

# LEXI-COMP

Providing Point-of-Care Drug Information Solutions  
for Individuals and Healthcare Institutions



# The **NEW** Choice in Clinical Decision Support



**A Leader in Innovation**

**A Trusted Source**

***A Powerful New Solution***

# LEXI- COMP INTEGRATED

Includes:

**Lexi-Data Basic™**

**Lexi-Data™**

**Lexi-Data Consumer™**

**Integrated Reference**

# LEXI- COMP INTEGRATED

## Benefits:

- References to RX Norm IDs to aid in transitions and integration with other coding systems
- Customization support to augment and override many clinical areas
- Tools to manage alert fatigue
- Meet decision support requirements for CCHIT certification
- Easy implementation can reduce development time and cost
- Helps reduce medication errors
- Saves clinician time

# LEXI- COMP INTEGRATED

## Features:

- Integration of point-of-care reference information within Lexi-Comp® ONLINE™ via web-services, APIs, or XML datasets
- References to RX Norm IDs
- C# and Java APIs with full documentation available
- Database environment specific scripts to install and update Lexi-Data for Oracle®, SQL Server®, and MySQL®
- Update tools available for partial or full updates via FTP site

# DRUG INFORMATION



Patient Name:  DOB: 05/02/1955 53 years Gender: Female  Is or could be pregnant

Weight: 68 kgs Height: 165 cm BSA: 2 m2

Patient Medications [Add](#) [Remove](#) Patient Allergies [Add](#) [Edit](#) [Remove](#) Patient Conditions [Add](#) [Remove](#) Creatine Clearance

Description	Instructions
lisinopril	
metformin	
pioglitazone	
warfarin	
cefazolin	

Description	Reaction	Allergy/Severity
penicillin		Minor

Condition
Diabetes Mellitus Type II
Hypertension

	Recorded Time	CRCL Value
<input type="checkbox"/>	03/03/2009	81
<input checked="" type="checkbox"/>	03/03/2009	0

Dialysis:   Hepatic Impairment

Decision Alerts for:

Drug/Drug Interactions

Drug/Food Interactions

Drug/Condition Alerts

Drug/Allergy Alerts

cefazolin [Explore...](#) [Lexi-Comp Online](#) [Hosp. Formulary](#)

Drug Food Side Effects Pregnancy Lactation Warnings Dosing Pharmacology Patient Education

Serious and occasionally fatal hypersensitivity reactions have been reported with antibiotics. The drug should be discontinued immediately at the first appearance of a skin rash or other signs of hypersensitivity. Severe, acute hypersensitivity reactions may require treatment with epinephrine and other resuscitative measures including oxygen, intravenous fluids, antihistamines, corticosteroids, cardiovascular support and airway management as clinically indicated. Clostridium difficile associated diarrhea (CDAD) has been reported with almost all antibiotics and may potentially be life-threatening. Therefore, it is important to consider this diagnosis in patients who present with diarrhea following cephalosporin therapy. Mild cases generally improve with discontinuation of the drug, while severe cases may require supportive therapy and treatment with an antimicrobial agent effective against C difficile. Hypertoxin producing strains of C difficile cause increased morbidity and mortality; these infections can be resistant to antimicrobial treatment and may necessitate

Patient Specific Alerts [Alert Filter Settings...](#)

Severity	Type	Description
Minor	Drug/Allergy	penicillin/cefazolin - Allergic Category - Order Drug From Same Class
Moderate Potential Hazard	Drug/Condition	Hypertension/cefazolin
Severe Potential Hazard	Drug/Condition	Hypertension/warfarin
Moderate Potential Hazard	Drug/Condition	Hypertension/pioglitazone
Moderate Drug Interaction	Drug/Drug	captopril interacts with metformin
Moderate Drug Interaction	Drug/Drug	cefazolin interacts with warfarin
Moderate Drug Interaction	Drug/Drug	lisinopril interacts with metformin
Moderate Drug Interaction	Drug/Food	captopril interacts with food
Moderate Drug Interaction	Drug/Food	warfarin interacts with food
Moderate Drug Interaction	Drug/Food	lisinopril interacts with food

This patient is allergic to penicillins. cefazolin is a(n) cephalosporin and may show

# DRUG INFORMATION

**LEXI-  
COMP  
INTEGRATED**

Manage alert fatigue by customizing interaction alerts for different views. Set alert filters by user.

