



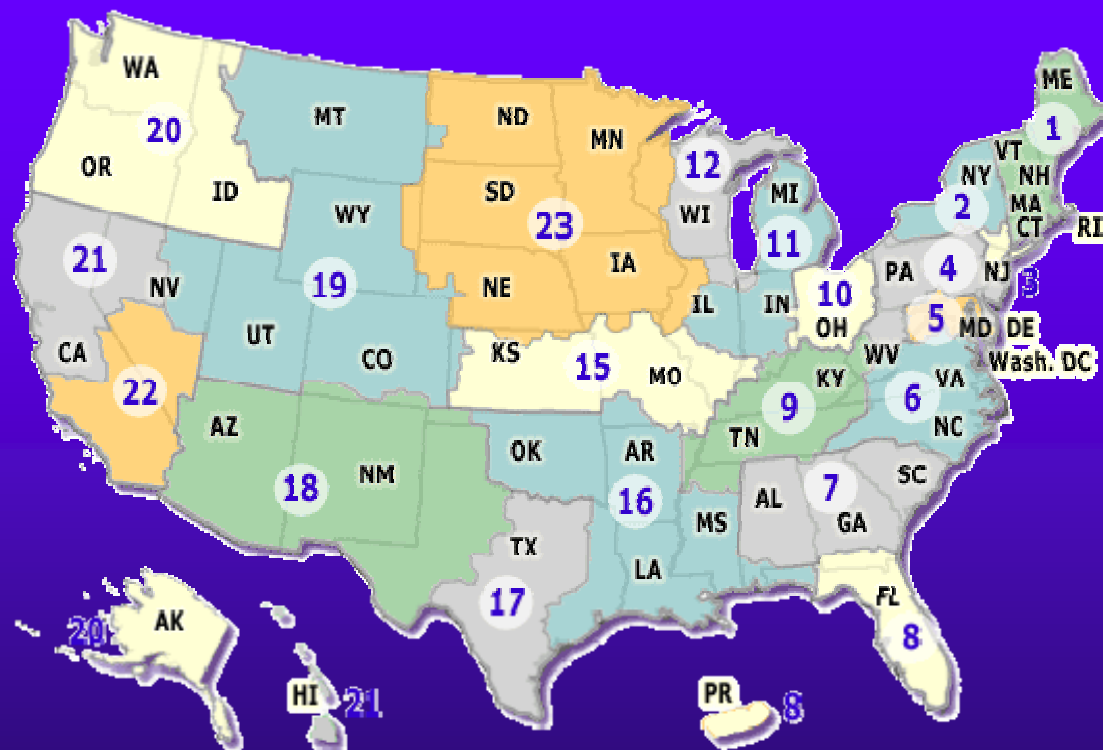
Smart ePrescribing (eRx):

Some Lessons from the Department of Veterans Affairs



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Co-Director, VA Center for Medication Safety*

Department of Veteran Affairs has about 150 medical facilities, over 800 outpatient clinics and 135 nursing homes in 21 geographic regions (7 million enrollees (> 4 million in health care system))



VA Greater Los Angeles Healthcare System





Closed Ordering

- ◆ VA maintains a list of drugs with closed ordering on its intranet website:
 - Drug
 - Company
 - Requirement (e.g., FDA or MFG)
 - Drug on Formulary
 - Process of PBM web site link
 - Company/pharmaceutical website



Current List

◆ Includes

- Accutane (Isotretinoin)
- Clozaril (Clozapine)*
- Revlimid (lenalomide)
- Thalomid (Thalidomide)
- Tikosyn (Dofetilide)
- Tracleer (Bosentan)
- Tysabri (Natalizumab)
- Xyrem (Sodium Oxybate)

Example

- ◆ Thalomid (Thalidomide)
 - Company: Celgene Pharmaceuticals
 - Special Handling: Closed Ordering & Distribution System
 - Requirement: FDA Required –Safety
 - VANF: No
 - Rx by physicians and pharmacists registered in S.T.E.P.S program





VA Clozapine Program

- ◆ Caremark originally had exclusive rights for distribution from Sandoz
 - Physician and pharmacy registration necessary
- ◆ VA received authorized vendor status
- ◆ Developed outpatient program
- ◆ Tracks blood counts weekly, bi-weekly or monthly (includes wbc and absolute neutrophils):
 - Looks for progressive drop over 3 blood draws (→ agranulocytosis)
- ◆ VA is the only program that prevents Rx from being dispensed without appropriate white count
- ◆ Proactive vs. retrospective assessment (registry)
- ◆ Limitation: program misses eosinophil elevation



