![OpenCRVS]

Establishing Identity at Birth: Foundational ID Issuance for Newborns

Achieve legal identity for all and inclusive government service delivery by scaling OpenCRVS

Norad

CO
CO-DEVELOP

SUSTAINABLE DEVELOPMENT GOALS

"by 2030 provide legal identity for all including birth registration"

SDG 16.9 states the imperative to create an effective Civil Registration and Vital Statistics Systems
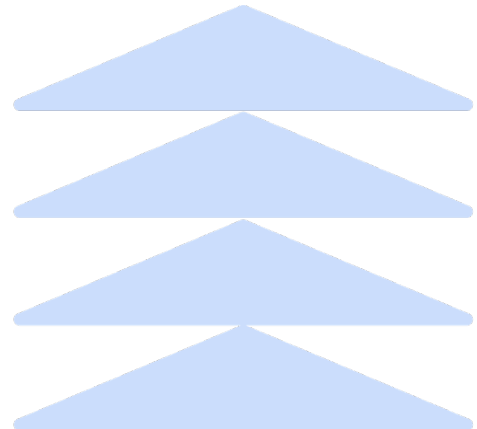
"Globally, an estimated 850 million people do not have official proof of identity. Over half of those without proof of identity are children whose births have not been registered"

ID4D Annual Report, 2022
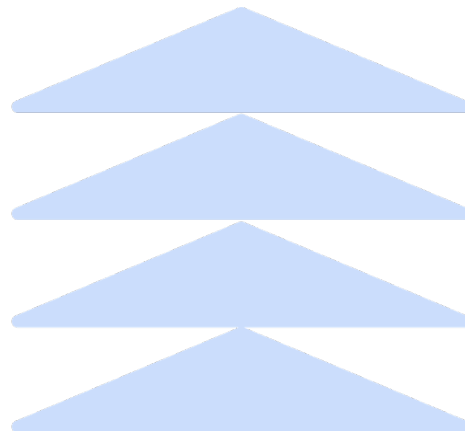
"[CRVS is] the continuous, permanent, compulsory, and universal recording of the occurrence and characteristics of vital events (live births, deaths, fetal deaths, marriages, and divorces) and other civil status events..."

United Nations Statistics Division

THE WORLD BANK
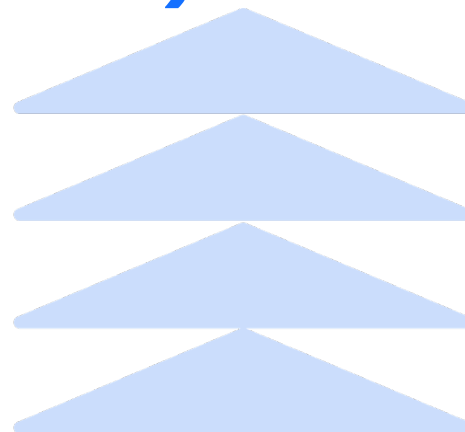
"**Robust CRVS systems linked to identity management systems and tailored to local contexts form the foundation of all sectors and pillars of the economy and contribute to the sustainable development goals to end poverty, and ensure prosperity for all.**"

World Bank
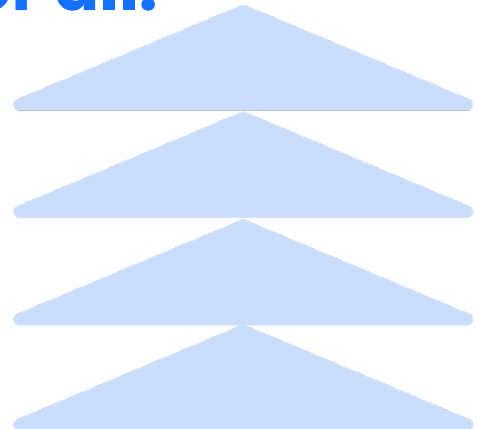
Benefits of Civil Registration & ID for citizens

