

GrowthXP Prenatal

Integrates with the patient record:
leverage ultrasound data to expand
fetal and maternal monitoring



Visualise fetal growth better

by unlocking maternal and fetal data precisely when you need it.



GrowthXP Prenatal integrates with the electronic health record (EHR) and automatically extracts the relevant data through FHIR. It also allows you to input additional data.



Provides an unrivalled library of growth curves and references:

- Full range of auxological variables
- Locally-relevant/national standards



Generates customised growth curves to reflect patient circumstances and medical history.

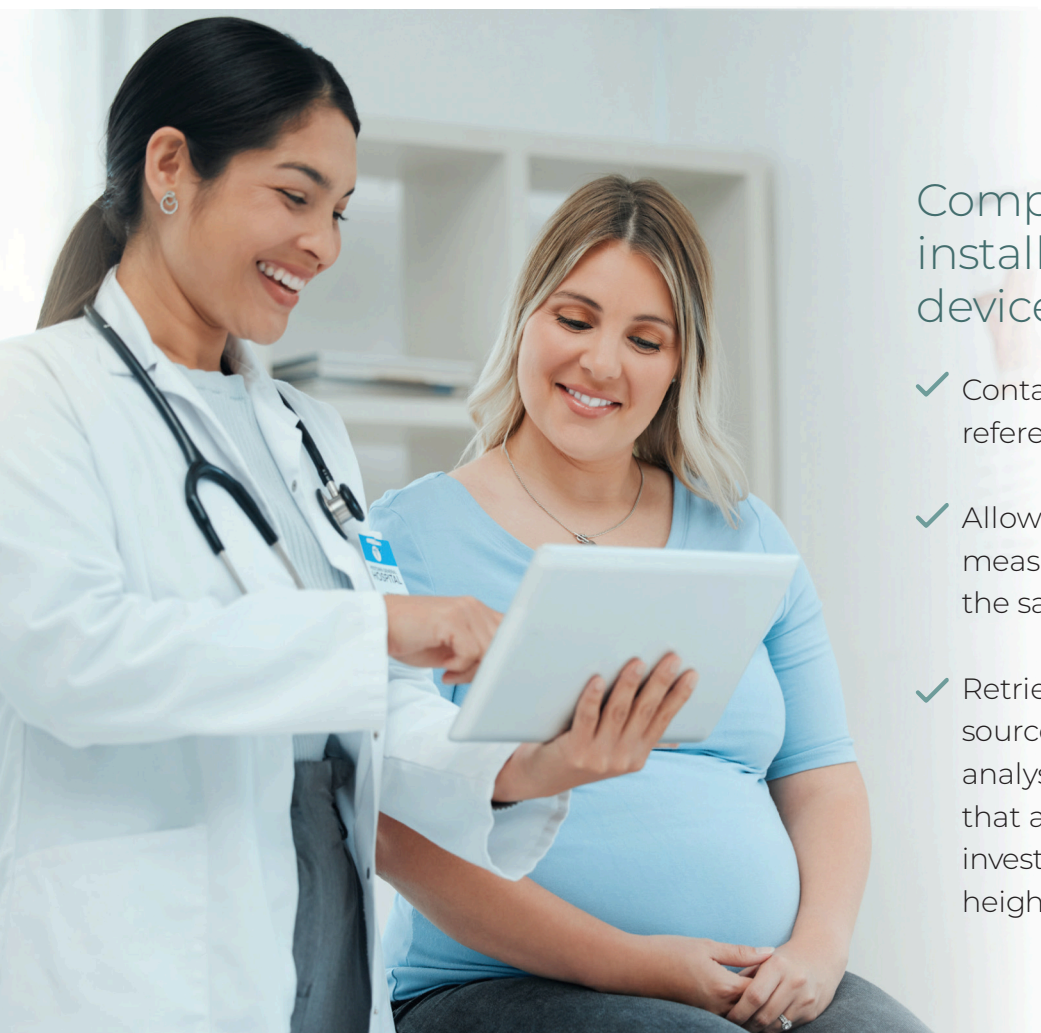


Includes risk calculators for obstetric complications.



Common problems solved

- ✓ Determine the exact age of the fetus using different methods
- ✓ Follow growth in the 2nd and 3rd trimester against standard population references
- ✓ Customized references accounting for obstetric history
- ✓ Chart Doppler indices in relation to normal ranges
- ✓ Determine the risk for complications and disorders



Compared to locally installed ultrasound devices, GrowthXP Prenatal:

- ✓ Contains a comprehensive library of references.
- ✓ Allows follow-up of a series of measurements not necessarily done in the same clinic.
- ✓ Retrieves parameters from additional sources (clinical exam, labs, Doppler flow analysis) and also charts parameters that are obtained through clinical investigation, such as symphysis-fundus height, or weight gain.

Comprehensive chart features

◆ FETAL HEALTH MONITORING

GrowthXP displays biometric ultrasound measurements and calculations as a function of gestational age, including:

- Abdominal Circumference
- Biparietal Diameter
- Femur Length
- Crown To Rump Length
- Estimated Fetal Weight
- Head Circumference, Cerebellar Transverse Diameter, Cephalic Index, Nuchal Translucency

Doppler Ultrasound - Results displayed according to gestational age including:

- Blood Flow Velocity In Uterine Arteries
- RI and PI of the Umbilical Artery
- RI and PI of the Middle Cerebral Artery
- Calculation of Cerebroplacental Index
- Fetal Heart Rate for Crown-Rump Length

◆ MATERNAL HEALTH MONITORING DURING PREGNANCY

- Maternal weight gain according to pre-conception BMI for singleton and multifetal pregnancies
- Blood Pressure
- Symphysis-Fundal Height
- Laboratory Biomarkers including PAPP-A, beta-hCG, sFlt-1 and PlGF

◆ CALCULATIONS

Risk Calculators:

- Small-for-Gestational Age
- Pre-Eclampsia
- Gestational Diabetes
- Pre-Term Birth
- Patau Syndrome (trisomy 13)
- Edward Syndrome (trisomy 18)
- Down Syndrome (trisomy 21)
- Turner Syndrome
- Fetal Growth Restriction, FGR (Intrauterine Growth Restriction)
- Stillbirth
- Fetal Anemia

Gestational Monitoring:

- Mean Arterial Pressure
- Amniotic Fluid Index
- Pulsatility and Resistive Indexes
- Biometric Ratios
- Velocities

◆ DATA ENTRY

- Navigation of patient data
- Ad hoc addition of supplementary patient data
- Augment data held in the patient record for conducting risk calculations
- Explore future potential scenarios

- ◆ Compatible with FHIR-compliant EHRs such as Cerner and Epic
- ◆ HIPAA compliant (USA), and PIPEDA compliant (Canada), GrowthXP Prenatal does not store data
- ◆ Cloud-hosted by PC PAL (North America) or installed on-site (Europe)
- ◆ Pure HTML 5 and JavaScript application
- ◆ No use of 3rd party libraries or frameworks
- ◆ Responsive application design suitable for all devices
- ◆ Comprehensive technical support and maintenance