't want to be

→ economy is down

→ ~~The more it falls~~ the source of the crisis is

→ we have two paths

→ we are now in a way

→ we can depress it

→ we can lift the NHS

→ vertical

→ 150

→ there is a huge national effort

→ good news

→ 150

→ essential expenditure

→ voluntary

→ drive change

→

→ large package

→ robust on policy

— the job
manages at
put time

→ We face the legacy of debt
we are going to be at the back

~~This is a wa
but it is not
address. my degree. as
well~~

— We can work with
— more people work with
— need to do?

- We can
- must people
- All we need to do?
- means "political"

Alone
 crossroads
 aviation
 regulatory elements

Matt ✓
 Don ✓
 COL ✓
 Liz ✓
 Robert ✓
 Grant ✓
 Alex ✓
 Brandon ✓
 Jacob (Nat) ✓
 Ti ✓
 Priya ✓
 Grant ✓

Mike ✓
 George ✓
 Ben Wall ✓
 Chris White ✓
 Gavin ✓
 Simon Hunt ✓
 Oliver ✓

national effort for ventilators
 policy means much earlier in the
 centre - to protect lives
 on risk

gone : ~~from~~
 needs dealers
 regulatory building
 critical natural infrastructure
 Universal basic income

Don : change to FCO travel and
 against all but essential travel
 which reduces the cost of demand

Jacob - potential to combine -
 but for needs to be held to account
 Nat 2 right have a degree

U2

OECD predicts 3-75% drop
 in trade
 a danger of higher - up - neighbor policies
 avoid new barriers to trade
 get rid of tariffs on medical supplies
 What about do we do after
 initial phase

Robert Jenrick - high street
 left behind towns
 change regulations ^{incentives} so that as there can
 be a take away -
 as more change on plans ?
 local resilience forums
 coroners - shielding

working markets, vent, mortgages
 evidence policy who there
 guidance to court services
 asking individuals with

of course

Spoke in wheel sales 1
50% - front & back
Sells and negotiates
Once we get into absolute levels
some subscription to create to supply
check

check

Full negotiations

free drives
major variations - claims
moral - death

Gavin

Some elements in schools
a sure place for children to be
going to primary & people
this means
as well as universities
death features in same
place as doctors & nurses
free school meals
the current point class we
have a red path
School CMO

all gate switch gate
with gate operators need to be
in level land

larger center looking forward

front - cargo won't be
able to fly. so we need
front solution. liquid
aircraft sits bet us and for
cargo -
rail - just trains. Sav service if

Robert
Aren't we pay trial
the system starts to shut
this about
prices - have it but our form
diagnosis - ① export value
this went wrong. know one not old school
units. workforce -
recycle

Brandon
Thrice threatened to breakdown
exec over schools down
covering not going much advice

Oliver

100% of ex. pensioner
National energy debt
ensuring donations are deployed

[T12]

Level of benefit
We do anticipate a sig. rise in people
wants to use our services - frustration
90% turning up for work
People must not be enticed -
how to reduce the risk

Pati Coordinates portfolios
turning into LRFs
market & marginal
border for stuff and loads

Alister Jones

Subs
looking to do caps to differentiate
trapping - double it to £60
post month

DIFFERENT WAYS OF WORKING

Morgan's scheme

Nationalisation
when does insurance work n?