- Have a proof of legal identity, from birth for a lifetime

- Recognised, protected and provided for

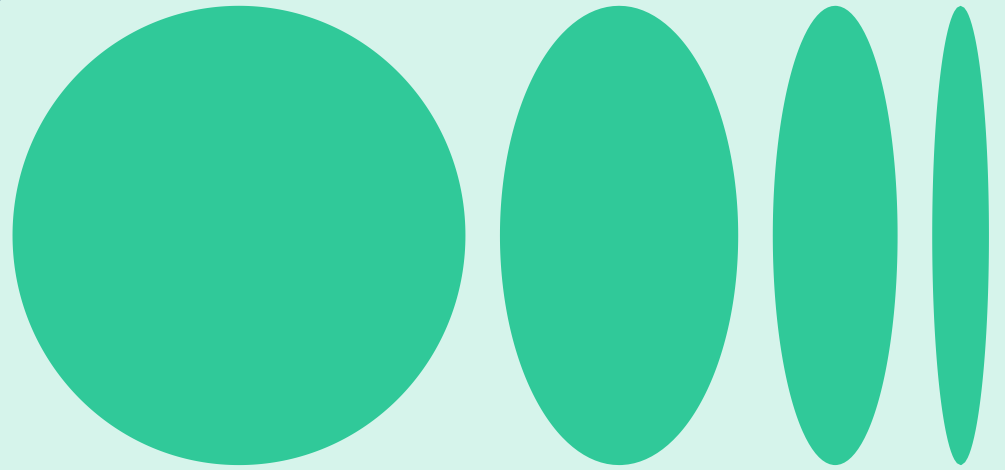# Benefits of Civil Registration & ID for government

- Reduce identity fraud

- Reduce welfare leakages

- Leave no-one behind by making legal identity universal

OpenCRVS – a critical part of effective DPI

Social Assistant Programmes

Inclusive access for those eligible for social welfare payments eg. child grants

Healthcare

Universal and equitable access to health services from birth

National ID

Identity data set kept continuously up to date with births and deaths

Birth + OO Death –

Maintains the integrity of eGov systems and ensures they are inclusive and accurate

Education

School enrollment able to target specific children at primary school age

Voter Registration

Maintenance of accurate electoral roles for free and fair elections

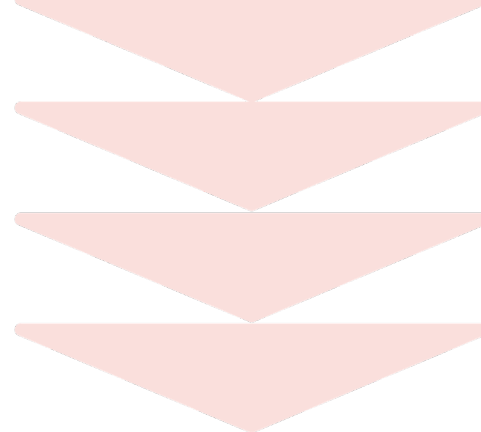# Start at the beginning

Current Status

25%

of children under five
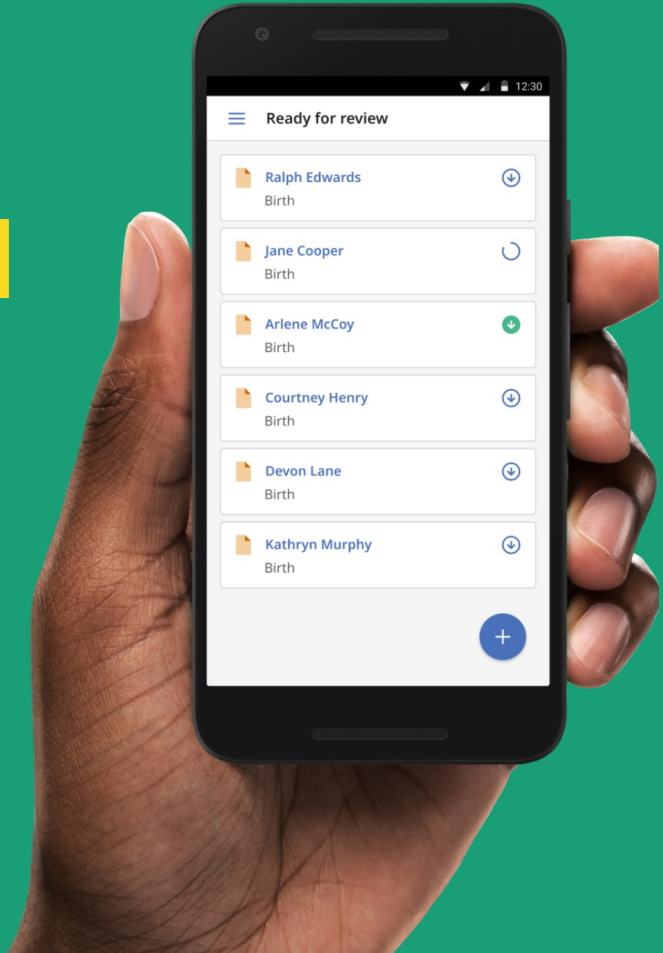do not officially exist

