

### Element 3E: Use Electronic Prescribing

PCC EHR has a complete suite of tools for managing medications and prescriptions. This suite of tools is called PCC eRx and works through a portal interface using the features and engine supplied by DrFirst Rcopia. PCC eRx is a specially-configured and managed version of the ePrescribing tools offered by DrFirst Rcopia.

When an EHR user opens a patient's Prescription page, they connect to PCC eRx. The following screenshot shows how to access PCC eRx from a patient's chart:



PCC EHR exchanges patient name, date of birth, relationship to guarantor and custodian, address, phone number, and the date of the patient's last visit. The syncing between PCC EHR data and the online prescription system occurs every three minutes. As PCC EHR interacts with ePrescribing features, it also shares Problem List and Allergy information. Note that all information is shared over a secure connection and is subject to HIPAA agreements between partner vendors.

When an EHR user creates new prescriptions, modifies a patient's medication history, or adds new drug allergies in PCC eRx, that information is sent back to PCC EHR. The syncing occurs

when the patient's chart is closed and can be reviewed on the Medical Summary screen.

While prescribing medications, a PCC eRx user may see several different types of alerts. The provider is always responsible for judging the safety and effectiveness of any medication, but PCC eRx attempts to catch common problems and display them for the provider's review before proceeding.

#### Factor 4: Performs patient-specific checks for drug-drug and drug-allergy interactions

When prescribing, PCC eRx will always check against the active medication list for the patient for drug-drug or drug-allergy interactions. These alerts will appear after you have searched for the drug and have chosen the strength. The alert message will appear in red as shown in the following screenshot where a patient is being prescribed a drug which is in the same therapeutic category as a drug that has already been prescribed for the patient:

The screenshot displays the PCC EHR interface for patient Dino Flintstone. The main window shows the 'Prescriptions' section with patient details: Patient: Dino Flintstone, DOB: 08/01/2009, Sex: Male, Height: , Weight: 15.88 kg BSA: . A red alert box titled 'Confirm Prescription Despite Warning' is overlaid on the screen. The alert text reads: 'The medication(s) you have prescribed may not be appropriate given this patient's information. **DUPLICATE THERAPY ALERT!** Dino Flintstone (08/01/2009) is being given **amoxicillin**, which is in the same therapeutic category (Penicillins) as the drug you have just prescribed, **penicillin v potassium**. You may provide a justification for prescribing this medication notwithstanding the warning.' Below the alert is a text input field. A reminder states: 'Reminder: The professional duty in providing care to the patient lies solely with the healthcare professional providing such service, and the PCC eRx prescription tool is in no way intended to replace or substitute for professional judgment.' At the bottom of the dialog are 'Prescribe Anyway' and 'Cancel' buttons. The background interface includes a sidebar with 'Medical Summary', 'Demographics', 'History', and 'Prescriptions' options, and a top navigation bar with 'File', 'Edit', 'Reports', 'Tools', and 'Help'.

Similarly, if a patient is prescribed a drug and it is documented that the patient has an allergy to the drug, an alert message will appear in red as shown in the following screenshot:

PCC EHR demo

PCC EHR

File Edit Reports Tools Help

PCC EHR

Dino Flintstone PCC# 3335

Medical Summary

Demographics

History

Prescriptions

Prescriptions

Dino Flintstone 4 yrs, 3 mos 8/01/09 M

Patient: Dino Flintstone DOB: 08/01/2009 Sex: Male Height: Weight: 15.88 kg BSA:

Phone: (802) 555-1234 Last Office 10/18/2013 Visit Today [Show Patient Visits]

Pharmacy: Accredo (MO) (E) (1640 Century City Parkway Memphis TN) [View]

Formulary: Not entered Patient Consent For MedHx  Yes  No [Show Activity]

**Confirm Prescription Despite Warning**

The medication(s) you have prescribed may not be appropriate given this patient's information.

**ALLERGY ALERT!** Dino Flintstone (08/01/2009) is listed as having an allergic reaction (**difficulty breathing**) to **amoxicillin**, which is identical to the drug you have just prescribed, **amoxicillin**. Proceed with extreme caution.

You may provide a justification for prescribing this medication notwithstanding the warning.

Reminder: The professional duty in providing care to the patient lies solely with the healthcare professional providing such service, and the PCC eRx prescription tool is in no way intended to replace or substitute for professional judgment.

Prescribe Anyway Cancel

Close Save + Exit

Logged In: fred

start PCC EHR 02:35PM

Furthermore, you will see warning messages on the medication listing under “pending medications”:

PCC EHR demo

File Edit Reports Tools Help

PCC EHR FIND

Pebbles Flintstone PCC# 3336

Medical Summary

Demographics

History

Prescriptions

Create Visit

### Prescriptions

Pebbles Flintstone 10 yrs, 2 mos 9/23/03 F

Actions: [\[Renew\]](#) [\[Prescribe\]](#) [\[Stop\]](#)

Pending prescriptions for this patient:  
[\[Select All\]](#) [\[Select None\]](#) [\[Delete Selected\]](#)

Serial#	Dr/Staff	Name	Date	Status	Drug	Sig	Qty	Rfl(s)	Action
<input checked="" type="checkbox"/> DEV-1277916	MW	Pebbles Flintstone	11/07/2013	pending	amoxicillin 500 mg capsule	3/4 capsule twice a day	20	none	<a href="#">Modify</a> <a href="#">Delete</a> <a href="#">Favor</a>
<input checked="" type="checkbox"/> DEV-1284907	EC	Pebbles Flintstone	11/19/2013	pending WARNING	amoxicillin 400 mg/5 mL Suspension for Reconstitution	Take 10 ml by mouth twice a day -- recheck 3 days after finishing	200	none	<a href="#">Modify</a> <a href="#">Delete</a> <a href="#">Favor</a>
<input checked="" type="checkbox"/> DEV-1284914	EC	Pebbles Flintstone	11/19/2013	pending WARNING	Polytrim (trimethoprim-polymyxin b) 0.1-10,000%-unit/mL Drops [Ophthalmic]	Instill 1 drop in both eyes four times a day	10	none	<a href="#">Modify</a> <a href="#">Delete</a> <a href="#">Favor</a>
<input type="checkbox"/> DEV-1284920	EC	Pebbles Flintstone	11/19/2013	pending...	Concerta	Take 1	31	none	<a href="#">Modify</a>

Close Save + Exit

Logged In: pcc 03:45PM

The user can click on the warning to see more details.