

Message

From: McLean, Angela SCS (CSA-Personal) [Angela.Mclean113@mod.gov.uk]
Sent: 12/04/2020 8:44:36 PM
To: Vallance, Patrick (GO-Science) [P.Vallance1@[redacted] I&S]; Whitty, Chris [Chris.Whitty@dhsc.gov.uk]
CC: Wainwright, Stuart (Go Science) [Stuart.Wainwright@[redacted] I&S]; Graham Medley
[redacted Irrelevant & Sensitive]; Neil Ferguson [redacted Irrelevant & Sensitive]; John Edmunds
[redacted Irrelevant & Sensitive]; Government Chief Scientific Adviser (GO-Science) [GCSA@[redacted] I&S]
Government Chief Scientific Adviser (GO-Science) [GCSA@[redacted] I&S]
Subject: RE: Post lockdown scenarios - discussion document
Attachments: Post lockdown Scenarios V4 + ALL commented.docx
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Dear Patrick,

I am sending you a highly commented document, because I think the comments are more interesting than a simple edit would be.

We can't pluck out numbers to put in straight off. As always there is great uncertainty generated by the unknown fraction of completely hidden cases. For me the next biggest uncertainty is how well we could shield the known vulnerable.

I'm not sure what we want to do with this document?

JNG do you think we could produce a table of the numbers at least in orders of magnitude.

However I think the dichotomy for politicians is simpler than that

Do you want to keep COVID deaths as low as possible until pharmaceuticals produce a solution

Or

Are you prepared to define a tolerable level of COVID deaths that would allow us to start moving towards an immune population whilst we wait.

The devil is then how small can "tolerable" be and still move us towards an immune population at some meaningful rate.

Perhaps we could do that - if you want to be at population immunity within a year, we cannot imagine getting there with any fewer than N deaths...

Angela

From: Vallance, Patrick (GO-Science) <P.Vallance1@[redacted] I&S>

Sent: 12 April 2020 15:34

[See recipients listed above]

Subject: RE: Post lockdown scenarios - discussion document

Dear Angela et al

This is very clear and helpful. I have added a series of questions (attached in the document) and would be grateful for your views on these. I have also attached the table that Simon pulled together which I think you have seen but am not certain. Once we have had a think about the questions, I think this will become part of our discussion at SAGE on Tuesday but we may benefit from a smaller group discussion tomorrow. We also need to consider a few of the assumptions and how happy we are about them (eg the ability to shield effectively), and issues like age-based release or geographical approaches. We will also have to address the specific questions from CO at the SAGE meeting.

Shall we plan to speak tomorrow?

Patrick

From: McLean, Angela SCS (CSA-Personal) <Angela.Mclean113@mod.gov.uk>

Sent: 12 April 2020 11:06

[See recipients listed above]

Subject: Post lockdown scenarios - discussion document

Dear Patrick and Chris,

PFA a document drafted by John E, Neil, Graham and me describing two post-lockdown scenarios.

Best wishes,

Angela

Professor Dame Angela McLean | Chief Scientific Adviser | UK Ministry of Defence

MOD Main Building 5.G.13 | Tel: **Irrelevant & Sensitive** | [CSA Private Office \(email\)](#)