



Electronic Patient Record System (EPRS)

Electronic health record software to enter, visualize and analyze growth data of patients.

Growth Analyser Electronic Patient Record System (EPRS) is an electronic health record designed for pediatric health-care providers and offers data entry for all relevant medical and growth data, individual digital growth charts, standardized measurements (standard deviation scores / percentiles), growth prediction models, and a measurement overview.

After opening a patient’s electronic health record, information regarding the medical history, diagnoses, medical events, encounters, anthropometric measurements, physical examination, laboratory requests and results can be entered. The patient’s growth can be inspected in interactive growth charts and a measurement overview. This overview does not only show the source measurements but also calculated and standardized measurements, such as BMI, BSA, and standard deviation scores.

To allow for tailored growth and development assessment of patients with different backgrounds and/or diagnosis, Growth Analyser EPRS comes with a large database of more than 300 growth references for geographic regions and/or ethnicities, as well as for diagnoses.

Main features

Data Entry

Enter all relevant medical and growth data of your patients in individualized electronic health records.

Tailored Assessment

Tailored growth and development assessment through the availability of 300+ growth references for geographic regions, ethnicities, and diagnoses.

Growth Charts

Responsive postnatal charts with support for growth reference comparison, gestation-adjusted age, bone age, Tanner stages, medication use, and predictions.

Calculations

Age, gestation-adjusted age, BSA, BMI, growth velocities, standard deviation scores and percentiles, and corrected parental height.

Growth Predictions

Bayley-Pinneau adult height, and target height, range, and channel.

Single User Edition

Version	Release Date
4.1.24	January 17, 2023
Requirements	
Microsoft Windows 10, 11	
Microsoft Server 2012, 2012 R2, 2016, 2019	

Multi User Edition

Version	Release Date
4.1.25	February 17, 2023
Requirements	
Windows or Linux, Java 8 or 11, Apache Tomcat 8.5 or 9	
MySQL 5.7 or SQL Server 2014 or MySQL 5.7 or newer	
Edge (Chromium Based), Chrome, or Firefox	

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Features	VE Viewer Edition	ERPS Electronic Patient Record System	RCT Research Calculation Tool	JR Junior
Type	integrated	standalone	standalone	standalone
Data				
Record or spreadsheet based	health record	health record	spreadsheet	personal record
Data entry or interoperability	data obtained from 3rd party record	manual entry	manual entry	manual
Data persistence		database	manual save	database
Import		✓ <i>Growth Analyser 3.5 *.gap</i>	✓	✓
Export	✓ <i>Microsoft Excel</i>	✓ <i>Microsoft Excel</i>	✓ <i>SPSS, Microsoft Excel, CSV or text file</i>	✓
Print	✓	✓	✓	✓
Grouping			✓	
Selection			✓	
Calculations				
Age	✓	✓	✓	✓
BMI	✓	✓	✓	✓
BSA	✓	✓	✓	
Growth velocities	✓	✓	✓	
Standard deviation scores	✓	✓	✓	
Percentiles	✓	✓		
Gestation-adjusted age	✓	✓	✓ <i>general purpose calculator</i>	
Corrected parental height	✓	✓		
Sample size			✓	
Measurement reliability			✓	
Predictions				
Target height, range and channel	✓	✓		✓
Growth response to GH treatment	✓		✓ <i>IGHD only</i>	
Bayley-Pinneau adult height	✓	✓	✓	
Constitutionally tall stature adult height			✓	
Tanner-Whitehouse (TW2) adult height			✓	
Growth Charts				
Responsive (non-fixed aspect ratio)	✓	✓	✓	✓
Postnatal references	✓ <i>geographic regions / ethnicities / diagnoses</i>	✓ <i>geographic regions / ethnicities / diagnoses</i>	✓ <i>geographic regions / ethnicities / diagnoses</i>	✓ <i>geographic regions</i>
Prenatal references	✓		✓	✓
Reference comparison	✓	✓		
Normal range	✓	✓	✓	
Standard deviation scores	✓	✓		✓
Percentiles	✓	✓		
Gestation-adjusted age	✓	✓		
Bone age	✓	✓		
Target height, range and channel	✓	✓		
Tanner stages	✓	✓		
Medication use	✓	✓		
Response to GH treatment	✓			
Customize axes, labels and title	✓	✓	✓ <i>Microsoft Excel</i>	
Zoom in, out and to selection	✓	✓	✓	✓
Print	✓	✓	✓	✓
Export	✓	✓	✓	✓
Multiple data sources, e.g. patients			✓	