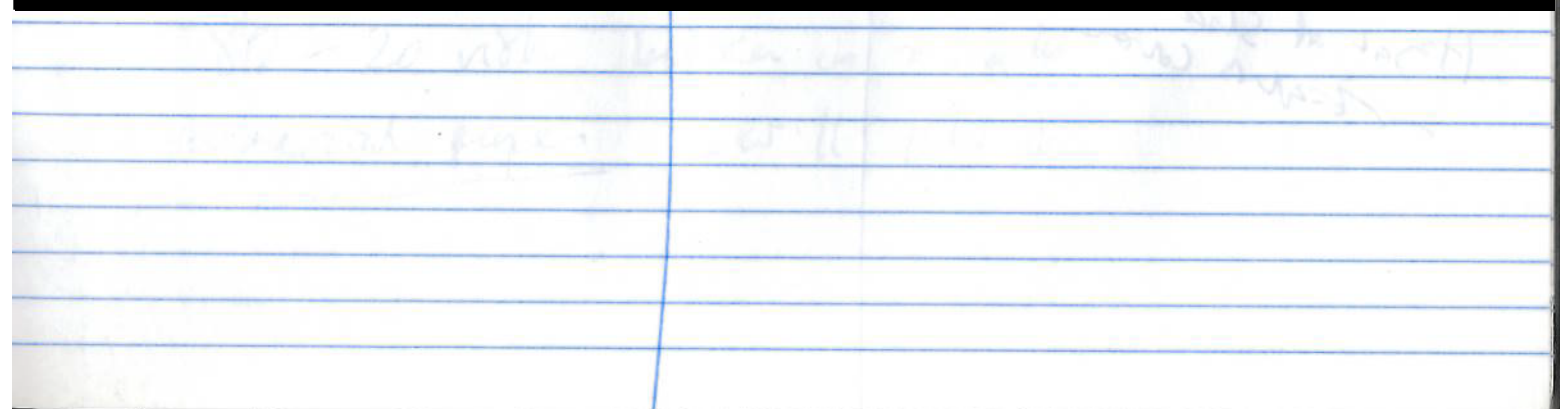
body can be a rule away
substantially to ± 60

can on subsidies

banker easing off a mortgage payments
state to pay proper mortgage
corporation - tax relief

the c

National Security Redaction



Lydia

state action that no one has seen before
whatever it takes

They are talking about loan guarantees
The donor gov
We will ~~get~~^{give} commercial paper

Anyone who wants come to a few under guard.
I have heard about too business interruption loans

British set of loan guarantees
emergency power to make that unlimited

fixed up gov bodies -
quick & straightforward package of measures

We covered most SMEs

No business rates £11 bn
retail, leisure, hospitality

£3000 small business grant -

£10 k → grant
retail value up to £15k

£11 + £15 bn

business up to £15k

25k per business -
high retail leisure
hospitality

80 - 20 with between us & banks

Commercial paper - will take it

Universal credit

£74 a week

SSP £94

Extra cash for vulnerable people

Some bit of employment subsidy scheme

- business doesn't pay
- person has some income
- we protect their job

No

Mortgages

rents

insurance

If you have money & temptation, it will pay out

general distrust over

27,000 die in winter
because of no coal

how fast can we
get this money to people

Barclays
to help us

Rishi - fairly nervous about job
there to be sold
all the tools you need to get things
£30bn package of support
get back loan £330bn
provide us with capital as required
liquidity among larger firms
loans of up to £5m for first 6 months
start of next week

Not just I think
business friendly
to are doing it
but challenge it
I am one we are
to get some
out of suffering

unemployment was first time
in 1975

Legal power to give whatever support is needed
specific public sector
No business rate for 1 year
Cash grant of £25k to bridge to future period
Business rate holiday irrespective of stable value
We have a £300³⁴ cash grant
feds increase cash grant to 10 k

financial boost
3 month mortgage holiday
New forms of employment exp
whatever resources NTS need, it will get

5 Apr Easter Leds

6th April → 17th April
Mondy 20th onwards

Prerec Leds

Mondy to sat children

who go to school and
children of key workers
Vulnerable

10% of the kids

→ doing it as preferentially as possible

Try'll handle whatever the head

Some schools where all done

because teachers are i/schools.

