Indian Health Service EHR Tips and Tricks: STIs, SUD, HCV, PrEP and HIV

AMY RUBIN, PHARMD, MMI, CHTS-IS CLINICAL INFORMATICS APRIL 26, 2023



Learning Objectives

- •Define Clinical Decision Support (CDS)
- Understand different options to provide CDS
- •Delineate roles in CDS process
- •Outline available RPMS CDS options
- •Define path to obtain assistance



Clinical Decision Support

Definition of CDS

Provides clinicians, staff, patients or other individuals with knowledge and person-specific information

Intelligently filtered or presented at appropriate times

Enhances health and health care

CDS Tools

- •Encompasses a variety of tools to enhance decision-making
 - Computerized alerts
 - Reminders
 - Clinical guidelines
 - Condition-specific orders sets
 - Focused patient data reports or summaries
 - Templates
 - Diagnostic support
 - Contextually relevant references information

CDS Five Rights

Right Information

Right person

Right CDS intervention format

Right channel

Right point in workflow



Benefits of CDS

- •Increased quality of care
- •Enhanced health outcomes
- •Avoidance of errors and adverse events
- •Improved efficiency, cost-benefit, and provider and patient satisfaction
- •Promotion of best practices
- •Cost profile improvements
- •Rapid response to public health emergencies

Optimization of CDS

Measurable value in addressing a recognized problem area or area for improvement

Leverage multiple data types

Produce actionable insights from multiple data sources

Deliver information to the user

Demonstrate good usability principles

Testable in small setting & expandable to larger settings

Support successful participation in quality initiatives

CDS Challenges

Need to independently develop, deploy, and manage CDS content

Lack of reliable, shareable CDS content and capabilities

Absence of systemic means to validate content

Technical difficulties of sharing CDS

Suboptimal user interfaces

Inappropriate and inapplicable CDS

Success with CDS

Attributes that Lead to Success

Leadership

Identified and assigned roles

Integration

Value to users

Training and support

Standardization

Centralization

CDS Roles

- •Informaticists = Clinical Applications Coordinators (CACs)
- •Clinicians
- Leadership support
- •Health Information Management
- •Privacy



RPMS EHR CDS

RPMS EHR "TIPS AND TRICKS"

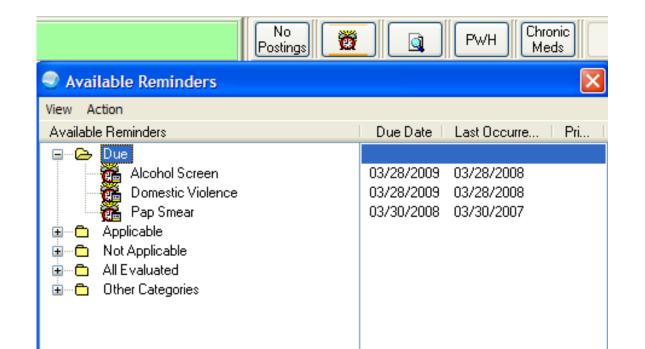


CDS Examples in RPMS EHR

- Clinical Reminders
- •Order Menus
- Order Sets
- Order Checks
- Clinical Warnings

- Patient Record Flags
- •Health Summaries
- Note templates
- •iCare





Clinical Reminders in RPMS EHR

Available Clinical Reminders

- •Chlamydia screening
- •HIV screening
- •Hepatitis C screening & treatment follow up
- •Syphilis
- •Chronic Opioid Therapy (HOPE)



-	Rer	minder Resolution: Syphilis Screen Needed —	×
2		tient is between 13-64 years of age with no philis screen on file in the last year.	
	= ¥F	philis screen on file in the last year.	_
		Syphilis screening lab test ordered by provider.	
	$\mathbf{\nabla}$	Syphilis screening lab test ordered per policy:	
		The implemented orders are authenticated by the authorizing	
		provider's signature at the bottom of this note.	
		Policy Name: <edit by="" i="" oi-nci-syphilis="" policy-221114="" w=""></edit>	
		Policy Number: <edit by="" i="" oi-nci-syphilis="" policy-221114="" w=""></edit>	
		Last Approval Date: <edit by="" i="" oi-nci-syphilis="" policy-221114="" w=""></edit>	
	_		
		Syphilis screening lab test previously performed elsewhere:	
		STI-Tests education provided at this encounter.	
		Good	
		2	
		RECEPTIVE	
		Patient declined syphilis screening at this time.	
	_	*****	
		Refusals should also be documented via	
		the "Personal Health" EHR component	

		* Indicates a Red	 ••••••
		Educations: STI-TESTS	 ••••
		Coucations: STI-TESTS	

Syphilis Screening Reminder Documentation

Hepatitis C Screening and Treatment

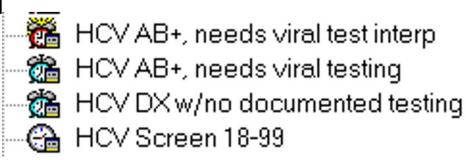
Group of Reminders that can follow a patient from needing screening all the way to treatment and SVR

Red = Due

Blue = Taken care of

White – Not applicable

Can use template to document status Ex: HCV infection, no treatment history



Based on laboratory results and clincal history, document current Hep C status HCV Infection - no treatment history HCV Infection - initial treatment in progress HCV Infection - full or partial treatment complete HCV Infection - re-treatment in progress HCV Clearance - preliminary HCV Clearance - final HCV - re-infection Hepatitis C care Cordered Hep C Clinic consult Follow up at Hep C clinic



STDs...

