

C-19 Verifiable Credentials and beyond

Power of Digital Public Infrastructure (DIVOC) to deliver
National Scale Health Programs

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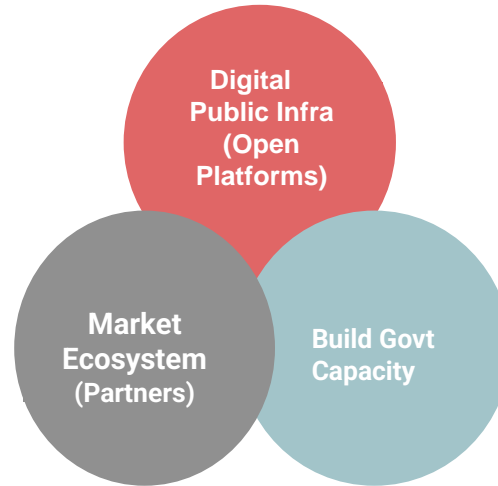


We build Digital Public Infrastructure and partner with Governments to drive national scale Digital Transformations

SDGs we work on



3 Pillars of our work



Impact

4 sectors- Health, Sanitation, Governance and Public Finance
7 countries & 16 sub-national Govts
2 National missions with Govt of India
Over **250mn** citizens serviced
2.3Bn+ Covid certificates issued
100+ Partners for implementation

Supported By

BILL &
MELINDA
GATES
foundation

UN
OMIDYAR NETWORK

TATA TRUSTS

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philanthropies

The Background

Back in November 2020, the only way to rein in a raging COVID-19 wave was to vaccinate citizens as quickly as possible.



Back in Nov 2020, countries needed to run vaccination programs at scale and speed to save livelihoods and lives

An approach that **works at scale** (>10 million vaccinations/day) and **scales what works** (choice of vaccines, process improvements, etc.)

An **elastic system** (from 10,000 vaccinations a day to 10 million a day)

Digital first design that is evolvable

A system which is **agile and responsive**

Real time observability is key through telemetry and analytics

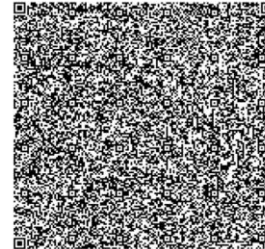
DIVOC COVID-19 VACCINATION CERTIFICATE

- Conforming to WHO/IHR guidelines* based on W3C verifiable credential* specifications
- Aligns with FHIR or ICD codifications.
- Authenticity verifiable via digitally signed QR code
- Available digitally on smartphone with QR code
- Printable for non-smartphone users
- Multilingual templates (for data and layout)
- Ability for users to download/print after vaccination either at facility or from home in self/assisted modes
- Integratable to Lockers and other apps



Government of Jamaica

COVID-19 VACCINATION CERTIFICATE



Full Name:
John Doe
Date of Birth (YYYY-MM-DD):
1987-04-21
Sex:
Male
Issuer:
Ministry of Health and Wellness
Date of Issue (YYYY-MM-DD):
06-Jul-2022

