



IBU Order #:

1219707

Date Processed:

Jul 22 2025 13:48 PM

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Applicant	Sex	DOB	SSN	Zip	Company	Acct	Quoteback/Policy #	Requestor
Jones, Michael	M	05/10/1943	xxx-xx-0000	06001	IBU INC	MLL	1003990 / NA	

Results

Request ID
89291142
Claims-Eligibility

Eligibility Details

From	To
2010-01-01	2999-12-31

Morbidity Risk

Category	
Demographic Risk Score	2.49
Morbidity Risk Score	0.3

Potential Conditions

Condition	Provider Generated	Demographic Prevalence	Confidence	Contributing Factors
Disorders of lipoprotein metabolism and other lipidemias	False	<0.1%	92.7%	ANTIHYPERTENSIVES - HMG COA REDUCTASE INHIBITORS, DRUGS IMPACTING BLOOD, DRUGS IMPACTING THE CARDIOVASCULAR SYSTEM, PRESCRIPTION FROM GENERAL SPECIALTY
Any Endocrine Disease	False	<0.1%	92.3%	POTASSIUM SPARING DIURETICS IN COMBINATION, ANTIHYPERLIPIDEMIC - HMG COA REDUCTASE INHIBITORS, DRUGS IMPACTING THE CARDIOVASCULAR SYSTEM, DRUGS IMPACTING BLOOD
Circulatory Disease - Any	False	<0.1%	91.7%	DRUGS IMPACTING THE CARDIOVASCULAR SYSTEM, DRUGS IMPACTING BLOOD, CLARITHROMYCIN, PRESCRIPTION FROM GENERAL SPECIALTY
Essential (primary) hypertension	False	<0.1%	88.2%	DRUGS IMPACTING THE CARDIOVASCULAR SYSTEM, DRUGS IMPACTING BLOOD, ANTI-INFECTING AGENTS, CLARITHROMYCIN
Atrial fibrillation and flutter	False	<0.1%	80.2%	DIGOXIN, WARFARIN SODIUM, ENALAPRIL MALEATE, BETA-ADRENERGIC AGENTS, INHALED, SHORT ACTING
Other chronic obstructive pulmonary disease	False	<0.1%	21.5%	ENALAPRIL MALEATE, DRUGS IMPACTING THE RESPIRATORY SYSTEM, BETA-ADRENERGIC AGENTS, INHALED, SHORT ACTING, FLUTICASONE PROPIONATE

Drug Summary

Rx Cnt	Drug Label	HIC Therapeutic Class	HIC Code	Last Filled	Score	
12	LANOXIN 250 MCG TABLET	DIGITALIS GLYCOSIDES	A1A	2023-12-30	10	◆
10	ALBUTEROL 90 MCG INHALER	BETA-ADRENERGIC AGENTS, INHALED, SHORT ACTING	B6W	2023-12-30	5	▲
6	FLOVENT 220 MCG INHALER	GLUCOCORTICOID, ORALLY INHALED	B6M	2023-12-30	5	▲
6	ALDACTAZIDE 25-25 TABLET	POTASSIUM SPARING DIURETICS IN COMBINATION	R1L	2023-11-30	10	◆
6	VASOTEC 2.5 MG TABLET	ANTIHYPERTENSIVES, ACE INHIBITORS	A4D	2023-11-24	5	▲

CONFIDENTIAL: Contains data pertinent to underwriting, claims and prepared solely for that purpose.



