



MARILYN TAVENNER

IMPLEMENTING HEALTH REFORM

Closing the Doughnut Hole

One of the first provisions of the Patient Protection and Affordable Care Act to take effect is the \$250 rebate for Medicare beneficiaries who fall into the Part D doughnut hole. The rebates,

which started going out in June, are part of a multiyear effort to trim drug costs for seniors and other Medicare beneficiaries.

Next year, patient cost sharing for brand-name drugs will be cut in half, and the doughnut hole will be closed completely by 2020.

Just as checks started hitting seniors' mailboxes, the administration launched a \$1 million radio ad campaign to help

patients protect themselves from scams targeted at the new benefits.

Marilyn Tavenner, acting administrator at the Centers for Medicare and Medicaid Services, answered questions about how the new benefit will be implemented.

CARDIOLOGY NEWS: How many Medicare beneficiaries will fall into the doughnut hole this year? Will they all get checks this summer?

Ms. Tavenner: About 8 million Medicare beneficiaries are expected to reach the prescription drug coverage gap that we call the doughnut hole this year. Of those, 4 million will be eligible to get a tax-free, one-time rebate check. The remaining beneficiaries already receive assistance through Medicare Extra Help. Beneficiaries who hit this coverage gap do not need to fill out any form, or make any phone call, to receive this benefit under the Affordable Care Act. The \$250 rebate checks will be mailed automatically to seniors' homes from Medicare when they enter the doughnut hole. Checks will be sent each month throughout this year as more beneficiaries enter the coverage gap.

CN: Will the \$250 rebate have a significant impact on patients' out-of-pocket drug costs this year?

Ms. Tavenner: The rebate is immediate relief that marks the first step in completely eliminating the doughnut hole. This year's rebate will help put money back in the pockets of seniors who are too often forced to choose between paying for their groceries or for their medications. Next year, seniors who reach the coverage gap will get a 50% discount on brand-name drugs that will help reduce their costs. In addition, under the new law, the actual coverage gap will shrink each year until it completely disappears in 2020.

CN: Physicians in all specialties spend a lot of time helping patients find affordable medications. How will these changes decrease the burden on doctors?

Ms. Tavenner: Physicians are on the front lines in helping seniors obtain effective, affordable medications. Closing the coverage gap and making care more affordable will help Medicare beneficiaries get the care they need and deserve.

Starting next year, patients with Medicare can get free preventive care services such as colorectal cancer screening and mammograms. Medicare also will cover an annual physical, so patients can work with their physicians to develop a personal prevention plan based on current health needs.

CN: How can physicians help their patients take advantage of this new benefit?

Ms. Tavenner: Doctors can continue to help their patients by educating them about the Affordable Care Act so they can take full advantage of its benefits. If patients have questions on their rebate checks, they can call 1-800-Medicare or visit www.medicare.gov. For updates on the health reform law as it is implemented, they can visit www.healthreform.gov.

Fraud-fighting tips can be found at www.stopmedicarefraud.gov. We are working with the Department of Justice to crack down on scam artists. Patients should never give their Medicare ID numbers to anyone promising benefits. ■

MARILYN TAVENNER previously served as secretary of health and human resources for Virginia. In her role at the CMS, she will be responsible for implementing many elements of the new health reform law.

BYSTOLIC® (nebulivolol) tablets Brief Summary of full Prescribing Information Initial U.S. Approval: 2007

Rx Only

INDICATIONS AND USAGE: Hypertension - BYSTOLIC is indicated for the treatment of hypertension [see Clinical Studies (14.1)]. BYSTOLIC may be used alone or in combination with other antihypertensive agents [see Drug Interactions (7)].

CONTRAINDICATIONS: BYSTOLIC is contraindicated in the following conditions: Severe bradycardia; Heart block greater than first degree; Patients with cardiogenic shock; Decompensated cardiac failure; Sick sinus syndrome (unless a permanent pacemaker is in place); Patients with severe hepatic impairment (Child-Pugh >B); Patients who are hypersensitive to any component of this product.

