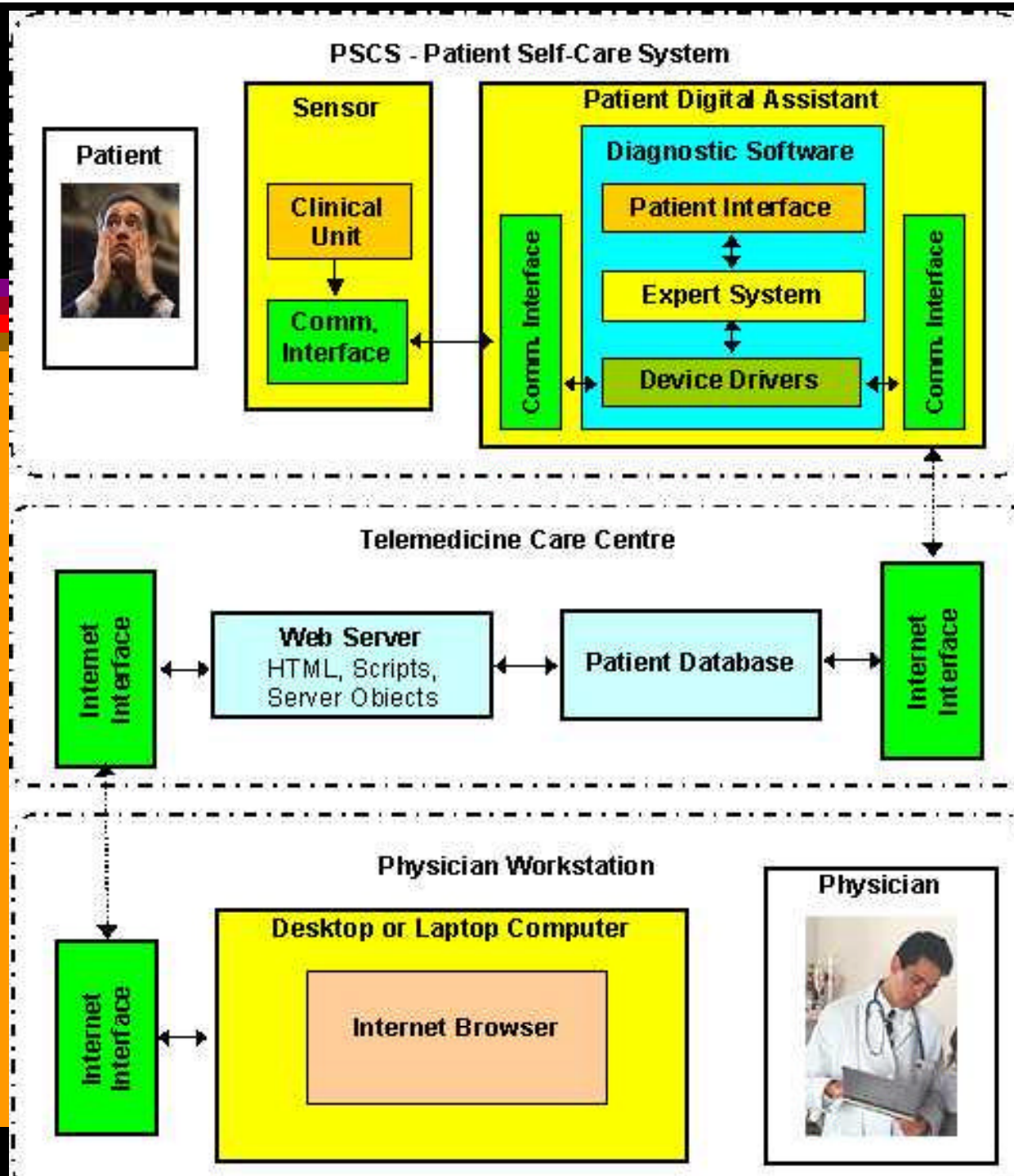




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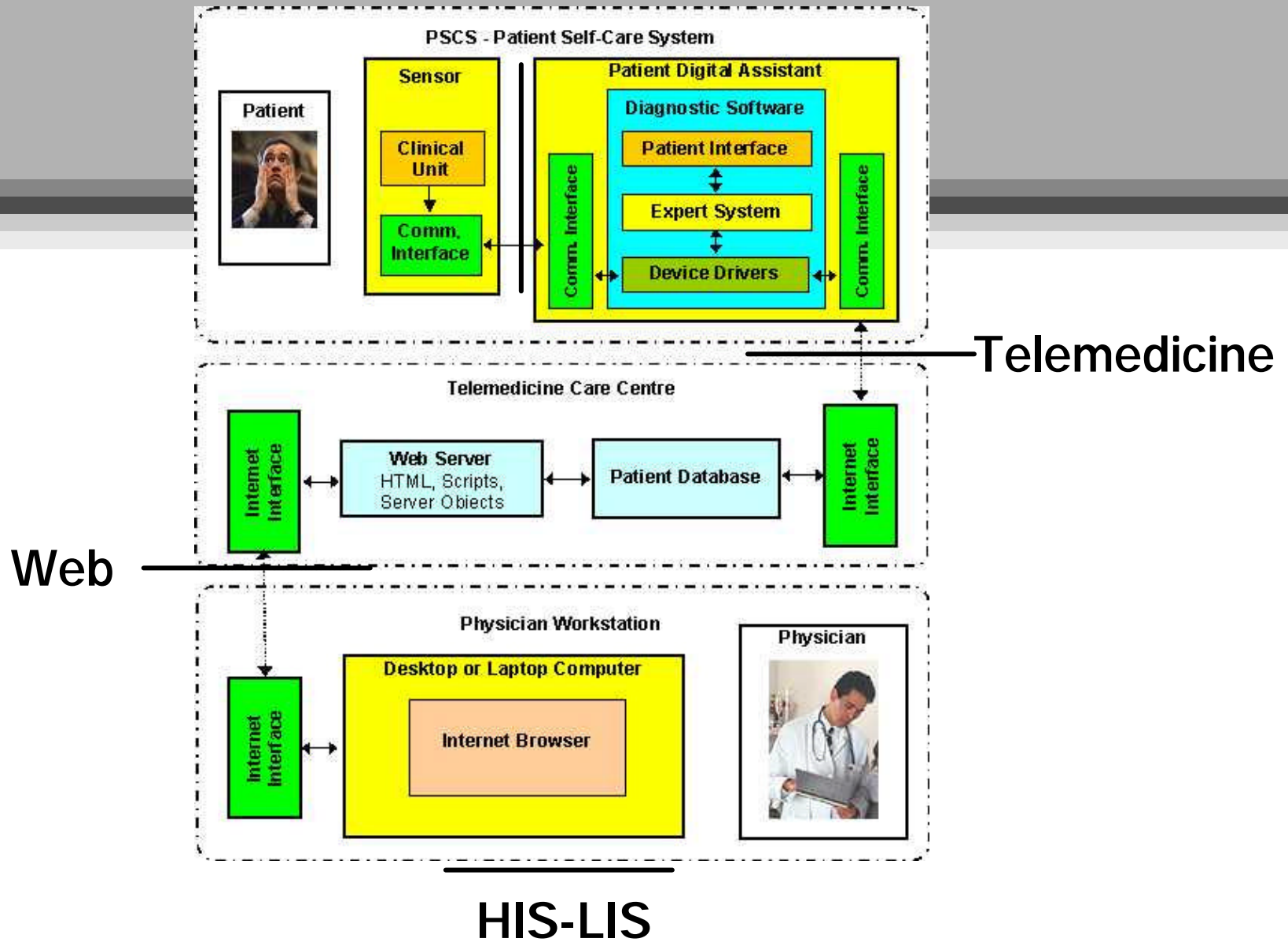
Telemedicine
Communications



Issue

- † Select the most appropriate data protocols for the data transfer interfaces

Device



Data Interfaces

- † HIS-LIS (Hospital/Laboratory Information System)
- † Web
- † Telemedicine
- † Device (POC - Point Of Care)

Organizations

- † Int'l - ISO - TC 215
- † Europe - CENELEC - TC 251
- † USA - HL7, NCCLS, POCCIC, IEEE, etc.

ISO TC 215

- † Health Informatics
- † Some developed with IEEE and with CEN TC 251 (see below)
- † Six published standards (in 60.60 stage) - all others in 20. to 40. stage range
- † Web: www.iso.ch

CEN TC 251

- † Health Informatics
- † Some developed with ISO TC 215; MOU with HL7
- † Approx 40 drafts (ENV) and 10 reports (CR) (10 Dec. 2002)
- † Web: www.centc251.org

POCCIC

- † Point Of Care Connectivity Industry Consortium
- † Last News of 7 Feb. 2001
- † Work apparently take over by NCCLS (see below)
- † Web: www.poccic.org

NCCLS

- † National Council for Clinical Laboratory Standards
- † Many approved standards
- † POCT1-A Point-of-Care Connectivity - based on IEEE 1073
