EHR REPORT Your Second EHR: Is It Time to Make a Change?

BY CHRISTOPHER NOTTE, M.D., AND NEIL SKOLNIK, M.D.

ith the promise of cash incentives through the American Recovery and Reinvestment Act of 2009 (ARRA), it is not surprising that many practices are finally making the jump into an electronic health record. As we've covered in prior columns, selecting and purchasing an EHR can be an overwhelming and expensive undertaking. Making the right choice of products the first time is critical, and no practice wants to have to do it twice.

In spite of this, many offices that chose to adopt an EHR in the past few years are now faced with a serious dilemma: Will their current software meet the demands of tomorrow's medicine? And (almost more important) will it qualify for the government financial incentives?

Electronic health records were around long before ARRA was ever conceived, and there are hundreds of products available that claim to be fully functional EHRs. Previously, the standard for determining the quality of an EHR was approval by the Certification Commission for Health Information Technology (CCHIT). Most serious EHR vendors have pursued this designation in order to stand out among competing products. But to qualify for the financial incentives under the ARRA rules, an entirely different certification process has been proposed by the Department of Health and Human Services.

Many EHR vendors claim they will qualify under the new requirements, even though at the time of writing the certification process has not officially begun. Once it does, testing and approval will be fairly costly. This may prohibit smaller vendors from pursuing approval, and likely means that the next few years will see many companies going out of business or merging with larger entities. Practices already owning one of these products may find that the software is no longer supported or updated and will not meet criteria for the proposed incentives.

It may seem that upgrading to a new system is the only option, and many wonder when the best time is to switch.

Within the next few months, many EHR products will become officially certified under the new rules. Until that point, it probably would be unwise for any practice that already has an EHR installed to make the switch to a new one.

An initial strategy for these practices would be to contact their EHR vendor to find out if the company plans on pursuing the new certification. If so, will the currently installed version of the software meet the meaningful use requirements, or will a costly upgrade be required to qualify? If updates need to be made to the existing software for certification, when are those changes expected? Will the software changes also require an investment in new computer hardware or network infrastructure?

Depending on the answers to these questions, the cost of staying with the existing EHR may be similar to investing in an entirely new one.

In the meantime, it is helpful to note that the final rule on the temporary certification program has addressed a few lingering concerns related to existing electronic record installations. First, "grandfathering" of current EHR products will not be permitted, regardless of product age, unless these products submit to the new certification standards and are approved. Vendors cannot rely on previous standards such as CCHIT approval or the size of their user base to demonstrate usefulness or value.

Second, so-called "homebrew" EHRs developed by individual practices or hospital systems also will not qualify for the incentives unless they undergo certification. These proprietary systems may be incredibly robust and represent a large financial and labor investment, so it will be up to the administrators to determine if it is worth pursuing certification to continue using them to achieve meaningful use.

Once any practice decides it is time to make a change to a different EHR, the process should be handled much like starting from scratch. As mentioned in prior columns, good practices include selecting a transition team, reevaluating office workflow, and creating buy-in from care providers and office staff.

One significant difference is considering a system that can accept data from your current EHR. Unfortunately, this may be challenging to find, because there has been little standardization in the industry up to this point. Previously scanned letters and reports may be fairly easy to transfer, while demographic data and electronically generated notes may be impossible. Be sure to discuss this with the software vendor and consider the time investment required for the transition. If this all seems too overwhelming, consider hiring a consultant.

Anyone who has ever purchased a personal computer is aware that technology changes rapidly and that the need to upgrade is inevitable. Purchasing a new electronic record, however, is not like upgrading a computer.

Aside from the huge cost difference, potential labor and productivity losses can be staggering. Since the process of conversion to a different EHR may be more difficult and time consuming than the initial move from paper to electronic charts, a tremendous amount of thought must be given before making any changes, as the costs of making the wrong decision may outweigh any financial incentives.



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New York State Mandates Counseling of Terminally Ill

BY ALICIA AULT

A new law requiring New York physicians to discuss palliative care and end-of-life options with terminally ill patients is well intentioned, but may not do much to change clinical practice or institutional culture, according to some observers in the state.

The New York Palliative Care Information Act was signed into law by Gov. David Paterson (D) in August. Perhaps as a sign that palliative care is being embraced more readily and becoming better understood, it took just 14 months from the bill's introduction in the state Senate (S. 4498 and A. 7617) to its signing.

