

Information system on pregnancy in Estonia

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New information system on pregnancy since 15.03.2019

- ▶ Consists of two personalised registries since 15.03.2019
 - ▶ Estonian Medical Birth Registry
 - ▶ Estonian Abortion Registry
- ▶ Gradual digitalisation: registry cards can be still sent in on paper, but also possible to fulfil on screen and send in a decrypted format. Future automated exchange between e-health record and registry is elaborated.
- ▶ Aim to follow the pregnancy from the start to its outcome for monitoring women's and children's health



New in Estonian Medical Birth Registry

- ▶ For mothers information expanded:
 - Date of first visit to medical system due to pregnancy,
 - Mother's height and weight before pregnancy (BMI before pregnancy)
 - Diagnoses aggravated by pregnancy, delivery and after (ICD codes)
 - Artificial fertilisation (method: IUI, IVF(incl ICSI), FET) in 2021- 6%
 - Procedures during delivery: analgetics, blood transfer in ml, preeclampsia/eclampsia, antibiotics, induction and stimulation differentiated
 - Smoking remained (due to our argumentation)



New in Estonian Medical Birth Registry

► Data on a child expanded

- Types of placentation added
- 10 min Apgar added to 1 and 5 min
- Arterial and venous cord pH and BE
- Procedures after delivery: % of add.oxygen, mask ventilation, CPAP, intubation, heart massage, adrenaline etc;
- Procedures: support for inhaling, intensive care, blood exchange, phototherapy etc
- Head circumference
- Screening tests: OAE (hearing), SpO2 (saturation), red eye reflex
- Immunization: BCG (tub), B-hepatitis, chickenpox
- ICD codes for congenital anomalies, other diagnoses
- Feeding after birth (fully/partially breastfeeding, mix, diet)



New in Estonian Birth Registry

- ▶ Additionally in case of a pre-term born child (GA before 33 weeks and 6 days):
 - ▶ Transportation after birth, diagnoses (ICD), procedures and medication, feeding, analyses arterial and venous, picture diagnostics, etc