Pelvic Inflammatory Disease

cefTRIAXone 500mg IM Doxy Hyclate 100mg BID with or without metroNIDAZOLE 500mg bid

Bacterial Vaginosis

metroNIDAZOLE 500mg bid Tinidazole 2gm daily x 2 days

<u>Gonorrhea & Chlamydia (Dual Therapy)</u> cefTRIAXone 500mg IM Doxycycline Hyclate 100mg bid

if >150kg cefTRIAXone 1gm IM Doxycycline Hyclate 100mg bid

<u>Gonorrhea only (Single Therapy)</u> cefTRIAXone 500mg IM

> if >150kg cefTRIAXone 1gm IM

Cefixime 800mg po now

<u>Trichomoniasis</u> metroNIDAZOLE 2gm x 1 Tinidazole 2gm x 1

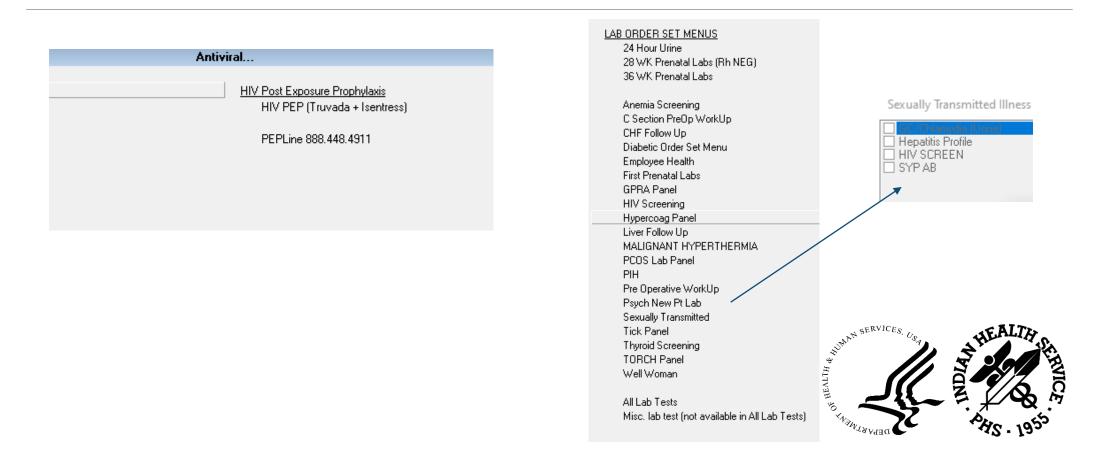
<u>Genital Herpes</u> Acyclovir 400mg tid x 7 valACYclovir 1gm bid x 7

<u>Syphilis</u>

Penicillin G 2.4 million units IM Doxycycline Hyclate 100mg bid Azithromycin 2gm PO x 1

Order Menus

Order Sets



Medication Order			×
PENICILLIN INJ,SUSP			Change
		/t on 01/12/2023 15 Ht on 01/12/2023 6	
Dosage Complex	FL	HC010171272023 6	UIN (192.4 CH
Dosage	Route	Schedule	
2.4 MILLION UNITS/4ML 1200000UNIT/ML	INTRAMUSCULAR	ONCE	🗌 PRN
1.2 MILLION UNITS/2ML 1200000UNIT/ML 2.4 MILLION UNITS/4ML 1200000UNIT/ML	INTRAMUSCULAR INTRA-ARTICULAR	MO-WE-FR MO-WE-FR-SA-SL	^
600000UNITS/1ML 600000UNIT/ML		MO-WE-FR-SU	,
Order Checking - Source: Veterans Health	Administration		
Previous adverse reaction to: PENICILLIN (5/17/18@11:37);RASH (9/17/20@12:02:	(LUCAL) Reac: NAUSEA AI 19)	ND VOMITING	
			~
Patient			
Instructions:			
Days Suppli			
Clinic			NE 🕶
			harge ication
Notes to Ph			
Accept Order	Cancel Order		^
PENICILLIN INJ,SUSP 1200000UNIT/ML		<u>^</u>	
INJECT 2.4 MILLION UNITS/4ML INTRAMUSCULARLY (IN	4) ONCE		
Quantity: 4 Days: 1 Refills: 0 *Chronic Med: NO Dispense as	Written: NO Indication: Ch	nronic atrial	
fibrillation			
			ADR's
			Accept Order
		~ [Quit

Order Checks

ds Pharm C	ď	👸 🧕 🗐 Postings CWA
🚽 🍚 Patient Postings		×
Allergies	Severity	Signs / Symptoms
Topical Steroids Aspirin Lactose Motrin Bactrim Hydrocortisone Penicillin Azithromycin	Moderate Moderate	Anxiety Severe Rash Gi Reaction;Diarrhea Alopecia Rash Other Reaction Rash Headache
Crisis Notes, Warning Notes, D	irectives, Record Flag	ls
C CRISIS NOTE W CONTROLLED SUBSTA W CONTROLLED SUBSTA	2 NCE AGREEMENT \	0-Mar-2006 07:20

Clinical Warnings

Record Flags		
Patient:		4
Flag Name:	BEHAVIORAL	
Flag Type:	BEHAVIORAL	
Assignment Status:	ACTIVE	
Initial Assigned Date:	JUN 13, 2008@13:50:27	
Approved by:		
Next Review Date:	JUN 13, 2010	
Owner Site:	DEMO HOSPITAL	
Originating Site:	DEMO HOSPITAL	
Assignment Narratives:		
. Cautio	on when you are in the room with him. Alway	s have
a extra person with you.		