UNICEF

66%

of the world's deaths
are unrecorded

WHO

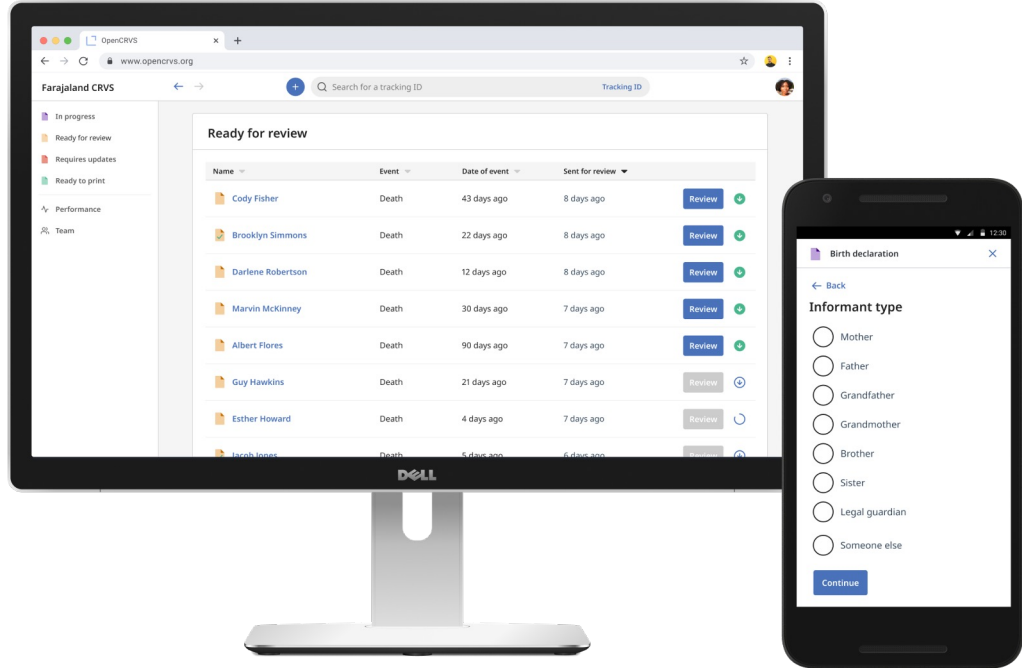# The **gold standard** for digital civil registration

Transforming how civil registration works around the world

- Increasing the number of life events recorded

- Capturing high quality and meaningful data

- Provide the trusted source of life events for the whole of government

- Protecting personal data

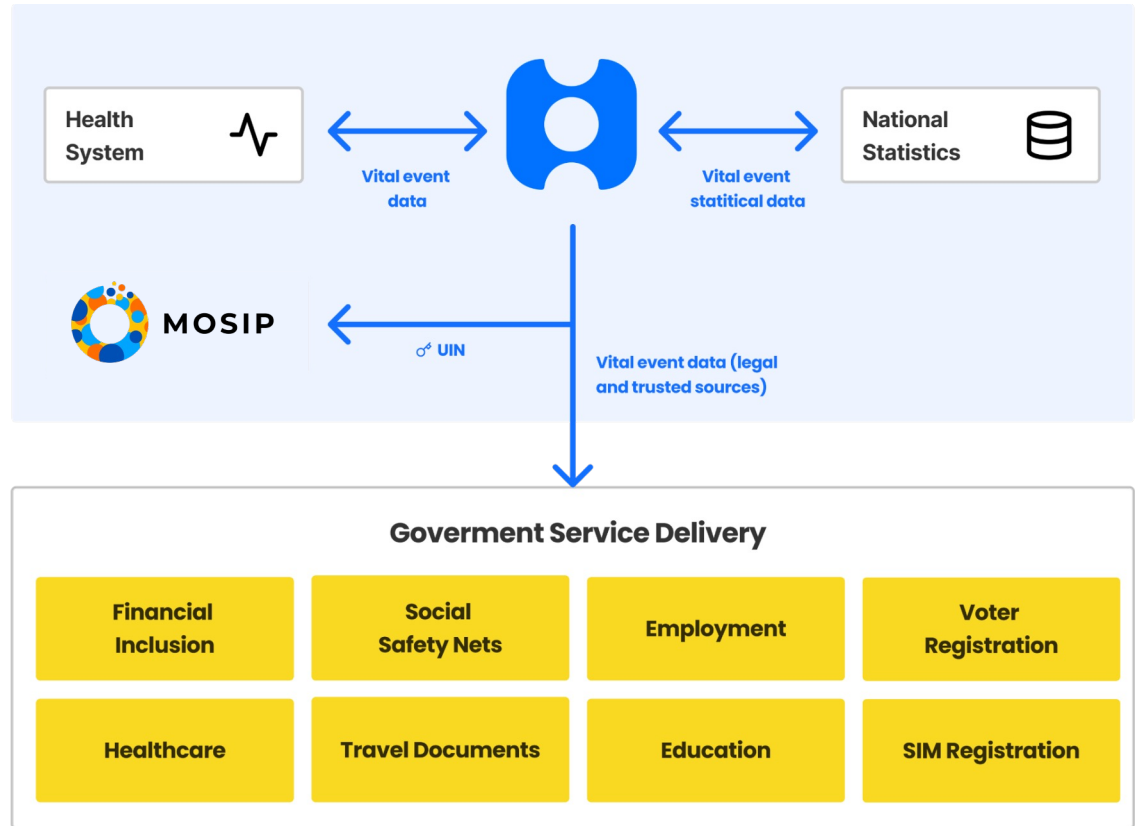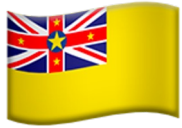- Making system implementation and maintenance easy