Clozapine Program

Department of Veterans Affairs
Veterans Health Administration
Washington, DC 20420

VHA DIRECTIVE 99-035

July 29, 1999

CLOZAPINE PATIENT MANAGEMENT PROTOCOL (CPMP)

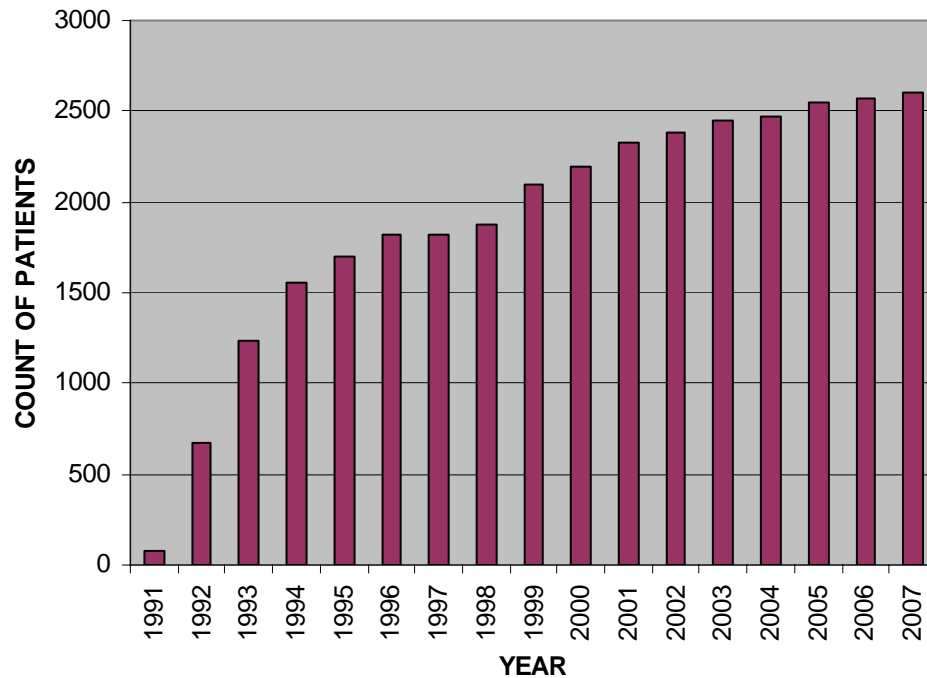
a. The Department of Veterans Affairs (VA) National Clozapine Coordinating Center (NCCC) will prepare a list of active clozapine patients whose records in the VA database meet the FDA criteria for white blood count (WBC) testing every-other-week. In order to qualify, a clozapine patient must have a WBC sample drawn and tested once each week for at least 6 months. All of these samples must produce “acceptable” results (WBC count > 3000 per cubic millimeter (mm^3) and absolute neutrophil count (ANC) $> 1500/\text{mm}^3$). Qualification will be made electronically, based on data available at the NCCC, and separate lists will be prepared for each active clozapine site.

(1) Do Not, Under Any Circumstances, Permit a Prescription for Clozapine to be Based on a White Blood Cell Count More than 6 Days Old. Overrides of the current Pharmacy computer safety interlocks for this purpose are not acceptable. The Chief of Psychiatry or the designated Chief of the Clozapine Treatment Team may authorize an override only when administrative problems prevent an acceptable WBC count (< 6 days old) from being entered into the laboratory computer. Each override must be fully documented by the pharmacist coding the override. Full justification must be provided to the NCCC at any time. The FDA and Novartis Pharmaceuticals are also following such information.

Clozapine Use



HISTORY OF VA CLOZAPINE USE





Processes

- ◆ Program stops dispensing at point of Rx if does not meet parameters.
- ◆ Overall, data aggregated by electronic means (less than 50%) and fax (about 45%)
- ◆ VA is generally meets 95% compliance with FDA requirements for a single week.
 - January (2007) initial compliance at 88%.



