

SHARPC: Past, Present, and Future

Dr. Jiajie Zhang



How did SHARPC get
started?



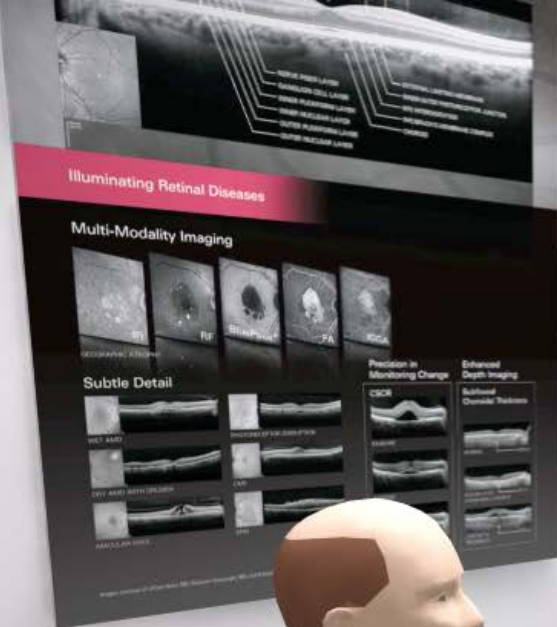
Excelsior Physicians Group























Challenges in EHR Adoption & Meaningful Use

Financial

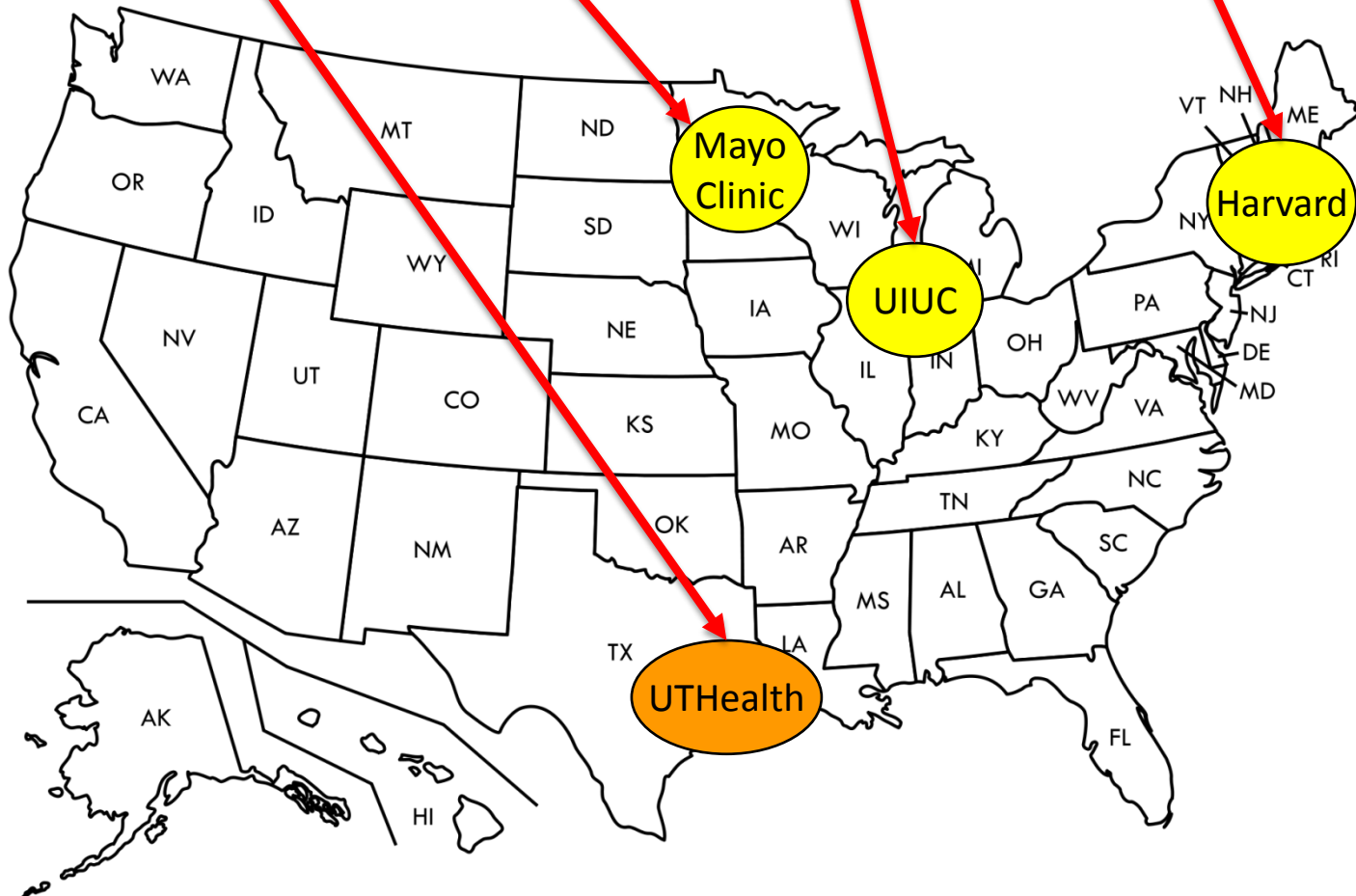
Cognitive

Standards

Privacy/Security

Technology

Workforce





Good cognitive support

User

Function

User
Interface

Workflow

HIT Gaps

SHARPC
NCCD

Poor cognitive support

User

Function

User
Interface

Workflow



HIT Gaps