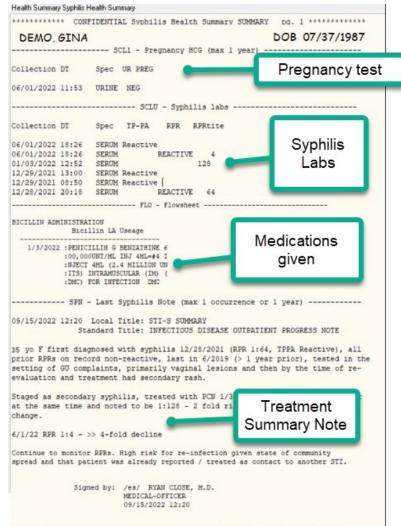
Patient Record Flags

"Pops" – more visible form of tagging a patient

Special considerations:

- Privacy
- Implementation & management

4



*** END **** CONFIDENTIAL Syphilis Health Summary SUMMARY pg. 1 ***********

Health Summary

Will further evaluate at initial visit. Labs to be ordered by clinic today: Labs to be ordered by clinic today: Chen 12 Chen 12 HV bay/bas HV bay/bas Beson basterial STD Usine Drug Screen HV bay/bas HV bas HV bas HV bas HV bas HV bas HV bas GC/chlampdia swab (rectal) - HV testing should be performed - HV testing should be performed - STI e of concern (MSM population): Syphilis - STI e of concern (MSM population): Syphilis - Use only indicated one time - Bepact of Haputtis parties a wailable and schedule initial appointment. Will notify patient one labe results available and schedule initial appointment. Will notify patient one labe results available and schedule initial ap	PLAN	ASSESSMENT
And function formation Next function Intervention Recent bacterial STD Labs to be ordered by clinic today: Next function INT Ag/Ab Next function Chen 12 Next function Hepstitis Panel Commercial sex work Will evaluate further at initial visit. Commercial sex work HOG Will evaluate further at initial visit. C. Creach/N. gon urine Vrine Drug Screening: CoC/Chlanydia swab (rectal) - Urine Drug Screening: - HIV testing should be performed - Urine Drug Screening: - HIV testing should be performed - Urine Drug Screening: - Filtering besides HIV) should be - Guidelines recommend for MSM who have multiple partners: Baseline at mosts testing for STIS (other than HUV) GC/Chlanydia Urine catch GC/Chlanydia Urine catch GC/Chlanydia Urine catch GC/Chlanydia Urine catch GC/Chlanydia Urine catch GC/Chlanydia Urine catch GC/Chlanydia Urine catch - Usis only indicated one time - USIs of concern (MSM population): Syphilis, Gonorthea, Atas existes of corporate at at semi-annual visits. - USIs of concern (MSM population): Syphilis, Gonorthea, Chase second of call sexnually visits. - USIs	Patient to follow up with pharmacy for HIV PrEP services.	
Labs to be ordered by clinic today: HY A/Ab Chem 12 Hyp Apatitis Fanel Utine Drug Screen HO Sphilis C. trach/N. gon urine C. trac	Will further evaluate at initial visit.	Sexual partner with HIV
HV Ag/Ab Chem 12 Hepatitis Fanel Urine Drug Screen HCG Syphilis C. Crach/N. gon urine GO/Chlamydia svab (pharymeel) File stat HV test and date: - NIV testing should be performed Performed test at minimum. - Pregnancy tests at minimum. - STI secting (besides HV) should be Signed off by provider. - STI secting (besides HV) should be signed off by provider. - STI secting (harymida Trink) Kull notify patient once labs results available and schedule initial appointment. Kull notify patient once labs results available and schedule initial appointment. Kull notify patient once labs results available and prevention PFEP side effects and precautions PEP administration and compliance PFEP side effects and precautions = MPEP administration and compliance		Recent bacterial STD
HV Ag/Ab Chem 13 Hepatitis Panel Urine Drug Screen HOG Syphilis C./Chanydia svab (paryngeal) GC/Chlanydia svab (rectal) HV testing should be performed eC/Collanydia svab (rectal) HV testing should be performed eC/Collanydia svab (rectal) HV testing should be performed eC/Collanydia svab (rectal) HV testing should be performed eFered to Fully active at werey wisit. - STI esting (besides HV) should be signed off by provider. - STI esting indicated one time - Repeat of Hepatitis panel as meeded main annually (if at risk) Kill notify patient once labs results available and schedule initial appointment. Kill notify patient once labs results available and prevention PFEP side effects and precautions [PEP administration and compliance	Labs to be ordered by clinic today:	High number of sex partners
Chem 12 Hepatitis Panel Utime Drug Screen HOG Syphilis C. trach/N. gon urine C/Chlamydia swab (pharyngel) C/Chlamydia swab (rectal) - HIV testing should be performed correct initiation of PEEP, as meeded - STI so concern (MSM population): offered to freque to freque to the service of the se	HIV Ag/Ab	
Hepatitis Panel Urine Drug Screen WRG Syphilis C. trach/N. gon urine CC/Chlamydia swab (heryngeal) CC/Chlamydia swab (rectal) - HUY testing should be performed effore initiations needed ind every 3 months at minimum. Pregnancy tests at minimum should be ffered to female patients who are exemally active at every visit. SI testing hould be performed - SII esting bould be igned off by provider. - SII esting hould be rescented for GRS population): tigned off by provider. - SII esting hould be rescented for Graph patient once labs results available and schedule initial appointment. Kuncation needed: HV transmission information _ HV testing timeline HV transmission information _ HV testing timeline PEPS side effects and precautions _ PEPS administration and compliance	Chem 12	
 Urine Drug Screen Urine Drug Screen Syphilis C. trach/N. gon urine C/Chlamydia svab (pharyngeal) GC/Chlamydia svab (rectal) Will evaluate further at initial visit. GC/Chlamydia svab (rectal) Will evaluate further at initial visit. Urine Drug Screening: Urine Drug Screening: Hypeatist A/B Immunity: Last HIV test and date: Immitations needed: GC/Chlamydia svab (thrar MD rectal) GC/Chlamydia Urine catch GC/Chlamydia Screening and at semi-annual Visits." To so concerne (MSM population): Syphilis, Gonorrhae, Chlamydia Scetting in MSM, MART tests are preferented for all semially active MSM prescribed PEP So only indicated one time "Sepset of Epapetist partiel as needed Into tify patient once labs results available and schedule initial appointment. Guation markis in document are directly from the CDC PEP guidelines Syphilis Elood "Tests to screen for syphilis are recommended for all adults prescribed PEP Sub effects and precautions PEPE administration and compliance 	Henritic Davel	
