Digitization Plan: Exposed Child Under 24 Months Mastercard

1. Child and Guardian Details

- Child Name

- Guardian Name

- Physical Address

- Guardian Relation

- Guardian Phone

- Child Sex (M/F)

- Agrees to FUP (Y/N)

2. Enrollment and HIV Status

- HCC Reg. No.

- Unique Child ID

- Transfer-in Date

- Birth Cohort (Month + Year)

- Mother's Status at Enrollment

- ART Regimen

- Enrolment Age (days)

- Duration on ART (days)

3. HIV Testing History

- Sample Date

- Type (DBS, Rapid Test, etc.)

- Sample ID / HTC Serial No.

- Result (Negative, Positive, Inconclusive)

- Date Received from Lab

4. Monthly Visit Records (0-24 Months)

- Visit Age (in Months)

- Visit Date

- Height (cm)

- Weight (kg)

- MUAC (cm)

- Wasting / Malnutrition (None, Moderate, Severe)

- Breastfeeding (Exclusive, Mixed, Complementary, <6mo, >=6mo, Stopped)

- Mother's ART Status (On ART, Died, Unknown)

- Clinical Monitoring (NAD, Sick, Not Normal)

- HIV Testing (No, DBS, Rapid Test)

- HIV Infection Confirmation (Confirmed, Not Confirmed)

- CPT Given (Yes/No)

- Follow-Up / Outcome

- Next Appointment / Outcome Date

5. Suggested Database Tables

a) child:

  - id, name, guardian_name, address, guardian_relation, guardian_phone, sex, fup_consent,

    hcc_reg_no, child_unique_id, transfer_in_date, birth_cohort_month, birth_cohort_year,

    mother_status_at_enrollment, art_regimen, enrolment_age_days, duration_on_art_days

b) hiv_tests:

  - id, child_id, sample_date, test_type, sample_id, result, date_received

c) monthly_visits:

  - id, child_id, age_in_months, visit_date, height_cm, weight_kg, muac_cm, wasting,

    breastfeeding, mother_art_status, clinical_monitoring, hiv_test, infection_status,

    cpt_given, follow_up_outcome, next_appointment_or_outcome_date

Next Steps

Would you like to proceed with:

- A Web Application (Flask/Django + SQLite/PostgreSQL)

- A Desktop System (Excel/VBA or Python GUI)

- A Mobile App

Features to consider:

- Dashboards (e.g., total enrolled, defaulters)

- SMS Reminders

- Reports for due visits, missed appointments, and ART outcomes