Medsphere OpenVista

Release 2016.2.1 Enhancements

Electronic Prescribing May 2017





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Release 2016.2.1 eRx Enhancements

Note: All electronic prescribing (eRx) testing must be done in production; eRx cannot be set up in a development environment.

Mapping allergies and medications

In previous versions of eRx, users were required to manually map allergies and medications to facilitate allergy and drug interaction checking. Medsphere has enhanced the integration of OpenVista and eRx to automatically map medications and drug allergies, eliminating the need to perform these steps manually.

Before implementing this release, sites with eRx in production must have Medsphere personnel load an RxNorms file matched specifically to the site's medication formulary. This mapping may not be 100 percent effective, depending on the formulary setup and the site's NDC maintenance and NDF mapping procedures. The medication RxNorm must be accurate and recognized by eRx to be automatically mapped. Confirming that your formulary has accurate NDCs in the primary NDC field and that all formulary items are mapped to the NDF, when appropriate, will help ensure a high percentage of matches.

FileMan can be used to manually change or add an RxNorm to a medication.

Medications

Inpatient, outpatient and home medications entered in CareVue and mapped to a dispense medication are now automatically mapped and display in the **Current Medication** section of eRx. This enables automated drug/drug, drug/allergy and drug/disease interaction checking. Orders that do not yet have a dispense drug assigned, are not true medications, or are not recognized by eRx will continue to display in the **Imported Meds** section. Use the following information to determine when different types of medications are assigned a dispense drug.

Inpatient Medications

- Must have a pre-defined local dosage associated with an orderable and chosen during order entry
- Must have a status of **Pending** or **Active** in CareVue
- If there is no pre-defined local dose associated and chosen during order entry, the order must be verified by Pharmacy

Outpatient Medications

- Must have a pre-defined local dosage associated with an orderable and chosen during order entry
- Must have a status of **Active** in CareVue
- If there is no pre-defined local dose associated and chosen during order entry, the order must be made active by either printing the prescription or verifying it within Putty

Home Medications

- Must have a pre-defined local dosage associated with an orderable and chosen during order entry
- Must have a status of **Active** in CareVue



Action	Chronic	Outpatient Medications	Status	Process	Issued	Last Filled	Expires	Refills Remaining	Refills Rx # I Remaining			
		ARIPIPRAZOLE 10MG TAB_Qty: 90 (NINETY) for 90 days Sig: TAKE ONE TABLET BY MOUTH AT BEDTIME TAKE WITH FOOD_TAKE WITH FOOD TEST	Active	+	14-Mar-2017	14-Mar-2017	15-Mar-2018	2	KING, KURTIS			
Act	on	Home Meds			······ •			Status		Start Date		
	HOME MEDICATIONS CAPTOPRIL 12.5MG TAB UD [GEQ: CAPOTEN] 12.5MG MOUTH TWICE A DAY											
Act	on	Inpatient Medications						S	Status	Stop Date		
		QUINAPRIL TAB 20MG [GEQ: ACCUPRIL] Give: 20MG PO BID \Take with food						A	Active	14-Apr-2017		
	WARFARIN TAB 3MG [GEQ: COUMADIN] Give: 3MG PO DAILY \take with food INRs weekly									14-Apr-2017		

Figure 1: Medications entered in CareVue

Sel	ect	(Current Medications for STONE M TEST			Drug Review	D/C		
	Rx Date	Drug	Sig	#	Refill	Doc/Loc/Source			
	03/14/17	<u>captopril 12.5 mg</u> <u>tablet</u> <u>replace</u>	TAKE 1 TABLET BY MOUTH TWICE A DAY Take with food		0	KING,KURTIS Partner System	EDIT	•	
	03/14/17	<u>warfarin 3 mg</u> <u>tablet</u> <u>replace</u>	3MG PO DAILY take with food INRs weekly		0	KING,KURTIS Partner System	EDIT	•	
	03/14/17	<u>quinapril 20 mg</u> <u>tablet</u> <u>replace</u>	20MG PO BID Take with food		0	KING,KURTIS Partner System	EDIT	۲	
	03/14/17	<u>aripiprazole 10</u> mg tablet <u>replace</u>	TAKE ONE TABLET BY MOUTH AT BEDTIME TAKE WITH FOOD PATIENT INSTRUCTIONS	90	2	KING,KURTIS Partner System	EDIT	•	

Figure 2: Medications displayed in eRx

When CareVue medications are automatically mapped in eRx, the SIG is sent in the manner it displays in CareVue with patient instructions included. This information appears in the **Additional Sig** section of eRx. The **Additional Sig** option is selected for the actual eRx dose and frequency fields by default. An eRx formatted in this manner can be sent successfully to a pharmacy.

All outpatient medications entered in CareVue incorporate the information required to transmit the eRx to a pharmacy, including dispense quantity and number of refills. Home medications and inpatient medications entered in CareVue must have the dispense quantity and the number of refills entered in eRx for successful transmission.



