## IHE RFD (Retrieve Form for Data capture)

Connection Test (Adverse Event Report)

## with Ministry Project SS-MIX, at HL7 Kyoto Working Group Meetings



IHE Japan vice-chair
HL7 Japan chair
Michio Kimura, MD, PhD
Hamamatsu University

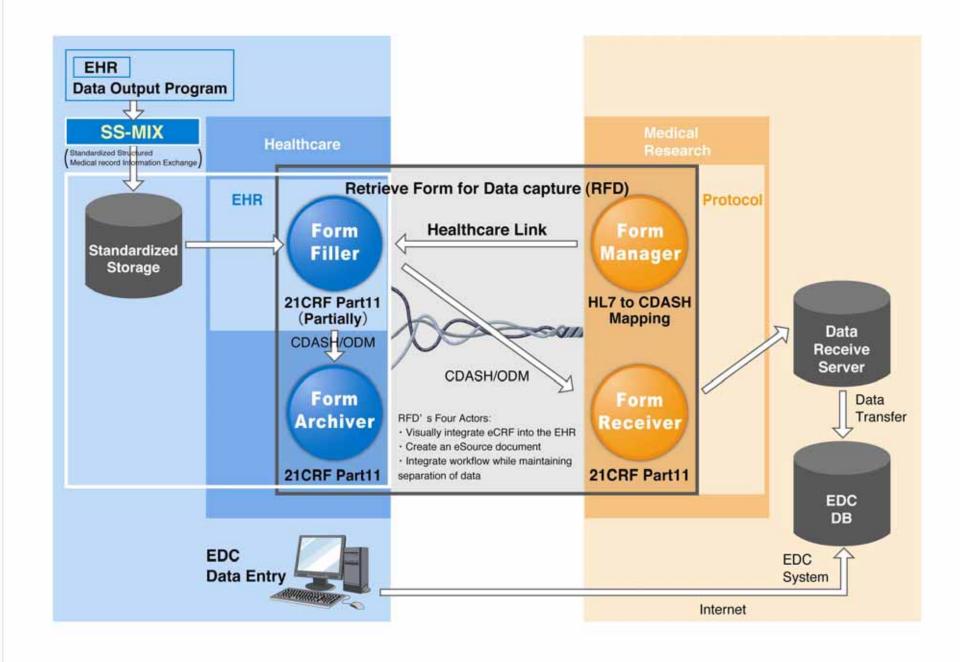


## HL7 Working Group Meeting 10-15 May, 2009, Kyoto Japan









#### RFD connection demo

- #Form Manager by Medical Front prepares report form in CDA and sends to Form Filler
- #Form Filler by SBS Information System receives the form and fills it, most of which are pre-populated by CPOE data, archives it at <a href="Form Archiver">Form Archiver</a> by SBS, and submits to <a href="Form Receiver">Form Receiver</a> by Medical Front.