We only work for

key workers & vulnerable children
children in need

children of educational needs & care plans
learning difficulties

If all the teachers are self-isolating

2 weeks to 6th April

Schools are safe

Schools Patrick Vallance

Under 2-3 weeks away from intensive care
not very full
school closures will double a 10-15% difference
in but context

It is offset by increased contact w. grandparents
is increased contact a problem

grandparents a bit 50s - so not a risk
grey

About 15% of NHS workforce not be affected
benefits can be gained of 20-20% still
about school

~~From analysis~~ Schools are closed

Patrick V. - transport down 40%

work down 13%

a lot of people have made 6.9 efforts

We can't wait & watch -
intensive care units full

Italy may be over word but

which activities?
schools / colleges / churches
restaurants / bars / theatres

workplaces - indoor work
non-essential retail

~~Here~~ Science & public pressure in same place
Mark Drakeford

qualifications

April
+ 508 closed today
over easter
Don't talk about summer -

Vouchers to be distributed to
each school
payment

Katli the double the economy list
15-20% quote a quarter

Matt

Never Coffey

Duff pre school meals
parents who will come to stay at
home

What about parents' income

Schools are safe

Key workers

- food supply

^{Asshi}
Locations can be a disaster

Our company to get lot more
we need him to standardize Q&A
again - &

July is 2 weeks away from 29th

If we can't raise to cost
we are bankrupt

SAGE = from a medical point of
view

It'd be best in 15-20 days
we discover we did enough

try not to demoralize sustainable to
climate activists - people not doing their

climate activists
behaviour enough

come out of more aggressive measures

~~the world is not a disaster~~

Labrador out in a 11th

Our paper to get the news
We can use to 2 letters

copy - of
that is 2 weeks
The next one is to cost
It is more expensive

8/12/71 - from a student

It is a 12 - 15
one hundred at the end

for the 12th of the year
The next one is to cost

Cost of 12th of the year

~~8/12/71~~

12th of the year

(6) please in every series

is special way to the end
from

the crafts
sunder

Some of the biologists
have an autotest

discovery between the
means

I do believe in Schep
of peace

q lot of tourist people
among people and in
France

we compare

SHIELDING

MASKS

VENTILATORS

TRAVEL

TESTING

TESTING

FRANCE

BARs

RESTAURANTS

SURVEILLANCE

3 MONTH
PLAN

Phatt

he agrees

SENDING patients to the hospitals

Unisham: trust has decided ventilator care to

Mark Sweeney

Yes is Not up to

Reboot

Cris - but sp of business where p to 1) to get people to need

Theresa Coffey has to be a national approach
Spreads are

SHIELDING

NTS send letter to care w. clear guidelines
printed manual → on door mats from Monday

Letter will direct individuals

Do you have p's family & NTS support?
if you are a car
latter

RWP

mediums demand of NTS by pharma

Good printed by local authorities
cultural units

Military planners

Volunteers will do door to door in next couple of days
put by hospital

Maybe scope to do better

80%

SERCO

all the information will help

28,000

2500 in the

1500 unknown

Meeting Monday / Tuesday

60% have SMS capable systems
events are very sparse at the

43% are over 70

groups: individual

Rattle Plan

Met
Vaccines -
antivirals

dos chloroquine
ready work

TESTING

up to 1000 p day a big surveillance vaccine injected
2000 tests in the field

City Bacteriology antibody test

10,000 a day

Plasma Filter

5.5 liter swab

120,000 per day

REAGENTS

On your phone

working that out
every 10 days

making direct test machines

so we can be able to test key workers

100 tests arriving next week

Gove → daily update

number of tests carried out

→ we need to break down time

→ targets

ICPAIP

SWABS

interrupt

Supply supply
OK

all or most complete

Ventilates

LCU

PPE

9492

English

Ch.

222 = 1000 - 778

1000 - 778 = 222

1000 - 778 = 222

1000 - 778 = 222

1000 - 778 = 222

1000 - 778 = 222

1000 - 778 = 222

1000 - 778 = 222

1000 - 778 = 222

1000 - 778 = 222

1000 - 778 = 222

21 March
Chris

335 ICU

193 → up to

143 but by before

and 700 ICU beds in
London

Shortshirts
half the front row

of strong education - Content
workers use it

to put pressure on gov. It has rolled down
back into to become a vehicle
a variety of different ideas
each of 116 eq

Friends have not outlined who they workers are
Even if industrial dispute resolved - we need means
highlighted dis engagement
Included depends on shortshirts as well

We have relaxed water & fire standards to stars
alone

P & O Skua days & weeks of jobs left
yellowhammer as & news agent.