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6	LIPITOR 10 MG TABLET	ANTIHYPERLIPIDEMIC-HMGCOA REDUCTASE INHIB(STATINS)	M4D	2023-10-05	5	▲
2	BIAXIN 500 MG TABLET	MACROLIDE ANTIBIOTICS	W1D	2023-05-21	0	●
3	COUMADIN 5 MG TABLET	ANTICOAGULANTS,COUMARIN TYPE	M9L	2023-04-30	10	◆
Total Rx Cnt: 51			Score High/Total: 10 / 50			

Prescription Detail

Drug Label	Rx Number	Qty	Days	Filled	RF #	Total RF	Prescriber	Pharmacy
ALBUTEROL 90 MCG INHALER	21013	1	30	2023-12-30	5	5	Francis J Cruse	Publix Pharmacy
	21013	1	30	2023-11-29	4	5	Francis J Cruse	Publix Pharmacy
	21013	1	30	2023-10-30	3	5	Francis J Cruse	Publix Pharmacy
	21013	1	30	2023-09-29	2	5	Francis J Cruse	Publix Pharmacy
	21013	1	30	2023-08-30	1	5	Francis J Cruse	Publix Pharmacy
	21013	1	30	2023-07-30	0	5	Francis J Cruse	Publix Pharmacy
	52068	1	30	2023-04-30	3	4		Publix Pharmacy
	52068	1	30	2023-03-31	2	4		Publix Pharmacy
	52068	1	30	2023-03-01	1	4		Publix Pharmacy
	52068	1	30	2023-01-30	0	4		Publix Pharmacy
ALDACTAZIDE 25-25 TABLET	1131	90	30	2023-11-30	2	6	Francis J Cruse	Publix Pharmacy
	1131	90	30	2023-06-14	1	6	Francis J Cruse	Publix Pharmacy
	1131	90	30	2023-05-16	5	6	Francis J Cruse	Publix Pharmacy
	1131	90	30	2023-04-12	4	6	Francis J Cruse	Publix Pharmacy
	1131	90	30	2023-03-30	0	6	Francis J Cruse	Publix Pharmacy
	1131	90	30	2023-02-14	3	6	Francis J Cruse	Publix Pharmacy
BIAXIN 500 MG TABLET	7112	40	40	2023-05-21	0	1	Francis J Cruse	Cvs Pharmacy
	35102	30	30	2023-05-14	1	1	Sheila F Lockhart	Cvs Pharmacy
	Drug-To-Drug Interactions:			2,1				
COUMADIN 5 MG TABLET	81201	60	30	2023-04-30	2	3		Publix Pharmacy
	81201	60	30	2023-03-31	1	3		Publix Pharmacy
	81201	60	30	2023-03-01	0	3		Publix Pharmacy
	Drug-To-Drug Interactions:			1				



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Drug Label	Rx Number	Qty	Days	Filled	RF #	Total RF	Prescriber	Pharmacy
FLOVENT 220 MCG INHALER	42181	1	30	2023-12-30	1	6		Publix Pharmacy
	42181	1	30	2023-11-29	0	6		Publix Pharmacy
	42181	1	30	2023-04-30	5	6		Publix Pharmacy
	42181	1	30	2023-03-31	4	6		Publix Pharmacy
	42181	1	30	2023-03-01	3	6		Publix Pharmacy
	42181	1	30	2023-01-30	2	6		Publix Pharmacy
LANOXIN 250 MCG TABLET	73231	90	90	2023-12-30	1	6		Publix Pharmacy
	73231	90	90	2023-11-29	0	6		Publix Pharmacy
	24255	30	30	2023-10-30	5	6		Publix Pharmacy
	24255	30	30	2023-09-29	4	6		Publix Pharmacy
	24255	30	30	2023-08-30	3	6		Publix Pharmacy
	24255	30	30	2023-07-30	2	6		Publix Pharmacy
	24255	30	30	2023-07-02	1	6		Publix Pharmacy
	24255	30	30	2023-06-01	0	6		Publix Pharmacy
	73231	90	90	2023-04-30	5	6		Publix Pharmacy
	73231	90	90	2023-03-31	4	6		Publix Pharmacy
	73231	90	90	2023-03-01	3	6		Publix Pharmacy
	73231	90	90	2023-01-30	2	6		Publix Pharmacy
	Drug-To-Drug Interactions:				2			
LIPITOR 10 MG TABLET	15523	60	60	2023-10-05	1	6		Publix Pharmacy
	15523	60	60	2023-08-24	0	6		Publix Pharmacy
	15523	60	60	2023-05-30	5	6		Publix Pharmacy
	15523	60	60	2023-04-17	4	6		Publix Pharmacy
	15523	60	60	2023-03-14	3	6		Publix Pharmacy
	15523	60	60	2023-01-30	2	6		Publix Pharmacy
VASOTEC 2.5 MG TABLET	1428	60	60	2023-11-24	1	6		Publix Pharmacy
	1428	60	60	2023-08-14	0	6		Publix Pharmacy