The screenshot shows the Lexi-Comp software interface. At the top, there is a menu bar with 'File', 'Tools', and 'Help'. Below the menu, there are several tool buttons: 'Drug Explorer', 'Update Hospital Formulary', 'Patient Allergies', 'Patient Conditions', and 'Creatinine Clearance'. The 'Customize Drug Interactions' button is highlighted with a red box. The patient information section shows: Patient Name: [redacted], DOB: 5/ 2/1955, 53 years, Gender: Female, and a checkbox for 'Is or could be pregnant'. The 'Drug Explorer' section lists drugs: lisinopril, metformin, pioglitazone, warfarin, and cefoxitin. The 'Patient Allergies' table shows: pericillin, Life Threatening. The 'Patient Conditions' table shows: Hypertension, Diabetes Mellitus Type II. The 'Creatinine Clearance' table shows: Recorded Time 3/26/2009, CRCL Value 81. The 'Alert Filter Settings' button is highlighted with a red box. The main content area is divided into 'Clinical Context' (Order Entry, Dispensing) and 'Patient Specific Alerts'. The 'Patient Specific Alerts' table lists various alerts with severity, type, and description. A text box at the bottom states: 'This patient is allergic to penicillin. cefoxitin is a(n) cephalosporin and may show allergic cross-reactivity to penicillin.'

Description	Instructions
lisinopril	
metformin	
pioglitazone	
warfarin	
cefoxitin	

Description	Reaction	Allergy/Severity
pericillin		Life Threatening

Condition	Recorded Time	CRCL Value
Hypertension	3/26/2009	81
Diabetes Mellitus Type II		

Severity	Type	Description
Life Threatening	Drug/Allergy	pericillin/cefoxitin - Single Drug - Order Drug From Allergy Class
Severe Potential Hazard	Drug/Condition	Hypertension/warfarin
Moderate Potential Hazard	Drug/Condition	Hypertension/cefoxitin
Moderate Potential Hazard	Drug/Condition	Hypertension/pioglitazone
Moderate Drug Interaction	Drug/Drug	warfarin interacts with cefoxitin
Moderate Drug Interaction	Drug/Drug	lisinopril interacts with metformin
Moderate Drug Interaction	Drug/Food	warfarin interacts with food
Moderate Drug Interaction	Drug/Food	lisinopril interacts with food

This patient is allergic to penicillin. cefoxitin is a(n) cephalosporin and may show allergic cross-reactivity to penicillin.

# DRUG INFORMATION

**LEXI-COMP  
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Link directly to drug monographs in Lexi-Comp® ONLINE™ from within your workflow applications or link to your hospital specific formulary.

Patient Name:  DOB: 05/02/1955 53 years Gender: Female  Is or could be pregnant

Weight: 68 kgs Height: 165 cm BSA: 2 m2

Patient Medications		Patient Allergies			Patient Conditions		Creatine Clearance	
Description	Instructions	Description	Reaction	Allergy/Severity	Condition	Recorded Time	CRCL Value	
lisinopril		penicillin		Minor	Diabetes Mellitus Type II	03/03/2009	81	
metformin					Hypertension	03/03/2009	0	
pioglitazone								
warfarin								
cefazolin								