Freight movement contract
direct words -
I need supplier intervention -

Ventilators →
PPE
plan
crisps &
rotter

WHERE IS THE
PLAN?

Do we need to
do so

25% of 1000
wishes buying
80% of 1000 wishes buying

40% increase in sales
once you have passed the peak time &
plateau &

when we get to public other issues we may need public

10% of 1000 who are in the country
we may have serious shop outlays

Farmers & growers will be making decisions
now about what to plant
salad

~~see~~ G coping decisions

3 large bread manufacturers

supermarkets stocked at the clock

Meats & fresh produce

Blue hour

[Poli] → we should not raise expectations - but cope and be
in supermarkets

single conditions

780 1000 units

Newcastle Park - low speeds across land

[2800] ventilated units
+ 300 in under

DOUBLING TIMES
2.

3 & half doubling
times

3 ~ $\frac{1}{2}$ doubles time
that'd be 9 days

ICU beds
operng labs & recovery rooms

177 dealer

right oxygenation

any DIP or other
distributors

2 in marks

4 in a lay 48 hrs

(meo)

ventilators
more km 30, k

currents in
pieces of b

5555

1.7.11

Public plan

Volunteers campaign

Business information campaign

fake gov. UK

April 2020

cheques

plan to come back Friday

home antibody test

overcomplicated

business were closed

36% keep business

55% say ~~less~~ keep as is

8% say decrease

Don't know

Social distancing

V Bed & ICU capacity we have kept

critique on testing PPE

drawing of confidence of competence from

The big issue is what does suit look like
menu of options — mid-May

daily meetings Raab CDL Rishi Hancock

Are we trying to minimise any future spread or
to mitigate

Nonlinear step

PPE

grows

domestic supply is initial

all is progress -
we have

Tom Shinner a day away from total stock-out of
gowns

Steve / Emily Jonathan Mason

300 people doing PPE for and the world

building up UK emergency make capacity

20 ~ 30 potential orders

None of that at the scale

means - being to the state

some degree of manufacturing

Good things

1.1.2020

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mask

Masks

low - margin disposable stuff

Don Shinn

Centers for epidemic control
data on the

critical care beds -
we have kept it

Some
hospitals have more beds

Manchester has not all its
✓ BEDS

Not unduly worried

Social care hours -
numbers still rising

different rates of increase

100,000 figure

2 new Superlabs

prices down

Thermofisher - supply

draw for US -

food plan - a risky
plan.

PPE should
be catered
manufacturers

if they suddenly do
by hat & undo
we have to take
space

Flagents Supply

(Marks) - we haven't
put out a call for
marks
we're not putting out
demand

Masks / PPE

Subj & gen for
campaign - on both sides
You can't have transparency
w/out PPE

disposable masks not being
traded -

FFP3 stock

We can't make our own masks

^{Sweeney}
how long will you need to
test to get better fix
on spread

if we want to move to mass
trading & testing
you need to get as much
you can on R

how
far down the
curve are we

~~we have time~~

- ONS sample
What is the time level
of the disease &
What is R0

Jonathan Black.

The choice between Singapore
& Sweden
financing & what the public
feels about the means
tests & tracing

what's the ^{document}
end of April / start of May

What our bodies is &
what our target process

job retention scheme
people will start to be
made redundant

Cab see -
even w. China

how can we operate
safely w. covid

Schedule

have to be done

sector by sector

you can agree
because you have worked
out how to do so

Refers

Mumukshu

- all the

we will deliver

part

we will

Monday 20 April 2020 3pm

- 1 Data
- 2 Moment plots
- 3 Sub Strains
- 4 Principles - NHTS - we will not
- 5

Declar - admissions just to flat
We have an epidemic for
HOSPITAL & care home
both worried about how 2 things
these 2 are

