

ePrescribe Use Cases

NEW ADMITS

Legend:

| | | | |
|----|--------------------------------------|----|--|
| 1 | Admitting Physician | 12 | Electronic Messaging-Pharmacist-Prescriber |
| 2 | Resident | 13 | Electronic Messaging-Prescriber-Pharmacist |
| 3 | Administer Medication | 14 | Pharmacist |
| 4 | Dispense Medication | 15 | LTPAC Staff |
| 5 | Electronic Messaging | 16 | Hospital |
| 6 | Non-Electronic (Pharmacist-Facility) | 17 | LTC Facility |
| 7 | EMR – Prescribers prescribing clinic | 18 | Electronic Messaging – Clarification of orders |
| 8 | Prescriber (MD, APN) | 19 | Prescriber enters orders into EMR/Prescribing System |
| 9 | EMR – Facility Prescribing System | 20 | Enters prescriptions Evaluations and updates |
| 10 | Request Medications by LTPAC Staff | 21 | Prescriber hands list of med orders to nursing staff |
| 11 | Pharmacist Order Entry System | | |

First Use Case - LTC Patient to be transferred from Hospital; Prescriber manages orders directly from Prescribers CPOE system – New Orders

**Numbers reflect Process Flows
(see above)**

- 1) Prescribers CPOE system sends orders electronically to Pharmacist same time as the Facility eMAR System
a) Enters new prescriptions
Process Flow (7 - 9 and 9 - 11)
- 2) Pharmacist fills Rx as received from Prescriber's CPOE system
a) Exceptions or issues on order from Prescriber Pharmacist will consult Prescriber
Process Flow (11 - 14)
b) Pharmacist needs clarification on medication order
Process Flow (14 – 11)
 - Electronic
 - verbal
- c) Prescriber will clarify order for pharmacist
Process Flow (13 – 12)
- 3) Pharmacist processes orders into the Pharmacy system
Process Flow (11)
- 4) Pharmacist fills orders, dispense message sent back to Facility system electronically
Process Flow (14 – 11 – 5 -9)
- 5) Nurse reviews the new orders on the eMAR sent from Pharmacy system
Process Flow (15 – 9)
- 6) Medication(s) shipped to Facility
Process Flow (4)
- 7) Medication(s) displayed on Facility eMAR System on the patients profile
Process Flow (9)
- 8) Staff receives medications and reconciles medication orders to Facility eMAR system
Process Flow (15 – 9)
- 9) Administration of medications to by nurse to patients
Process Flow (15 - 3 – 2)

Second Use Case - LTC Patient transferred from Hospital to LTC Facility

New Orders

Numbers reflect Process Flows (see above)

- 1) Hospital evaluates patient and recommends patient goes to LTC Process Flow (16 – 2)
 - o Agent of Provider evaluates patient in hospital and accepts patient or admission
 - o Hospital discharges patient to facility and creates discharge medication list
 - Discharge medication list is paper document
 - Discharge medication list is a CCD (this is what is recommended)
- 2) Patient is admitted to Facility, copy of patients hospital medication(s) sent along with patient to facility Process Flow (2 – 17)
- 3) LTC Nurse communicates with Prescriber on list of medications for patient Process Flow (15 – 10 – 8)
- 4) LTC Nurse enters orders into EMR and sends orders electronically to Pharmacist though the facility eMAR system Process Flow (9 – 5 – 11)
- 5) Pharmacist receives new order messages electronically into the Pharmacy system Process Flow (11)
- 6) Pharmacist fills Rx as received from Prescriber's CPOE system Process Flow (11 - 14)
 - a) Exceptions or issues on order from Prescriber
Pharmacist will consult Prescriber Process Flow (14 – 11)
 - b) Pharmacist needs clarification on medication order
 - Electronic
 - verbal
 - c) Prescriber will clarify order for pharmacist Process Flow (13 – 12)
- 7) Communication from Prescriber back to Pharmacist clarifying medication orders, refills, narcotics Process Flow (13 – 12)
- 8) Pharmacist processes orders into the Pharmacist system Process Flow (14 – 11)
- 9) Pharmacist fills orders, dispense message sent back to Facility eMAR system electronically Process Flow (11 – 5 – 9)
- 10) Medication(s) shipped to Facility Process Flow (4)
- 11) Shows on Facility System Process Flow (9)
- 12) Staff receives medications, reconciles medications ordered Facility eMAR system Process Flow (15 – 9)
- 13) Nurse administers medications to patient Process Flow (15 - 3 – 2)