OpenCRVS

Open-source, digital civil registration system designed to positively transform civil registration services in low-resource settings

OpenCRVS & MOSIP in the foundational identity ecosystem

Health System

Vital event data

National Statistics

Vital event statitical data

MOSIP

♂ UIN

Vital event data (legal and trusted sources)

Goverment Service Delivery

| Financial Inclusion | Social Safety Nets | Employment | Voter Registration |
| Healthcare | Travel Documents | Education | SIM Registration |

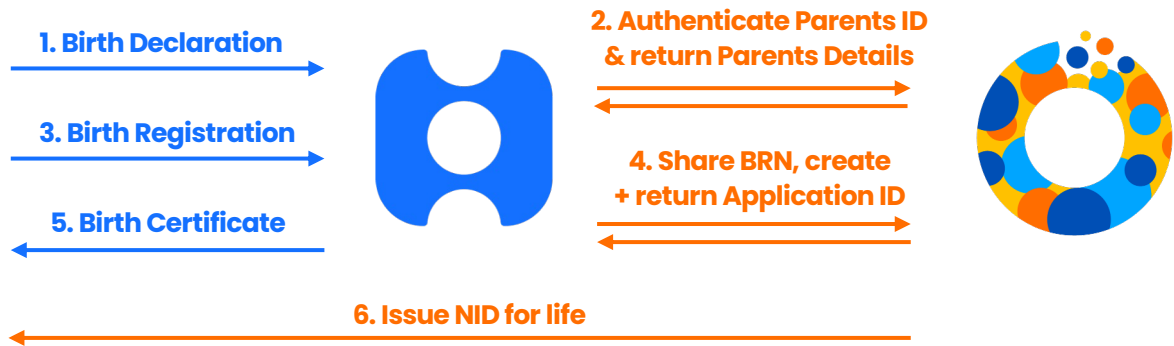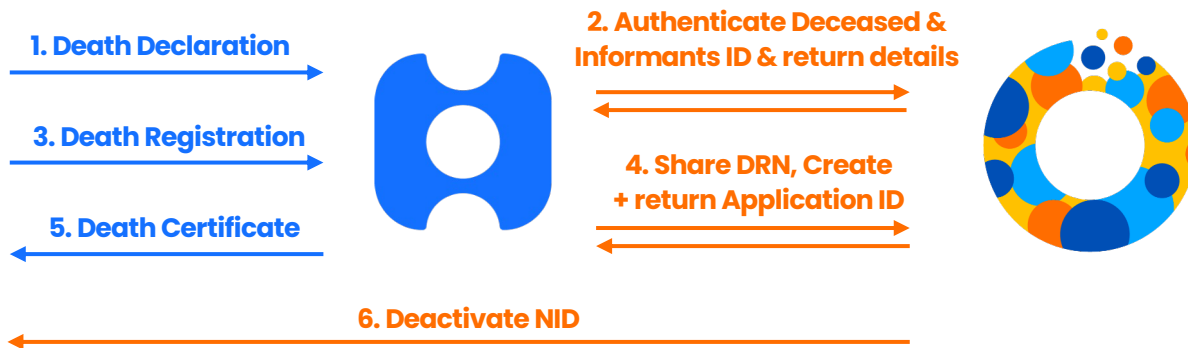# OpenCRVS is being used across 3 continents