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Drug Label	Rx Number	Qty	Days	Filled	RF #	Total RF	Prescriber	Pharmacy
VASOTEC 2.5 MG TABLET	1428	60	60	2023-07-03	4	6		Publix Pharmacy
	1428	60	60	2023-05-30	2	6		Publix Pharmacy
	1428	60	60	2023-03-12	3	6		Publix Pharmacy
	1428	60	60	2023-01-15	2	6		Publix Pharmacy

Prescriber Detail

Prescriber	ID	Address	City	ST	Zip	Phone	
Sheila F Lockhart	BB2112667	482 Shipley Rd	Avon	CT	06001		
	Specialty					Score	
	Family Practice					0	●
Francis J Cruse	BH5988386	382 Valley Blvd	Canton	CT	06019	(608) 555-3883	
	Specialty					Score	
	Family Practice					0	●
General Practice					0	●	

Pharmacy Detail

Pharmacy	ID	Address	City	ST	Zip	Phone
Publix Pharmacy	65478	21 Rosedale Ln	Avon	CT	06001	(262) 555-4738
Cvs Pharmacy	1234567	57883 Friend Ln	Canton	CT	06001	(480) 555-3754

Drug Detail

Drug Label	Drug Code	Dosage Form	Strength	Route	HIC Therapeutic Class
ALBUTEROL 90 MCG INHALER	68030005101	AEROSOL (GRAM)	90 MCG	INHALATION	BETA-ADRENERGIC AGENTS, INHALED, SHORT ACTING
	Drug Add Date: 04/07/2004				
	Generic Name: albuterol		Suggested Wholesale Price:		\$0.58941
	Disease Descriptions: acute asthma attack, bronchospasm prevention, chronic obstructive pulmonary disease, exercise-induced bronchospasm prevention				
Side Effects: abnormal ECG, anaphylaxis, angina, angioedema, ataxia, back pain, chest pain, chills, cough, cramps, cramps in legs, depression, dizziness, drowsy, dry throat, dysgeusia, edema, eructation, fever, flatulence, headache disorder, hyperglycemia, hyperhidrosis, hyperkinesia, hypertension, hypokalemia, hypotension, insomnia, metabolic acidosis, migraine, mouth irritation, myocardial ischemia, nausea, nervousness, pain, pain in oropharynx, palpitations, paradoxical bronchospasm, pharyngeal edema, pharyngitis, rhinitis, skin rash, sleep disorder, sore throat, symptoms of anxiety, tachycardia, tinnitus, tremor, upper respiratory infection, urinary tract infection, urticaria, vertigo, viral gastroenteritis, voice change, vomiting, xerostomia					
ALDACTAZIDE 25-25 TABLET	00025101131	TABLET	25 MG-25MG	ORAL	POTASSIUM SPARING DIURETICS IN COMBINATION