Evidence-Based Practices

Evidence and Prescribing



New Molecular Entities

- ◆ National Monograph (review)
 - VA PBM
- ◆ Develop evidence-based criteria
- ◆ Implementation
 - Regional Committees (VISN)
 - Local Pharmacy & Therapeutics Committees
 - Prior authorization
 - Non-formulary request

Monograph: Example

Lenalidomide Drug Monograph

National PBM Drug Monograph Lenalidomide (Revlimid®)

July 2006

VHA Pharmacy Benefits Management Strategic Healthcare Group and the Medical Advisory Panel

Executive Summary:

Efficacy:

- Lenalidomide is an analogue of thalidomide. It is an immunomodulatory drug that inhibits proinflammatory cytokines, stimulates T-cell proliferation and NK cell activity, has antiangiogenic activity, and pro-apoptotic activity in some cell lines
- Its metabolism has not been fully studied, but 2/3 of the drug is eliminated in the urine.
- In vitro studies with human liver cell lines indicate that lenalidomide is not affected by, does not inhibit or induce cytochrome P450 isoenzymes and therefore there is little chance for a drug interaction with this metabolizing pathway.
- Lenalidomide was studied in a single-arm, open label, multicenter study (003) in patients with myelodysplastic syndrome with a del 5q cytogenetic abnormality who were RBC transfusion dependent.
- In addition, patients had low or intermediate-1 risk IPSS scores.
- Lenalidomide, given at 10mg daily for 21 days every 28 days or 10mg daily eliminated transfusion dependence in 64% of patients for a median duration of 52 weeks.

Safety:

- A large percentage of patients experienced adverse events.
- The most common adverse events were neutropenia, thrombocytopenia, and infections.
- The most serious adverse events were neutropenia and thrombocytopenia
- Up to 80% of patients required at least one dose interruption or dose reduction during therapy
- A Black Box warning for 1) teratogenicity 2) neutropenia and thrombocytopenia and 3) deep vein thrombosis and pulmonary embolism are contained in the package insert.

Recommendations:

- Lenalidomide produces substantial benefit by eliminating RBC transfusion dependence in a large percentage of patients with MDS and a del 5q cytogenetic abnormality but with a large risk for and adverse event.
- Lenalidomide should not be added to the national formulary at this time. Criteria for use include patients with transfusion-dependent myelodysplastic syndrome with a deletion (5q) cytogenetic abnormality.



Criteria: Within Document

Criteria for Use include:

1. Low or Intermediate-1 risk transfusion-dependent Myelodysplastic Syndrome with a deletion (5q) cytogenetic abnormality
2. ECOG performance 0-2

N.B. Use in Low or Intermediate-1 risk transfusion-dependent Myelodysplastic Syndrome patients without a deletion (5q) cytogenetic abnormality must take into account the lower hematologic response rate and lack of published data. In these cases the patient and prescriber should weigh the benefits and risks versus alternative therapies.

Exclusion Criteria:

1. Baseline ANC < 500/mcL or platelets < 50,000/mcL
2. Baseline serum creatinine > 2.5 g/dL
3. Pregnant or lactating female
4. Nutritional anemia (uncorrected)
5. Ongoing thrombosis

Criteria for Use: Novoseven



RECOMMEND FOR CONSIDERATION (Quality of Evidence/Strength of Recommendation)

rFVIIa may be considered in the following situations:

- Intracerebral hemorrhage (1B-one study) **IF:** (All criteria must be met)
 - a. Symptom onset \leq 4 hrs
 - b. Glasgow Coma Scale \geq 5
 - c. No plan for surgical evacuation within 24 hrs
 - d. No history of thrombotic or vaso-occlusive disease (nonstatistical increase in serious thromboembolic events in the rFVIIa group vs. placebo 7% vs. 2%, respectively)

RECOMMEND AGAINST USE (Quality of Evidence/Strength of Recommendation)

(Because of a lack of data and/or data demonstrating ineffectiveness or harm)

rFVIIa should NOT be utilized in the following situations: (Because of lack of benefit or harm)

- Cessation of variceal bleeding/prevention of variceal rebleeding in patients with cirrhosis (1B-one study showing no benefit in bleeding cessation, rebleeding or death at 24 hrs or 5 days)

Surgery:

- Preoperative use (at first incision) in major liver resection (1A-two studies showing no reduction in RBC transfused)
- Preoperative (at first incision) and/or planned perioperative use in orthotopic liver transplantation (1A-two studies showing no reduction in RBC transfused)
- Preoperative use (at first incision) in patients undergoing major reconstructive surgery for pelvic or pelvic-acetabular fracture (1B-one study showing no reduction in transfusion of blood products or number transfused)

rFVIIa use is UNCLEAR in the following situations. The lack of evidence suggests use should be considered only when standard/conventional treatments have been exhausted or proven ineffective.

- Reversal of prolonged prothrombin time (PT) prior to invasive procedures (e.g. liver biopsy) in patients with liver disease (3C- three case series, no control group, unknown effectiveness in bleeding after procedures)
- Reversal of anticoagulation (3C-No trials comparing rFVIIa with FFP and/or vitamin K for reversal of excessive anticoagulation with warfarin. As for fondaparinux, there is one study in healthy, nonbleeding volunteers. The benefit/risk ratio of rFVIIa in bleeding patients due to fondaparinux is unknown).
- Other Hereditary Coagulation Disorders/Platelet Function Defects (3C-unknown effectiveness, no controlled trials)
 - a. Consider only after standard treatments have proven inadequate and/or patient has developed inhibitors to clotting factors.