Even so, "whether or not it will change behavior is a bit of a black box," said Dr. Bradley Flansbaum, director of hospitalist services at Lenox Hill Hospital in New York. "It's a nice thought, but I don't know how they're going to put it into effect."

Under the law, physicians and nurse practitioners are required to provide a patient who has less than 6 months to live with information and counseling on palliative care and end-of-life options, including, "the range of options appropriate to the patient, the prognosis, risks and benefits of the various options, and the patient's legal rights to comprehensive pain and symptom management at the end of life."

The physician or nurse practitioner can refer the patient to another provider who is willing to meet the legal statute or who is "professionally qualified" to offer the services.

There is no reimbursement offered for the required services.

Because it is an amendment to the state's public health law, violations of the new law could result in penalties or fines. It's not clear how it will be enforced or what might trigger the penalties; the health department has until the law's effective date (February 2011) to devise regulations, said David Leven, executive director of Compassion and Choices of New York.

That advocacy group helped devise the proposal and then shepherded it through



"I don't know how they're going to put it into effect," said Dr. Bradley Flansbaum.

the legislature, said Mr. Leven. California has a similar statute, but is not as strong because it does not put the onus on physicians, he said.

The organization sought the legisla-

tion because even with increased training on end-of-life issues, too few physicians are having conversations with their dying patients, Mr. Leven said. That means patients' wishes are not being respected, to the detriment of both patients and the practice of medicine.

The organization also hoped that the law would be a catalyst to improving end-of-life education in medical school and at the professional level, he said.

Dr. Wendy Edwards, director of the palliative medicine program at Lenox Hill, said that education would be a key component, but there appeared to be no such formal requirements in the law. About 15 years ago, she was part of a group that attempted to get a bill passed to mandate the teaching of palliative care in medical schools, but it did not get anywhere.

She said she wasn't sure that the new law was the way to increase attention to palliative care, but that it had likely come about as a result of frustration and impatience on the part of palliative specialists. *Continued on following page*

Continued from previous page

The law will be positive, however, she said. Palliative care won't just be the standard of care, but will be the law, which gives some backing to hospitals that seek to implement and strengthen their quality of care, and end-of-life care in particular.

But it still will not make it easier for physicians who do not have experience in palliative care, Dr. Edwards said. "It's a very hard discussion to have; it's not something doctors are trained to do."

A recent study in non-small cell lung

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BRIEF SUMMARY. See package insert for full Prescribing Information. For further product information and current package insert, please visit www.wyeth.com or call our medical communications department toil-free at 1-800-934-5556.

WARNING: Suicidality and Antidepressant Drugs Antidepressants increased the risk compared to placebo of suicidal thinking and behavio (suicidality) in children, adolescents, and young adults in short-term studies of Major Depressiv Disorder (MDD) and other psychiatric disorders. Anyone considering the use of Pristiq or any othe antidepressant in a child, adolescent, or young adult must balance this risk with the clinical need antidepressant in a child, adolescent, or young adult must balance this risk with the clinical need Short-term studies did not show an increase in the risk of suicidality with antidepressants compared to placebo in adults beyond age 24; there was a reduction in risk with antidepressant compared to placebo in adults aged 65 and older. Depression and certain other psychiatric disorders are themselves associated with increases in the risk of suicide. Patients of all ages who are started on antidepressant therapy should be monitored appropriately and observed closely for clinical worsening, suicidality, or unusual changes in behavior. Families and caregivers should be advised of the need for close observation and communication with the prescriber. Pristig is not approved for use in peritaric nations. *Lese Warnings and Presentions* (51). *Use in Specific* approved for use in pediatric patients [see Warnings and Precautions (5.1), Use in Sp Populations (8.4), and Patient Counseling Information (17.1 in the full prescribing information

INDICATIONS AND USAGE: Pristiq, a selective serotonin and norepinephrine reuptake inhibitor (SNRI), is indicated for the treatment of major depressive disorder (MDD).