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Drug Label	Drug Code	Dosage Form	Strength	Route	HIC Therapeutic Class
ALDACTAZIDE 25 -25 TABLET	Drug Add Date:	03/08/1990			
	Generic Name:	spironolact/hydrochlorothiazid	Suggested Wholesale Price:	Not Provided	
	Disease Descriptions: chronic heart failure, edema, edema due to hepatic cirrhosis, edema due to nephrotic syndrome, hypertension, peripheral edema due to chronic heart failure, pulmonary edema due to chronic heart failure				
	Side Effects: abdominal pain with cramps, abnormal sexual function, acute cognitive impairment, acute pancreatitis, acute respiratory distress syndrome, agranulocytosis, allergic dermatitis, alopecia, amenorrhea, anaphylaxis, anorexia, aplastic anemia, ataxia, basal cell carcinoma of skin, blurred vision, cholestatic hepatitis, choroidal effusion, constipation, cramps in legs, dehydration, diarrhea, dizziness, DRESS syndrome, drowsy, dyspnea, eosinophilia, erectile dysfunction, erythema multiforme, exfoliative dermatitis, fatigue, fever, gastric ulcer, gastritis, gastrointestinal hemorrhage, gastrointestinal irritation, general weakness, gout, gynecomastia, headache disorder, hemolytic anemia, hepatitis, hypercalcemia, hypercholesterolemia, hyperglycemia, hyperkalemia, hyperparathyroidism, hypersensitivity angitis, hypertriglyceridemia, hyperuricemia, hypocalcemia, hypochloremic alkalosis, hypokalemia, hypomagnesemia, hyponatremia, hypotension, hypovolemia, interstitial nephritis, interstitial pneumonitis, irregular menstrual periods, jaundice, kidney disease with reduction in GFR, lethargy, leukopenia, libido changes, maculopapular rash, mastalgia, menstrual disorder, muscle spasm, myopia, nausea, nephrotoxicity, nervousness, obstructive hyperbilirubinemia, orthostatic hypotension, paresthesia, postmenopausal bleeding, pruritus of skin, purpura, secondary angle-closure glaucoma, sialoadenitis, skin rash, squamous cell carcinoma of skin, Stevens-Johnson syndrome, systemic lupus erythematosus, thrombocytopenic disorder, toxic epidermal necrolysis, urticaria, vasculitis, vertigo, vomiting, xanthopsia				
BIAXIN 500 MG TABLET	58864006720	TABLET	500 MG	ORAL	MACROLIDE ANTIBIOTICS
	Drug Add Date:	04/14/2004			
	Generic Name:	clarithromycin	Suggested Wholesale Price:	\$8.43000	
	Disease Descriptions: acute bacterial maxillary sinusitis, acute bacterial otitis media, acute exacerbation obst chr bronchitis by M. catarrhalis, acute exacerbation obstr chr bronchitis S. pneumoniae, acute H. flu exacerbation of obstructive chr. bronchitis, acute maxillary Haemophilus influenzae sinusitis, acute maxillary Moraxella catarrhalis sinusitis, acute maxillary Streptococcus pneumoniae sinusitis, bacterial pneumonia, chlamydial pneumonia, chronic bronchitis with bacterial exacerbation, H. pylori gastrointestinal tract infection, Haemophilus influenzae acute otitis media, Haemophilus influenzae bronchitis, Haemophilus influenzae pneumonia, Helicobacter pylori gastritis, Legionnaires disease, leprosy, Lyme disease, Moraxella catarrhalis acute otitis media, Moraxella catarrhalis bronchitis, mycobacterium avium complex infection, mycoplasma pneumoniae, pertussis, pharyngitis due to Streptococcus pyogenes, pneumococcal pneumonia, prevention of bacterial endocarditis, prevention of Mycobacterium avium complex disease, skin and skin structure infection, skin and skin structure Strep. pyogenes infection, Staphylococcus aureus skin and skin structure infection, Streptococcus acute otitis media, Streptococcus pneumoniae bronchitis, tonsillitis due to Streptococcus pyogenes				
Side Effects: abdominal distension, abnormal hepatic function tests, acne vulgaris, acute abdominal pain, acute cognitive impairment, acute generalized exanthematous pustulosis, acute hepatic failure, acute pancreatitis, agranulocytosis, anaphylaxis, angioedema, anorexia, asthma, atrial fibrillation, bullous dermatitis, candidiasis, cardiac arrest, cellulitis, chest pain, chills, cholestasis, cholestatic hepatitis, Clostridioides difficile infection, constipation, dental discoloration, depersonalization, depression, diarrhea, dizziness, dream disorder, DRESS syndrome, drowsy, drug-induced psychosis, dysgeusia, dyskinesia, dyspepsia, eosinophilia, epistaxis, eructation, esophagitis, extrasystoles, fatigue, fever, flatulence, gastritis, gastroenteritis, gastroesophageal reflux disease, general weakness, glossitis, hallucinations, headache disorder, hearing loss, hemorrhage, hepatitis, hyperbilirubinemia, hyperhidrosis, hypersensitivity drug reaction, IgA vasculitis, insomnia, interstitial nephritis, jaundice, leukopenia, loss of sense of smell, loss of taste, malaise, manic disorder, muscle spasm, muscle weakness, myalgia, myopathy, nausea, nervousness, neuromuscular blockade, neutropenic disorder, palpitations, paresthesia, parosmia, prolonged QT interval, pruritus of skin, pulmonary thromboembolism, rectal pain, renal failure, rhabdomyolysis, seizure disorder, skin rash, Stevens-Johnson syndrome, stomatitis, symptoms of anxiety, thrombocytopenic disorder, thrombocytosis, tinnitus, tongue discoloration, torsades de pointes, toxic epidermal necrolysis, tremor, unconsciousness, urticaria, ventricular arrhythmias, ventricular tachycardia, vertigo, vomiting, xerostomia					
COUMADIN 5 MG TABLET	55289028650	TABLET	5 MG	ORAL	ANTICOAGULANTS,COUMARIN TYPE
	Drug Add Date:	08/14/1996			
	Generic Name:	warfarin sodium	Suggested Wholesale Price:	\$2.26140	
	Disease Descriptions: cerebral thromboembolism prevention, deep vein thrombosis prevention, deep vein thrombosis with pulmonary embolism, deep venous thrombosis, myocardial reinfarction prevention, prevent thromboembolism in chronic atrial fibrillation, prevent thromboembolism in rheumatic heart disease, prevention of venous thromboembolism recurrence, pulmonary thromboembolism, pulmonary thromboembolism prevention, thromboembolic disorder, thromboembolism due to prosthetic heart valves, thrombotic disorder				