Simple Prescribing Scenario

- ◆ Provider at health center requests Rx
- ◆ Reviewed by local P&T or delegated person(s)
- ◆ Assure it meets criteria (or is granted an exemption)
- ◆ Prescribing continues per regulations and any local procedures (e.g., specify a timeframe)



Smart Prescribing

Technology and Prescribing



Smart ePrescribing

- ◆ Concept of using available technology and resources to improve and guide clinicians
- ◆ Goal is to improve overall prescribing:
 - Efficacy
 - Safety
 - Monitoring
 - Outcomes
- ◆ Applicability for RISKMAPs?

Directing Pharmaceutical Choice Using ePrescribing Technology



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2004 (updated 2007)



CPRS Technology Circa 2004

- ◆ Primary objective is to guide appropriate, safe and cost-effective drug choice.
- ◆ Options for “smart” prescribing are somewhat limited by technology.
- ◆ However, current technology can be used in a variety of ways to assist clinicians.



Types of Options

- ◆ Consult Menu Utilization
- ◆ Medication Utilization Templates
 - Developed at Baltimore VA (Sylvan DeLisle)
- ◆ Clinical Reminder Technology
- ◆ Basic Template
 - Pop-up
 - Display Restrictions/Guidelines
- ◆ Quick Order and Decision Trees
 - Non-interactive
 - Simple
 - Complex



Consult Menu

- ◆ Useful for non-formulary and prior authorization medications
- ◆ Templates can be specific or generic
- ◆ Point and click technology
- ◆ Can incorporate discrete laboratory information, documented ADEs, and other extractable information from CPRS/VISTA
- ◆ Interrupts prescribing process so must be used with discretion

Example: Cilastozol Template

Reason for Request: CILOSTAZOL

Please refer to the link(s) below for guidelines.
[Pharmacy Guidelines for Cilostazol](#)

RESTRICTED TO VASCULAR SERVICE ONLY

1. Diagnosis:

Claudication due to Peripheral Arterial Disease (PAD)

Other:

2. Eligibility Screening:

Inclusion Criteria:

a. Diagnosis of claudication by vascular surgeon: * Yes No

b. PAD only known reason for walking limitation: * Yes No

c. Please explain other reason(s) for limitation:

Exclusion Criteria:

a. History of congestive heart failure: * Yes No

b. History of pulmonary edema: * Yes No

c. Ambulation limited by:

1. Dyspnea: * Yes No

2. Angina: * Yes No

3. Fatigue: * Yes No

4. Neuromuscular disorders: * Yes No

d. Renal Failure (creatinine >3.0): * Yes No

* Indicates a Required Field

Preview OK Cancel



Clinical Reminder Technology

- ◆ Already available at all VA's through CPRS
- ◆ Can trigger on, for example, medication and laboratory tests
 - e.g., can check if patient on atypical antipsychotic has had lipid profile within 6 months
- ◆ Must be used selectively due to provider burden and informatics expertise
- ◆ Does not provide real-time advice while prescribing but is helpful at subsequent visits to guide providers on important items.

Clinical Reminder Screen for Pain Medication



Reminder Resolution: Pain Medication Use Agreement

A yearly pain management agreement is needed for patients who have received 5 opioid prescriptions in the past 6 months and/or who have received more than 500 tablets of those agents in the past 3 months. This should now be done by using the CPRS progress note template entitled, "Pain Management Agreement". This will resolve the reminder for 1 year. Patients with terminal illness (e.g., due to malignancy) are excluded from this process.

View [Pain Contract Policy](#)

Patient agrees to initiate a contract regarding use of pain medication. A separate note titled Pain Management Contract Note will be initiated.

NOTE: This reminder will not resolve until the PAIN MANAGEMENT CONTRACT note is written.

Contract already established in medical record.

No pain management agreement necessary as expected additional opioid use is expected to be less than 3 months.

Patient has terminal illness and does not require a contract.

Patient refuses to initiate pain medication contract.

