

EHR Systems Use and Quality in Turkey

Country context

- Before 2005
 - Patient files
 - No centered system
 - No decision support system



"Fill out two forms, and call me in the morning

- After 2005
 - Family Medicine System all over Turkey
 - Turkish National Health InformationSystem all over Turkey
 - Centered Appointment System
 - Decision support system



EHR systems: Integration

		NHIS Integrated
Healthcare Institution Type	Total Number	Center
Oral and Dental Health Center	120	114
Public Hospital	478	473
District Hospital	223	202
Education and Research Hospital	67	64
Medical Faculty Hospital	125	53
Private Hospital	496	318
Branch Hospital	80	78

- •20.000 family physicians
- •1300 2nd and 3rd level healthcare organizations are connected to centered EHR systems.

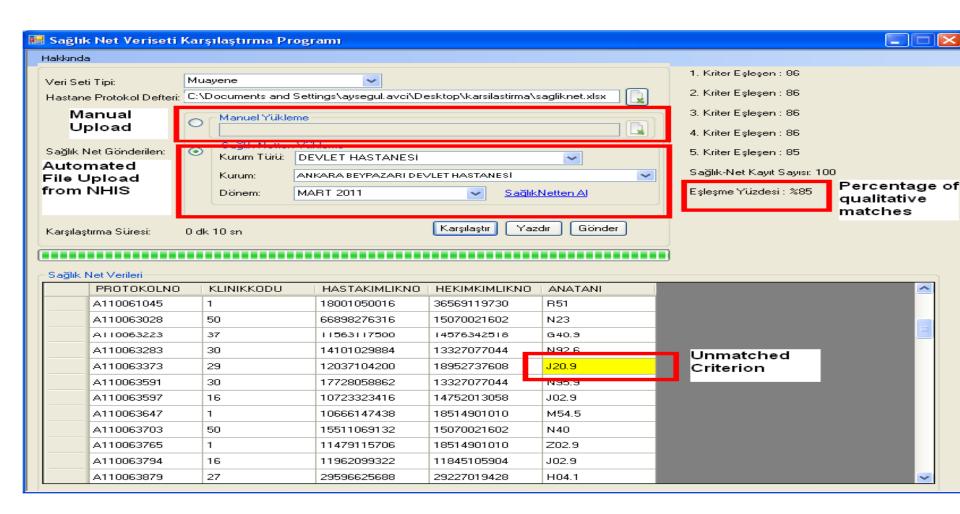
EHR systems: legal/regulatory context

- Ministry of Health has a right of collecting EHR's. MoH determines legislations and standards to collect data. Integration to NHIS was accepted as performance criteria for hospitals in a circular order in 2009. Family Physicians has an obligatory to send EHR to Family Physicians Information System(FPIS) from 2005.
- EHR of a citizen can not be shared by anyone else except the person to whom citizen gives permission.
- Sağlık-NET(consists of 2nd and 3rd level healthcare organizations)
 uses HL7 v3 messaging standard.
- Sağlık-NET and FMIS are communicating versus web services

EHR systems: quality assessment

- There are approximately 1300 health institutions sending data to Sağlık-NET and this number increases rapidly.
- The 81 provincial health directorates were included to the quality assessment and evaluation process to deal with this growing.
- NHIS Quality Assessment application is opened to them to make cross check between registered hospital records and NHIS data. Comparison is done both quantitatively and qualitatively. Every month, "province NHIS quality assessment commission" compares registered hospital records and NHIS data.
- A health institution receives a passing grade if registered hospital records match NHIS records over 90 percent for every dataset

EHR systems: quality assessment



EHR systems: quality assessment

Near Future

- Every hospital information software and Family Medicine Software will be assessed by a third party company and give certifications.
- Hospitals and Family Physicians will not work with a company who has not a certified software.