- † No cooperation with CEN TC 251
- † Web: www.nccls.org

HL7

- † Health Layer 7
- † Rev. 2.4 approved and adopted (also in the Netherlands and Germany); rev. 3.0 in development
- † MOU with CEN TC 251
- † Web www.hl7.org, other countries

IEEE

- † Institute of Electrical and Electronic Engineers
- † IEEE 1073 (ISO 11703): Health informatics - Point-of-care medical device communication
- † Cooperation with ISO TC 215 and CEN TC 251
- † Many published 1073 standards
- † Web: www.ieee1073.org

MDCIG

- † Medical Device
Communications Industry Group
- † Web: <http://www.ieee-isto.org/mdcig/index.html>


More

- † USA: Health Insurance Portability and Accountability Act of 1996 (HIPAA)
- † USA: National Committee on Vital and Health Statistics (NCVHS)
- † USA: PMRI Patient Medical Record Information


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AFCON IL	Ergo S.A. EL	Sistemas Expertos ES
Lodz Med. Univ. PL		Meir Hospital IL
Flyby IT	Lamda EL	CSEM CH

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CO PDA Interfaces	User Req. Valid. Expl.	DB Web Integ.
Med. Req. Valid.		Med. Req. Valid.
SENSOR I	SENSOR II	SENSOR III

NISAN

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