Buttons: Clear, Clinical Maint, Visit Info, < Back, Next >, Finish, Cancel

<No encounter information entered>

can provide link to guidance or policy

Options for clinicians



Basic Prescribing Template

- ◆ Three options for providing information:
 - Adding in default dosing and other labeling
 - Using Pop-up Box to give brief statement
 - Limited to 64 characters
 - Utilizing Display Restrictions/Guidelines
 - Click option, can display substantial text

Benazepril Template

Default dose, schedule, route and labeling

Medication Order

BENAZEPRIL TAB Change

Display Restrictions/Guidelines

Dosage	Complex
40MG	0.066
5MG	0.066
10MG	0.0591
20MG	0.0591
30MG	0.1773
40MG	0.066
80MG	0.132

Route: ORAL

Schedule: QD PRN

Q4H
Q4WEEKS
Q5DAYS
Q5MIN
Q5MIN PRN
Q6H
Q72H
Q8H
QAM
QAM (INSULIN)
QD
QD AC

Comments: ADJUST FOR RENAL DOSING; SEE INTRANET/GUIDELINES

Days Supply: 90 Qty (TAB): 90 Refills: 3

Pick Up: Clinic Mail Window

Priority: ROUTINE

BENAZEPRIL TAB 40MG
TAKE ONE TABLET BY MOUTH EVERY DAY

Click blue text on medication order screen to display restrictions/guidelines

Accept Order Quit

Pop-Up Box and Display Restrictions/Guidelines

Click here for displaying information (see next slide)

Medication Order

BENAZEPRIL TAB Change

Display Restrictions/Guidelines

Dosage	Complex	Route	Schedule
40MG	0.066	ORAL	QD <input type="checkbox"/> PRN
5MG	0.066	ORAL	Q4H
10MG	0.0591		Q4WEEKS
20MG	0.0591		Q5DAYS
30MG	0.1773		Q5MIN
40MG	0.066		Q5MIN PRN
80MG	0.132		Q6H
			Q72H
			Q8H
			QAM
			QAM (INSULIN)
			QD
			QD AC

Comments: ADJUST FOR RENAL DOSING; SEE INTRANET/GUIDELINES

Days Supply: 90 Qty (TAB): 90 Refills: 3 Pick Up: Clinic Mail Window Priority: ROUTINE

BENAZEPRIL TAB 40MG
TAKE ONE TABLET BY MOUTH EVERY DAY Click blue text on medication order screen to display restrictions/guidelines

Accept Order Quit

Pop-up box with brief comment

“Display Restrictions/Guidelines”

Content can include short or extensive text – closing box returns prescriber to template

Restrictions/Guidelines

Initial dosing:

CREATININE CLEARANCE	INITIAL DOSE
greater than 60 mL/minute	10 mg
30 to 60 mL/minute	10 mg
10 to 30 mL/minute	5 mg
less than 10 mL/minute	5 mg

Maintenance dosing:

GFR (mL/minute)	Percentage of normal dose	Interval
-----	-----	-----
over 50	100%	QD
10 to 50	50%-75%	QD
under 10	25%-50%	QD

* Maximum dose for renally-impaired patients is 40mg QD

If you have any questions, contact a pharmacist.

Print

Close



Quick Orders

- ◆ Can be used in a variety of ways to guide prescribing:
 - Information only
 - simple or complex decision trees
 - checklists
- ◆ Minimizes prescriber burden
- ◆ Useful for commonly used drugs
- ◆ Can remove orderable item from list, assuring that quick orders must be used