Clinical Context:

cefazolin

Drug Food Side Effects Pregnancy Warnings Dosing Pharmacology Pa

Serious and occasionally fatal hypersensitivity reactions have been reported with antibiotics. The drug should be discontinued immediately at the first appearance of a skin rash or other signs of hypersensitivity. Severe, acute hypersensitivity reactions require treatment with epinephrine and other resuscitative measures including oxygen, intravenous fluids, antihistamines, corticosteroids, cardiovascular support and airway management as clinically indicated. Clostridium difficile associated diarrhea (CDAD) has been reported with almost all antibiotics and may potentially be life-threatening. Therefore, it is important to consider this diagnosis in patients who present with diarrhea following cephalosporin therapy. Mild cases generally respond to discontinuation of the drug, while severe cases may require supportive therapy and treatment with an antimicrobial effective against C. difficile. Hypertoxin producing strains of C. difficile cause increased morbidity and mortality; these strains can be resistant to antimicrobial treatment and may not respond to standard therapy.

## Warfarin Lexi-Drugs Online

English  English

Jump To Field (Select Field Name)

**ALERT: U.S. Boxed Warning** The FDA-approved labeling includes a boxed warning. See Warnings for a concise summary of this information. For verbatim wording of the boxed warning, consult the product labeling of this medication.

### Medication Safety Issues

Sound-alike/look-alike issues:

- Coumadin® may be confused with Avandia®, Cardura®, Compazine®, Kemadrin®
- Jantoven™ may be confused with Janumet™, Januvia™

**High alert medication:** The Institute for Safe Medication Practices (ISMP) includes this medication among its high alert medications because of the heightened risk of causing significant patient harm when used in error.

2009 National Patient Safety Goals: The Joint Commission on Accreditation of Healthcare Organizations

# DRUG INFORMATION



Build your order entry system with pre-populated common orders that identify dose, route, and frequency.

Patient Name:  DOB: 05/02/1955 53 years Gender: Female  Is or could be pregnant

Weight: 68 kgs Height: 165 cm BSA: 2 m2

Patient Medications [Add](#) [Remove](#) Patient Allergies [Add](#) [Edit](#) [Remove](#) Patient Conditions [Add](#) [Remove](#) Creatine Clearance

Description	Instructions
lisinopril	
metformin	
pioglitazone	
warfarin	
cefazolin	

Description	Reaction	Allergy/Severity
pencicillin		Minor

Condition	Recorded Time	CRCL Value
Diabetes Mellitus Type II	03/03/2009	81
Hypertension	03/03/2009	0

Recorded Time: 03/03/2009 CRCL Value: 81  
03/03/2009 0  
Dialysis:   
 Hepatic Impairment

Clinical Context **Order Entry** Dispensing

Medication: piperacillin-tazobactam 3 g-0.375 g/50 mL intravenous  Existing Order

Diagnosis:

Add to Patient Conditions

Order Type: Standard

Restrict to RXBuilder

Medication:

Dose: 3.375 gram(s)

Route: intravenously

Frequency: every 6 hours

For: 10 day(s)

**Common Orders** Dose Ranges Dosing Monograph

piperacillin-tazobactam 3  Show Local Orders

**Lexi-Comp**

3.375 g every 6 hours intravenously

# PREGNANCY RISK

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Build in complete  
coverage of  
dosing ranges.

DRUG INFORMATION

Patient Name:  DOB: 05/02/1955 53 years Gender: Female  Is or could be pregnant

Weight: 68 kgs Height: 165 cm BSA: 2 m2

Patient Medications [Add](#) [Remove](#) Patient Allergies [Add](#) [Edit](#) [Remove](#) Patient Conditions [Add](#) [Remove](#) Creatine Clearance

Description	Instructions
lisinopril	
metformin	
pioglitazone	
warfarin	
cefazolin	

Description	Reaction	Allergy/Severity
pencillin		Minor

Condition	Recorded Time	CRCL Value
Diabetes Mellitus Type II	03/03/2009	81
Hypertension	03/03/2009	0

Dialysis:   Hepatic Impairment

Clinical Context [Order Entry](#) [Dispensing](#)

Medication: piperacillin-tazobactam 3 g-0.375 g/50 mL intravenous  Existing Order

Diagnosis: Infection - Bacterial/Fungal/Protozoal/Viral   Add to Patient Conditions