This is a secure QR code and can be verified by using the scan functionality at

Certificate ID: 919026281

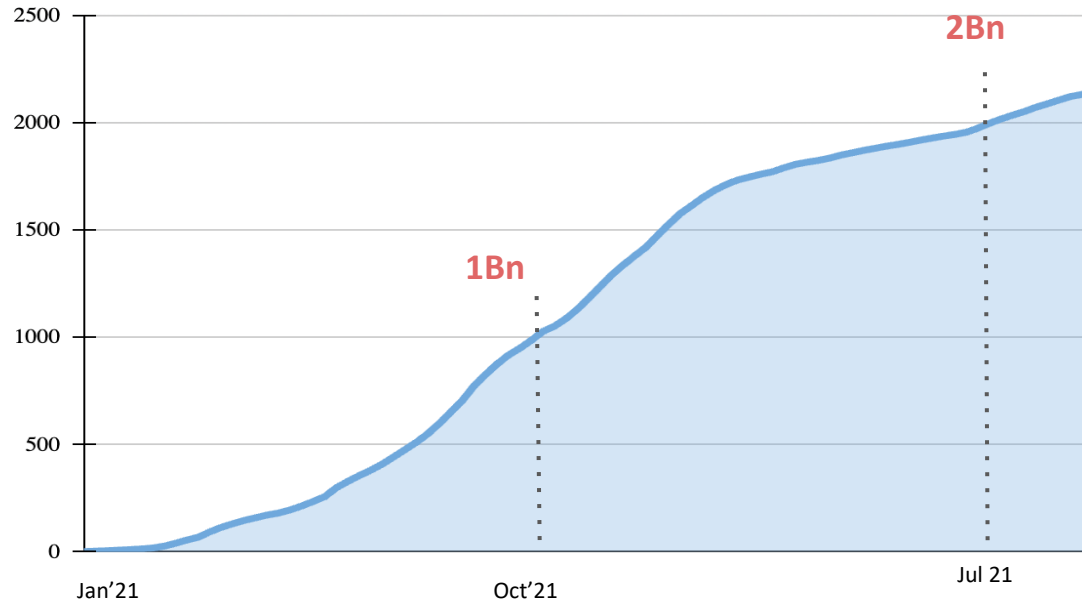
Dose No.	Date of Vaccination (YYYY-MM-DD)	Vaccine/ Prophylaxis	Brand, Manufacturer	Batch Number	Administering Centre	Country of Vaccination
1	17-Jul-2021	XMSQWB, COVID-19 vaccine, non-replicating viral vector	astrazeneca	41202025	MOH Gothatawa	JAM

CHIEF MEDICAL OFFICER

Vaccine Dose of 2 Administered

A person is considered fully vaccinated 14 days after 2nd dose (or 1st and full dose of J&J)

2Bn Covid-19 Certificates issued across 5 countries in 18 months



The design and architecture of DIVOC enabled this rapid scale without any hiccups.

In each country a deep collaboration with ecosystem partners was crucial to execution; DIVOC's open architecture enabled quick and easy integrations with existing systems



Ministry of Health & Family Welfare
Government of India



Ministry of Health




The story of Latiben and her nursing certificate

No. 117669

KARNATAKA STATE DIPLOMA IN NURSING EXAMINATION BOARD
ಕರ್ನಾಟಕ ರಾಜ್ಯ ರೂಪರೂಪ ನಿರ್ವಹಣಾ ಪರಿಷತ್
BENGALURU

DIPLOMA IN GENERAL NURSING AND MIDWIFERY
TRAINING 3½ YEARS COURSE

COMPLETION CERTIFICATE



This is to certify that Sri/Smt. [REDACTED] (LATIBEN) [REDACTED]
S/o / D/o Sri. [REDACTED]

has undergone training in General Nursing and Midwifery for a period of 3½ years vide
Register No. [REDACTED] at [REDACTED] School of Nursing,
Hospet [REDACTED] District, Karnataka, India
and successfully completed the course during the month of March-2020 as detailed below:

I. Theoretical & Practical Training: From 01/09/2012 To 30/09/2019
[REDACTED]

II. Internship Training for 6 months: From 01/10/2019 To 31/03/2020

III. The Passing of all Qualifying Examination: March-2020

He / She is a qualified trained Nurse and Midwife

[Signature]

5/5/2020

Beyond COVID: VCs to increase trust in health transactions

- Increase trust in digital health documents, as it will be **tamper proof**
- Health documents will be **more accessible** for citizens anywhere, anytime
- Agencies can rollout large scale documents **at scale, at speed and at significant lower cost**
- Allows for **verification with no internet**, less infrastructure needed
- Provides seamless, **API based integration** with Consumer Wallets and other Apps
- Fits in scenarios where there is no binding relationship between provider(s) and verifier(s)

From the team who builds population scale platforms

Thank You