Quick Order Screen

Outpatient Med Quick orders Done

A	L
<input type="checkbox"/> Acetaminophen(Tylenol)325mg 2 tabs po q6h prn #10	<input type="checkbox"/> Lancets #200
<input type="checkbox"/> Acetaminophen 500mg(Ex Str Tylenol) 2 tabs po q6h prn #10	<input type="checkbox"/> Levothyroxine 0.025mg po qd #30
<input type="checkbox"/> Actifed 1 tab qid #30 prn congestion	<input type="checkbox"/> Levothyroxine 0.05mg po qd #30
<input type="checkbox"/> Albuterol Inhaler 2 puffs po qid prn #3	<input type="checkbox"/> Levothyroxine 0.075mg po qd #30
<input type="checkbox"/> Alcohol Swabs #100	<input type="checkbox"/> Levothyroxine 0.1mg po qd #30
<input type="checkbox"/> Amoxicillin 250mg 1 cap po tid X 7 days #21	<input type="checkbox"/> Levothyroxine 0.125mg po qd #30
<input type="checkbox"/> Amoxicillin 500mg 1 cap po tid X 7days until gone #21	<input type="checkbox"/> Levothyroxine 0.150mg po qd #30
<input type="checkbox"/> ***ANTIBIOTIC PROTOCOLS***	<input type="checkbox"/> Levothyroxine 0.175mg po qd #30
<input type="checkbox"/> Artificial Tears,Dph 1gtt both eyes q6h prn #1	<input type="checkbox"/> Levothyroxine 0.2mg po qd #30
<input type="checkbox"/> Ascorbic Acid 500mg po tid #100	<input type="checkbox"/> Lisinopril 5mg po qd #30
<input type="checkbox"/> Aspirin 81mg Chew Tab po qd #108	<input type="checkbox"/> Lisinopril 10mg po qd #30
<input type="checkbox"/> Aspirin 325mg EC(Ecotrin) po qd #100	<input type="checkbox"/> Lisinopril 20mg po qd #30
<input type="checkbox"/> Aspirin 325mg po qd #100	<input type="checkbox"/> Lisinopril 40mg po qd #30
<input type="checkbox"/> Atenolol 25mg po qd #90	<input type="checkbox"/> Lovastatin 40mg po qd dinner #90
<input type="checkbox"/> Atenolol 50mg po qd #90	
<input type="checkbox"/> Atenolol 100mg po qd #90	
	M
B	<input type="checkbox"/> Maalox Plus ES 15ml q8h prn #2bot
<input type="checkbox"/> Bactrim DS 1 po bid #20	<input type="checkbox"/> Maxzide 1/2 tab po qd #45
<input type="checkbox"/> Benazepril Tab	<input type="checkbox"/> Maxzide 1 tab po qd #90
	<input type="checkbox"/> Metformin 500mg po qd #90
C	<input type="checkbox"/> Metformin 500mg po bid #180
<input type="checkbox"/> Cepacol Lozenge 1 tab q2h prn sore throat #18	<input type="checkbox"/> Metformin 1000mg po bid #180
	<input type="checkbox"/> Metoprolol 50mg po bid #180
	<input type="checkbox"/> Metoprolol 100mg po bid #180

Click on
Benazepril

Non-Interactive Quick Order: Warning for Benazepril



This displays first when quick order for benazepril is clicked.

Reason for Request: BENAZEPRIL TAB

Click blue text on medication order screen to display restrictions/guidelines

CREATININE CLEARANCE	INITIAL DOSE
greater than 60 mL/minute	10 mg
30 to 60 mL/minute	10 mg
10 to 30 mL/minute	5 mg
less than 10 mL/minute	5 mg

Maintenance dosing:

GFR (mL/minute)	Percentage of normal dose	Interval
over 50	100%	QD
10 to 50	50%-75%	QD
under 10	25%-50%	QD

* Maximum dose for renally-impaired patients is 40mg QD

* Indicates a Required Field

Preview OK Cancel

Clicking "OK" brings provider back to order template (next slide)


Benazepril Template

Medication Order [X]

BENAZEPRIL TAB Change

Display Restrictions/Guidelines

Dosage	Complex	Route	Schedule
40MG	0.066	ORAL	QD <input type="checkbox"/> PRN
5MG	0.066	ORAL	Q4H
10MG	0.0591		Q4WEEKS
20MG	0.0591		Q5DAYS
30MG	0.1773		Q5MIN
40MG	0.066		Q5MIN PRN
80MG	0.132		Q6H
			Q72H
			Q8H
			QAM
			QAM (INSULIN)
			QD
			QD AC

Comments:  ADJUST FOR RENAL DOSING; SEE INTRANET/GUIDELINES

Days Supply: 90 Qty (TAB): 90 Refills: 3

Pick Up: Clinic Mail Window

Priority: ROUTINE

BENAZEPRIL TAB 40MG
TAKE ONE TABLET BY MOUTH EVERY DAY Click blue text on medication order screen to display restrictions/guidelines

Accept Order Quit



Quick Order: Simple Decision Tree

- ◆ Useful for two-step processes
- ◆ Relatively easy to build
- ◆ Guides but does not substantially slow prescribing process

Simple Decision Tree: Quick Order for Irbesartan

IRBESARTAN RESTRICTION Done

Irbesartan is limited to patients who have had an ADE to an angiotensin converting enzyme inhibitor (ACEI). Click appropriate option below.
For other reasons please request via PBM non formulary menu.

