



# Aadhaar: Inclusion of Children

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# Who is This Child?



6-hour old baby



Vaccination camp, Benin



Food distribution, courtesy, WFP



# Aadhaar Enrollment

## Capturing Demographic & Biometrics Information

### Demographic Data



Name



Address

Optional



Gender



Date of Birth



Mobile



e-Mail

Name, Date of Birth (age), gender, address, mobile number and email(optional)

### Biometrics Data



Photograph of face



10 fingerprints and 2 irises capture



### For enrolling children

In case of children below 5 years, parents' / guardian's name, Aadhaar and biometrics have to be provided at the time of enrolment.

# Lowering Enrollment Age for Aadhaar

- India has ~67,000 births/day (25 million births/year)
- CDC defines child development age groups



Infant: 0-1 yrs



Toddlers: 1-2 yrs



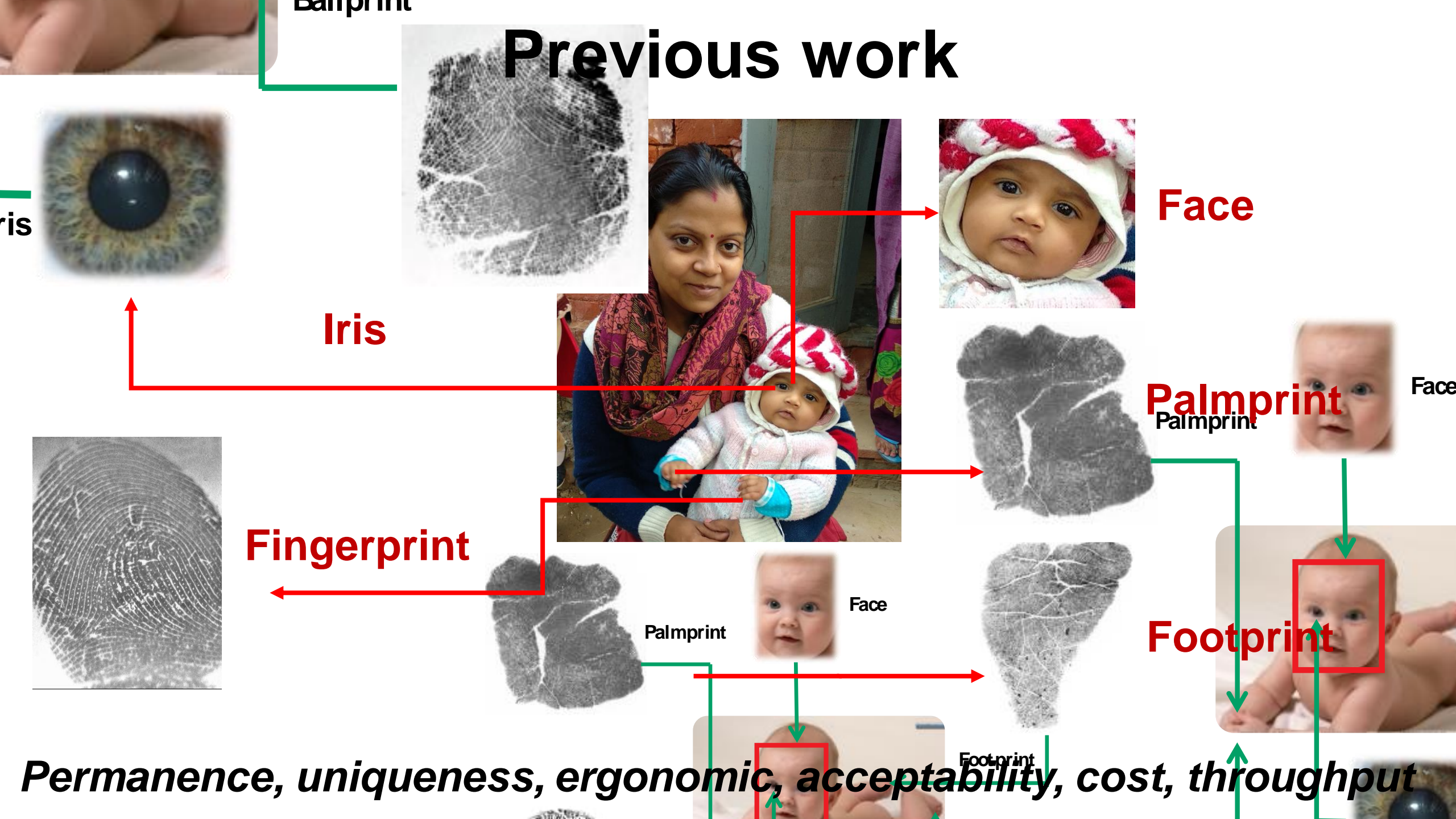
Toddlers:2-3



Preschoolers:3-5 yrs

- **By age 3, a child can *follow simple instructions and be understood***
- *What is the lowest age to capture face, fingerprint and iris for effective de-duplication and authentication?*

# Previous work



Balprint

Iris

Iris

Fingerprint

Palmprint

Face

Face

Palmprint

Face

Footprint

Footprint

**Permanence, uniqueness, ergonomic, acceptability, cost, throughput**

# Summary and Challenges

- Longitudinal data collection
- Data sharing (privacy issues)
- Low-quality images (non-cooperative subjects)
- Wet and dirty fingers
- Relatively larger acquisition time
- Patience during data collection