

## List of datapoints in the Mother Child Health (MCH) eRegistry

*All visits to the clinics, lab tests, ultrasound examinations, screening tests and pregnancy outcomes are stored with time-stamps and names of primary healthcare clinics and districts in the eRegistry.*

### Information at registration for care

- Background and demographic information: eg. age at marriage, age at first pregnancy, education in years, consanguinity, monthly household income (ILS), number of members in household

### Basic Information (appear at the top of woman's file)

- Name of woman
- Age of woman
- Number of fetuses in the current pregnancy
- Gestational age in the current pregnancy
- Obstetric score - gravida-para-abortion in the current pregnancy(GPA)
- Expected delivery date in the current pregnancy (EDD)
- High-risk pregnancy or not
- Woman Blood group (ABO & RH)
- Date of birth (DOB) of current pregnancy outcome
- Gestational age at birth (GA at birth) of current pregnancy outcome

### Antenatal care

#### Current pregnancy information

- Is this a home visit, or at the health clinic?
- Was this information first collected on paper, and then entered into the system?
- Last menstrual period (LMP) status: (Known or unknown)
- First day of last menstrual period (LMP)
- Gestational age at visit, weeks
- In vitro fertilization (IVF)
- Infertility (>1 year) prior to current pregnancy
- Is this the woman's first pregnancy (PG)?

#### Clinical examination

- Blood pressure (mm Hg)
- Body weight (kg)
- Body height (m)
- Edema
- Hypertension - cerebral or visual symptoms
- Fetal heart sound (FHS)
- Fetal presentation checked by palpation
- Fundal height measurement
- Suspected preterm premature rupture of membranes (PPROM)
- Suspected premature rupture of membranes (PROM)

- Generalized fits without a history of epilepsy (sign of eclampsia)
- Fetal movement
- Vaginal bleeding

### Medical examination

- Pallor
- Medical examination of head and neck
- Abnormal findings of head and neck, specified
- Medical examination of heart
- Abnormal findings of heart
- Medical examination of lungs
- Abnormal findings of lungs
- Medical examination of abdomen
- Abnormal findings of abdomen specified
- Medical examination of lower limbs
- Abnormal findings of lower limbs
- Medical examination of breasts and nipples
- Abnormal findings of breasts and/or nipples specified

### Obstetric history

- Outcome of the previous pregnancy(ies)
- Gestational age at birth or miscarriage in the previous pregnancy(ies)
- Place of birth of each previous delivery
- Mode of each previous delivery
- Sex of baby
- Birth weight for baby (in grams)
- Complications in previous pregnancies
- Gestational diabetes mellitus in any previous pregnancy
- Gestational hypertension in any previous pregnancy
- Preeclampsia in any previous pregnancy
- Eclampsia in any previous pregnancy
- Puerperal sepsis in any previous pregnancy
- Antepartum hemorrhage (APH) in any previous pregnancy
- Postpartum hemorrhage in any previous pregnancy
- Deep vein thrombosis related to any previous pregnancy
- Uterine surgery (excluding Cesarean section)
- Uterine anomaly or injury during any previous delivery
- Cesarean sections ( $\geq 2$ ) during any previous delivery
- Complicated Cesarean Section during any previous delivery
- $\geq 2$  abortions within 24 weeks of gestation
- Previous perinatal death
- Multiparity ( $\geq 6$ )
- Previous preterm birth (24-<37 weeks)

## Family history

- Diabetes mellitus
- Hypertension
- Renal disease
- Cardiac disease
- Congenital anomaly
- Inborn error of metabolism
- Blood disease
- Bronchial asthma

## Risks related to medical conditions

- Chronic hypertension
- Diabetes Mellitus I or II (insulin-dependent)
- Renal disease
- Hypothyroidism
- Bronchial asthma
- Blood disorder
- Previous episode(s) of thrombosis
- History of Klexane provided to the patient
- Epilepsy
- Cardiac disease
- Mental disturbance
- Reproductive tract infection (RTI)
- Deep vein thrombosis (DVT) outside previous pregnancies
- Other condition or complication
- Referral needed for other chronic conditions
- Allergies (drugs and/or severe food allergies)
- Vaccinated for Tetanus toxoid according to guidelines

## Counseling

- MCH handbook provided
- Counseling on nutrition in pregnancy
- Counseling on prenatal vitamins
- Counseling about danger signs during pregnancy
- Counseling about breast feeding
- Counseling about labor signs
- Counseling about PKU screening

## Other information during antenatal care

- Intended place of birth
- Recommended place of birth
- During this visit the woman was seen by doctor and/or nurse
- Medicine prescription during this visit
- Other medications the woman is currently taking
- Recommended date of next visit