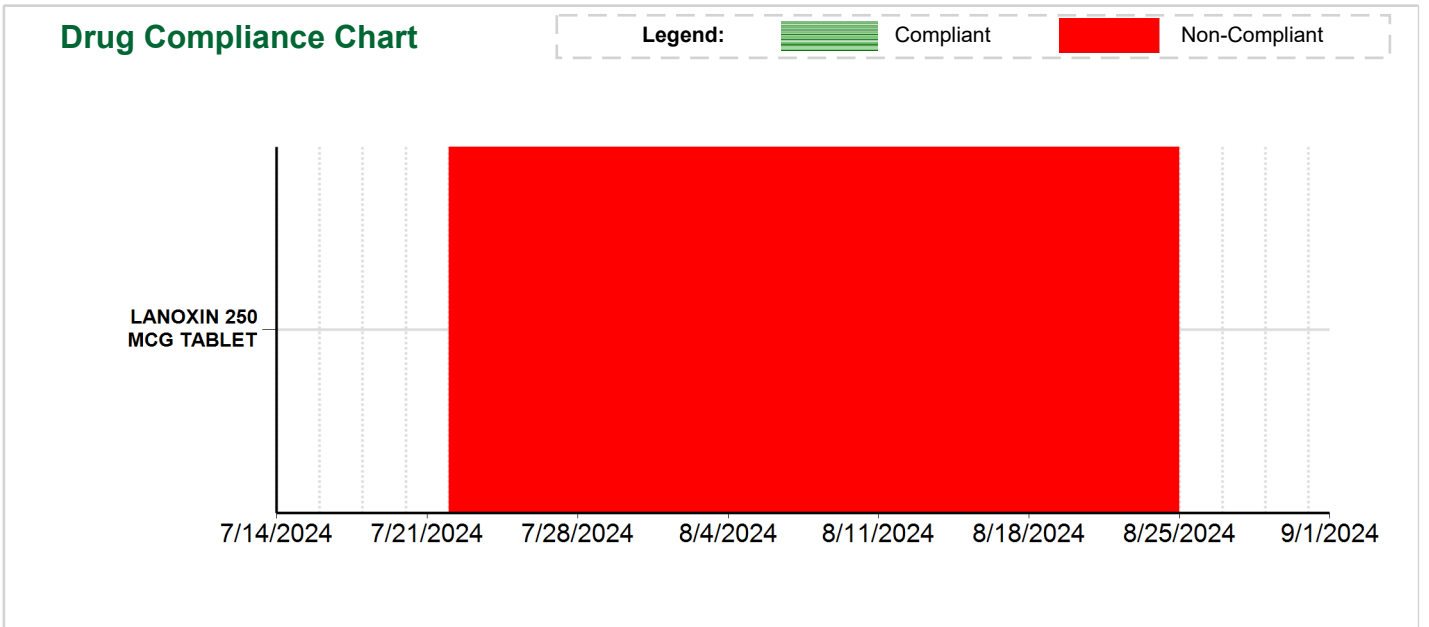
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Drug Label	Drug Code	Dosage Form	Strength	Route	HIC Therapeutic Class
COUMADIN 5 MG TABLET	<p>Side Effects: abdominal distension, abdominal pain with cramps, abnormal hepatic function tests, agranulocytosis, allergic dermatitis, alopecia, anaphylaxis, anemia, anticoagulant-related nephropathy, calcification of bronchus, calcification of trachea, calciphylaxis, chills, cholestatic hepatitis, cholesterol embolism, dermal necrosis, diarrhea, dysgeusia, fever, flatulence, gangrene, hematuria, hemorrhage, hepatitis, hypersensitivity drug reaction, intracerebral hemorrhage, jaundice, leukopenia, nausea, pallor, pruritus of skin, purpura, skin rash, tissue necrosis, urticaria, vasculitis, vomiting</p>				
FLOVENT 220 MCG INHALER	54868439200	AEROSOL WITH ADAPTER (GRAM)	220 MCG	INHALATION	GLUCOCORTICOIDS, ORALLY INHALED
	<p>Drug Add Date: 05/31/2001</p> <p>Generic Name: fluticasone propionate Suggested Wholesale Price: \$11.70615</p> <p>Disease Descriptions: eosinophilic esophagitis, maintenance therapy for asthma, severe chronic obstructive pulmonary disease</p> <p>Side Effects: adrenocortical insufficiency, aggressive behavior, agitation, anaphylaxis, angioedema, arthralgia, back pain, blurred vision, bronchitis, bruising, cataracts, central serous chorioretinopathy, cough, dental caries, dental discoloration, depression, diarrhea, dizziness, drowsy, dyspepsia, dyspnea, ecchymosis, eosinophilia, esophageal candidiasis, facial edema, fatigue, fever, glaucoma, headache disorder, hypercortisolism, hyperglycemia, hyperkinesia, hypersensitivity angitis, hypertension, hypothalamic-pituitary insufficiency, immunosuppression, influenza, insomnia, irritability, laryngitis, muscle rigidity, musculoskeletal pain, myalgia, nausea, ocular pain, oral candidiasis, osteopenia, osteoporosis, pain in oropharynx, paradoxical bronchospasm, pharyngeal candidiasis, pharyngitis, pneumonia, pruritus of skin, rhinitis, rhinorrhea, sinusitis, skin and skin structure infection, skin rash, sleep disorder, sore throat, symptoms of anxiety, thrombophlebitis, toothache, upper respiratory infection, urinary tract infection, urticaria, viral infection, voice change, vomiting, weight gain, xerostomia</p>				
LANOXIN 250 MCG TABLET	00440768630	TABLET	250 MCG	ORAL	DIGITALIS GLYCOSIDES