ARIPIPRAZOLE TAB			Change
Dosage Complex			
Dosage 10MG	Route	Schedule BEDTIME	PRN
5MG 10MG 10MG	10.0254 A ORAL 9.4137 10.0254 0.4137	annually BEDTIME BID BID	
15MG 20MG	9.4157 10.0254 14.174	BIDAC BIDPC BIDWM	_
Patient Instructions: Take with Food			Priority
Days Supply Qty (TAB) Refill 90 90 2	s Clinical Indication	Chronic Med	
Pick Up O Clinic O Mail O Window			 Discharge Medication
Notes to Pharmacist:			Å
▼ Take with Food			_
ARIPIPRAZOLE TAB 10MG TAKE 1 TABLET BY MOUTH AT BEL Quantity: 90 Refills: 2 Chronic Med Nonunion of fracture)TIME Take with Food NO Dispense as Written: NO	Clinical Indication:	ADR's Accept Order Cancel
		T	J

Figure 3: CareVue outpatient medication details



Figure 4: eRx medication order details



Because all inpatient and outpatient orders and home medications within CareVue are now automatically mapped, they will display in the eRx **Current Medications** list. CareVue only displays eRxs in the **Outpatient Medication** section when the user has attempted to transmit (fax or electronic) or print the Rx from within eRx. Enter directly into CareVue any outpatient medications that need to appear on the **Outpatient** tab but will not be sent to a pharmacy.

Drug Allergies

As described, drug allergies entered in CareVue are now automatically mapped to eRx medications. Drug allergies that are not recognized by eRx display in the **Imported allergy** section as before; no allergy check is performed.

This integration is only possible when true drug allergies are recognized by eRx. Though some food allergies can be manually mapped to eRx allergens, this is not recommended because food/drug allergy checking is not currently supported by eRx. It is clearer for providers if allergies not included in allergy checking are included only in the **Imported allergy** section.

If an allergy must be inactivated, do so in both CareVue and eRx. This issue will be addressed in a later release.

Single Ingredient Medication Allergies

COVERSHEET	PROBLEM LIST	VITALS 0	RDERS MEDS	LABS	VELLNESS IMMUNIZATI	ONS NOTE:	CONSULTS MD	FLOWSH	EETS DC SUMMARY SUPERBILL REPORTS		
	Active	Problem List				Adverse Re	actions		Alerts		
	No Active P	roblem List Fo	ound		Agent	Туре 🔺	Reaction	Status	No Crisis Alerts Found		
					ASPIRIN RELATED MED	Drug	DROWSINESS	Verified			
					CLONIDINE	Drug	HYPOTENSION	Verified			
					RASPBERRIES	Food	HYPOTENSION	Verified			
					8 e []]]]				f		
					Status C All © Active						

Figure 5: CareVue Allergies



Multi-Ingredient Medication Allergies

When a multi-ingredient medication allergy is entered in CareVue, OpenVista sends a list of the individual ingredients to eRx. For example, if Bactrim is entered as an allergy, sulfamethoxazole and trimethoprim are sent and display as allergies in the eRx application. Inactive ingredients contained in some medications (e.g., creams, etc.) may not map within eRx; these entries appear in the **Imported allergy** section of eRx.



COVERSHEET	PROBLEM LIST	VITALS	ORDERS	MEDS	LABS	WELLNESS	IMMUNIZATION	IS NOTES	CONSULTS	MDTP FLC	WSHEE	TS DC SUMMARY	SUPERBILL	REPORTS	
	Active	.ist			Adverse Reactions					Alerts					
No Active Problem List Found						Agent	Т	уре 🔺	Reaction	Status			No Crisis	Alerts Found	
						BACTRIN	I C)rug	CHEST PAIN	Verified	1				
						4									
				Status											
ļ						O All	Active								

Figure 7: Multi-ingredient medication allergy CareVue

	Drug Search	Drug Sets/Compounds	Doctor's List
	Include 'obsolete' dru	gs Ophthalmic only	☐ Insulin + Supplies ☐ Pediatric Dosing
Allergy / Intolerance			•
Allergy	Severity	memo	à
Sulfamethoxazole			
Trimethoprim		I	v

Figure 8: Multi-ingredient medication allergy displayed in eRx

Required action: Test in your PROD environment using your normal eRx workflow.

Suggested additional testing: Test in your PROD environment by transmitting eRxs to a pharmacy after receiving that pharmacy's approval to use a test patient. Do not use test physicians with a production eRx system. Test drug interaction and allergy checking in eRx using mapped medications and allergies.

Related artifact: 20537

Supporting an expanded eRx view

CareVue now supports an expanded view of the eRx application to decrease the amount of scrolling needed while navigating screens. This expansion was accomplished by creating a separate window for eRx outside of CareVue. The user must close eRx to navigate and view other information within the patient's chart.