WARNINGS AND PRECAUTIONS: Abruption Cessation of Therapy - Do not abruptly discontinue BYSTOLIC therapy in patients with coronary artery disease. Severe exacerbation of angina, myocardial infarction and ventricular arrhythmias have been reported in patients with coronary artery disease following the abrupt discontinuation of therapy with β -blockers. Myocardial infarction and ventricular arrhythmias may occur with or without preceding exacerbation of the angina pectoris. Caution patients without overt coronary artery disease against interruption or abrupt discontinuation of therapy. As with other β -blockers, when discontinuation of BYSTOLIC is planned, carefully observe and advise patients to minimize physical activity. Taper BYSTOLIC over 1 to 2 weeks when possible. If the angina worsens or acute coronary insufficiency develops, restart BYSTOLIC promptly, at least temporarily. **Angina and Acute Myocardial Infarction** - BYSTOLIC was not studied in patients with angina pectoris or who had a recent MI. **Bronchospastic Diseases** - In general, patients with bronchospastic diseases should not receive β -blockers. **Anesthesia and Major Surgery** - Because beta-blocker withdrawal has been associated with an increased risk of MI and chest pain, patients already on beta-blockers should generally continue treatment throughout the perioperative period. If BYSTOLIC is to be continued perioperatively, monitor patients closely when anesthetic agents which depress myocardial function, such as ether, cyclopropane, and trichloroethylene, are used. If β -blocking therapy is withdrawn prior to major surgery, the impaired ability of the heart to respond to reflex adrenergic stimuli may augment the risks of general anesthesia and surgical procedures. The β -blocking effects of BYSTOLIC can be reversed by β -agonists, e.g., dobutamine or isoproterenol. However, such patients may be subject to protracted severe hypotension. Additionally, difficulty in restarting and maintaining the heartbeat has been reported with β -blockers. **Diabetes and Hypoglycemia** - β -blockers may mask some of the manifestations of hypoglycemia, particularly tachycardia. Nonselective β -blockers may potentiate insulin-induced hypoglycemia and delay recovery of serum glucose levels. It is not known whether nebulivolol has these effects. Advise patients subject to spontaneous hypoglycemia and diabetic patients receiving insulin or oral hypoglycemic agents about these possibilities. **Thyrotoxicosis** - β -blockers may mask clinical signs of hyperthyroidism, such as tachycardia. Abrupt withdrawal of β -blockers may be followed by an exacerbation of the symptoms of hyperthyroidism or may precipitate a thyroid storm. **Peripheral Vascular Disease** - β -blockers can precipitate or aggravate symptoms of arterial insufficiency in patients with peripheral vascular disease. **Non-dihydropyridine Calcium Channel Blockers** - Because of significant negative inotropic and chronotropic effects in patients treated with β -blockers and calcium channel blockers of the verapamil and diltiazem type, monitor the ECG and blood pressure in patients treated concomitantly with these agents. **Use with CYP2D6 Inhibitors** - Nebulivolol exposure increases with inhibition of CYP2D6 [see Drug Interactions (7)]. The dose of BYSTOLIC may need to be reduced. **Impaired Renal Function** - Renal clearance of nebulivolol is decreased in patients with severe renal impairment. BYSTOLIC has not been studied in patients receiving dialysis [see Clinical Pharmacology (12.4) and Dosage and Administration (2.1)]. **Impaired Hepatic Function** - Metabolism of nebulivolol is decreased in patients with moderate hepatic impairment. BYSTOLIC has not been studied in patients with severe hepatic impairment [see Clinical Pharmacology (12.4) and Dosage and Administration (2.1)]. **Risk of Anaphylactic Reactions** - While taking β -blockers, patients with a history of severe anaphylactic reactions to a variety of allergens may be more reactive to repeated accidental, diagnostic, or therapeutic challenge. Such patients may be unresponsive to the usual doses of epinephrine used to treat allergic reactions. **Pheochromocytoma** - In patients with known or suspected pheochromocytoma, initiate an α -blocker prior to the use of any β -blocker.