Tom Skinner PPE numbers
underlying structure of situation
Size of challenge even worse - ramping up demand
continuous increasing usage,
over next 90 days 1.5 bn aprons short

APRONS 1) increase buying
2) making more
3) Rejection - 6 yr in
4) driving down demand -
two body bags for one body - we need to
ration (will be unpopular & difficult)

They will have to use lower grade stuff
5) absolute shortages now

Issues

Some overuse of this stuff
they have only put some too modelling - it
didn't work

a whole bundle of the prices have not yet been fixed
- changing the guidance didn't work -
Core question of PPE & hospital management
international buying

Enblassa / Jonathan Marston

biggest PPE manufacturer in India has not been
approached

but can take to go level

Total demand is for 1.766 bn aprons } worst
1.1 bn case } case
600m NHTS } rejection

It'd come to 200m

You don't need intense care levels of demand
8000 aprons a day per hospital

non-field resistant gown
not a waterproof apron

Deighton more - supply
Turkish - supply at that
level
highly political international
market

We are in defence

Short - the
we can squeeze as
as we like out of the

Lesson

FACE MASKS

School

Ed Lister - 50% are using -
in body bags -
just a few are in it. just a
plastic bag.

Don

workplace - schools
public transport
outdoors, home isolation
shielding -

1st - masks

What the committee looks like -
the way

get paper towels

14,000 for Bunnings
140,000 with/Ther

face masks

you are used
body bags -
too many

guidance
you are using

I don't see how we are going to
reduce usage

50% are people going to sell
somes

NHS saying I don't need their help

they can't do domestic products -

Trump
CEO Moderna

make that

- NHS
- no plan
- domestic supply no good
- it's been a poor start
- can't explain to people
- we MUST have a plan

1 GW

John

We are doing PPE - political

campaign

get PPE

then / Labour party attack a bit

usage

New guidance

some of the management -

You need to use less

where as were over-using it before

The PPE that is appropriate

no more no less

what to do if you don't have don't have to guess

87,000

36,000 a day

We have sign to get us tight in process a week

Burne / Turkey - gets us to P in a week

unwind a lot of bureaucracy

3 in a day again - 603

Thursday -

John reduce -

We have to get sign a deal

20 companies - to do a lot of

don't manufacture

but if you PPE

Probs & ambassador

Canby w/ out ref to

UK - Barbara can

sign of work

We have had 7000 companies

had to separate work & production

We need to P with each one of them

rethinking

probs

Thatcher's contribution

core sectors of economy

decent

ts/s

more confident in this one
50-50 - not a few days
capturing
how do you get people to v for sits
by one or track
the wider pool come from
negotiate
markets more of the public
sector to get listed. if you find
more to get listed

apom / PPE

deep dive - data on forecasts -
not credible on one whole stock
assumption that don't hold water -
domestic precursors

Two April / Mkt

gms viewed for

Dispute - got to be at 3 ways of
seeing w. this

domestic supply / international supply /
reduce deficit -

what stock we have got to right level
More likely to make MEDIUM TERM
Rst international purchase

Who do I call to find what's real
Emily needs bespoke leadership

Not clear in w. HMT - not bid
agone to get PPE we need

But continue to work with

Antonio Romeo take one not pre-announced
side
Pence

1.8/5

→ Nigra

→ inputs

→ Duper

→ PR

→ Turkish

Tom Stamer

more confident for Emily (assess
NHS)

PH

centring at very small

Domestic side

international side

↓
Dispute / when
Blade

Antonio

Two April

Chy Gene horns / NHS

Under estimate is too low
daily reports signs -
in hospital

MASKS for Mark Cohen

where masks

Some sort of launch /

If you are extra false

asymptomatic transmission
is to be much more
common than we realised

CMO will have to do

Whitty

pharmacists were last advised to wear
masks - and have better stock of
masks

why
 to the peak
 gentle decline down
 still peaks
 data
 + indirect deaths -
 diffusive care being down
 104 numbers down
 masks for 17/18 months
 is drops when it begins
 taken
 large peak
 positive trend