Personalized

\neq



One size fits all

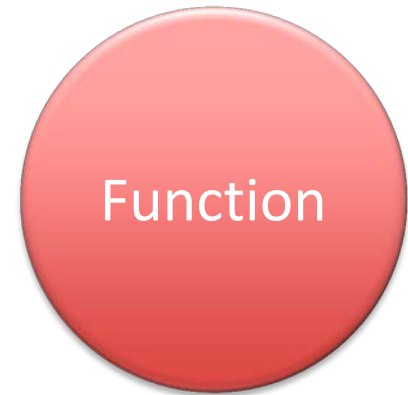


HIT Gaps



All essential functions
and
Only essential functions

\neq



Overhead functions;
Missing essential functions

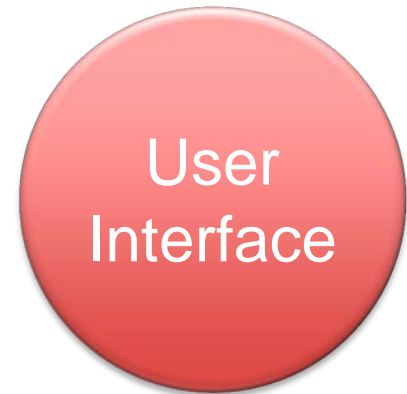


HIT Gaps



Intuitive, direct,
transparent, structured

≠



Confusing, indirect,
memory-based, scattered



HIT Gaps



Safe, effective, efficient,
work-centered

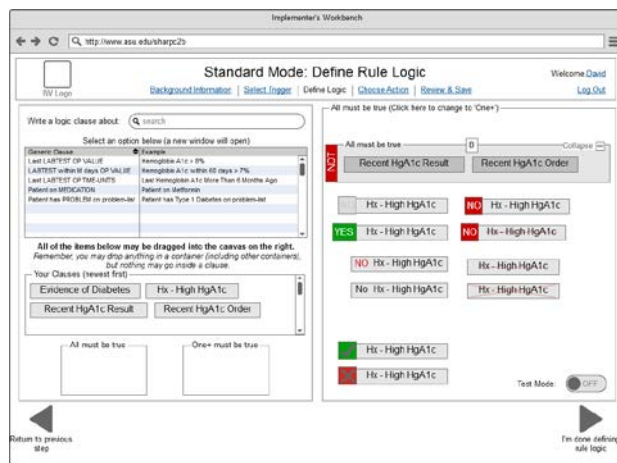
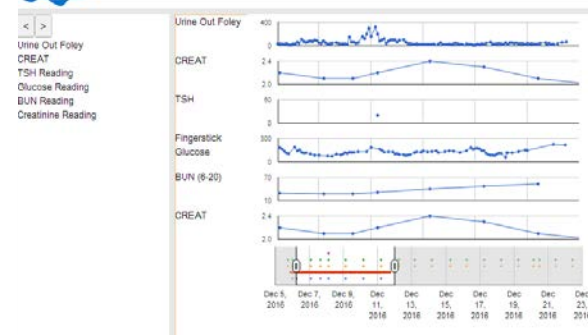
≠



