

Privacy in a Time of Pandemic



Venice, California

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Competing Values



Mumbai, India

No Perfect Balance



Valencia, Spain

Three Principles

Lawmakers should:

1. Treat intrusions on privacy in the public interest as exceptions rather than norms
2. Define the basic civil rights guarantees that should hold even if privacy is weakened
3. Heavily restrict how they use any information collected during a crisis

A large-scale mural on a dark wooden surface depicts a female nurse with blue eyes and brown hair tied back in a red bandana. She wears a light blue surgical mask over her mouth and nose. Her hands are clasped around the hand of a patient, whose arm is visible in the foreground. The patient's arm is light-colored with dark brown stripes. On the patient's forearm, the word "Nurse" is written in black cursive script, followed by a red plus sign. The background is a dark, textured wood.

Legislating COVID

Dallas, Texas

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- HHS stated that all civil liberties, especially regarding age, disability, and minority status, should be still be honored and not impact treatment

Breaking the Rules



Gaza City



Telehealth Adjustments

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- Lifting of penalties for violations of Privacy, Security, and Breach Notification Rules that occur in good-faith provisioning of telehealth
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- Physicians are banned from using public-facing communications but allowed to use non-public-facing apps and texting platforms



Emerging Laws

Houston, Texas

GOOD



BETTER



BEST



CCDPA

ENPA

PHEPA

Covid Data Uses

Ways forward

Data tools for the covid-19 pandemic

Application	Purpose	Data source	Civil liberties risk	Where it's happening
Quarantine enforcement	Knowing people are where they should be	GPS data sent from bracelet or phone	Medium	Hong Kong, Taiwan, Singapore, China
Contact tracing	Knowing whose paths have crossed	Top down: Government takes data from platforms	High	Singapore, S. Korea
		Bottom up: Phones provide data to each other	Low	Worldwide
Flow modelling	Knowing how many people pass through places, and how quickly	Mobile-phone-tower data	Low	Google, US, probably more
Social-graph making	Knowing which people tend to meet repeatedly	Mobile-phone-tower data with machine learning	High	Nowhere known

Source: *The Economist*



Contact Tracing

Porto, Portugal

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Traditional

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Digital

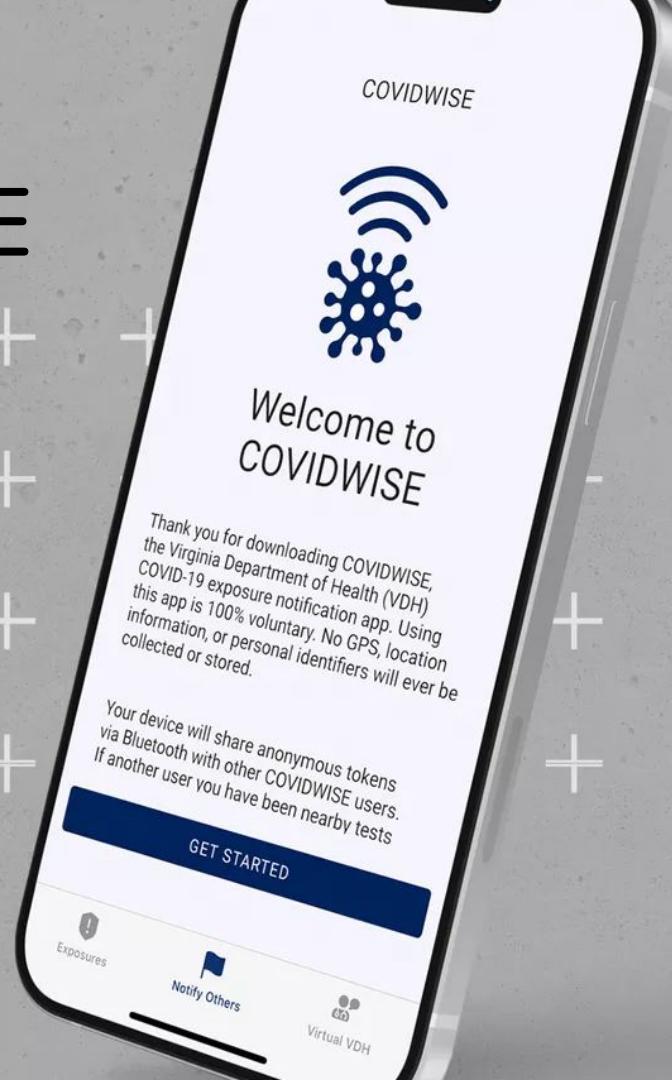
- Requires connected on-person devices or CCTV or biometric sensors
- Generates broad “dragnet” datasets
- Needs marketing and participation across 60-75% of populace

Tracing Apps

-MAPA-



Virginia's COVIDWISE



Consent and Control

QUAL LADO DA
CORDA VOCÊ TÁ?



We analysed 47 contact tracing apps in 28 countries in detail and found that many put users' privacy at risk.

- 25 apps (53%) do not disclose how long they will store users' data for
- 28 apps (60%) have no publicly stated anonymity measures
- 24 apps (51%) contain Google and Facebook tracking
- 9 apps contain Google AdSense trackers
- 11 apps contain Google conversion tracking and re-marketing code
- 7 apps include code from Facebook

-TOP10VPN COVID-19 Digital Rights Tracker

Geolocation and Proximity Data



Data Anonymization



...has history ever shown that once the government has surveillance tools, it will maintain modesty and caution when using them?