Madaphara Systems (
Medsphere General Hospital Pharm: 0 Failed Rx: 0 Pend: 0 Prior Auth: Inc-0 Pend-0 New-0 Medsphere Systems C	Corporation												
Select Dr./Staff Compose Rx Med Entry Pt. Details Diagnoses Admi	n												
GENERAL HOSPITAL/Resources PHYSICIAN USER Compose Rx Designated Dr/Prescriber:	P. USER												
Sheet Messaging Documents DME/CPAP/O2/Supplies details hide													
PRE-PRODUCTION: THIS IS NOT A SECURE OR LIVE ENVIRONMENT. TEST PATIENTS ONLY. The use of REAL PATIENTS is a violation punishable under SECTION 7.2 of the HIPAA Privacy Rule.													
The use of REAL PATIENTS is a violation punishable under SECTION 7.2 of the HIPAA Privacy Rule. If you believe you are seeing this in error, please contact your EMR or software provider.													
Patient: IPB STUCK DOB: 10/15/1963 Gender: Male	Patient IPS STUCK DOB: 10/15/1963 Gender: Male												
Surescripts Benefit/Drug History: not available for this patient. PBM: SURESCRIPTS LLC													
Drug Search Drug Sets/Compounds Doctor's List													
Include 'obsolete' drugs Ophthalmic only Insulin + Supplies													
Allergy / Intolerance													
No Allergies have been entered.													
×													
Current Medications for IPB STUCK Takes No Meds													
Celest Dharmany (Assim is Dt. Details as suit assign via Tennewit Dava)													
Discontinued / Previous Cancelled Mid-Process Pharmacy Communication													
Prior Authonizations													
Tinted Rx are external: entered via MedEntry or imported, source shown.													
The Medical Letter Help Popup Help Orientation View CA PDMP													
Copyright 2004-2017, NewCrop, LLC. all rights reserved.	WCROP												
Privacy Statement Terms of Use Comments/Questions: customersupport@newcroprx.com All: NewCrop Co	imes are Central re 13.05.17.01.A												
Nex/cop and is suppliers use their commercially reasonable efforts to provide the most current and complete data available to them concerning prescription instores, drug interactions and formulanes, patien other factors, but by your use of this service you acknowledge that (1) the completeness and accuracy with which it is entered into connected elect by only since the submittion of the	t allergies and ronic databases I. transmission												
and display, technical disruption, power or service outages, or other interruptions in electronic communication, any or all of which may be beyond the control of NewCrop and its suppliers, and (3) some inform	nation may be												
	Close												

Figure 9: The expanded eRx view in CareVue

Required action: Test your normal eRx workflow in your PROD environment.

Related artifact: 20533

Linking CareVue eRx renewal to patient specific renewal queue in NewCrop

The enhanced renewal queue display groups renewal requests by patient. The number of renewals is listed next to the patient name/MRN. Select **Process** for a patient with renewal requests that contain a valid MRN, which opens the **Meds** tab in that patient's CareVue chart. eRx then opens automatically to the patient specific renewal window so the user can approve or deny the request(s). Users can process up to 10 requests at a time (see below).