Third Use Case - LTC Patient to be transferred from Non-Hospital; Prescriber manages orders directly to the LTC Facility eMAR system

New Orders

Numbers reflect Process Flows (see above)

- 1) Admitting Physician evaluates patient Process Flow (8 - 1 - 2)
- 2) Patient is admitted into the Facility Process Flow (2 - 17)
- 3) Prescribers enters orders via facility EMAR system Process Flow (19 - 9)
- 4) eMAR system sends orders electronically to Pharmacist Process Flow (9 - 5 - 11)
- 5) Pharmacist receives new order messages electronically into the Pharmacy system Process Flow (11)
- 6) Communication from Pharmacist to Prescriber for clarification of medication orders, Refills, narcotics
 - a) Exceptions or issues on order from Prescriber
Pharmacist will consult Prescriber
 - b) Pharmacist needs clarification on medication order
 - Electronic
 - verbal
 - c) Prescriber will clarify order for pharmacist Process Flow (13 - 12)
 - d) Communication from Prescriber back to Pharmacist clarifying medication orders, refills, narcotics Process Flow (13 - 12)
 - e) Pharmacist consults with Prescriber of the warning for drug interaction recommends Alternate substitution Process Flow (12 - 13)
 - f) Prescriber sends approval or disapproval of alternate medication Process Flow (13 - 12)
 - g) Prescriber approves or disapproves of substitution recommended by pharmacist Process Flow (13 - 12)
 - h) Prescriber approves substitution, order is discontinued, new script written Process Flow (13 - 12)
- 7) Pharmacist processes orders into the Pharmacist system Process Flow (14 - 11)
- 8) Pharmacist fills orders, dispense message is sent back to Facility eMAR system Process Flow (14 - 11 - 5 - 9)
- 9) Medication(s) shipped to Facility Process Flow (4)
- 10) Nurse reviews new orders on the eMAR entered by Prescriber on eMAR system Process Flow (15 - 9)
- 11) Facility staff receives medications, reconciles medications ordered through the eMAR system Process Flow (15 - 9)
- 12) Nurse administers medications to patient Process Flow (15 - 3 - 2)

RE-ORDERS

Fourth Use Case - Prescriber Evaluates Patient in Facility- Monthly Medication Review entered into Prescribers CPOE System.

New Orders
above)

Numbers reflect Process Flows (see

- 1) Prescriber evaluates Patient on their monthly review, updates med order list gives to nursing staff
Process Flow (8 – 21 -15)
- 2) Prescriber enters evaluations, updates, refills and/or new orders into the Prescribers CPOE System
Process Flow (8 – 20 – 7)
 - a) Enters Prescriptions, evaluations and updates, including Narcotic Orders
 - b) Physician will confirm all orders transmitted with State specified time.
- 3) Electronic message(s) sent to Facility EMR/prescribing system for nurse to review and dispense
Process Flow (7 – 9)
- 4) Nurse reviews medication(s) entered by the prescriber
Process Flow (15 – 9)
 - a) Review/annotate prescription
- 5) Nurse reviews order(s) and electronically submits all order to Pharmacist for processing from eMAR System.
Process Flow (9 – 5 – 11 - 14)
- 6) Pharmacist processes orders into the Pharmacist system – Narcotic order(s) require a written, signed copy of each order before processing. Pharmacist sends request to Prescriber
Process Flow (14 – 12 – 13)
- 7) Pharmacist receives new order messages electronically into the Pharmacy system
Process Flow (11)
- 8) Communication from Pharmacist to Prescriber for clarification of medication orders, Refills, narcotics
 - a) Exceptions or issues on order from Prescriber Pharmacist will advise Prescriber
Process Flow (14 – 11)
 - b) Pharmacist advises of warning for drug interaction recommends Alternate substitution
Process Flow (12 – 13)
 - c) Request written, signed narcotic order
Process Flow (12 – 13)
 - d) Prescriber sends approval or disapproval of alternate medication
Process Flow (13 – 12)
 - e) Prescriber approves or disapproves of substitution recommended by pharmacist
Process Flow (13 – 12)
 - f) Prescriber approves substitution, order is discontinued, new script written
Process Flow (13 – 12)
- 9) Prescriber reviews recommendations approval or disapprovals returned to Pharmacist system
Process Flow (13 - 12)
- 10) Prescriber returns copy of signed Narcotic order to Pharmacist
Process Flow (13 – 12-14)
- 11) Pharmacist fills order
Process Flow (14 – 11)
- 12) Electronic dispense messages are sent to facility eMAR
Process Flow (11 – 5 – 9)
- 13) Medication shipped to Facility
Process flow (4)
- 14) LTCPAC nurse reconciles medications received With the order(s) on the Facility eMAR System
Process Flow (15 – 9)
- 15) Nurse administers medications to patient
Process Flow (15 – 3- 2)