-Hu Yong, Professor at Peking University's School of Journalism and Communication



Total Information Awareness



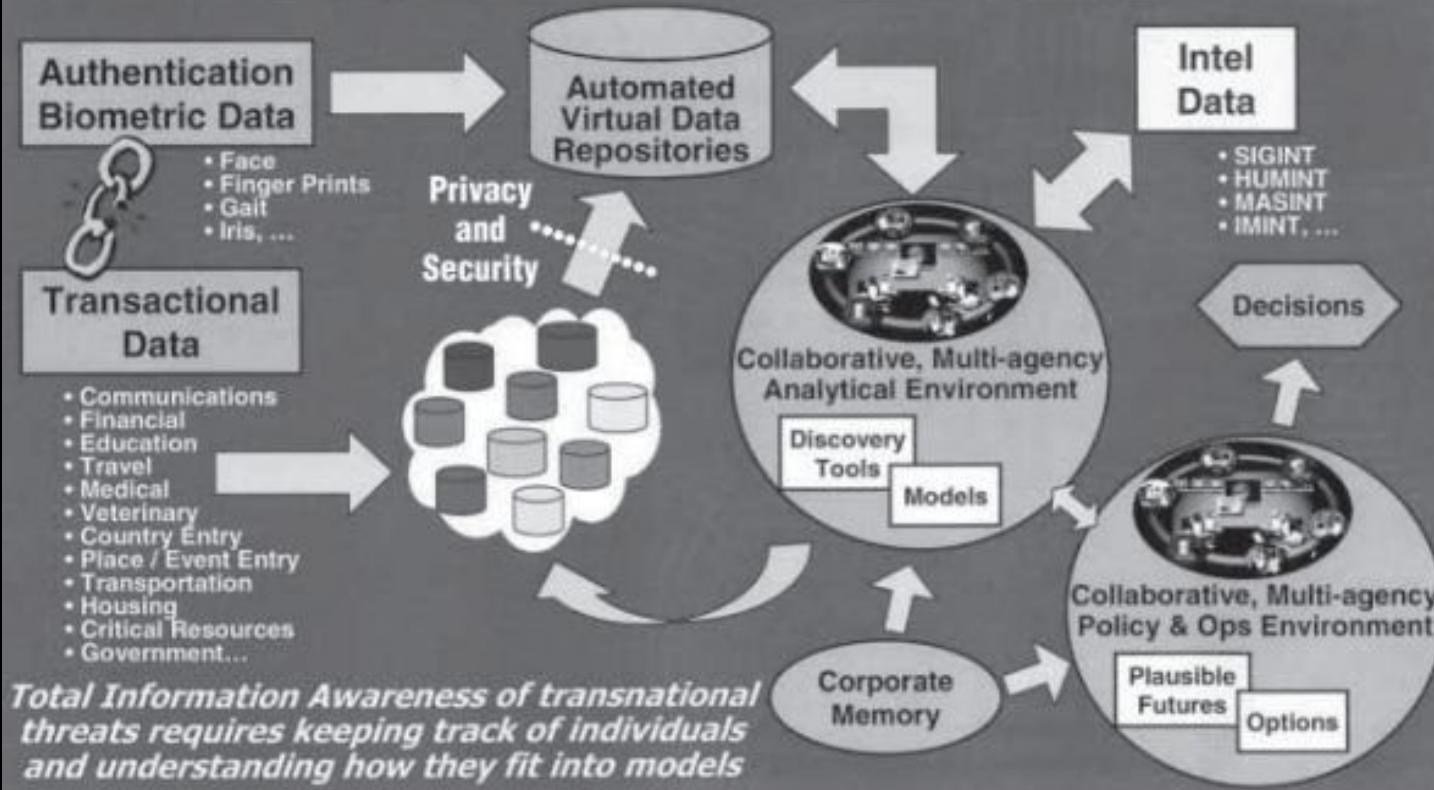
Weston-super-Mare, England



TIA System



Detect ➡ Classify ➡ ID ➡ Track ➡ Understand ➡ Preempt



...a new and deadly virus has emerged. The virus is terrorism whose intent to inflict destruction is unconstrained by human feeling...

-Tony Blair, 2003



History Repeats



New York City, New York



What's Next?

Calle
FUNKY COOK

Mexico City, Mexico

Developing Topics

- Drone surveillance for elevated temperatures and social distancing
- Immunity passports or verified credentials of test results
- Facial recognition, gait, and thermal image surveillance
- Remote body temperature sensors
- Ankle and wrist devices for location tracking
- Geo-located selfies to prove quarantine compliance
- Tracking of user density by devices in one area
- Crisis response technology and surveillance becoming permanent
- Censorship of press and citizens' freedom of expression
- Federal government seizure of mobile telecommunications data
- Predictive infection risk assessments from purchase history and search queries

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- Don't panic: some data sharing is necessary to fight the pandemic

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- Express your views on pending legislation to your representative
- Donate to privacy-protecting organizations like the EFF and ACLU
- Understand your legal privacy rights for health and online data
- Research apps carefully before installing them and sharing data
- Don't panic -- some data is necessary to fight the pandemic
- Weigh the value of your private rights against the public good

Q & A



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Austin, Texas

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