



National Digital Id System through the Covid-19 backdoor?

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pandemic, apps, and identity

- contact tracing apps build graph of id's
- immunity passporting attributes an id
 - exposure notification warns of risky id
 - all may also map location
 - may be used to enforce compliance
- surveillance isn't all bad:
 - note also public health benefits
 - epidemiology-who/where is more

Do no harm...





tech solutionism or tech giant solutionism?

- original app (e.g. flu phone 2009)
 - driven by LSHTM/medical needs: critical to understand disease
 - tracking down people secondary
 - that benefit depends on tracing->isolation-> treatment or vaccines.
- GAEN doesn't meet primary urgent medical need. You trust Gapple more than NHS?



The UK has eschewed National Id Cards

1. Campaigners argued:

2. but we have

3. national insurance numbers, driving licenses, passports, NHS numbers etc

4. And many private identifiers too

5. Why not simplify?





Plus points for unifying gov id

1. Joins over data help government
2. Also KYC 100\$ redux to 10cents
3. Assuming government competent
4. Assuming data accurate (HMRC stories)
5. Assuming unique ID (NHS stories)
6. What could possibly go wrong



Methods for unifying

1. Single Id
2. Federate Id systems
3. Keep systems separate and let users do join
4. add yours here



Opportunities for improvement

1. Biometrics
2. Data Science/de-noise/wrangers
3. Users self-improve (google scholar/wiki style)
4. Claims (cost/benefit) that I don't believe :-)
 1. <https://www.gov.uk/government/publications/joined-up-data-in-government-the-future-of-data-linking-methods/privacy-preserving-record-linkage-in-the-context-of-a-national-statistics-institute>
 2. <https://www.mckinsey.com/~media/McKinsey/Business%20Functions/McKinsey%20Digital/Our%20Insights/Digital%20identification%20A%20key%20to%20inclusive%20growth/MGI-Digital-identification-Report.pdf>

How too enforce separation

- Tech&Law
- Case study - Immunity Passports
- or as we prefer, Antibody Certificates
- lame excuse
- war stories here:

INTERNATIONAL CERTIFICATE OF VACCINATION OR REVACCINATION
AGAINST YELLOW FEVER
CERTIFICAT INTERNATIONAL DE VACCINATION OU DE REVACCINATION
CONTRE LA FIEVRE JAUNE

This is to certify that } JOHN } CLAWCROFT
Je soussigné(e) certifie que }
whose signature follows } } date of Birth }
dont la signature suit } } né(e) le }
has on the date indicated been vaccinated or revaccinated against yellow fever. } sex }
a été vacciné(e) ou revacciné(e) contre la fièvre jaune à la date indiquée. } sexe }

Date	Signature and professional status of vaccinator Signature et qualité professionnelle du vaccinateur	Manufacture and batch no. of vaccine Fabricant du vaccin employé et numéro du lot	Official stamp of vaccinating centre Cachet officiel du centre de vaccination
1 16 NOV 90	R. N. BÉHRENS MBChB CONSULTANT PHYSICIAN	WELLCOME BATCH No. VF 57143	HOSPITAL FOR TROPICAL DISEASES TRAVEL CLINIC
2			
3			

References



- [Digital Identity: The missing piece of the Governments Exit Strategy, from Tony Blair's Institute for Global Change: https://institute.global/policy/digital-identity-missing-piece-governments-exit-strategy](https://institute.global/policy/digital-identity-missing-piece-governments-exit-strategy)
- [Plus see also https://institute.global/policy/new-approach-digital-identity](https://institute.global/policy/new-approach-digital-identity)
- [SecureABC: Secure AntiBody Certificates for COVID-19, https://arxiv.org/abs/2005.11833](https://arxiv.org/abs/2005.11833)
- [https://arxiv.org/abs/2004.04059, TraceSecure: Towards Privacy Preserving Contact Tracing](https://arxiv.org/abs/2004.04059)
- [So why do either of these two apps need any moore than pseudonyms + linking service to NHS number?](#)



Who Am I?