Disconnected,
redundant, unclear,
interruption-laden



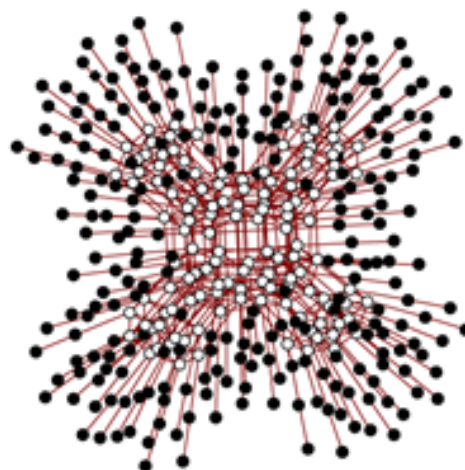
Priority Contact



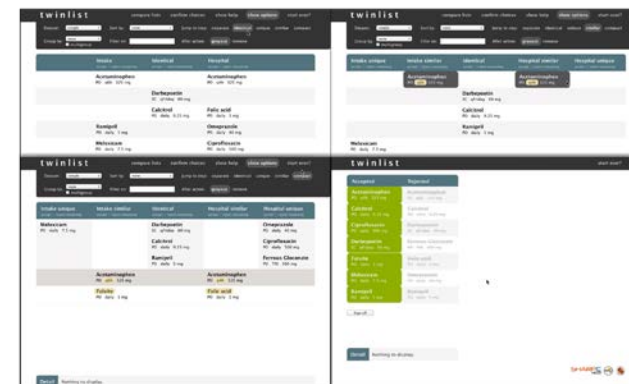
SHARPC
NCCD

solutions

SYFSA



TwinList



Automatic Clinical Summarization

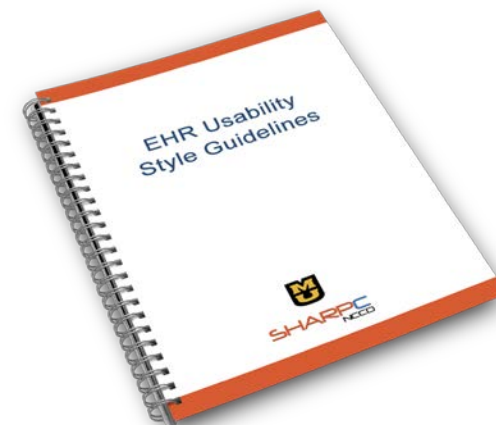
Adam Q. Smith – 375 Plantation Rd., Luling, TX W; 713-985-4215 [BC/BS TX](#)
62yr white male smk 5'-9" [195 lbs](#) (44 lbs in 6 mo.) [BMI-28.8](#)
Note: Referral to dietician (10/2/10) not scheduled

Hypertension (dx: 2/23/99) [BP-138/92](#) (today) (↓ from 145/100 in 3 mo.) on Atenolol (50 mg QD) + Hydrochlorothiazide (25 mg QD)
Consider: [●] Lisinopril (10 mg QD) – [CPG: High Blood Pressure](#)

Type 2 DM (dx: 7/1/03) [HbA1c-6.1%](#) (4/20/09) (↓1.2% in 6 mo.) [UACr – 50 mg/g](#) (4/20/09) on Metformin (500 mg TID) + Rosiglitazone (4 mg QD).
To Do: [●] HbA1c due – [CPG: Diabetes Mgmt](#) [●] dilated eye exam – [Pat Ed: retinopathy](#)

Cardiac risk factors: [Total cholesterol-215 mg/dL](#), HDL 44 mg/dL (12/2/09), ATP III 10 yr risk of MI or death - 22% [Pat Ed: Cardiac Risk Factors](#)

Visit History: St. Clair Hosp – Pneumonia ([11/27/09](#)); ED – Santa Monica Hosp – wrist fracture ([7/4/08](#)); Dr. M. Welby – Physical ([5/3/07](#))



EHR Usability:

*The **Emotional** Stages*

Some time in the past...