### Post Market Adverse Event Report

#Paper-based
#Manually
 collected in
 busy clinics



# Form Filling

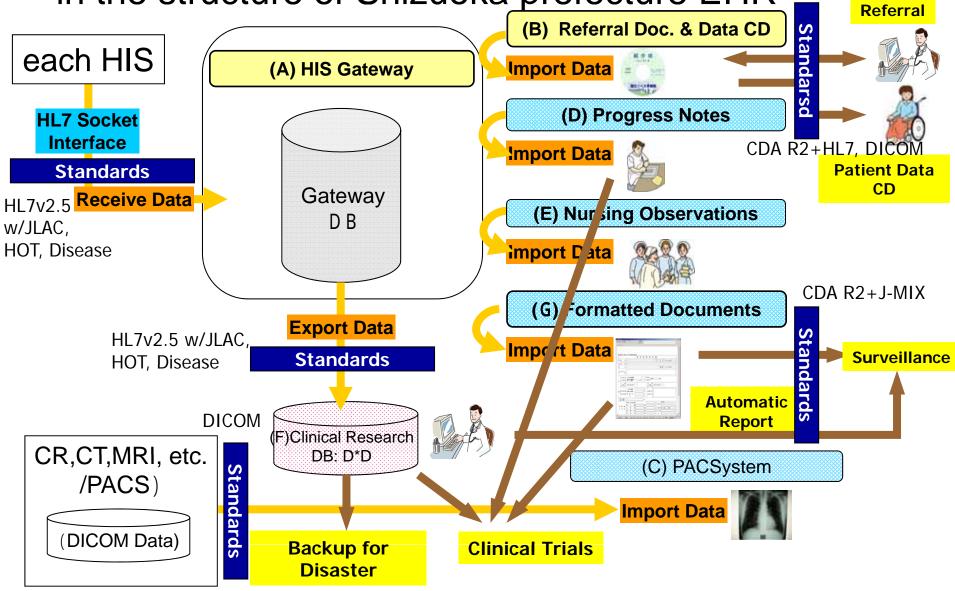
**\*\***Manually



### **CPOE** in Japan

- #90%+ in large hospitals (400+ beds)
- #Top 2 vendors became able to export patient demographics, prescriptions, lab results, diagnoses, in HL7 v.2 messages

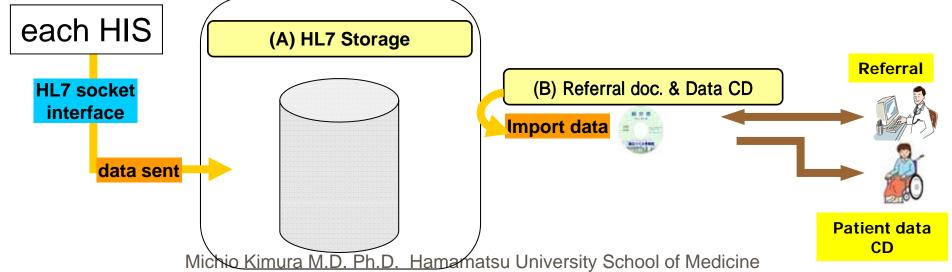
SS-MIX standardized repository (A):HIS Gateway in the structure of Shizuoka prefecture EHR \_\_\_\_\_

