

AE Report: Post Market Adverse
Event Report on CPOE & EMR
(Almost pre-populated)

as a Form Filler of IHE RFD

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IHE Japan Board

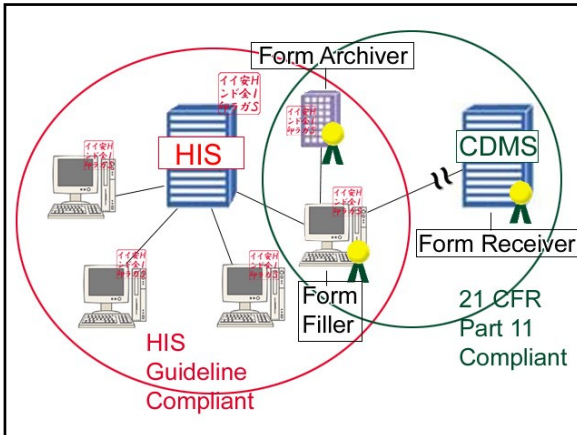


Doctors hate double input



EDC doesn't help double input





CPOE & EMR 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
 - ☑ By appointment of Ministry of Health Labor Welfare project : SS-MIX (Standardized Medical Information Exchange Promotion)

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Shizuoka Style EHR became Ministry's nationwide project

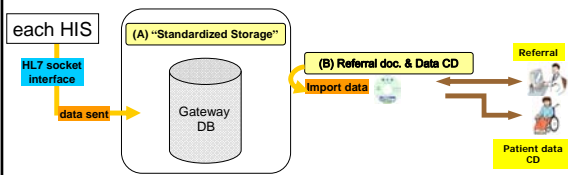
MHLW promotes Shizuoka Prefecture EHR for Nationwide Use ...04/06



- ⌘ 88M yen
- ⌘ CD (referral and data for patients) free components software nationwide, like Shizuoka
- ⌘ CD for patient can be payable like diagnosis certificate (3000 yen)
 - ☑ prescriptions, lab results, images + documents
- ⌘ Part of Shizuoka EHR is now SS-MIX (Standardized Structured Medical Information eXchange).

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SS-MIX for Hospitals
With patient demographics, lab, prescription from CPOE in HL7 v2.5 format, CD (referral or data for patients) is created



And many other applications like AE Report import data from "Standardized Storage"

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Current status of IT environment in Japan to use AE Report

- ⌘ 6 hospitals in Shizuoka prefecture are ready with SS-MIX standardized storage
- ⌘ About 50% of all large hospitals in Japan only need to add hardware for the storage, as storage software is provided from Ministry without charge
 - ☑ As Ministry mandates standardized data export in HL7

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IHE in Japan (Integrating Healthcare Enterprise)



J-Connectathon
2007.2/2-5
36 vendors
72 systems tested



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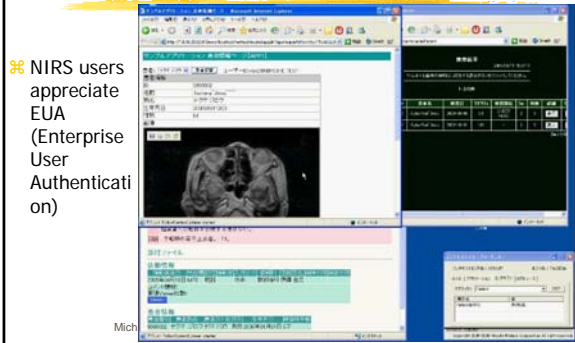
J-Connect-a-thon 2007/2008

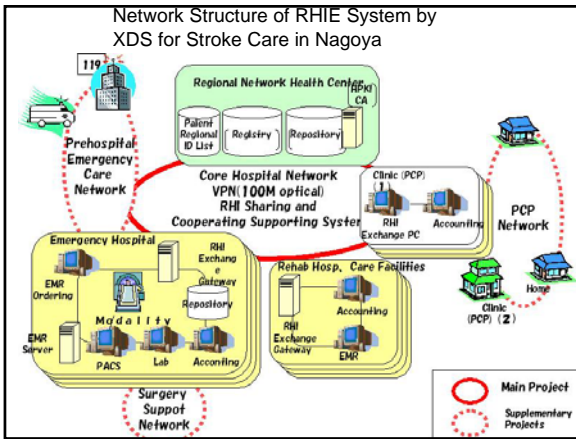
- ⌘ 2008.2/4-8
- ⌘ 40 vendors, 86 systems
- ⌘ Profiles
 - ☒ Radiology: SWF, PIR, CPI, ARI, KIN, PDI, ED, NM, SINR, FUS, MAMMO, PGP, IRWF, CHG, PWF, RWF
 - ☒ Laboratory: LSWF, LIR, LTW, LBL, LDA, LCSD, LPOCT
 - ☒ Cardiology: CATH, ECHO, ECG, DRPT, STRESS
 - ☒ ITI: ATNA, CT, RID, EUA, PAM, PDQ, PIX, PWP, XDS, XDS-I

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EUA & PSA Working at NIRS

※ NIRS users appreciate EUA (Enterprise User Authentication)





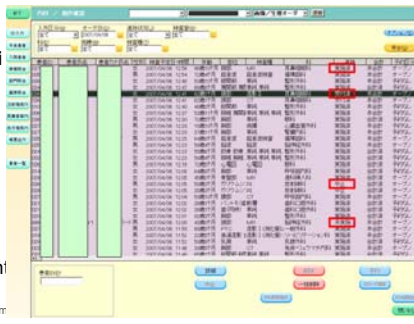
Nagoya XDS project

- Backed by Ministries
- 4 Emergency hospitals, 3 Rehab facilities(now)
- Profiles and standards
 - ☑ Integrating XDS with PIX, PDQ and ATNA
 - ☑ Enhancing XUA, NAV with access control based on XACML
 - ☑ Excerpting XDS metadata from CDA header part
 - ☑ Based on ebXML ebRIM3.0/ebRS3.0 (supporting XDS storedQuery), while XDS.a was specified on ebXML2.1. (Being ahead of XDS.b.)

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IHE Success Story at Hamamatsu University Hospital

- Together with Toshiba CT, Fuji RIS sends information to NEC HIS, which shows progress of examination as "not arrived" "not examined" "examination finish" on patient list.



Michio Kim

HL7 CDA report with MFER



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Hamamatsu Univ Hosp. receives more than 10 PDI image CD every day

- SS-MIX project also provided PDI receiving and viewing software
- to save doctors from time and confusion by playing CD in clinic room



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IHE supported by Ministries

- ⌘ Ministry of Health Labor and Welfare
 - ☑ 2007-2009 Development of interoperability testing tool (budget \$3M)
- ⌘ Ministry of Economy Trade & Industry
 - ☑ 2005-2007 Interoperability promotion project (budget \$2M)

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End of Presentation



- ⌘ Correspondence:
 - ☑ kimura@mi.hama-med.ac.jp
- ⌘ HL7 WGM will be held in Kyoto, Japan, May 10-15
- ⌘ RFD connection test there on May 13,14

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