We are here...



Some time in the future...





The Near Future



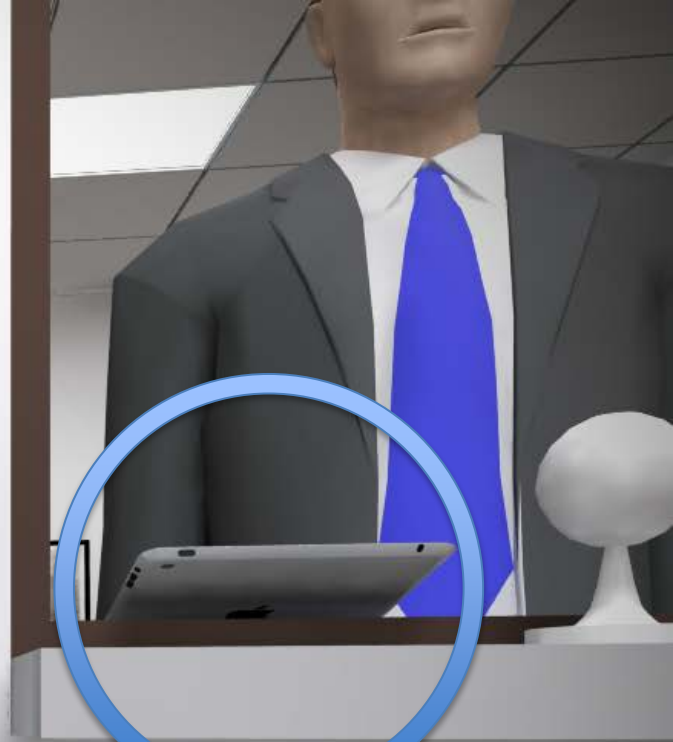
Community Physicians Group













Community
Professionals
Group

Temperature:
Video camera



Height:
Video camera



Weight:
Embedded floor sensors





Heart rate:
Door handle sensor

Blood pressure:
Door handle sensor







twinlist

compare lists

confirm choices

show help

check settings

start export

Dataset: [dropdown]

Sort by: [dropdown]

Jump to top

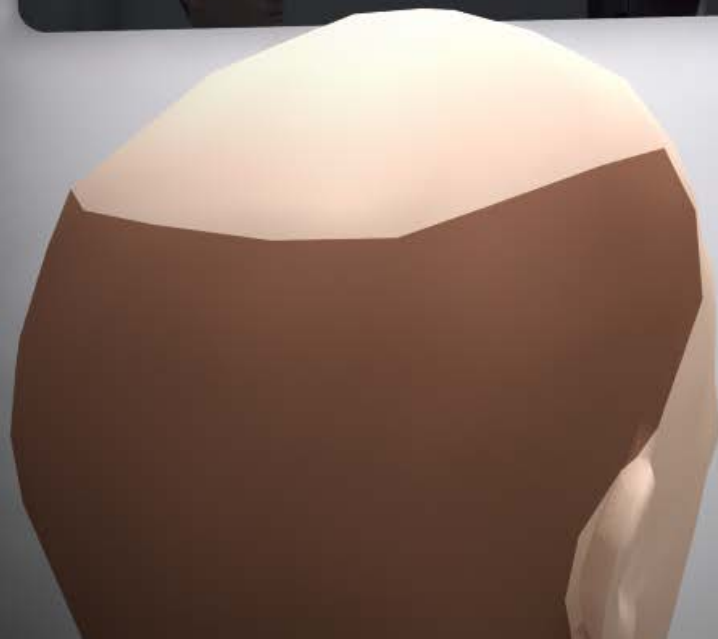
After action: [dropdown]

Group by: [dropdown]

Filter on: [dropdown]

cancel

Intake unique	Intake similar	Identical	Hospital similar	Hospital unique
Mefloxicam PO daily 7.5 mg		Darbepoetin SC weekly 400 mg		Omeprazole PO daily 40 mg
		Calcitriol PO daily 0.25 mg		Ciprofloxacin PO daily 500 mg
		Ramipril PO daily 5 mg		ferrous Glconate PO bid 325 mg
	Acetaminophen PO q6h 325 mg		Acetaminophen PO q6h 325 mg	
	Fulvicin PO daily 1 mg		Folic acid PO daily 1 mg	