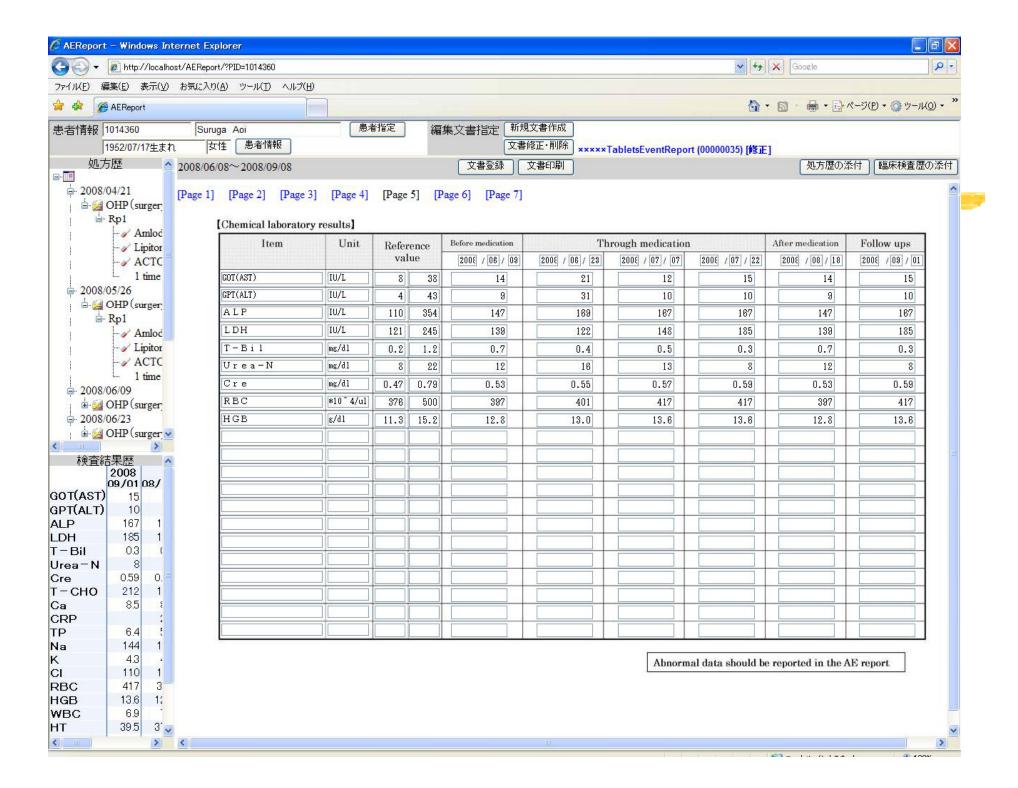


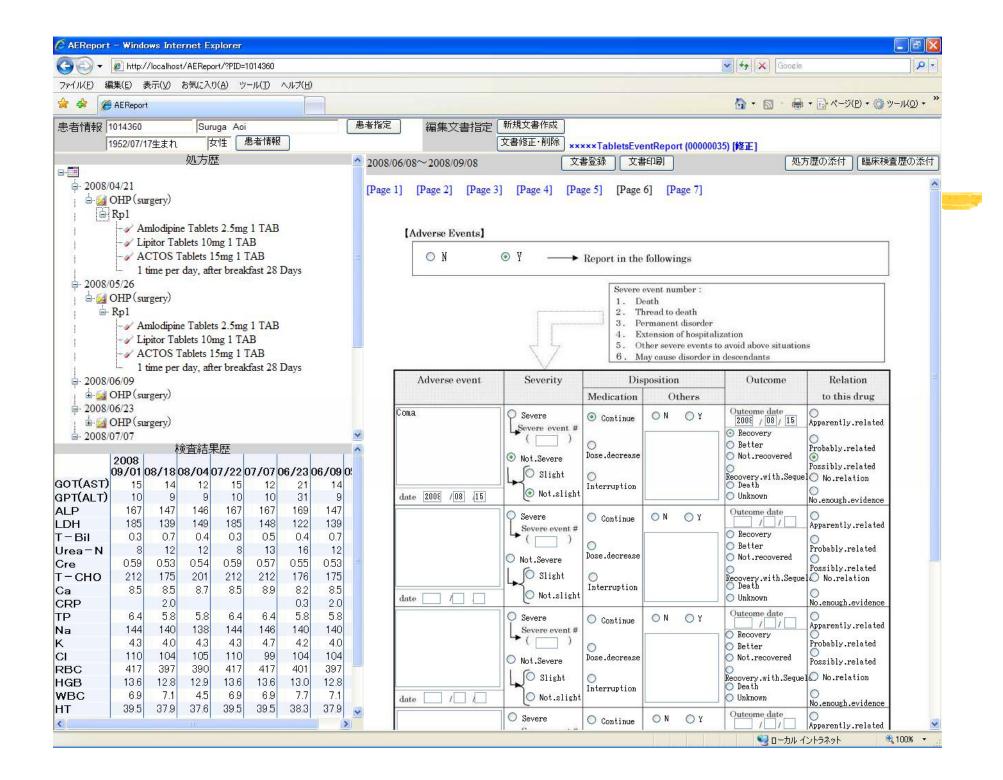
# Wide variety of applications on HL7 standardized storage by SS-MIX, a Ministry project

- ₩ We have patient demographics, prescriptions & injections, lab results, diagnosis classifications in HL7 v2.5
  - △ PHR
  - Making documents
  - Data retrieval
  - Interoperability with peripheral systems

Replacing & upgrading of HIS.