🇳🇺 🇨🇲 🇵🇭 🇲🇬 🇸🇴
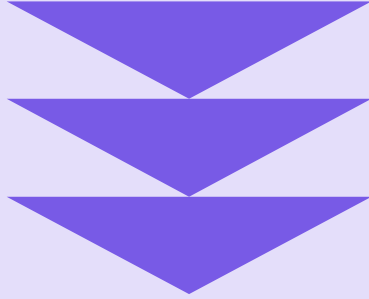
OpenCRVS

Birth Interoperability

Authenticating parents ID, populated birth declaration form, linking the BRN with the ID and creating an NID for life

1. Birth Declaration

2. Authenticate Parents ID & return Parents Details

3. Birth Registration

4. Share BRN, create + return Application ID

5. Birth Certificate

6. Issue NID for life

OpenCRVS

Death Interoperability

Authenticating Informants and Deceased ID, populating death declaration form, creating and sharing an application ID and revoking the deceased's NID

1. Death Declaration

2. Authenticate Deceased & Informants ID & return details

3. Death Registration

4. Share DRN, Create + return Application ID

5. Death Certificate

6. Deactivate NID
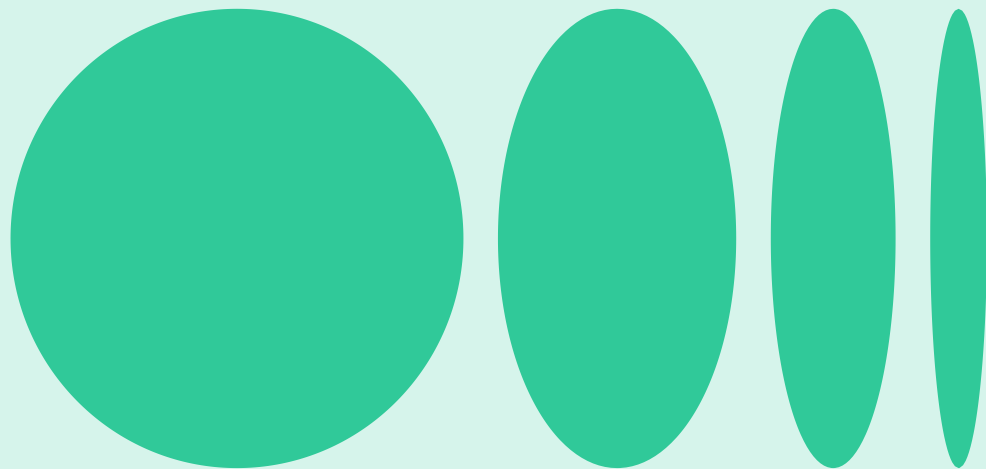
OpenCRVS

Product Demo

OpenCRVS + MOSIP
current features

- OpenCRVS integrates with MOSIP E-Signet for parent/informant NID auth & consent during birth/death registration application (online).

- On birth registration MOSIP NID is created. On death registration MOSIP NID is invalidated.

OpenCRVS + MOSIP
planned features

- Parent/informant NID auth & consent (offline)

- Certificates in Inji wallet … Verifiable Credential

- OpenCRVS record correction updates MOSIP record

- Search CR records by MOSIP NID

Q & A

OpenCRVS

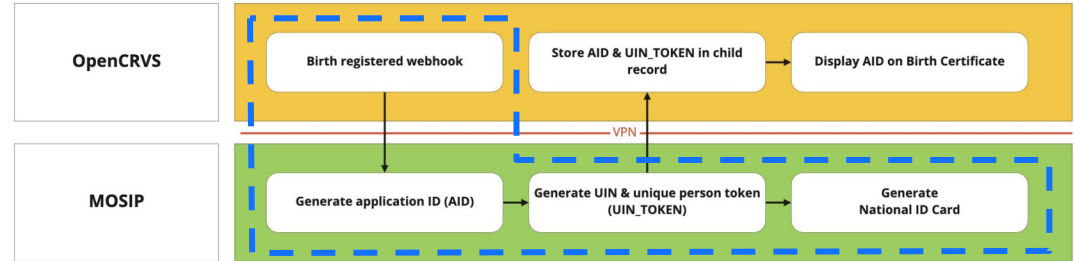|	
Website	www.opencrvs.org
Code repository	github.com/opencrvs
Documentation	documentation.opencrvs.org
Community Forum	community.opencrvs.org
LinkedIn	@Opencrvs
Twitter	@OpenCRVS