Fifth Use Case - Prescriber Evaluates Patient in Facility- Monthly Medication Review - Orders entered by LTPAC Staff through Facility eMAR system

**New Orders
above)**

Numbers reflect Process Flows (see

- | | |
|--|----------------------------|
| 1) Prescriber evaluates Patient on their monthly review | |
| a) updates med order list for nursing staff | Process Flow (8 – 2) |
| 2) Prescriber hands LTPAC staff list of order changes refills and new orders | Process Flow (8 – 21 - 15) |
| 3) Nurse reviews medication(s) that require new prescriptions for refill | Process Flow (15 – 9) |
| 4) Electronic message(s) sent from eMAR System to Pharmacist via electronic messaging | Process Flow (9 – 5 – 11) |
| 5) Pharmacist fills order | Process Flow (14 – 11) |
| a) Exceptions or issues on order from Prescriber Pharmacist will advise Prescriber | Process Flow (14 – 11) |
| b) Pharmacist advises of warning for drug interaction recommends Alternate substitution | Process Flow (12 – 13) |
| c) Request written, signed narcotic order | Process Flow (12 – 13) |
| d) Prescriber sends approval or disapproval of alternate medication | Process Flow (13 – 12) |
| e) Prescriber approves or disapproves of substitution recommended by pharmacist | Process Flow (13 – 12) |
| f) Prescriber approves substitution, order is discontinued, new script written | Process Flow (13 – 12) |
| 6) Electronic dispense messages sent to facility | Process Flow (11 – 5 – 9) |
| 7) Medication shipped to Facility - 4 | |
| 8) Shows on Facility eMAR System – 9 | |
| 9) LTPAC nurse reconciles medications received on the Facility eMAR System | Process Flow (15 – 9) |
| 10) Nurse administers medications to patient | Process Flow (15 – 3 – 2) |

Sixth Use Case - Nursing Staff daily review eMAR to evaluate which medications need to be refilled

- 1) LTC Nurse reviews medication list of patient
 - a) During rounds
 - b) Review process
 - 2) Refill Request is sent to Pharmacy via Facility eMAR system electronically
 - 3) Pharmacy system receives an electronic fill message waiting to be refilled
 - 4) Pharmacist will review the eFile daily to see what medication orders need to be refilled
 - 5) If the refill is available based on the adjudication plan, medication will go into an eBatch for processing
 - 6) Pharmacist processes refills
 - 7) Pharmacist fills orders, dispense message is sent back to Facility eMAR system electronically
 - 8) Medications shipped to Facility
 - 9) Shows on Facility System as a refill
 - 10) Facility staff receives medications, reconciles medications ordered Facility eMAR system
 - 11) Nurse administers medications to patient
- Process Flow (15 – 9)
- Process Flow (15 – 9 - 5 – 11)
- Process Flow (11 – 14)
- Process Flow (14 – 11)
- Process Flow (11 – 14)
- Process Flow (14 – 11)
- Process Flow (11 – 5 – 9)
- Process Flow (4)
- Process Flow (9)
- Process Flow (15 – 9)
- Process Flow (3 – 2)

