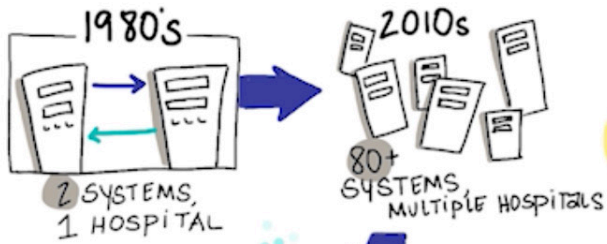
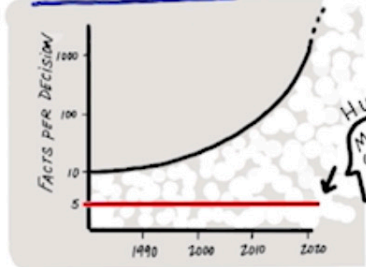


RUSSELL B. LEFTWICH, M.D.

INNOVATIONS IN ACHIEVING INTEROPERABILITY



MORE & MORE DATA!



NOW INTEROPERABILITY IS ABOUT

1 PLACE
ALL DATA
REAL TIME
ALL SYSTEMS

HUMAN MIND CAN ONLY HANDLE 5 DATA POINTS

MIX OF NARRATIVE & CODES
DATA TRANSPARENCY

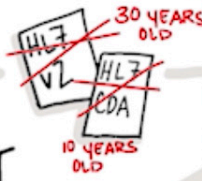
OFFLINE
↕
ONLINE

FAST HEALTHCARE INTEROPERABILITY RESOURCES



BOTH THE TECHNOLOGY AND THE AGREEMENT ON THE MEANING OF THE DATA

REPRESENTATIONAL STATE FULL API



true INTEROPERABILITY:
WE EXCHANGE INFORMATION & MEAN THE SAME THING

KNOWN LOCATION
DEFINED MEANING

LOGICALLY DISCRETE DATA CONCEPT

RESOURCES

BUILT FOR USE CASES
CONSTRAINTS
EXTENSIONS

BASIS OF IMPLEMENTATION

PROFILES

SHARED PROFILES = INTEROPERABILITY

SERVICES ← **4 PARADIGMS**

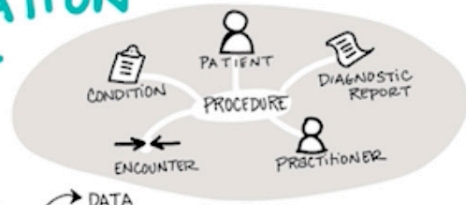
RESTFUL
↓
DOCUMENTS

MESSAGES

CLINICAL INFORMATION MODEL

FORMAL DESCRIPTION OF DATA

RULES | CONSTRAINTS | RELATIONSHIPS



IS FHIR JUST A DRAFT STANDARD?



WE CAN DO THINGS WE COULDN'T DO BEFORE

FEATURES

MODELS →