Patrick Vallance
 8-9 April numbers -
 city - difference - Covid
 cases - ambulance - cases
 12-13 April hospital admissions
 look to test it
 R will follow down in city
 begins to get to come back -
 London -
 but have avoided -
 peak but into the NHS
 we'd expect it to come
 down further
 value of R -

Singapore - fastest going under
 of cases
 South Korea - contained
 Sweden - schools - a higher rate of
 infection rate

def to early to make days
 7 May
 2 weeks forward - given
 Don

Chris Whitty
 Germany / Greece
 we will not see a same kind of
 people define their cases in
 different ways
 opt-stated that mobility
 were not be a kind of counters
 somewhere in the picture

hard for others R as we can be

| | |
|--|------------------|
| Hong Kong IPEV app testing vaccine | ✓ ✓ ✓ ✓ |
|--|------------------|

Let's test a lot more
surveillance

Males

If can take a much lighter
regimen after load

10% decrease
of cases

110 vaccine programs
80 are serious
naïve

Cancer treatment

23 2020 Covid
leaves

data
critical care
400 in hospital
downward sloping pattern
downward sloping
care homes
25% of care homes
have care homes
3 of care homes in NW
London most compliant
public sector absence rates - people on

PPE stock - our major needs person - to
get DHSC approval
we don't have the stock in the system
Jonathan Marrow
New Agreements

trying self-sufficiency
demand - wider to eligibility
so lets not be used up

Trade & Travel 18-20k people
David Williams

Ventilators

media - uncertain

sub data

transparency - also - to get another
ratio down

May

Don't

Conc. We were built a trade & trace system

21st
We will have good standard data
blood test - blood from children

May 7 → 14th
Level of infection halving
14 May 4 k
21 May 2 k
28 May 1 k

Care homes

15% if you are over 70

Trade & trace

May 23 2020
David [signature]
[signature]

6.9 - my helpline or
fellow / experience
ideas don't work -

onward reduce
111 calls, ambulances and for
Grid -
by domestic falls in numbers
waiting time 7-9 days
not good reception
glitter battle in the time R
w. ONS surveys.

hospital admissions have also
dropped. The number in hospital
has come down -
small drop in intensive care units
number of cases in cardiology
respiratory cases that
will persist (peak in respiratory
deaths in start decline)

ONS data
In London - 14-15%
a lot worse in rest of the
country
at least some antibiotics are
overhauled

Schles populi Supreme Gov

Fraser

When we have
the numbers we can't
be wrong
has to work

Valance

The ability to monitor is crucial
significant -

Do we have a monitoring system
information per self-reports
white water test
similar for 6th way

Surveillance system
Defence team (system - then what
copies)

100 k a day
close to the numbers for

DAVID WILLIAMS
120,000 tests a day
to trace

then several cases (NHS)
then population NHS population

200 k by end of May

Economic

economic activity
dropped to about as
much as 50/50

data current prevalence
tuesday or Friday

25 movement the week after
ONS mobility data will be out on
Tuesday

Risk of transmission is very low
outdoors

Schools

early years / childcare
last week of May

primary or childcare
you can get older children back

among educational leaders

asymptomatic transmission
children don't play as big a
part as
schools are a good way of looking

Transport

small shops

what has happened

When permitted
MAYOR hit 1%

ONS date
epidemic - 12%
protocols

schools - May
been very about

→ we cannot ^{be}
now make a hypothesis
new rules

→ we can't draw a full picture
→ we need to look at
→ ONS

→ But we need to get ready
→ have-type plans

→ schools
→ workplaces
→ shops
→ pub-

→ budget
→ smooth

→ monitor
→ testing & tracing
→ PPE

→ apps
→ advice - to correct

→ epidemic to
save life

latter

going live

is it right 18 hrs

2) 18,000 human contact traces
30,000 cars per day

100,000 new cases a day ?

2 weeks to 1 day

3) Vaccines - Oxford people has worked
well.

The numbers go up

Merck

Oxford / Cambridge with strong <
deal to do