HOG Syphilis C. trach/M. gon urine GC/Chlamydia swab (pharyngeal) C/Chlamydia swab (pharyngeal) C/Chlamydia swab (pharyngeal) C/Chlamydia swab (rectal) - HU testing should be performed Sofore initiation of PTEP, as needed and avery 3 months at minimum. - Pregnancy tests at minimum should be offered to female patients who are escully active at every visit. - STIS of concern (MSM population): Syphilis, Gonorrhes, Chlamydia Too gonorrhes and chlamydia Will evaluate further at initial visit. - STIS of concern (MSM population): Syphilis, Gonorrhes, Chlamydia Too gonorrhes, Chlamydia Will notify patient once labs results available and schedule initial appointment. Kucation needed: HIV transmission information HIV transmission information HIV transmission information PEEP side effects and precaution PEEP side effects and precaution PEEP side effects and precaution		
Syphilis C. trach/N. gon urine GC/Chlamydia swab (pharyngeal) GC/Chlamydia swab (prectal) - HIV testing should be performed before initiation of PEB, as needed and every 3 months at minimum. Pregnancy tests at minimum should be offered to female patients who are sexually active at every visit. - STI soft concreta. (NSM population): Syphilis Output to the section of the sectin section of the sectin of the section of the		PWID risk index
 C. trach/M. gon urine C. trach/M. do the state of trach and trach		
 CC/Chlanydia svab (pharyngeal) CC/Chlanydia svab (pharyngeal) CC/Chlanydia svab (rectal) HIV testing should be performed Last HIV test and date: Imminations needed: STI esting (beddes HIV) should be server visit. STI esting (beddes HIV) should be stored for all sexually active at every visit. STI esting (beddes HIV) should be stored for all sexually active at screening and at semi-annual visits. Tests to screen for gonorrhea are recommended for all sexually active at screening into a semi-annual visits. To gonorrhea, Chlanydia testing in MSK, NAAT tests are preferred for all sexually active at a very visit. STI esting to maximize the identification of infection, which matany of these sites of exposure during sex. Self-collected samples Will notify patient once labs results available and schedule initial appointment. Stucation needed: HIV transmission information HIV testing timeline HIV transmission information SprEP administration and compliance 	Syphilis	Will evaluate further at initial visit.
 GC/Chlamydia sysb (pharyngesl) GC/Chlamydia sysb (rectal) HV testing should be performed service initiation of PEP, as needed HV testing should be performed service initiation of PEP, as needed GC/Chlamydia sysb (those stating for SIIs (other than HIV) GC/Chlamydia sysb (throat AND rectal) SII testing (besides HIV) should be signed for all sexually active MSH provider. SIIs of concreta (MSH population): syphilis, Goornhea, Chlamydia UDS is only indicated one time Repeat of Hepatitis panel as needed and annually (if at risk) Kill notify patient once labs results available and schedule initial appointment. Guivalent formation [HIV testing timeline] HIV risk mitigation strategies [SII education and prevention] PEP Side effects and precautions [PEP administration and compliance HIS risk mitigation strategies [SII education and compliance HIS risk mitigation strategies [SII education and compliance HIS risk mitigation strategies [SII education and compliance HIS risk mitigation strategies [SII education and compliance HIS risk mitigation strategies [SII education and compliance HIS risk mitigation strategies [SII education and compliance HIS risk mitigation strategies [SII education and compliance HIS risk mitigation strategies [SII education and compliance 	C. trach/N. gon urine	
 GC/Chlamydia swab (rectal) - Hepatitis A/B Immunity: - Last HJY test and date: - Immunitations needed: - STIs of concern (MSM population): - UDS is only indicated one time - Repeat of Hepatitis panel as needed - Mill notify patient once labs results available and schedule initial appointment. - Stucation needed: - HTV transmission information HIV testing timeline - HTV transmission information STI education and prevention - PEPE side effects and precentions PEEP administration and compliance - Tast to screen for syphilis are recommended for all adults preser - Store streening and a semi-annual visits. - Work and annually (if at risk) 	GC/Chlamydia swab (pharyngeal)	
 HIV testing should be performed HIV testing should be performed HIV testing should be performed Guidelines recommend for MSM who have multiple partners: Baseline at months testing for STIS (other than HIV) GUIdelines recommend for MSM who have multiple partners: Baseline at months testing for STIS (other than HIV) GUIdelines recommend for MSM who have multiple partners: Baseline at months testing for STIS (other than HIV) GUIdelines recommend for MSM who have multiple partners: Baseline at months testing for STIS (other than HIV) GUIdelines recommend for MSM who have multiple partners: Baseline at months testing for STIS (other than HIV) GUIDELINE as the stream of the screening and at semi-annual visits. Tests to chlamydia are recommended for all sexually act to chlamydia are recommended for all sexually acts. Tests to chlamydia testing in MSM, NAAT tests are preferr. Store interval on the stream of the stream of the stream of their sensitivity. Pharyngeal, rectal, and urine specimens should in (3-site testing to minist tho of inferior, which m at any of these sites of exposure during sex. Self-collected samples S-SII education and prevention HIV ransmission information HIV testing timeline HIV risk mitigation strategies SII education and prevention PEEP adde offects and precession of PEEP administration and compliance 		
 HIV testing should be performed operating should be performed on MSM who have multiple partners: Easeline at months testing for SIIs (other than HIV) GC/Chlamydia Urine catch (GC/Chlamydia Such (Dreat AND rectal)) SII testing (besides HIV) should be trigged of the provider. SIIs (other than HIV) GC/Chlamydia such (Dreat AND rectal) SIIs (other than HIV) GC/Chlamydia such (Dreat AND rectal) SIIs (other than HIV) GC/Chlamydia such (Dreat AND rectal) SIIs (other than HIV) GC/Chlamydia such (Dreat AND rectal) Signal of the provider. SIIs (other than HIV) GC/Chlamydia such (Dreat AND rectal) Signal of the provider. <	Go, Chiamydia Swab (lectar)	
<pre>seCore initiation of PrEP, as needed ind every 3 months at minimum. > Pregnancy tests at minimum should be iffered to female patients who are secured to temale patients who are secured to the secured to a SUM previded. - STIs of concern (MSM population): yphilis, Gonorrhea, All secured and at semi-annual visits. Tests to - STIs of concern (MSM population): yphilis, Gonorrhea, All secured and at semi-annual visits. Tests to - STIs of concern (MSM population): - Sto source of the secured on the</pre>	WWW provide should be usefured	- Immunizations needed:
<pre>- Outderlines recommend for non who have mittigle partners: Faseline a pregnancy tests at minimum should be fffered to female patterns who are recurly active at every visit. - STI setting (besides HV) should be idened off by provider. - STI setting (besides HV) should be idened off by provider. - STI setting to concern (MSM population): Symbilis, Gonornhea, Chlamydia ' UDS is only indicated one time Repeat of Repatitis panel as needed ind annually (if at risk) ''''''''''''''''''''''''''''''''''''</pre>		
 Drepancy tests at minimum should be Drepancy tests at minimum should be defined of female patients who are descale patients patient once labs results available and schedule initial appointment. descale patient once labs results available and schedule initial appointment. descale patient once labs results available and schedule initial appointment. descale patient once labs results available and schedule initial appointment. descale patient wisit flow." Quotation marks in document are directly from the CDC PrEP guidelines descale patient ons schedi for all adults preser both at screening and at semi-annual visits." descale patient wisit flow." descale patient wisit flow."		
<pre>sexually active at every visit. - STI testing (besides HTU) should be signed off by provider. - STI testing (besides HTU) should be signed off by provider. - STIs of concern (MSM population): - "Tests to screen for gonorrhea are recommended for all sexually act prescribed PTEP, both at screening and at semi-annual visits. Tests to prescribed PTEP, both at screening and at semi-annual visits. - STIs of concern (MSM population): - "Tests to screen for gonorrhea are recommended for all sexually act prescribed PTEP, both at screening and at semi-annual visits. - Stis of concern (MSM population): - "Tost so concern (MSM population): - "Tost so concern (MSM population): - "Tost so coreen (MSM population): - "Tost so coreen (MSM population): - "Tost so coreen (MSM precedual visits." - "For gonorrhea and chamydia testing in MSM, NAAT tests are preferr - "For gonorrhea and chamydia testing in MSM, NAAT tests are preferr of their sensitivity. Pharyngeal, rectal, and urine specienes should 1 (3-site testing) to maximize the identification of infection, which m at any of these sites of exposure during sex. Self-collected samples equivalent performance as clinician-obtained samples 95-97 and can he streamline patient visit flow." Quotation marks in document are directly from the CDC PrEP guidelines HTV risk mitigation strategies STI education and prevention - "Tests to screen for syphilis are recommended for all adults prescr both at screening and at semi-annual visits."</pre>		months testing for Sils (other than HiV)
<pre>sexually active at every visit. SIT cesting (besides HIV) should be igned off by provider. - SITs of concern (MSM population): - SIT education and compliance - SIT education stategies [SIT education and compliance - Suphilis Blood - "Tests to screen for syphilis are recommended for all adults preserning and at semi-annual visits."</pre>	offered to female patients who are	GC/Chlamydia Urine catch
- STI testing (besides HIV) should be signed off by provider. - STIs of concern (MSM population): Syphilis, Concrhea, Art Screening and at semi-annual visits. Tests to - STIs of concern (MSM population): Syphilis, Concrhea, Art Screening and at semi-annual visits. - Store concern (MSM population): Syphilis, Concrhea, Art Screening and at semi-annual visits. - Test at semi-annual visits. - Test at semi-annual visits. - Test at any of these sites of exposure during sex. Self-collected samples is - Streaming having the set of exposure during sex. Self-collected samples is - Streaming having the set of exposure during sex. Self-collected samples is - Streaming having the set of exposure during sex. Self-collected samples is - Streaming having the set of exposure during sex. Self-collected samples is - Streaming having the set of exposure during sex. Self-collected samples is - Streaming having the set of exposure during sex. Self-collected samples is - Streaming having the set of exposure during sex. Self-collected samples is - Streaming having the set of exposure during sex. Self-collected samples is - Streaming having the set of exposure during sex. Self-collected samples is - Streaming having the set of exposure during sex. Self-collected samples is - Streaming having the set of exposure during sex. Self-collected samples is - Streaming having the set of exposure during sex. Self-collected samples is - Streaming having the set of exposure during sex. Self-collected samples is - Streaming having the set of exposure during sex. Self-collected samples is - Streaming having the set of exposure during sex. Self-collected samples is - Streaming having the set of exposure during sex. Self-collected samples is - Streaming having the set of exposure during sex. Self-collected samples is - Streaming having the set of exposure during sex. Self-collected samples is - Streaming having the set of exposure during sex. Self-collected samples is - Streaming having the set of exposure during sex. Sel		
<pre>- STIs of concern (MSM population): Syphilis, Gonornhea, Chlamydia = recommended for all semi-annual visits." tests to sphilis, Gonornhea, Chlamydia = recommended for all semi-annual visits." - DS is only indicated one time - Repeat of Hepatitis panel as needed and annually (if at risk) Atil notify patient once labs results available and schedule initial appointment. Atil notify patient once labs results available and schedule initial appointment. Atil notify patient once labs results available and schedule initial appointment. Atil notify patient once labs results available and schedule initial appointment. Atil notify patient once labs results available and schedule initial appointment. Atil notify patient once labs results available and schedule initial appointment. Atil notify patient once labs results available and schedule initial appointment. Atil notify patient once labs results available and schedule initial appointment. Atil notify patient once labs results available and schedule initial appointment. Atil notify patient once labs results available and schedule initial appointment. Atil notify patient once labs results available and schedule initial appointment. Atil notify patient on and compliance Atil notify patient on and compliance Atil notify patient on a tesmi-annual visits." Atil notify patient on a tesmi-annual visits."</pre>		- "Tests to screen for gonorrhea are recommended for all sexually active