Annex

OpenCRVS › MOSIP Integration

1. **A parent visits the registration office to register the birth of their child**

2. **The Registration Clerk completes the digital form in OpenCRVS and enters the parent's NID number**

3. **The parent is asked to authenticate themselves (biometrics, OTP etc.) and gives consent for their data to be shared for registration purposes**

4. **The ID is validated in MOSIP and the parent's details are auto-populated in the OpenCRVS application**

5. **The birth is registered in openCRVS and the birth details are shared with MOSIP**

6. **MOSIP returns an Application ID to OpenCRVS which is included on the birth certificate**

7. **The parent receives an email with the child's ID card and identification number to access services (e.g. health app)**

8. **Later in life, the death of the individual is registered in OpenCRVS. The Registration Clerk enters the deceased's ID details which are shared with MOSIP.**

9. **If the same ID number is now used to try and access services authentication will not work as the NID has been deactivated in MOSIP.**

OpenCRVS

OpenCRVS › MOSIP Integration

1. **On registration of a birth in OpenCRVS, MOSIP is automatically informed (webhook) and generates an application ID that can later be used to retrieve a National ID number (UIN) and card.**

2. The MOSIP application ID and unique person token is returned to OpenCRVS and stored in the child's birth record.

3. When the Civil Registrar prints the Birth Certificate, the MOSIP application ID is printed on the certificate (if required).
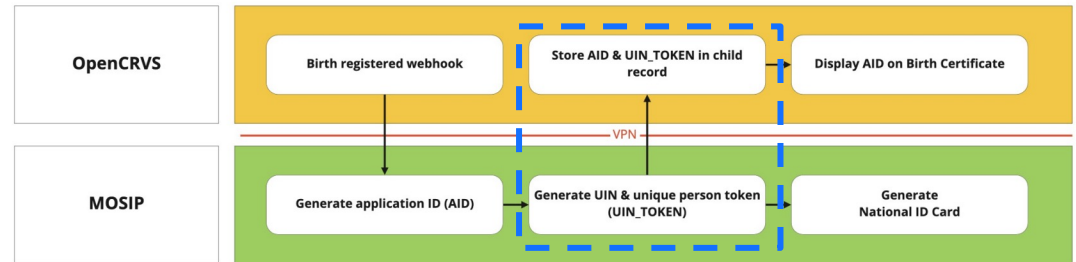
High Level Birth Scenario

OpenCRVS
- Birth registered webhook
- Store AID & UIN_TOKEN in child record
- Display AID on Birth Certificate

VPN

MOSIP
- Generate application ID (AID)
- Generate UIN & unique person token (UIN_TOKEN)
- Generate National ID Card

OpenCRVS

OpenCRVS › MOSIP Integration

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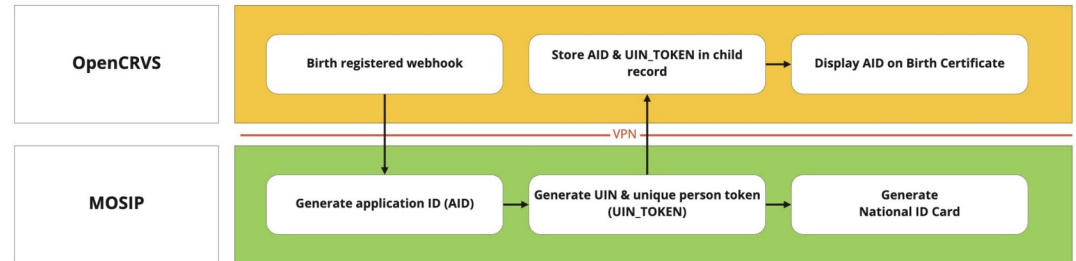
High Level Birth Scenario

OpenCRVS

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High Level Birth Scenario

OpenCRVS	Birth registered webhook	Store AID & UIN_TOKEN in child record	Display AID on Birth Certificate

VPN

MOSIP	Generate application ID (AID)	Generate UIN & unique person token (UIN_TOKEN)	Generate National ID Card

OpenCRVS

OpenCRVS 1.3 › MOSIP Integration (e-Signet)

OpenCRVS now supports authentication of informants through integration with the e-Signet app and pre-population of the declaration form. [Video demonstration](#)