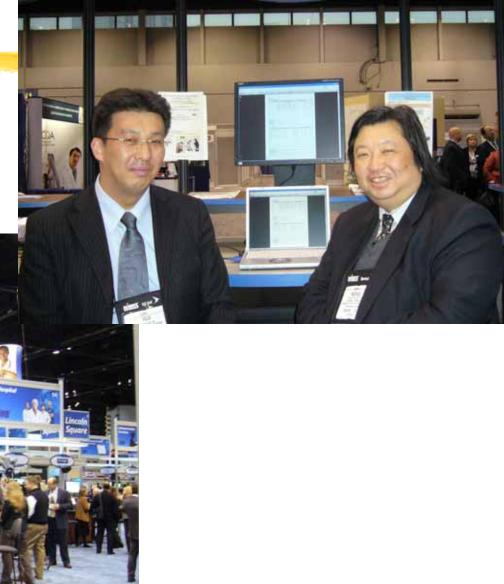


## Demo at CDISC Interchange 2008, Arlington



Demo at HIMSS 2009 Chicago

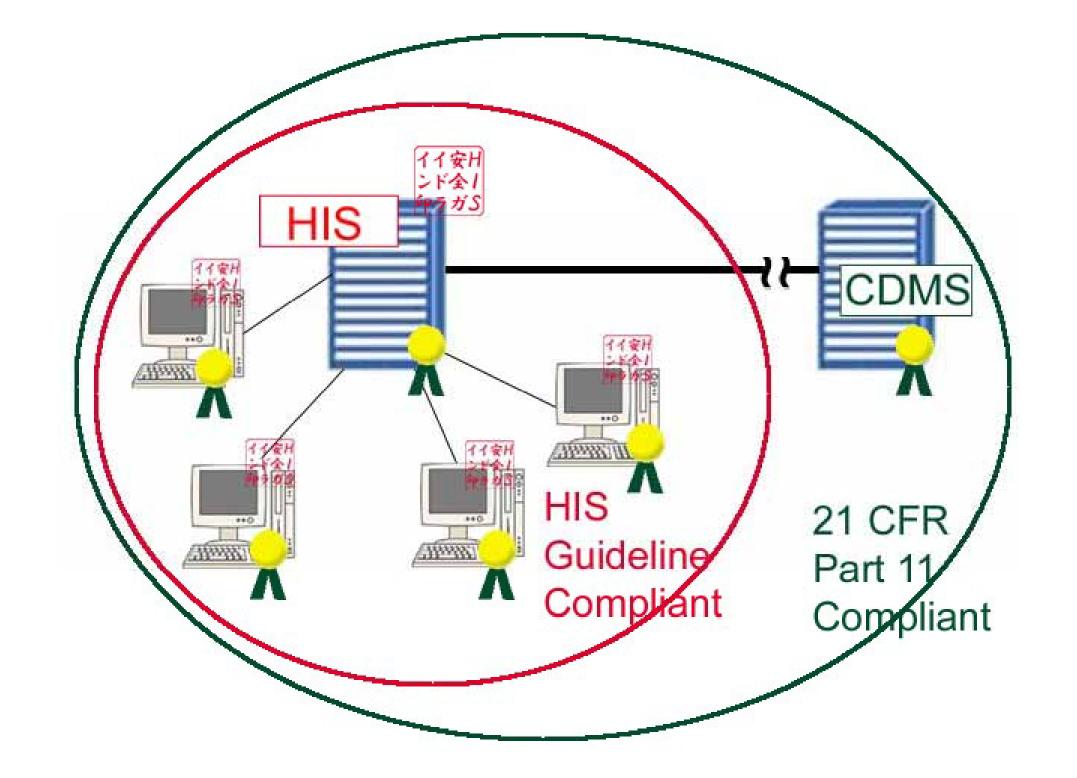
HEInteroperabilityShowcase

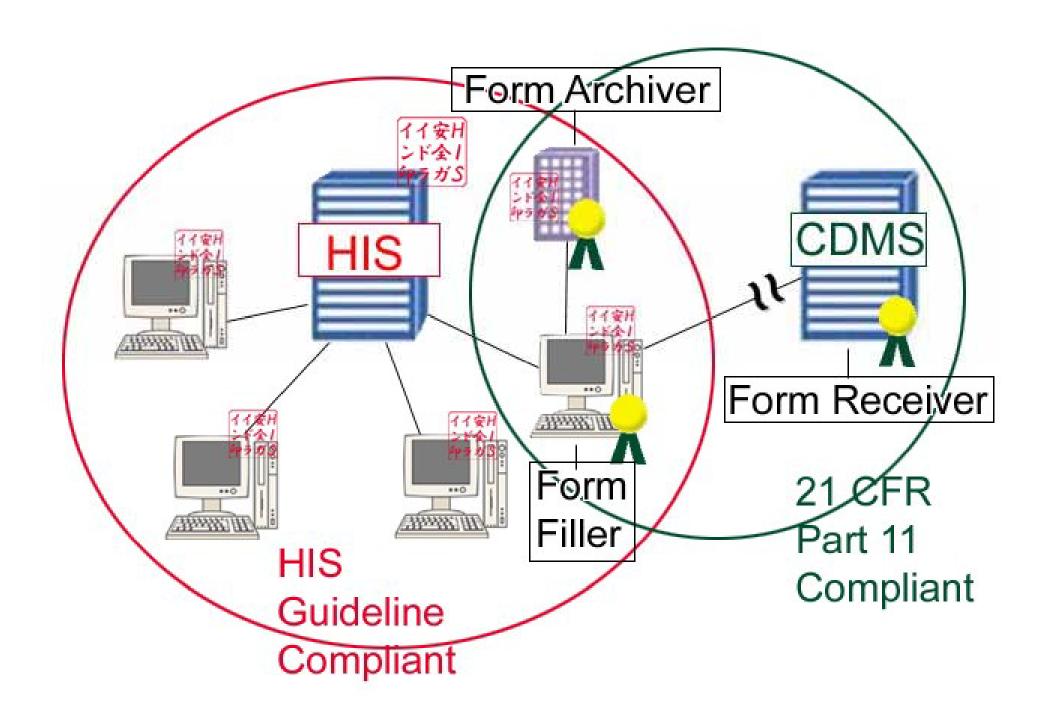


University School of Medicine

### IHE Japan Connect-a-thon

- #Oct 26-30, 2009, Tokyo
- Radiology, Laboratory, Cardiology, IT Infrastructure which will include RFD
- #http://www.ihe-j.org/en/





### **Current Status**

- #20 Hospitals mainly in Shizuoka prefecture are ready with SS-MIX standardized repository
- #About 50% of all large hospitals in Japan has HL7 v2.5 export feature (EMR: Fujitsu GX series, FX series, NEC HR series, SBS Prime-Karte series, Software Service e-Karte series)
  - □ They only need to add hardware for the repository, as repository software is provided from Ministry project SS-MIX
- #This form filler can be 21 CFR Part 11 compliant

## Current Status(2)

- **\*\*PMDA (FDA in Japan) launched a 5 year** project for "Safety Data Extraction from HIS through IT" with 4 subgroups
  - e-Claim data, HIS data through SS-MIX, Post market form, Voluntary report submission
  - △SS-MIX team uses high-speed clinical information retrieval system D\*D, which is working at 5 Shizuoka hospitals.

### End of presentation



**#Correspondence**:

△Michio Kimura, MD, PhD.

kimura@mi.hama-med.ac.jp

Michio Kimura M.D. Ph.D. Hamamatsu University School of Medicine