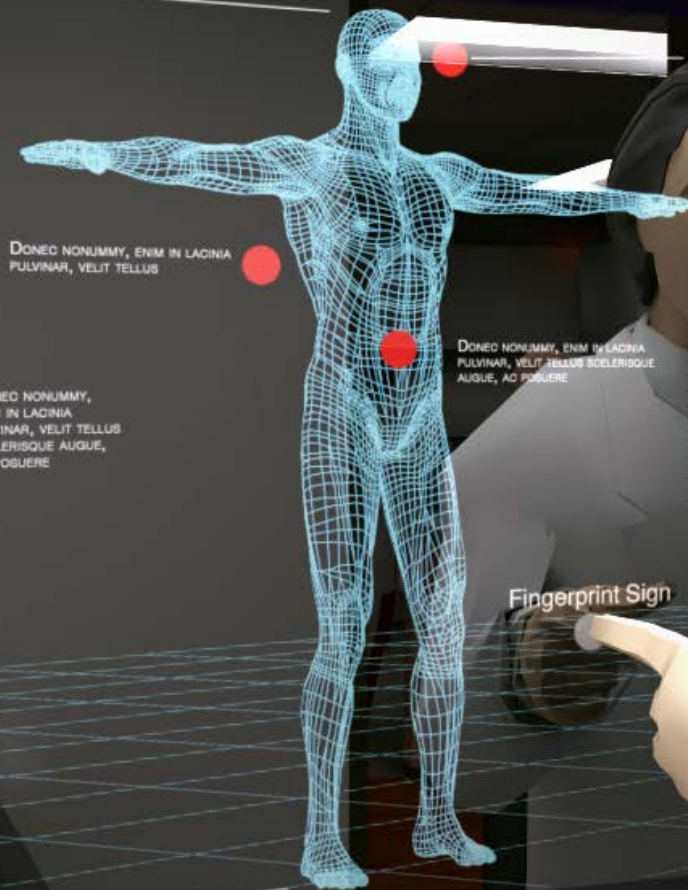
DOE, JOHN

LOREM IPSUM DOLOR ET AMET, DONBECTETUER
ADIPISICING ELIT. NAM NIBH. NUNC VARIUS
FACILIBUS ENOE. SED ERAT. IN IN VELIT QUIE ARDU
ORINARE LAORREY. CURABITUR ADIPISICING
LECTUS MASDA.

INTERER UT PURUS AD AUGUS COMMODO
COMMODO. NUNC RED MI EU JUSTO TEMPOR
CONBECTETUER. ETIAM VITAE NIBH. IN DIONISSIM
LAQUE UT ANTE. CRAS ELIT LECTUS, AUBBIDUM A,
ADIPISICING VITAE, COMMODO ET, DUE.

UT TRINDUNT TORTOR. DONEC NONUMMY, ENIM
IN LACINIA PULVINAR, VELIT TELLUS SCOLERISQUE
AUGUE, AC POSUIERE LIBERO URINA EGET NEQUE.
CRAS IPSUM. VESTIBULUM PRETIUM, LECTUS NEO
VENENATIS VOLUTRAT, PURUS LECTUS ULTRICES
RIBUS, A CONDOMENTUM RIBUS MI ET QUAM.
PULSANTESQUE AUCTION PRINIBILLA NEQUE. DUM
ET MASDA UT LOREM (AQUE VESTIBULUM.
MASSIDAM FACILIBUS ELIT RED JUSTO. QUIRQUE
VIL UTAT MALESQUARA VELIT.

5'-9"



DONEC NONUMMY, ENIM IN LACINIA
PULVINAR, VELIT TELLUS

DONEC NONUMMY,
ENIM IN LACINIA
PULVINAR, VELIT TELLUS
SCOLERISQUE AUGUE,
AC POSUIERE

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PRETIUM, LECTUS NEO
VENENATIS VOLUTRAT,
PURUS LECTUS ULTRICES
RIBUS, A CONDOMENTUM
RIBUS MI ET QUAM.



Fingerprint Sign