ADVERSE REACTIONS: Clinical Studies Experience - BYSTOLIC has been evaluated for safety in patients with hypertension and in patients with heart failure. The observed adverse reaction profile was consistent with the pharmacology of the drug and the health status of the patients in the clinical trials. Adverse reactions reported for each of these patient populations are provided below. Excluded are adverse reactions considered too general to be informative and those not reasonably associated with the use of the drug because they were associated with the condition being treated or are very common in the treated population. The data described below reflect worldwide clinical trial exposure to BYSTOLIC in 6545 patients, including 5038 patients treated for hypertension and the remaining 1507 subjects treated for other cardiovascular diseases. Doses ranged from 0.5 mg to 40 mg. Patients received BYSTOLIC for up to 24 months, with over 1900 patients treated for at least 6 months, and approximately 1300 patients for more than one year. **HYPER-TENSION:** In placebo-controlled clinical trials comparing BYSTOLIC with placebo, discontinuation of therapy due to adverse reactions was reported in 2.8% of patients treated with nebulivolol and 2.2% of patients given placebo. The most common adverse reactions that led to discontinuation of BYSTOLIC were headache (0.4%), nausea (0.2%) and bradycardia (0.2%). **Table 1** lists treatment-emergent adverse reactions that were reported in three 12-week, placebo-controlled monotherapy trials involving 1597 hypertensive patients treated with either 5 mg, 10 mg, or 20-40 mg of BYSTOLIC and 205 patients given placebo and for which the rate of occurrence was at least 1% of patients treated with nebulivolol and greater than the rate for those treated with placebo in at least one dose group. **Table 1.** Treatment-Emergent Adverse Reactions with an Incidence (over 6 weeks) $\geq 1\%$ in BYSTOLIC-Treated Patients and at a Higher Frequency than Placebo-Treated Patients are listed below in the following order: System Organ Class Preferred Term [Placebo (n = 205), Nebulivolol 5 mg (n = 459), Nebulivolol 10 mg (n = 461), Nebulivolol 20-40 mg (n = 677)] **Cardiac Disorders:** Bradycardia (0, 0, 0, 1); **Cardiac Disorders:** Diarrhea (2, 2, 2, 3); Nausea (0, 1, 3, 2); **General Disorders:** Fatigue (1, 2, 2, 5); Chest pain (0, 0, 1, 1); Peripheral edema (0, 1, 1, 1); **Nervous System Disorders:** Headache (6, 9, 6, 7); Dizziness (2, 2, 3, 4); **Psychiatric Disorders:** Insomnia (0, 1, 1, 1); **Respiratory Disorders:** Dyspnea (0, 0, 1, 1); **Skin and Subcutaneous Tissue Disorders:** Rash (0, 0, 1, 1). Listed below are other reported adverse reactions with an incidence of at least 1% in the more than 4300 patients treated with BYSTOLIC in controlled or open-label trials except for those already appearing in **Table 1**, terms too general to be informative, minor symptoms, or adverse reactions unlikely to be attributable to drug because they are common in the population. These adverse reactions were in most cases observed at a similar frequency in placebo-treated patients in the controlled studies. **Body as a Whole:** asthenia. **Gastrointestinal System Disorders:** abdominal pain. **Metabolic and Nutritional Disorders:** hypercholesterolemia. **Nervous System Disorders:** paraesthesia. **Laboratory Abnormalities** - In controlled monotherapy trials of hypertensive patients, BYSTOLIC was associated with an increase in BUN, uric acid, triglycerides and a decrease in HDL cholesterol and platelet count. **Postmarketing Experience** - The following adverse reactions have been identified from spontaneous reports of BYSTOLIC received worldwide and have not been listed elsewhere.

These adverse reactions have been chosen for inclusion due to a combination of seriousness, frequency of reporting or potential causal connection to BYSTOLIC. Adverse reactions common in the population have generally been omitted. Because these adverse reactions were reported voluntarily from a population of uncertain size, it is not possible to estimate their frequency or establish a causal relationship to BYSTOLIC exposure: abnormal hepatic function (including increased AST, ALT and bilirubin), acute pulmonary edema, acute renal failure, atrioventricular block (both second- and third-degree), bronchospasm, erectile dysfunction, hypersensitivity (including urticaria, allergic vasculitis and rare reports of angioedema), myocardial infarction, pruritus, psoriasis, Raynaud's phenomenon, peripheral ischemia/claudecaudation, somnolence, syncope, thrombocytopenia, various rashes and skin disorders, vertigo, and vomiting.

DRUG INTERACTIONS: CYP2D6 Inhibitors - Use caution when BYSTOLIC is co-administered with CYP2D6 inhibitors (quinidine, propafenone, fluoxetine, paroxetine, etc.) [see Clinical Pharmacology (12.5)]. **Hypotensive Agents** - Do not use BYSTOLIC with other β -blockers. Closely monitor patients receiving catecholamine-depleting drugs, such as reserpine or guanethidine, because the added β -blocking action of BYSTOLIC may produce excessive reduction of sympathetic activity. In patients who are receiving BYSTOLIC and clonidine, discontinue BYSTOLIC for several days before the gradual tapering of clonidine. **Digitalis Glycosides** - Both digitalis glycosides and β -blockers slow atrioventricular conduction and decrease heart rate. Concomitant use can increase the risk of bradycardia. **Calcium Channel Blockers** - BYSTOLIC can exacerbate the effects of myocardial depressants or inhibitors of AV conduction, such as certain calcium antagonists (particularly of the phenylalkylamine [verapamil] and benzothiazepine [diltiazem] classes), or antiarrhythmic agents, such as disopyramide.