Syphilis, Gonorrhes, Chlamydia Chlamydia UDS is only indicated one time Second to the second sec		prescribed PrEP, both at screening and at semi-annual visits. Tests to so
- UDS is only indicated one time - "For gonorrhea and chamydia testing in MSM, NART tests are preferr - Repeat of Hepatitis panel as needed - "For gonorrhea and chamydia testing in MSM, NART tests are preferr - Repeat of Hepatitis panel as needed - "For gonorrhea and chamydia testing in MSM, NART tests are preferr - Mapat of Hepatitis panel as needed - "For gonorrhea and chamydia testing in MSM, NART tests are preferr - Will notify patient once labs results available and schedule initial appointment. - "For gonorrhea and chamydia testing in MSM, NART tests are preferr Will notify patient once labs results available and schedule initial appointment. - equivalent performance as clinician-obtained samples Schedule for and camples Education needed: - UDT transmission information information information of prevention - Will schedule for all adults preser - HIV transmission information is prevention - Syphillis Blood - "Tests to screen for syphilis are recommended for all adults preser - PEEP side effects and precentions - Tiests to screen for syphilis are recommended for all adults preser		chlamydia are recommended for all sexually active MSM prescribed PrEP, bo
 - Repeat of Repatitis panel as needed - For gonormea and climation (a testing in holl, what specimens should a sensitivity. Pharyngeal, rectal, and urine specimens should in (3-site testing) to maximize the identification of infection, which m at any of these sites of exposure during sex. Self-collected samples - For gonormea and climating the identification of infection, which m at any of these sites of exposure during sex. Self-collected samples - For gonormea and climating the identification of infection, which m at any of these sites of exposure during sex. Self-collected samples - For gonormea and climating the identification of infection, which m at any of these sites of exposure during sex. Self-collected samples - For gonormea and climating the identification of infection, which m at any of these sites of exposure during sex. Self-collected samples - For gonormea and climating the identification of infection, which m at any of these sites of exposure during sex. Self-collected samples - For gonormea and climation information information information information information information information information and prevention - For side effects and precautions in For all adults preserved by the servening and at semi-annual visits." 		
and annually (if at risk) of their generating the first, and their generation of inference of the streaming the first, and the streaming the stream of the streaming the stream of the s		
Will notify patient once labs results available and schedule initial appointment. at any of these sites of exposure during sex. Self-collected samples Will notify patient once labs results available and schedule initial appointment. at any of these sites of exposure during sex. Self-collected samples Education needed: It visual available and schedule initial appointment. streamline patient visit flow." HIV transmission information HIV testing timeline Syphillis Blood HIV risk mitigation strategies SII education and prevention - "Tests to screen for syphilis are recommended for all adults preser DrEP side effects and precautions PEP administration and compliance both at screening and at semi-annual visits."		
Will notify patient once labs results available and schedule initial appointment. equivalent performance as Clinician-obtained samples 95-97 and can be streamline patient visit flow." Education needed: Quotation marks in document are directly from the CDC PrEP guidelines HIV transmission information HIV testing timeline HIV risk mitigation strategies SII education and prevention PrEP side effects and precautions PrEP administration and compliance	and annually (II at IISA)	
Streamline patient visit flow." Gducation needed: HIV transmission information HIV transmission information HIV transmission information HIV transmission Syphillis Blood - Tests to screen for syphilis are recommended for all adults preser both at screening and at semi-annual visits."	Will notify nationt once labs results available and schedule initial appointment	
Education needed: Quotation marks in document are directly from the CDC PrEP guidelines HIV transmission information HIV testing timeline HIV risk mitigation strategies SII education and prevention PEEP side effects and precautions PrEP administration and compliance	"III NOTITY patient once Tabs lesures available and schedule initial appointment.	
HIV transmission information HIV testing timeline HIV transmission information Syphillis Blood HIV risk mitigation strategies STI education and prevention PrEP side effects and precautions PrEP administration and compliance both at screening and at semi-annual visits."	Education needed	
HIV risk mitigation strategies STI education and prevention Syphillis Blood PEEP side effects and precautions PEEP administration and compliance both at screening and at semi-annual visits."	HIV transmission information HIV testing timeline	
PrEP side effects and precautions PrEP administration and compliance		Syphillis Blood
boon as screening and as send annual visios.		 "Tests to screen for syphilis are recommended for all adults prescribed
WBW wassing-series benefit and risks	· · ·	both at screening and at semi-annual visits."
Info vaccine series benefit and fisks	HPV vaccine-series benefit and risks	
ADDITIONAL NOTES/INFORMATION: - Still need the following labs/information:	ADDITIONAL NOTES/INFORMATION:	- Still need the following labs/information:

Note or Reminder Dialog Templates

iCare Population Management



i Community Alerts

Community Alerts from Mar 14, 2023 to Apr 13, 2023

COMMUNITY ALERTS

 \times

Community Alerts provide deidentified visit data related to high-profile diagnoses that occurred within the past 30 days and may affect other patients in your community. The Alert categories are:

1. CDC Nationally Notifiable Infectious Diseases (CDC NND) 2. Suicidal Behavior Related Incidents

3. Public Health Alerts

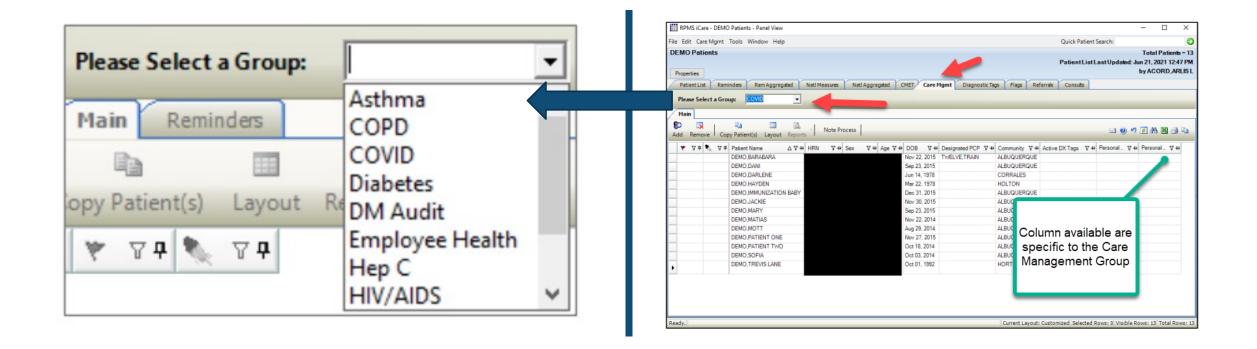
Community	Туре	Diagnosis	Cases Past 30 Days	Cases Yesterday	Most Recent Occurrence	Lab Confirmed	^
	Public Health	Haemophilus Influenzae	3	2	Apr 13, 2023		
	CDC NND	Syphilis, Primary	4	1	Apr 13, 2023	4]
	CDC NND	Syphilis, Primary	1	1	Apr 13, 2023	1	1
	Public Health	Influenza	75	3	Apr 13, 2023	71	1
	CDC NND	Syphilis, Primary	4	1	Apr 13, 2023	4	1
	Public Health	COVID-19	12	1	Apr 13, 2023	12	
	CDC NND	Syphilis, Primary	1	1	Apr 13, 2023	1	
	CDC NND	Syphilis, Primary	3	1	Apr 13, 2023	3	
	CDC NND	Syphilis, Primary	191	11	Apr 13, 2023	194	
	Public Health	COVID-19	173	5	Apr 13, 2023	165	
	CDC NND	Syphilis, Primary	94	2	Apr 13, 2023	94	
	CDC NND	Syphilis, Primary	10	1	Apr 13, 2023	11	
	Public Health	Influenza A H5N1	71	2	Apr 13, 2023	71	
	Public Health	COVID-19	119	8	Apr 13, 2023	112	
	CDC NND	Syphilis, Primary	2	1	Apr 13, 2023	2	
	CDC NND	Syphilis, Primary	23	3	Apr 13, 2023	24	1
	CDC NND	Rubella	12	1	Apr 13, 2023	12]
	CDC NND	Syphilis, Primary	7	2	Apr 13, 2023	7	1
						Close	1