Order Type: Standard   Restrict to RXBuilder

Medication:

Dose: 3.375 gram(s)

Route: intravenously

Frequency: every 6 hours

For: 10 day(s)

[Common Orders](#) [Dose Ranges](#) [Dosing Monograph](#)

Generic Product: piperacillin-tazobactam 3 g-0.375 g/50 mL intravenous solution

Dosing Context	Max Freq per day
For age the range of 1 year -18 years with a CLCR range of 20-41 by intravenous route	4
For age the range of >18 years with a CLCR range of 20-40	4
For age the range of >18 years with a CLCR range of 0-20	4
For age the range of 1 year -18 years with a CLCR range of 0-20 by intravenous route	3
For age the range of 1 year -18 years by intravenous route	4
For age the range of <6 months 3 days by intravenous route	4

Dose Type	Dose Range	Duration
daily dose range checking [metric]	168-280 mg/kg	
single dose range checking [metric]	52.5-70 mg/kg	

# DRUG INFORMATION

**LEXI-  
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Populate your prescription writer with drug images, warning labels, patient education and decision alerts.

Patient Name:  DOB: 05/02/1955 53 years Gender: Female  Is or could be pregnant

Weight: 68 kgs Height: 165 cm BSA: 2 m2

Patient Medications [Add](#) [Remove](#) Patient Allergies [Add](#) [Edit](#) [Remove](#) Patient Conditions [Add](#) [Remove](#) Creatine Clearance

Description	Instructions	Description	Reaction	Allergy/Severity	Condition	Recorded Time	CRCL Value
alprazolam	1 mg 3 times a day via oral route	penicillin		Minor	Diabetes Mellitus Type II	03/03/2009	81
lisinopril					Hypertension	<input checked="" type="checkbox"/> 03/03/2009	0
metformin					Anxiety/Stress		
pioglitazone							


Dialysis:   Hepatic Impairment

Clinical Context [Order Entry](#) [Dispensing](#)

Select Medication to Dispense: alprazolam

Name	Dose Form	Strength	Quantity	NDC	Product Name	Package Size	OBC
alprazolam	tablet	0.25 mg	4	00091332101	alprazolam 0.25 mg oral tablet, disintegrating	100	0
alprazolam	tablet, disintegrating	0.25 mg	4				
alprazolam	tablet	0.5 mg	2				
alprazolam	tablet, disintegrating	0.5 mg	2				
alprazolam	tablet, extended	0.5 mg	2				

Medication: alprazolam Instructions: 1 mg 3 times a day via oral route Alerts:

Physical Characteristics:	Warning Labels:	Unit Prices:	Severity	Type	Description									
	<ul style="list-style-type: none"> <li>Do not drink alcohol.</li> <li>Obtain advice for OTCs.</li> <li>May impair driving.</li> <li>Federal law prohibits transfer of prescription.</li> <li>Check with your doctor before becoming pregnant.</li> </ul>	<table border="1"> <thead> <tr> <th>Price Type</th> <th>Effective Date</th> <th>Price</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>09/30/21</td> <td>168.6</td> </tr> <tr> <td>W</td> <td>09/30/21</td> <td>148.37</td> </tr> </tbody> </table>	Price Type	Effective Date	Price	A	09/30/21	168.6	W	09/30/21	148.37	<ul style="list-style-type: none"> <li>Moderate Drug Interaction</li> <li>Moderate Drug Interaction</li> </ul>	<ul style="list-style-type: none"> <li>Drug/Drug</li> <li>Drug/Food</li> </ul>	<ul style="list-style-type: none"> <li>alprazolam interacts with lisinopril</li> <li>alprazolam interacts with food</li> </ul>
Price Type	Effective Date	Price												
A	09/30/21	168.6												
W	09/30/21	148.37												

Side 1: SP 321  Spanish  Full Text

Scored [Patient Education...](#) [Cancel](#) [Dispense](#)

# PREGNANCY RISK