Seventh Use Case - Nursing Staff daily review eMAR to evaluate which medications need to be refilled – REFILL TOO SOON

- 1) LTC Nurse reviews medication list of patient, to see which medications need to be refilled
Process Flow (15 – 9)
- 2) Refill Request is sent to Pharmacy via Facility eMAR system electronically
Process Flow (9 – 5 – 11)
- 3) Pharmacist will review the eFile daily to see what medication orders need to be refilled
Process Flow (14 – 11)
- 4) Refill is not available due to adjudication plan, medication will go into a Suspend file for processing when refill date is available
Process Flow (11)
- 5) Pharmacist daily will review the Suspend file to see which refills are available to be processed
Process Flow (14 – 11)
- 6) Pharmacist fills orders, dispense message is sent back to Facility eMAR system electronically
Process Flow (11 – 5 – 9)
- 7) Medications shipped to Facility
Process Flow (4)
- 8) Shows on Facility System as a refill
Process Flow (9)
- 9) Facility staff receives medications, reconciles medications ordered Facility eMAR system
Process Flow (15 – 9)
- 10) Nurse administers medications to patient
Process Flow (15 – 3 – 2)

THERAPETUIC INTERCHANGE

According to: http://www.pppmag.com/documents/V9N2/PDFs/therapeutic_interchange_list.pdf

MEDICAL STAFF – APPROVED THERAPEUTIC INTERCHANGES

Therapeutic Interchange is the practice of dispensing a therapeutically equivalent medication in place of a medication ordered. Only therapeutic interchanges approved by the medical executive committee are allowed. Pharmacy will automatically dispense the approved therapeutic interchange. Pharmacy will indicate that a therapeutic interchange has occurred by one or more of the following means:

- Enter a computer message that will display on forms and in the computer system (eg, labels, medication administration guide, medication administration record, electronic charting system)
- Clarify the order in the physician order section of the patient's chart.

The physician may request that therapeutic interchange not be made.

**There is a global permission that can be registered in the pharmacy in which the physician submits that will list the medications that he/she have approved for TI.

First Use Case

- | | |
|--|------------------------------|
| 1) Prescribers enters orders via prescribers CPOE system | Process Flow (8 -20 -7) |
| 2) Prescribers CPOE system sends orders by electronic fill message to Pharmacy and the Facility System | Process Flow (7 – 9, 9 – 11) |
| 3) Pharmacist evaluates orders and if Global permission is filed in pharmacy The pharmacist will fill order with TI medication | Process Flow (14 – 11) |
| 4) If no Global Permission slip is filed with Pharmacy, then communication between prescriber and Pharmacist about recommendations | Process Flow (13- 12) |
| o Pharmacist recommends a therapeutic interchange | Process Flow (12-13) |
| o Prescriber approves therapeutic interchange | Process Flow (13-12) |
| ▪ Approve | |
| ▪ disapprove | |
| o If Prescriber approves therapeutic interchange | Process Flow (13 – 12) |
| o Prescriber approves substitution, order is discontinued, new script written | Process Flow (13 – 12) |

Second Use Case

- 1) New order is electronically received in Pharmacy from the Facility System
Process Flow (9 – 5 - 11)
- 2) Pharmacist evaluates orders and if Global permission is filed in pharmacy
The pharmacist will fill order with TI medication
Process Flow (14 – 11)
- 3) If no Global Permission slip is filed with Pharmacy, then communication between prescriber and Pharmacist about recommendations
Process Flow (13- 12)
 - o Pharmacist recommends a therapeutic interchange
Process Flow (12-13)
 - o Prescriber approves therapeutic interchange
Process Flow (13-12)
 - Approve
 - disapprove
 - o If Prescriber approves therapeutic interchange
Process Flow (13 – 12)
 - o Prescriber approves substitution, order is discontinued,
new script written
Process Flow (13 – 12)

E-KIT – EMERGENCY KITS

NARCOTIC RULES