0	OperWists CareVue - DEV620 - gawincache04 - LITELLA.EMILY										
Use	<u>P</u> atient <u>R</u> efresh	Data <u>T</u> ools	<u>H</u> elp <u>A</u> dd	l/EditeSig <u>C</u> lear C <u>I</u>	ear and Lock D <u>o</u> sing C	alculator <u>G</u> raphing <u>I</u> n	box				
PR	VACY NOTIFICAT	IONS PAT	TIENT CHART	RESOURCES	SHBOARD SURGER	RY TRACKER SURGERY	SCHEDULING	eRx RENEWALS			
25	Renewals for LITELL	A,EMILY	Refresh					Filter By Provider:	LITELLA, EMILY -		
	Patient	DOB	Patient ID	Location	Drug Information	Request Date Time	Provider	Requesting Entity			
\bigcirc	CHEN, REPRO (1818	18801) 5 Rer	newal(s) <u>Proc</u>	ess All					<u>م</u>		
	CHEN, REPRO	1/1/1980	181818801	GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/21/2016 1:10:25 PM	LITELLA, EMILY	Neurontin 100 mg capsule			
	CHEN, REPRO	1/1/1980	181818801	GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/21/2016 1:10:21 PM	LITELLA, EMILY	Neurontin 100 mg capsule			
	CHEN, REPRO	1/1/1980	181818801	GENERAL HOSPITAL	CA Pharmacy 18.6MU	12/21/2016 1:10:14 PM	LITELLA, EMILY	Neurontin 100 mg capsule			
	CHEN, REPRO	1/1/1980	181818801	GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/21/2016 1:09:53 PM	LITELLA, EMILY	Neurontin 100 mg capsule			
	CHEN, REPRO	1/1/1980	181818801	GENERAL HOSPITAL	Charmacy 10.6MU	12/21/2016 1:10:17 PM	LITELLA, EMILY	Neurontin 100 mg capsule			
٢	ZAVALA, NATALIA (201500194)	15 Renewal(s)	Process First 10							
	ZAVALA, NATALIA	1/3/2008	201500194	GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/21/2016 1:05:49 PM	LITELLA, EMILY	ampicillin 125 mg/5 mL oral suspension	E		
	ZAVALA, NATALIA	1/3/2008	201500194	GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/21/2016 1:03:45 PM	LITELLA, EMILY	Accupril 20 mg tablet			
	ZAVALA, NATALIA	1/3/2008	201500194	GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/21/2016 1:08:06 PM	LITELLA, EMILY	famotidine 10 mg tablet			
	ZAVALA, NATALIA	1/3/2008	201500194	GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/21/2016 1:05:36 PM	LITELLA, EMILY	ampicillin 125 mg/5 mL oral suspension			
	ZAVALA, NATALIA	1/3/2008	201500194	GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/21/2016 1:03:49 PM	LITELLA, EMILY	Accupril 20 mg tablet			
	ZAVALA, NATALIA	1/3/2008	201500194	GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/21/2016 1:08:16 PM	LITELLA, EMILY	famotidine 10 mg tablet			
	ZAVALA, NATALIA	1/3/2008	201500194	GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/21/2016 1:05:42 PM	LITELLA, EMILY	ampicillin 125 mg/5 mL oral suspension			
	ZAVALA, NATALIA	1/3/2008	201500194	GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/21/2016 1:03:33 PM	LITELLA, EMILY	Accupril 20 mg tablet			
	ZAVALA, NATALIA	1/3/2008	201500194	GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/21/2016 1:03:09 PM	LITELLA, EMILY	Accupril 20 mg tablet			
	ZAVALA, NATALIA	1/3/2008	201500194	GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/21/2016 1:05:16 PM	LITELLA, EMILY	ampicillin 125 mg/5 mL oral suspension			
	ZAVALA, NATALIA	1/3/2008	201500194	GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/21/2016 1:05:53 PM	LITELLA, EMILY	ampicillin 125 mg/5 mL oral suspension			
	ZAVALA, NATALIA	1/3/2008	201500194	GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/21/2016 1:08:11 PM	LITELLA, EMILY	famotidine 10 mg tablet			
	ZAVALA, NATALIA	1/3/2008	201500194	GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/21/2016 1:08:01 PM	LITELLA, EMILY	famotidine 10 mg tablet			
LI	TELLA, EMILY VIS	TA.GOLD.ME	DSPHERE.CO	M GENERAL HOSE	ITAL						

Figure 10: CareVue renewal queue

Select the **Process All** button to access the patient chart; log directly into eRx's patient specific renewal queue to see and approve or deny the renewals for that patient. The renewal in process displays in yellow in the header in eRx. Once one renewal is accepted or denied, the next renewal in the list displays. A select button to the left of each renewal enables the user to complete all outstanding renewals.

-	OpenVista CareYue - PMPHARM - qalinuxgtm01 - KING,KURTIS											
U:	ser Patient Refresh Data Tools Help Add/EditeSig Clear Clear and Lock Dosing Calculator Graphing Inbox											
F	PRIVACY NOTHERCATIONS PATTENT CHART RESOURCES ED DASHBOARD SURGERY TRACKER SURGERY SCHEDULING erx renewals											
1	14 Renewals for <all providers=""> Refresh Last Refreshed: 3/14/2017 7:48:34 AM Filter By Provider: <all providers=""></all></all>											
	Patie	ent 🔺	DOB	MRN	Location	Drug Information	Request Date/Time	Provider	Requesting Entity			
1	JON	AS, LONGORDERTEXT (1000000089) :	2 Renewal(s)	Process All	/						
	JON	AS, LONGORDERTEXT	1/23/1968	100000089	GENERAL HOSPITAL	Cymbalta 60 mg capsule,delayed release	3/10/2017 1:06:31 PM	NICKLAS, FLOYD	CA Pharmacy 10.6MU			
	JON	AS, LONGORDERTEXT	1/23/1968	100000089	GENERAL HOSPITAL	Januvia 25 mg tablet	3/10/2017 1:06:38 PM	NICKLAS, FLOYD	CA Pharmacy 10.6MU			
-	JON	AS, MEDSAA (10000001	19) 3 Renewa	I(s) <u>Process AI</u>								
	JON	IAS, MEDSAA	1/1/1987	100000119	GENERAL HOSPITAL	Crestor 5 mg tablet	3/10/2017 1:06:04 PM	ANDERSON, JANICE	CA Pharmacy 10.6MU			
	JON	IAS, MEDSAA	1/1/1987	100000119	GENERAL HOSPITAL	Truvada 167 mg-250 mg tablet	3/10/2017 1:06:12 PM	ANDERSON, JANICE	CA Pharmacy 10.6MU			
									CA Pharmacy 10.6MU			
1	JON	AS, MEDSBB (10000001	20) 2 Renewal	I(s) Process Al	1							
	ION	AS MEDGER	2/2/1082	100000120	GENERAL HOSDITAL	Viread 250 mg tablet	2/10/2017 1-06-24 DM	ANDERSON JANICE	CA Pharmacy 10 6MIL			