	<p>Drug Add Date: 10/09/2003</p> <p>Generic Name: digoxin Suggested Wholesale Price: Not Provided</p> <p>Disease Descriptions: chronic heart failure, paroxysmal supraventricular tachycardia, ventricular rate control in atrial fibrillation</p> <p>Side Effects: abnormal ECG, accidental fall, acute abdominal pain, acute cognitive impairment, allergic dermatitis, anorexia, anticholinergic toxicity, atrioventricular block, blurred vision, delirium, depression, diarrhea, digitalis toxicity, dizziness, general weakness, gynecomastia, hallucinations, headache disorder, heart block, indifference, intestinal ischemic necrosis, maculopapular rash, nausea, sinus bradycardia, skin rash, sleep disorder, symptoms of anxiety, tachyarrhythmia, thrombocytopenic disorder, ventricular fibrillation, ventricular premature beats, ventricular tachycardia, visual halos, vomiting</p>				
LIPITOR 10 MG TABLET	00071015523	TABLET	10 MG	ORAL	ANTIHYPERLIPIDEMIC-HMGCOA REDUCTASE INHIB(STATINS)
	<p>Drug Add Date: 01/21/1997</p> <p>Generic Name: atorvastatin calcium Suggested Wholesale Price: Not Provided</p> <p>Disease Descriptions: atherosclerotic cardiovascular disease, heterozygous familial hypercholesterolemia, homozygous familial hypercholesterolemia, hypercholesterolemia, hyperlipidemia, hypertriglyceridemia, increased risk of atherosclerotic cardiovascular disease, mixed hyperlipidemia, myocardial infarction prevention, prevention of cerebrovascular accident, prevention of transient ischemic attack, primary dysbetalipoproteinemia, treatment to slow progression of coronary artery disease</p> <p>Side Effects: abnormal hepatic function tests, acute abdominal pain, acute cognitive impairment, anaphylaxis, angioedema, arthralgia, blurred vision, cholestasis, depression, diarrhea, dizziness, dysgeusia, dyspepsia, epistaxis, eructation, erythema multiforme, fatigue, fever, flatulence, hepatic failure, hepatitis, hyperglycemia, immune-mediated necrotizing myopathy, increased alanine transaminase, increased aspartate transaminase, insomnia, interstitial lung disease, joint stiffness, malaise, memory impairment, muscle spasm, muscle weakness, musculoskeletal pain, myalgia, myasthenia gravis, myopathy, myositis, nausea, neck stiffness, nightmares, ocular myasthenia, pain, pancreatitis, paresthesia, peripheral neuropathy, pharyngitis, rhabdomyolysis, skin rash, sterile pyuria, Stevens-Johnson syndrome, tendon rupture, tinnitus, toxic epidermal necrolysis, urinary tract infection, urticaria, weight gain</p>				
VASOTEC 2.5 MG TABLET	00006001428	TABLET	2.5 MG	ORAL	ANTIHYPERTENSIVES, ACE INHIBITORS
	<p>Drug Add Date: 09/01/1988</p> <p>Generic Name: enalapril maleate Suggested Wholesale Price: Not Provided</p> <p>Disease Descriptions: asymptomatic left ventricular dysfunction, chronic heart failure, chronic kidney disease with albuminuria, diabetic nephropathy, hypertension, hypertension due to scleroderma, scleroderma renal crisis</p>				



