ESTONIAN SCHOOL HEALTH INFORMATIONAL SYSTEM - EKTIS
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Background:

- Schools - the primary sources of information about the health of children.
  - Data collection
  - Data management
  - Access control

- Information and communication technology (ICT)

- Estonian School Health Informational System-EKTIS
Figure 1. EKTIS and information exchange with systems.
Aim:

- EKTIS software
- Research
- Solutions
ESTONIAN SCHOOL HEALTH MANAGEMENT INFORMATIONAL SYSTEM-EKTIS

• EKTIS
• Authorization
• Authentification
• Web- based app for on-line database
• System requirements: computer and Windows operating system; MS Internet Explorer browser; Internet; ID-card reader and ID-card software
ESTONIAN SCHOOL HEALTH INFORMATIONAL SYSTEM-EKTIS

- Student visit registration
- Referral letters
- Immunization data exchange with HIS
- Ability to request time critical data
- Information about students
- Health promotion
- Statistics for Health Insurance Fund and the Health Protection Agency.
EKTIS features:

- Students/schools/classes data
- Students health card
- Vaccinations
- Medical record
- Health promotion
- Reporting vaccinations, pupil appeals, health promotion and health surveillance on the basis of the classes.
- Schools with special needs – SEN schools:
  - Treatment processes (reversal, screening, vaccinations) automatic price publishing in accordance with the health insurance Fund price list codes.
- Main medical bill submission to the Health Insurance Fund.
Using the system increases productivity
Using the system improves job performance
Using the system saves time

Strongly Agree
Strongly Disagree
System Usage Characteristics

It is easy to get the system to do what I want it to do

The system is easy to learn

The system is easy to use

- Strongly Agree
- Strongly Disagree
The system is complex
It costs more to use the...
The system is easy to learn
The system is user friendly
The system is easy to learn
It costs more to use the...
The system is complex

System and Information Quality

- Information I get from the...
- The system is accurate
- The system provides me with...
- The system provides me with...
- The system provides the...
- The system provides reports...
- The system is easy to use.
- The system is user friendly
- The system is easy to learn
- Information I get from the...

Strongly Agree
Strongly Disagree
The software does what is appropriate

The software has available all the functions required for its...

The software does what was proposed correctly

The software is precise in executing its functions

The software interacts with the specified modules

The software is precise in its results

The software has secure access through passwords

The software has capacity to operate with networks

The software has capacity for multiuser processing

The software complies with standards, laws, etc.

The software interacts with the specified modules

The software has an internal restore routine

The software has an internal backup routine

The software has secure access through passwords

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Benefits

• Time savings
• Space savings
• Student details from EEIS (Quickly identify students)
• Medical information of the student carried by the other medical institutions
• A channel for exchange of information with family physicians, school nurses, parents, and other medical institutions
• Statistical reports
• Comfortable message signing and sending to HIS
Thank you for your attention