Figure 11: Selecting Process All in the renewal queue



Batch Renewal List			
Crestor 5 mg tablet			
Truvada 167 mg-250 mg tablet	4		
Celebrex 50 mg capsule			

Drug and Sig must match pharmacy request. No change allowed. Use 'Deny/Rewrite' to modify or replace.

Your Respo	onse:									
Rx Date Stage	Drug	Sig			i	#	Doc/Loc/	Source		
03/14/17	Crestor 5 mg tablet	1 tablet by mouth	n daily			30		K. KING		۲
Pharmacy F	Request:	D	ate Writt	en: ()2/17/17			Las	st Filled: (2/17/1
Request	Drug	Sig		#	Refill	Pre	escriber			
02/17/17	Crestor 5 mg tablet	1 tablet by mouth daily		30	0	JA	NICE AND	DERSON	1	۹
Deny/ReV To Deny, firs Message to	Vrite st select reason or enter in M pharmacist:	essage to pharmacist		eny]	Total num refills appr 1 + 0 Accer	ber of roved: ot
Doctor: JANI Pharmacy: C	CE ANDERSON GENERAL XA Pharmacy 10.6MU 65432	HOSPITAL 1903 Wrigh Cabernet Turn Sonoma	t Place (CA, 954	Carlsl 76 T	bad, CA elephon	9200 e: 70)8 72107071			

Figure 12: eRx patient specific renewal queue

Batch Renewal List		
Select Truvada 167 mg-25	50 mg tablet	
Select Celebrex 50 mg ca	apsule	
Renewal request, belo	w, was accepted: total number o	f refills approved: 1 + 0
	· ·	
Doctor: JANICE ANDERSON GENERAL	HOSPITAL 1903 Wright Place Carlsbad,	CA 92008
450C7000700020011EE7MC AD1M1 20170	240 0044N201702474E4905EE2892C020	12 10
11T20:29:17.4847891ZTESTREF4REFREG	1.1957df145838346c8a4764a92e9d456f7	15-10-
RxReferenceNumber:	PrescriberOrderNumber:	
TESTREF4REFREQ1.1	957df145838346c8a4764a92e9d456f7	
Pharmacy: CA Pharmacy 10.6MU	65432 Cabernet Turn	Telephone: 7075157071
NCPDP:9911557	Sonoma, CA 95476	Fax: 7075157072
Doctor: JANICE ANDERSON	GENERAL HOSPITAL	
NPI: 3574521258	1903 Wright PlaceSuite 120	Telephone: 7606923799
State License: 3634353	Carlsbad, CA 92008	Fax: 7608333701
Patient: MEDSAA JONAS	1 jerdy In /	
DOB: 1987-01-01 Gender: Male	Dana Point, CA 92629	
Med Prescribed: Crestor 5 mg		
tablet	Quantity:/30 Tablet	
NDC 00310075590	Substitution Allowed	Written:2017-02-17
Form: Not specified	Pharmacy requested refills: 0	Last fill:
Strength: Unit: Not specified	Days supply:	
Reference: Not specified SBD 859426		
SIG: 1 tablet by mouth daily		

Pharmacist Notes: MFR COPAY: BIN:004682, PCN:CN, GRP:EC57002165, ID:413640641642. PT PAYS \$3 , MAX \$65 PER

Figure 13: eRx patient specific batch renewal list



If a valid MRN is not sent with the renewal request, the user must first look up the patient in CareVue and then access the eRx via the **Meds** tab, as was the case with previous functionality. Enter the eRx application, select the correct patient and navigate to the NewCrop renewal page to complete the renewal approval/denial process.