YES (ADE documented)
 NO (ADE not documented)

If no ADE, can click and go to ADE template or list formulary ACE I

If ADE already documented, provider clicks here and goes to irbesartan template

Decision Trees: Tamsulosin Quick Order

Tamsulosin Restriction Done

Click here if patient has inadequate clinical response to Terazosin 10mg q HS to order Doxazosin

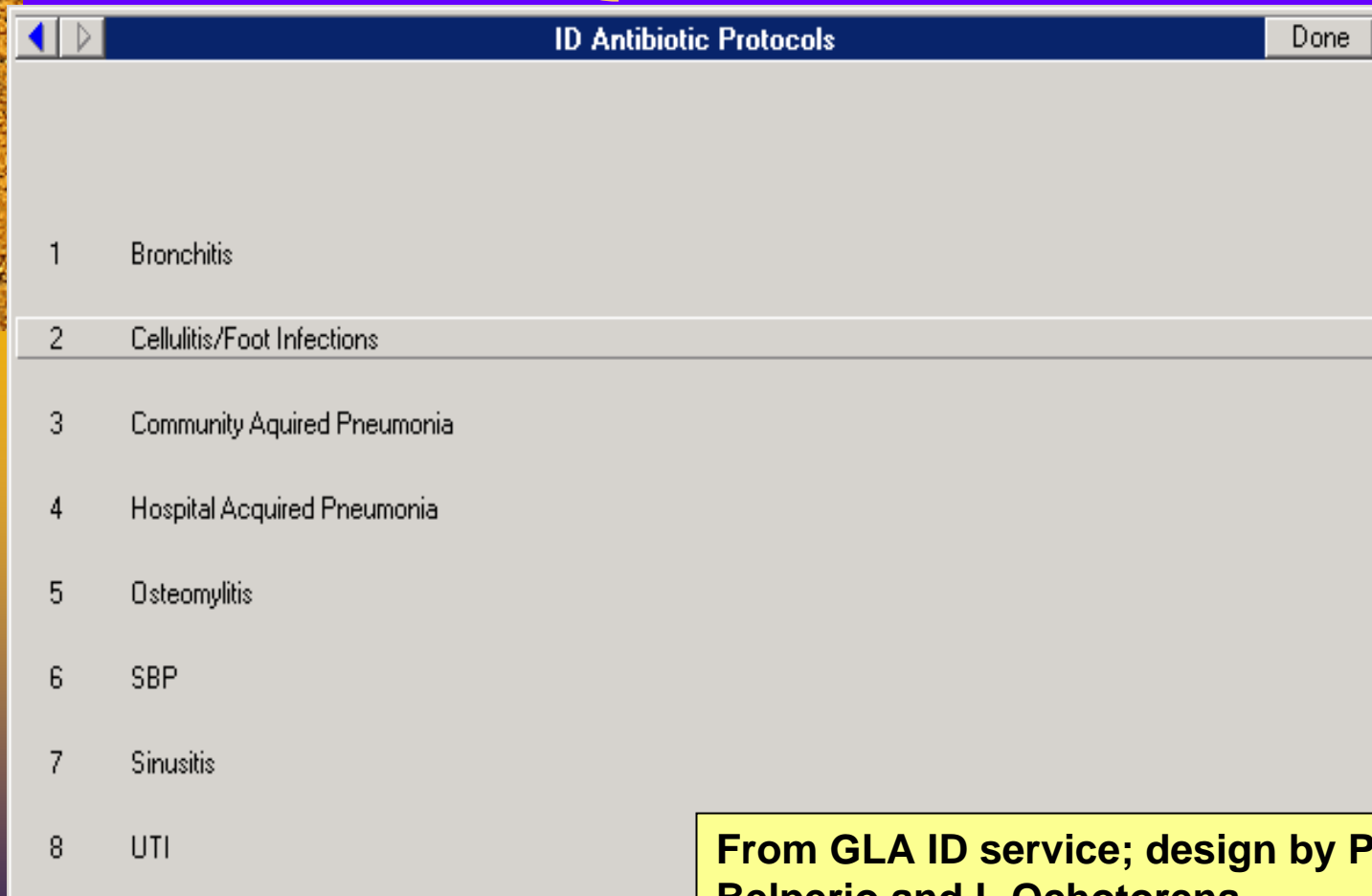
Click here if patient has inadequate clinical response to Doxazosin 8mg q HS to order Terazosin

Click on "YES" or "NO" below if the patient has a documented and serious ADE (e.g. orthostasis falls syncope dizziness or serious limb or organ threatening event). For other reasons please request via PBM non formulary menu.

YES (to order Tamsulosin)
 NO (to document ADE)

Allows for several options, depending on situation.

