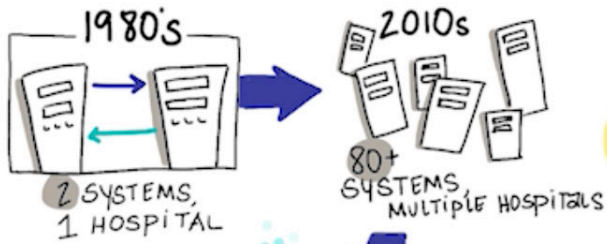
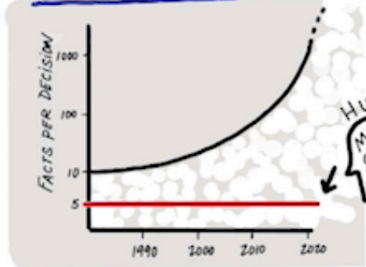


RUSSELL B. LEFTWICH, M.D.

INNOVATIONS IN ACHIEVING INTEROPERABILITY



MORE & MORE DATA!



NOW INTEROPERABILITY IS ABOUT

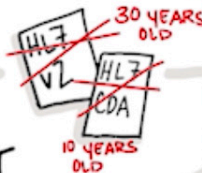
1 PLACE
ALL DATA
REAL TIME
ALL SYSTEMS

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

BLACK HORSE, WHITE STRIPES
OR
WHITE HORSE, BLACK STRIPES?



RESOURCES

BUILT FOR USE CASES
CONSTRAINTS
EXTENSIONS

BASIS OF IMPLEMENTATION

PROFILES

SHARED PROFILES = INTEROPERABILITY

SERVICES ← 4 PARADIGMS

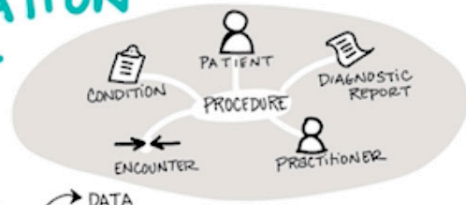
RESTFUL
DOCUMENTS

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