O	penVista CareVue	- DEV620 -	qawincache	04 - KING,KURTIS	Course in			0.2	And Comments	
Use	r <u>P</u> atient <u>R</u> efresh	Data <u>T</u> oo	ls <u>H</u> elp <u>A</u>	dd/Edit eSig <u>C</u> lear (Clear and Lock Dosing	Calculator <u>G</u> raphing]	nbox			
PR	VACY NOTIFICAT	FIONS PA	ATIENT CHAR	T RESOURCES EE	DASHBOARD SURG	ERY TRACKER SURGER	Y SCHEDULING	eRx RENEWALS		
23 F	Renewals for KING,		Refresh					Filter By F	Provider: KING,KURTIS 🔻	
	Patient	DOB	MRN	Location	Drug Information	Request Date/Time	Provider	Requesting Entity		
\odot	CHEN, REPRO (1818	818801) 1 R	enewal(s) <u>Pro</u>	ocess		l.	1		1	
_	CHEN, REPRO	1/1/1980	181818801	GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/21/2016 3:00:43 PM	KING, KURTIS	amitriptyline 10 mg tablet		
\odot	CHEN, REPRO-FIX (181818802) I	3 Renewal(s)	Process All		1	1		1	
	CHEN, REPRO-FIX	1/1/1980	181818802	GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/21/2016 3:00:33 PM	KING, KURTIS	ibuprofen 600 mg tablet		
	CHEN, REPRO-FIX	1/1/1980	181818802	GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/21/2016 3:00:38 PM	KING, KURTIS	famotidine 10 mg tablet		
	CHEN, REPRO-FIX	1/1/1980	181818802	GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/21/2016 3:00:49 PM	KING, KURTIS	amitriptyline 10 mg tablet		
\diamond	No Patient MRN pro	ovided (Loo	k up patient b	y name and DOB) 19 F	lenewal(s)	1			1	
	CHEN, REPRO	1/1/1980		GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/20/2016 2:25:32 PM	KING, KURTIS	Aleve 220 mg tablet		=
	CHEN, REPRO	1/1/1980		GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/20/2016 2:25:38 PM	KING, KURTIS	Aleve 220 mg tablet		
	CHEN, REPRO	1/1/1980		GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/20/2016 2:25:42 PM	KING,KURTIS	Aleve 220 mg tablet		
	CHEN, REPRO	1/1/1980		GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/20/2016 2:25:47 PM	KING,KURTIS	Aleve 220 mg tablet		
	CHEN, REPRO	1/1/1980		GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/20/2016 2:25:54 PM	KING,KURTIS	Dramamine 25 mg chewable tablet		
	CHEN, REPRO	1/1/1980		GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/20/2016 2:26:00 PM	KING,KURTIS	Dramamine 25 mg chewable tablet		
	CHEN, REPRO	1/1/1980		GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/20/2016 2:26:19 PM	KING,KURTIS	Dramamine 25 mg chewable tablet		
	CHEN, REPRO	1/1/1980		GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/20/2016 2:26:23 PM	KING, KURTIS	Dramamine 25 mg chewable tablet		
	CHEN, REPRO	1/1/1980		GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/20/2016 2:26:27 PM	KING, KURTIS	Dramamine 25 mg chewable tablet		
	CHEN, REPRO	1/1/1980		GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/20/2016 2:26:32 PM	KING,KURTIS	Lipitor 10 mg tablet		
	CHEN, REPRO	1/1/1980		GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/20/2016 2:26:38 PM	KING,KURTIS	Lipitor 10 mg tablet		
	CHEN, REPRO	1/1/1980		GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/20/2016 2:26:43 PM	KING,KURTIS	Lipitor 10 mg tablet		
	CHEN, REPRO	1/1/1980		GENERAL HOSPITAL	CA Pharmacy 10.6MU	12/20/2016 2:26:49 PM	KING,KURTIS	Lipitor 10 mg tablet		-
КІ	NG, KURTIS VIST	A.GOLD.ME	DSPHERE.COI	M GENERAL HOSP	ITAL 18-Jan-2017 10	:00				

Figure 14: Renewals with no MRNs

Users can also select the new **eRx Renewal** button, located to the right of the current eRx button on the **Meds** tab of the patient chart. The **eRx Renewal** button opens eRx and takes the user to that patient's specific **eRx Renewal Request** page. The renewals displayed in eRx are limited to those assigned to the provider who is logged into CareVue. The original eRx button is still available and directs the user to the **Compose Rx** tab in eRx, as was the case with previous functionality.



CUPENVISTA LaTEVUE - UA620 - Galinuxgumuz.meosphere.com - USER	PHISILIAN Doding Calculator - Graphing Toboy	_ [_] A
PRIVACY NOTIFICATIONS PATIENT CHART RESOURCES ED DAS	HBOARD SURGERY TRACKER SURGERY SCHEDULING @Rx RENEWALS	
STUCK,IPB 1000000208 15-Oct-1963 (53) M	MS 208-1 07-Oct-2016 09:00 1 paptent 2000000321 eRx Renew	al Button
No Photo Available		Medications
COVERSHEET PROBLEM LIST VITALS ORDERS MEDS LABS	WELLNESS IMMUNIZATIONS NOTES CONSULTS MDTP FROWSHEETS DC SUMMARY SUPERBILL	REPORTS
He View Action	New Check Check Of Ed () Inpatient Medications	
Action Chronic Outpatient Med	Status Process Issued Last Filled Expires	Refills Remaining Rx# Provider
Action	Home Meds	Status Start Date
Action	Inpatient Medications	Status Stop Date
USER,PHYSICIAN VISTA.GOLD.MEDSPHERE.COM GENERAL HOSPI	AL 24-Jan-2017 13:09	Medsphere

Figure 15: eRx renewal button

If there are no renewal requests for a patient and this button is selected, a warning displays for the user.