USE IN SPECIFIC POPULATIONS: Pregnancy: Teratogenic Effects, Category C - Decreased pup body weights occurred at 1.25 and 2.5 mg/kg in rats, when exposed during the perinatal period (late gestation, parturition and lactation). At 5 mg/kg and higher doses (1.2 times the MRHD), prolonged gestation, dystocia and reduced maternal care were produced with corresponding increases in late fetal deaths and stillbirths and decreased birth weight, live litter size and pup survival. Insufficient numbers of pups survived at 5 mg/kg to evaluate the offspring for reproductive performance. In studies in which pregnant rats were given nebulivolol during organogenesis, reduced fetal body weights were observed at maternally toxic doses of 20 and 40 mg/kg/day (5 and 10 times the MRHD), and small reversible delays in sternal and thoracic ossification associated with the reduced fetal body weights and a small increase in resorption occurred at 40 mg/kg/day (10 times the MRHD). No adverse effects on embryo-fetal viability, sex, weight or morphology were observed in studies in which nebulivolol was given to pregnant rabbits at doses as high as 20 mg/kg/day (10 times the MRHD). **Labor and Delivery** - Nebulivolol caused prolonged gestation and dystocia at doses ≥ 5 mg/kg in rats (1.2 times the MRHD). These effects were associated with increased fetal deaths and stillborn pups, and decreased birth weight, live litter size and pup survival rate, events that occurred only when nebulivolol was given during the perinatal period (late gestation, parturition and lactation). No studies of nebulivolol were conducted in pregnant women. Use BYSTOLIC during pregnancy only if the potential benefit justifies the potential risk to the fetus. **Nursing Mothers** - Studies in rats have shown that nebulivolol or its metabolites cross the placental barrier and are excreted in breast milk. It is not known whether this drug is excreted in human milk. Because of the potential for β -blockers to produce serious adverse reactions in nursing infants, especially bradycardia, BYSTOLIC is not recommended during nursing. **Pediatric Use** - Safety and effectiveness in pediatric patients have not been established. Pediatric studies in ages newborn to 18 years old have not been conducted because of incomplete characterization of developmental toxicity and possible adverse effects on long-term fertility [see Nonclinical Toxicology (13.1)]. **Geriatric Use** - Of the 2800 patients in the U.S.-sponsored placebo-controlled clinical hypertension studies, 478 patients were 65 years of age or older. No overall differences in efficacy or in the incidence of adverse events were observed between older and younger patients. **Heart Failure** - In a placebo-controlled trial of 2128 patients (1067 BYSTOLIC, 1061 placebo) over 70 years of age with chronic heart failure receiving a maximum dose of 10 mg per day for a median of 20 months, no worsening of heart failure was reported with nebulivolol compared to placebo. However, if heart failure worsens consider discontinuation of BYSTOLIC.

OVERDOSAGE: In clinical trials and worldwide postmarketing experience there were reports of BYSTOLIC overdose. The most common signs and symptoms associated with BYSTOLIC overdose are bradycardia and hypotension. Other important adverse reactions reported with BYSTOLIC overdose include cardiac failure, dizziness, hypoglycemia, fatigue and vomiting. Other adverse reactions associated with β -blocker overdose include bronchospasm and heart block. The largest known ingestion of BYSTOLIC worldwide involved a patient who ingested up to 500 mg of BYSTOLIC along with several 100 mg tablets of acetylsalicylic acid in a suicide attempt. The patient experienced hyperhidrosis, pallor, depressed level of consciousness, hypokinesia, hypotension, sinus bradycardia, hypoglycemia, hypokalemia, respiratory failure, and vomiting. The patient recovered. Because of extensive drug binding to plasma proteins, hemodialysis is not expected to enhance nebulivolol clearance. If overdose occurs, provide general supportive and specific symptomatic treatment. Based on expected pharmacologic actions and recommendations for other β -blockers, consider the following general measures, including stopping BYSTOLIC, when clinically warranted: **Bradycardia:** Administer IV atropine. If the response is inadequate, isoproterenol or another agent with positive chronotropic properties may be given cautiously. Under some circumstances, transthoracic or transvenous pacemaker placement may be necessary. **Hypotension:** Administer IV fluids and vasopressors. Intravenous glucagon may be useful. **Heart Block (second- or third-degree):** Monitor and treat with isoproterenol infusion. Under some circumstances, transthoracic or transvenous pacemaker placement may be necessary. **Congestive Heart Failure:** Initiate therapy with digitalis glycosides and diuretics. In certain cases, consider the use of inotropic and vasodilating agents. **Bronchospasm:** Administer bronchodilator therapy such as a short-acting inhaled β_2 -agonist and/or aminophylline. **Hypoglycemia:** Administer IV glucose. Repeated doses of IV glucose or possibly glucagon may be required. Supportive measures should continue until clinical stability is achieved. The half-life of low doses of nebulivolol is 12-19 hours. Call the National Poison Control Center (800-222-1222) for the most current information on β -blocker overdose treatment.

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