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Drug Label	Drug Code	Dosage Form	Strength	Route	HIC Therapeutic Class
VASOTEC 2.5 MG TABLET					Side Effects: acute cognitive impairment, acute myocardial infarction, acute pancreatitis, acute renal failure, agranulocytosis, anaphylaxis, angioedema, anorexia, arthralgia, ataxia, atrial fibrillation, black tarry stools, blurred vision, bradycardia, bronchitis, bronchospastic pulmonary disease, chest pain, conjunctivitis, constipation, cough, cramps, depression, diarrhea, dizziness, drowsy, drug-induced hepatitis, dysgeusia, dyspepsia, dyspnea, eosinophilia, eosinophilic pneumonia, erectile dysfunction, erythema multiforme, exfoliative dermatitis, fatigue, fever, flushing, general weakness, glossitis, gynecomastia, head and neck angioedema, headache disorder, hyperhidrosis, hyperkalemia, hypotension, ileus, intestinal angioedema, laryngeal edema, leukocytosis, loss of sense of smell, myalgia, myositis, neutropenic disorder, obstructive hyperbilirubinemia, orthostatic hypotension, pemphigus, pharyngeal edema, pruritus of skin, pulmonary edema, pulmonary thromboembolism, Raynauds phenomenon, skin photosensitivity, skin rash, Stevens-Johnson syndrome, stomatitis, syncope, tachycardia, thrombocytopenic disorder, tinnitus, tongue swelling, toxic epidermal necrolysis, urticaria, vasculitis, vertigo