Print New	Check	eRx 🤇		0	Inp	atient Medic
nt Medications			Status	Process	Issued	Last Filled
E	rror	are no renewals for th	s patient/provid	ler	••••••••	
	Innatient M	OK			•••••••	

Figure 16: No renewal warning display

Required action: Test using your normal eRx Renewal Request workflow in your Prod environment.



Creating a physician notification on receipt of an eRx renewal request

When a renewal request is sent to a provider, currently that request populates the eRx **Renewals** tab in CareVue, requiring periodic physician checks. With this release (2016.2.1), the provider now also receives an eRx **Renewal Request** notification with the indication that it was sent by **Community**, **Pharmacy**. This notification is automatic for eRx renewals and does not require an XPAR to be set up.

When the notification is selected, all patient renewal information is gathered; eRx takes the physician to the patient chart and opens directly to the patient specific renewal queue. Once the renewal request is addressed in eRx, the notification clears and the request no longer appears on the eRx **Renewals** tab.

If a notification is forwarded from another provider, the forwarding provider's name appears in the notification text as **eRx Renewal Request** for (providers name). For notifications, the renewal request search is limited to notifications assigned to that provider for that patient.

Patient Refr	e - Dev esh Data	Tools Help	Add/E	dit eSig	Clear Clear and Lock Dosing Calculator Graphing	Inbox		
ACY NOTIFI	CATION	PATIENT CH	IART	RESOU	CES ED DASHBOARD SURGERY TRACKER SURG	ERY SCHEDULING eRx RENEWAL	s	
	1	Patient		Locat	Notification	Delivered	Sent/Forwarded By	
	-	CHEN, REPRO	(1		eRx Renewal Request for LITELLA, EMILY	20-Jan-2017 12:40	COMMUNITY, PHARMACY	
	-	CHEIN, REPRO	(I		erx Renewal Request for KING, KOR IIS	20-Jan-2017 15:02	COMMUNITY,PHARMACY	
								Process
lend Priority								Sel
Low								(i) Info
Medium								Fo
High								
Infa Oak								

Figure 17: eRx Notification

Required action: In your PROD environment, test in your normal notifications workflow when receiving eRx renewals.

Related artifact: 19943

Discontinuing an eRx with CareVue

To facilitate the medication reconciliation process, users can now discontinue an eRx directly through CareVue without having to have access eRx.



Active) Only	✓ Chronic Only	180 days	🎒 Print	Queue Print	Frocess	+ . New	Check	eRx	\bigcirc	E	0	Outpatient M	ledications	·	
Action	Chron	ic			Outpatient Medica	tions			Status	Process	Issued	Last Filled	Expires	Refills Remaining	R×#	Provider
		ASPIRIN 650N Sig: 1 tablet	/IG TAB,EC for 3 by mouth daily	30 days /					Active		03-Feb-2017	03-Feb-2017	04-Feb-2018	0	NC557	USER, PHYSIC
		QUINAPRIL H Sig: 1 tablet	ICL 20MG TAB by mouth three	for 30 days e times a day			Details		Active		03-Feb-2017	03-Feb-2017	04-Feb-2018	0	NC558	USER, PHYSIC
							Administration Hi	istory								
		•					New Medication.	📼				•				
Acti	on						<i>c</i> 1	L							Status	Sta
							Coord to Now Ord	dor								
							Discontinue / Car	ncel								
							Hold									
							Release Hold									
Acti	on						Process								Status	Sto
							Refill									
							Renew									
							Transfer to Inpa	tient								
							Chronic Medicati	on 🕨								

Figure 18: Discontinuation of an eRx through CareVue

Required action: Test in your PROD environment using your normal workflow when discontinuing outpatient medications, including eRx medications.

Related artifact: 20198

Accessing eRx for a patient with no visit prompts the encounter dialog

Previously, the **eRx** button would not function when no visit was selected for a patient; the user was not given any explanation or warning. With this release, if a visit is not selected when users click the **eRx** button, the CareVue encounter dialog appears, enabling the user to select a visit.