iCare: Communit y Alerts

iCare: Care Management Group

Build a panel based on any criteria

Utilize Care Management Group to display pertinent columns of information related to that defined group (HIV, HCV, STI, etc)



iCare: Care Management Group

iCare: Care Management Event Tracking (CMET)

- Build a panel based on any criteria
- Utilize CMET Tab to find "events" that have been documented and are waiting for an iCare user to determine if the patient's event needs to be tracked.
- Once tracked, there are visual cues and other tools to help make sure the event is followed up and closed out.



iCare: CMET

	Track Don't Tra	-k Dend	Add Manual Ever	nt Batch D	Process Cri	aste A Danel 📟								
				Julie - Suterin	100035 011									
			4, 2023 01:51 PM Designated PCP		uudit. V B	Astive DV Tess	∇ + Event Name ∇	D Charles VI	■ Event Date ∇ ⊽ ≉	Europediad Europe	7 6 5:44	ng ⊽+¤ Finding Comment ⊽+	Decula V	Expanded Result
dit	STI	2005	Designated PCP	3 C'OW	-	COPD (P)	CHLAMYDIA SCREEN		Sep 07, 2022	Event obtained from:		ig trip Finding Comment tri	Hesuit 1	Expanded Result
										V CPT - 3511F CHLMYD/GONRH TSTS DOCD DON	١E			
_		2005	• •	3	1	COPD (P)	GONORRHEA SCREE	N PENDING	Sep 07, 2022	Event obtained from: V CPT - 3511F CHLMYD/GONRH TSTS DOCD DOI	١E			
		1997		AFTC	JN		CHLAMYDIA SCREEN	PENDING	<u>Mar 23, 2020</u>	Event obtained from: V LAB - CT.GC URINE R6910129			<u>Mar 23, 2020</u>	Current Status: RESULTED Result NOTE: This is a reportable disease. Positive results will be reported to the State Health Department. RML utilizes FDA-approved Aptima? kits from Holog for C. trachomatis. N. gonornhoeae and Trichomonas organisms. These nucleic acid amplification tests (NAATS) evaluate for the presence of organism nucleic acids and are very sensitive and specific for these organisms. However, false positives can occur at a very low rate. If the clinical scenario does not correlate with the results of these tests, re-testing with the same sample type is recommended if the clinical presentation is suspicious for disease, prior to initiation of therapy. Occasionally, an INDETERMINATE result occurs. When this occurs, re-testing is recommended if the clinical presentation is suspicious for disease, prior to initiation of therapy. This is a reportable disease. Positive results will be reported to the State Health Department. RML utilizes FDA-approved Aptima? kits from Holog for C. trachomatis. N. gonorrhoeae and Trichomonas organisms. However, false positives can specific for these organisms. However, false positives can occur at a very low rate. If the clinical scenario does not correlate with the results of these tests.

Informatics Assistance



Local and Area Informaticists

- •Informaticist = Clinical Applications Coordinators (CACs)
- •Engage to build or optimize tools to support efforts
- •Follow appropriate tier structure to request support
- •Barriers: limited capacity, skillset

National Assistance

National Council of Informatics (NCI) Clinical Decision Support Subcommittee

Office of Information Technology

National Council of Informatics Clinical Decision Support Committee New Reminder Request Form

Contact Name:

Contact Number:

Department:

Location (Site/Area):

Request

What problem are you trying to solve?

What national clinical guideline or best practice are you referencing?

NCI CDS New Reminder Request Form

National Council of Informatics Clinical Decision Support Committee
New Reminder Request Form

Contact Name: Contact Number: Department: Location (Site/Area):

Request What problem are you trying to solve?

What national clinical guideline or best practice are you referencing?

What group of patients are you targeting?

Age?

Gender?

Other structured data that can identify the patients? Ex: Diagnosis, CPT code, note title, etc.

What is the Current Process (if any) to address the issue?

How will you know that the issue has been addressed? What structured data could "turn off" the reminder? Ex: An education code, a CPT code, a lab, medication, order, etc.

In your mind describe what the end result looks like:

Other Resources

- •Listserv
- Office Hours
 - EHR
 - iCare
 - Laboratory
 - Immunization
- <u>Recording Repository</u>





Special Thanks

CAPT Katie Johnson, PharmD, MHIIM CAPT (ret) David R. Taylor MHS, RPh, PA-C, RN CDR John Lester, PharmD, MAS – Health Informatics



Contact Information

CAPT Amy Rubin, PharmD, MMI, CHTS-IS Oklahoma City Area Office Clinical Informaticist 405-951-3732 amy.rubin@ihs.gov