## Laboratory tests

- Where were the tests performed?
- Reason for lab test
- Complete blood count ((RBC, WBC, Hgb, Hct, Platelets, MCV)
- Blood grouping and Rh-D typing (positive or negative)
- Fasting blood sugar (mg/dL)
- Random blood sugar
- Oral glucose challenge test (OGCT: to detect gestational diabetes) (mg/dL)
- Indirect Coomb`s test
- Urine analysis for Urinary Tract Infection (UTI)
- Urine stick: protein
- Urine stick: sugar

## Antenatal ultrasound examination

- Ultrasound reason
- Where was this ultrasound performed?
- Ectopic pregnancy
- Molar pregnancy
- Number of fetuses
- Fetus heart activity
- Placenta location
- Fetal presentation
- Fetal sex
- Amniotic fluid; deepest pocket, amniotic fluid index, quantity
- Gestational sac
- Crown-rump length
- Biparietal diameter
- Femur length
- Abdominal circumference
- Estimated gestational age (EGA)
- Estimated fetal weight (gm)
- Ultrasound estimated date of delivery
- Fetal Anomalies
- Pelvic mass
- Ovarian cyst(s) present
- Fibroids
- Suspected intrauterine growth restriction / Suspected small for gestational age fetus
- Suspected large for gestational age fetus
- Polyhydramnios
- Suspected oligohydramnios
- Recommendations/comments

## Postpartum care

- Was this assessment done at home or in the clinic?
- Was this information first collected on paper, and then entered into the system?
- Which PPC visit is this?
- Number of days since delivery

## Symptoms

- Severe headache
- Blurry vision
- Extremely light headed
- Coughing
- Difficulty breathing
- Seizures
- Loss of consciousness
- History of epilepsy
- Vomiting
- Severe abdominal pain
- Excessive tiredness
- Sleeplessness, apathy or symptoms of depression (Signs of anemia)
- Abnormal urination
- Abnormal Defecation
- Specification of abnormal defecation

## Clinical examination

- Temperature
- Pulse
- Respiratory rate
- Systolic blood pressure (mmHg)
- Diastolic blood pressure (mmHg)
- Heart auscultation
- Lung auscultation
- Skin
- Clammy skin
- Very pale conjunctiva, palms, mucuous membrane and/or nail beds
- Signs of edema in hands or face
- Signs and symptoms of DVT
- Breast examination
- Fundal level
- Fundal measurement (cm)
- Inspection of Cesarean section incision or perineal tear
- Lochia (vaginal discharge) color
- Vaginal discharge with unpleasant odor
- Ruptured uterus
- History of blood transfusion
- Continuous leakage of urine
- Continuous leakage of stool

## Counseling

- Breast care
- Breast feeding
- Postpartum depression
- Family planning
- Vitamins
- PPC follow-up visit in six weeks
- Danger signs
- Pelvic floor muscle exercises (kegel)

## Other information during antenatal care

- MCH handbook available/ provided
- During this visit the woman was seen by a doctor/ nurse

## Newborn care

- Was this assessment done at home or in the clinic?

## Birth history

- Multiple pregnancy
- Delivery Outcomes
- Date of delivery
- Place of delivery
- Mode of delivery
- Presentation
- Gestational age at delivery
- Birth weight (grams)
- Complications

## Reported by the mother

- Resuscitated at birth – yes or no
- Cyanosis at birth – yes or no
- Newborn`s movements
- Newborn`s defecation
- Newborn`s urination/ defecation normal – yes or no
- Newborn feeding normal – yes or no
- Breastfeeding/feeding her newborn minimum 8 times per 24 hrs – yes or no
- Feeding problems
- Repeated vomitting
- Lethargic newborn

## Infant Examination

- Convulsions
- Breathing problems
- Cyanosis
- Suspected jaundice
- Inadequate feeding
- Lethargy
- Signs of birth trauma
- Skin pustules

## Clinical examination

- Weight (grams)
- Height (cm)
- Head circumference (cm)
- Sex of newborn
- Testis palpable
- Skull
- Eyes
- Mouth and tongue
- Neck
- Upper limbs
- Chest
- Abdomen
- Umbilical stump
- Groins
- Anus
- Spine and back
- Reflexes
- Suspected congenital malformation
- Morbidity
- Suspected stiffness or limpness

## Vital signs

- Temperature
- Pulse
- Respiration

## Nutrition

- Latch on
- Breast feeding position
- Vitamin A & D drops given

## Screening tests

- PKU screening
- TSH screening

## Counseling

- Breast feeding
- Umbilical cord care
- Vitamins and supplements
- Danger signs for newborn
- Iron Drops