Complex Decision Trees: Antibiotic Quick Order Screen



1 Bronchitis

2 Cellulitis/Foot Infections

3 Community Acquired Pneumonia

4 Hospital Acquired Pneumonia

5 Osteomyelitis

6 SBP

7 Sinusitis

8 UTI

Done

From GLA ID service; design by P. Belperio and L Ochotorena

Order Screen: Bronchitis

Bronchitis Antibiotic Protocol Done

<1> Acute Uncomplicated
No antibiotic required. Use symptomatic treatme
with expectorants and beta agonist

Albuterol Meds

← Guaifenesin 100mg(5ml)po Q6h prn cough

<2> Acute Complicated
Chronic bronchitis or COPD plus 2 of the followi
> increase dyspnea
> increased sputum production
> purulence of sputum

FIRST LINE AGENTS

← Amoxicillin 500mg po q8h
← Doxycycline 100mg PO Q12
Trimethoprim/Sulfa 1DS PO Q12H

Gives brief information to providers

Lists preferred medications and takes clinician to relevant prescription

Order Screen: Bronchitis

Lists when other medications can be used, if needed. Clicking on drug opens prescribing template

Outpatient Bronchitis Antibiotic Protocol Done

<1> Acute Uncomplicated
No antibiotic required. Use symptomatic treatment with expectorants and beta agonist

Albuterol Meds

Guaifenesin (alcohol/sugar free) 5ml qid prn #240ml

<2> Acute Complicated
Chronic bronchitis or COPD plus 2 of the following

- > increase dyspnea
- > increased sputum production
- > purulence of sputum

FIRST LINE AGENTS

Amoxicillin 500mg tid x10d
Doxycycline 100mg bid x 10d
Bactrim DS bid #20

UNRESPONSIVE TO FIRST LINE AGENTS

Amoxicillin/Clavulanate 875mg PO q12h X14D

If patient allergic to PENICILLIN

Moxifloxacin 400mg PO QD
[Click for QT Warning](#)

Quick Order Checklists: Amiodarone for PCPs

Lists items required for prescribing and which can, if desired, be checked by local pharmacists

Reason for Request: AMIODARONE TAB

TAKE WITH FOOD FOR IRREGULAR HEART RHYTHM

- * I will read/I have read guidelines on Amiodarone use:
(click on blue "Display Guidelines/Restrictions" on order template)
- * Indication is for maintaining NSR in patients with hx of AFib
(for any other arrhythmias, refer to Cardiology)
- * Baseline Pulmonary Function Tests have been completed and are on file
- * DLCO is >20% (If DLCO is <20%, refer to Cardiology)
- * Baseline chest X-Ray is on file (or has been reviewed/reported)
and has no pulmonary fibrosis
- * Pt. does not have new onset dyspnea or worsening dyspnea
(if so, consult Guidelines)
- * TSH has been done in past 6 months
(if TSH indicates hyperthyroidism--DO NOT ORDER--Consult Cardiology)
(if TSH high, consult Guidelines)
- * LFT's have been done in past 6 months
(for abnormal LFT's, consult Guidelines)

Prescribe no more than 6-months supply

* Indicates a Required Field

Preview

OK

Cancel

Amiodarone Template



Guidelines are available to prescribers by clicking here

Medication Order

AMIODARONE TAB Change

[Display Restrictions/Guidelines](#)

Dosage	Complex	Route	Schedule
200MG		ORAL	QD <input type="checkbox"/> PRN
100MG	0.07475	ORAL	Q5MIN PRN
200MG	0.1495		Q6H
300MG	0.22425		Q72H
400MG	0.299		Q8H
			QAM

Comments: TAKE WITH FOOD FOR IRREGULAR HEART RHYTHM

Days Supply: 30 Quantity: 30 Refills: 5

Pick Up: Clinic Mail Window Priority: ROUTINE


Patient Instruction: -TAKE WITH FOOD

AMIODARONE TAB 200MG
TAKE ONE TABLET BY MOUTH EVERY DAY -TAKE WITH FOOD TAKE WITH FOOD FOR IRREGULAR HEART RHYTHM

Accept Order Quit

Quick Order Checklist: Vardenafil Quick Order

Can use to
reinforce safety
issues



Reason for Request: VARDENAFIL TAB

LIMIT 4 DOSES/MONTH
NOTE: Statements with * must be selected before the pharmacy will fill prescription.

* -Provider is, or note is cosigned by, authorized prescriber.
* -Pt not on any nitrates from the VA or other Provider.
* -Pt not at high risk of receiving nitrates emergently.
* -Annual liver and renal function tests are in CPRS or current progress note.
* -Patient does not have aortic stenosis
*
 -If patient is on alpha blocker, reviewed with and counseled patient on concurrent use
* -Patient has been counseled on the potential for sudden vision loss.
*
 Patient currently on Vardenafil
 Patient never taken Vardenafil start at 10mg and titrate as needed
 Patient >65 years or on alpha-blocker start at 5mg and titrate as needed

* Indicates a Required Field Preview OK Cancel

Questions?





Consult Menu for Restricted Drugs