Is indicated for the treatment of major depressive disorder (MDU). **CONTRAINDICATIONS: Hypersensitivity**-Hypersensitivity to desvenlafaxine succinate, venlafaxine hydrochloride or to any excipients in the Pristiq formulation. **Monoamine Oxidase Inhibitors**-Pristiq must not be used concomitantly in patients taking monoamine oxidase inhibitors (MAOIs) or in patients with have taken MAOIs within the preceding 14 days due to the risk of serious, sometimes fatal, drug interactions with SNRI or SSRI treatment or with other seriotnergic drugs. Based on the half-life of desvenlafaxine, at least 7 days should be allowed after stopping Pristiq before starting an MAOI [see Dosage and Administration (2.5) in the full areacifibing information] in the full prescribing information

WARNINGS AND PRECAUTIONS: Clinical Worsening and Suicide Risk-Patients with major depressive disorder (MDD), both adult and pediatric, may experience worsening of their depression and/or the emergence of suicidal ideation and behavior (suicidality) or unusual changes in behavior, whether or not they are taking antidepressant medications, and this risk may persist until significant remission occurs. Suicide is a known risk of depression and certain other psychiatric disorders, and these disorders themselves are the strongest predictors of suicide. There has been a long-standing concern, however, that antidepressants may have a role in inducing worsening of depression and the emergence of suicidality in certain patients during the early phases of treatment. Pooled analyses of short-term placebo-controlled studies of antidepressant drugs (SSRIs and others) showed that these drugs increase the risk of suicidal thinking and behavior (suicidality) in children, adolescents, and young adults (ages 18-24) with major depressive disorder (MDD) and other psychiatric disorders. Short-term studies did not show an increase in the risk of suicidality with antidepressants compared to placebo in adults beyond aque 24; there was a WARNINGS AND PRECAUTIONS: Clinical Worsening and Suicide Risk-Patients with major depredepressive disorder (MDD) and other psychiatric disorders. Short-term studies did not show an increase in the risk of suicidality with antidepressants compared to placebo in adults beyond age 24; there was a reduction with antidepressants compared to placebo in adults beyond adults beyond age 24; there was a placebo-controlled studies in children and adolescents with MDD, obsessive-compulsive disorder (ICDD), or other psychiatric disorders included a total of 24 short-term studies of 9 antidepressant drugs in over 4,400 patients. The pooled analyses of placebo-controlled studies in adults with MDD or other psychiatric disorders included a total of 25 short-term studies (media duration of 2 months) of 11 antidepressant drugs in over 77,000 patients. There was considerable variation in risk of suicidality among drugs, but a tendency toward an increase in the younger patients for almost all drugs studied. There were differences in absolute risk of suicidality across the different indications, with the highest incidence in MDD. The risk differences (drug us placebo), however, were relatively cathe within an extrat and across indications. trades in over 77,000 patients. Intere was considerable variation in risk or subcidality among rougs, but a tendency toward an increase in the younger patients for almost all drugs studied. There were differences in absolute risk of suicidality across the different indications, with the highest incidence in MDD. The risk differences (drug vs. placebo), however, were relatively stable within age strata and across indications. These risk differences (drug-placebo) difference in the number of cases of suicidality per 1000 patients treated) are provided in Table 1 of the full prescribing information. No suicides occurred in any of the pediatric studies. There were suicides in the adult studies, but the number was not sufficient to reach any conclusion about drug effect on suicide. It is unknown whether the suicidality risk extends to longer-term use, ie, beyond several months. However, there is substantial evidence from placebo-controlled maintenance studies in adults with depression that the use of antidepressants can delay the recurrence of depression. All patients being treated with antidepressants for any indication should be monitored appropriately and observed closely for clinical worsening, suicidality, and unusual changes in behavior, especially during the initial few months of a course of drug therapy, or attacks, insomnia, irritability, hostility, aggressiveness, impulsivity, akathisia (psychomotor restiesness), hypomania, and mania, have been reported in adult and pediatric patients being treated with antidepressants for major depressive disorder as well as for other indications, both psychiatric and nonpsychiatric. Atthough a causal link between the emergence of such symptoms and either the worsening of depression and/or the emergence of sucidal impulses has not been established, there is concern that such symptoms may represent precursors to emerging suicidality. Consideration, in patients whose depression is persistently worse, or who are experiencing emergent suicidality. Consideration should be abup unougn not established in control studies) that use any sourt an episode with an antidopressant abute may increase the likelihood of precipitation of a mixed/manic episode in patients at risk for bipolar disorder Whether any of the symptoms described above represent such a conversion is unknown. However, prior to initiating treatment with an antidepressant, patients with depressive symptoms should be adequately screened to determine if they are at risk for bipolar disorder; such screening should include a detailed Whether and 0 meshiputin an antidepressant, patients with depressive symptoms should be adequately screened to determine if they are at risk for bipolar disorder, such screening should include a detailed psychiatric history, including a family history of suicide, bipolar disorder, and depression. It should be noted that Pristiq is not approved for use in treating bipolar depression. **Scrotonin Syndrome or Neuroleptic Malignant Syndrome (NMS)**-like **Reactions**- The development of a potentially life-threatening scrotonin syndrome or Neuroleptic Malignant Syndrome (NMS)-like reactions have been reported with SNRIs and SSRIs alone, including Pristiq treatment, but particularly with concomitant use of serotonergic drugs (including triptans), with drugs that impair metabolism of serotonin (including MAOIs), or with antipsychotics or other dopamine antagonists. Serotonin syndrome symptoms may include mental status changes (eg, agitation, halucinations, coma), autonomic instability (eg, tachycardia, labile blood pressure, hyperthermia), neuromuscular aberrations (eg, hyperreflexia, incoordination) and/or gastrointestinal symptoms (eg, nausea, vomiting, diarrhea). Serotonin syndrome in its most severe form can resemble neuroleptic andignant syndrome, which includes hyperthermia, muscle rigidity, autonomic instability with possible rapid fluctuation of vital signs, and mental status changes. Patients should be monitored for the emergence of serotonin syndrome or NMS-like signs and symptoms. The concomitant use of Pristiq with Abis Sintended to treat depression is contraindicated [*see Contraindications (4.2)*]. If concomitant treatment of Pristig with a 5-hydroxytryptamine receiptor agonist (triptan) is clinically warranted, careful beservation of the patient is advised, particularly during treatment initiation and dose increases. The concomitant use of Pristig with serotonin precursors (such as tryptophan) is not recommended. Treatment with Pristig and any concomitant serotonerigic or antidopaminergic