Drug-To-Drug Interaction Detail

Int. ID	Interaction Description	
1	Title	Selected Anticoagulants (Vit K antagonists)/Selected Macrolide Antibiotics
	Severity Level	2-Severe Interaction: Action is required to reduce the risk of severe adverse interaction.
	Mechanism of Action	Macrolide antibiotics may inhibit the metabolism of anticoagulants.
	Clinical Effects	Concurrent use of a macrolide antibiotic may result in increased effects of the anticoagulant with possible elevated INR and/or bleeding.
	Predisposing Factors	Poor nutrition, fever, larger macrolide doses, and older age. The risk for bleeding episodes may be greater in patients with disease-associated factors (e.g. thrombocytopenia). Drug associated risk factors include concurrent use of multiple drugs which inhibit anticoagulant/antiplatelet metabolism and/or have an inherent risk for bleeding (e.g. NSAIDs).



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	Patient Management	Closely monitor INR values in patients maintained on anticoagulants in whom macrolide antibiotics are initiated or discontinued. The dose of the anticoagulant may need to be adjusted. If concurrent therapy is warranted, monitor patients receiving concurrent therapy for signs of blood loss, including decreased hemoglobin, hematocrit, fecal occult blood, and/or decreased blood pressure and promptly evaluate patients with any symptoms. When applicable, perform agent-specific laboratory test (e.g. INR, aPTT) to monitor efficacy and safety of anticoagulation. Discontinue anticoagulation in patients with active pathologic bleeding. Instruct patients to report any signs and symptoms of bleeding, such as unusual bleeding from the gums or nose; unusual bruising; red or black, tarry stools; red, pink or dark brown urine; acute abdominal or joint pain and/or swelling. The time of highest risk for a coumarin-type drug interaction is when the precipitant drug is initiated or discontinued. Contact the prescriber before initiating, altering the dose, or discontinuing either drug.
2	Title	Digoxin, Oral/Macrolide Antibiotics
	Severity Level	2-Severe Interaction: Action is required to reduce the risk of severe adverse interaction.
	Mechanism of Action	Macrolides may alter the bacterial flora in the GI tract, increasing the bioavailability of digoxin. Some macrolides may inhibit the transport of digoxin by p-glycoprotein in the intestines and kidneys.
	Clinical Effects	Digoxin serum levels may be elevated (up to 2-fold), producing increased therapeutic and adverse effects. Symptoms of digoxin toxicity can include anorexia, nausea, vomiting, headache, fatigue, malaise, drowsiness, generalized muscle weakness, disorientation, hallucinations, visual disturbances, and arrhythmias. The effects of macrolides on the GI flora may persist for several months.
	Predisposing Factors	The increase in serum levels is greatest with those digoxin products with the lowest bioavailability and may not be clinically significant in patients taking digoxin elixir. Low body weight, advanced age, impaired renal function, hypokalemia, hypercalcemia, and/or hypomagnesemia may increase the risk of digoxin toxicity.
	Patient Management	Monitor digoxin serum levels during concurrent macrolide therapy and adjust the dose as needed. The dosage of digitalis glycoside may need to be decreased by 30-50% or the frequency of administration may be reduced.