🥏 Open¥ista Care¥ue - QA620 - qalinuxgtm02.medsphere.com - USEI	PHYSICIAN	
User Patient Refresh Data Tools Help Add/Edit eSig Clear Clear and Loc	Dosing Calculator Graphing Inbox	
PRIVACY NOTIFICATIONS PATIENT CHART RESOURCES ED DA	HBOARD SURGERY TRACKER SURGERY SCHEDULING eRX RENEWALS	
ALBERTS,SURGTESTONE 314159265 01-Jan-1980 (37) M	Visit not selected Primary Care Team Unassign	ned
No Photo Galable	CIC CIC CIC POC Lab Entry	* Problem Lis Advs Reart Medications
COVERSHEET PROBLEM LIST VITALS ORDERS MEDS LABS	WELLNESS Encounter Settings for Current Activities	ERBILL REPORTS
File View Action	<select a="" below.="" location=""></select>	
E 🖌 📰 🎯 Active Only Chronic Only 180 days Print Queue Print	Incounter Location Process: Appointments / Visits Hospital Admissions New Visit	nt Medications 🔹
Action Chronic Outpatient Me	ations Visit Location Date of Visit	pires Refills Rx# Provider
Action	CARDIOLOGY CARDIOLOGY (NUC MED) EMEGENCY ROM Fast Track GENERAL RADIOLOGY IMO CLINIC Encounter Providers All Providers USER, PHYSICIAN USER, PHYSICIAN USER, PHYSICIAN USER, PHYSICIAN USER, PHYSICIAN USER, PHYSICIAN USER, PHYSICIAN USER, PHYSICIAN USER, PHYSICIAN USER, PHYSICIAN CAncel	Status Start Date
Action	Inpatient Medications	Status Stop Date
USER,PHYSICIAN VISTA.GOLD.MEDSPHERE.COM GENERAL HOSP	AL 24-Jan-2017 13:46	S Medsphere

Figure 19: Encounter Dialog

Required action: Test in your PROD environment by accessing eRx for a patient where the visit encounter has not been selected.



Displaying more Pharmacy information in CareVue

When an electronic prescription (eRx) is electronically transmitted or faxed via CareVue's **eRx** functionality, the receiving pharmacy's name, address and phone number now displays in the order details. This information also displays on both the **Brief** or **Detailed Outpatient Medications** report generated by selecting the **Outpatient Medications** header and choosing **Print**. This enhancement gives nurse and patient access to the eRx receiving pharmacy information.

CAPTOPRIL TAB	
1 tablet by mouth twice	a day
Quantity: 60 Refills: 0	
Activity:	
11/11/2016 07:16 New 0	rder entered by KING,KURTIS (PHYSICIAN)
Order Text:	CAPTOPRIL TAB
	1 tablet by mouth twice a day
	Quantity: 60 Refills: 0
Nature of Order:	ELECTRONICALLY ENTERED
Elec Signature:	KING,KURTIS (PHYSICIAN) on 11/11/2016 07:16
Sent to:	CA Pharmacy 10.6MU CAMU Phone: 7075157071 65432 Cabernet Turn Sonoma

Figure 20: CareVue eRx order details

STUCK,IPC (1000000211)	Selected Outpatient Medications for Last	t 180 Day(s)		05-May-198
Adverse Reactions: No Allergy Assessment				
Adverse reactions. No Allergy Assessment				
Medication		Prescriber	Status	Refills Left
Medication CAPTOPRIL 100MG TAB for 30 days		Prescriber KING,KURTIS	Status	Refills Left

Figure 21: CareVue Outpatient Medications report

Required action: Test in your normal workflow when transmitting or faxing prescriptions using CareVue eRx functionality

Related artifact: 20098

Maintaining Outpatient Medications when exiting eRx

Pending/Unreleased Outpatient Medications are no longer canceled when entering or exiting eRx.

Required action: Test in your normal eRx workflow.



Release 2016.2.1 eRx Fixes

eRx orders not auto-discontinued on discharge

eRx orders no longer auto-discontinue when a patient is discharged.

Required action: Test in your normal e-prescribing and patient discharge workflows.

Related artifact: 19993

Order details accurate for eRx entered by nurse or mid-level provider

eRx orders entered by a nurse or mid-level provider class user now show accurate user information in the order details.

Required action: Test in your normal eRx workflows for nurse and mid-level provider classes. Verify that correct users show for **New Order entered by**, **Elec Signature**, **Ordered by**, and the new field **Supervising Physician**.

Related artifact: 20196

Order details accurate for eRx entered by nurse

eRx orders entered by a nurse user in the **eRx Med Entry** tab now show accurate user information in the order details.

Required action: Test in your normal eRx workflows for nurse and physician users. Enter meds in the **Med Entry** tab as a nurse, but do not move to **Current Meds** or transmit them--they should remain in **Pending Rx** section. Launch eRx as a physician and transmit the prescriptions. Verify that the correct users show in the order details for **New Order entered by**, **Elec Signature**, and **Ordered by**.

Related artifact: 20277

Admit, Discharge, Transfer (MAS) orders don't display in red for eRx orders in red

eRx orders that correctly display in red text on the **Meds** tab no longer cause Medical Administration Service (MAS) orders with a patient data object for outpatient meds to also show in red, making it impossible to discontinue the order.

Required action: Test in your normal eRx and MAS order workflows.

Suggested additional testing: Order an eRx prescription for a medication that cannot be matched to a drug in OpenVista. Verify that it shows in red in the **Meds** tab. Create an MAS order that includes an outpatient medication patient data object. Verify that it does not show in red and can be discontinued.