cancer patients found that those who were given palliative care at the time of diagnosis had a better quality of life than did those in standard care (N. Engl. J. Med. 2010;363:733-42). This study may do more to advance the field than does the New York law. Dr. Edwards noted.

Although the Hospice and Palliative Care Association of New York State supported the law, the Medical Society of the State of New York did not. The medical society, which represents 25,000 physicians, opposed the law because of concerns that it would interfere with the way each and every doctor navigates through

end-of-life situations with each individual patient, said Elizabeth C. Dears, the society's senior vice president for legislative and regulatory affairs.

Mandating that information be given on palliative care "may undermine the patient's belief and conviction in prevailing against their disease and undercut the confidence in their treating physician," said Ms. Dears.

The medical society also said that physicians are not licensed to provide legal advice in areas such as pain or symptom management, and that they may not know what they are supposed to be communicating to patients under certain provisions, while still being subject to penalties.

Although the medical society might object to requiring any such talk, both Dr. Flansbaum and Dr. Edwards said that, realistically, the law should be requiring palliative care to be offered sooner in the disease process and to a broader group of patients, such as those who have chronic life-limiting conditions such as heart failure.

"By the time you're invoking palliative care in terminal patients, you're behind the curve," said Dr. Flansbaum.

3 consecutive on-therapy visits. In clinical studies, regarding the proportion of patients with sustained hypertension, the following rates were observed: placebo (0.5%), Pristig 50 mg (1.3%), Pristig 100 mg (0.7%), Pristig 200 mg (1.1%), and Pristig 400 mg (2.3%). Analyses of patients in Pristig controlled studies where observed: placebo (0.5%), Pristig 50 mg (1.3%), Pristig 100 mg (0.7%), Pristig 200 mg (1.1%), and Pristig 400 mg (2.3%). Analyses of patients in Pristig controlled studies who met criteria for sustained hypertension. Abnormal Bleeding-SSRIs and SNRIs can increase the risk of bleeding events. Concomitant use of aspirin, other drugs that affect platelet function, nonsteroidal anti-inflammatory drugs, warfarin, and other anticoagulants can add to this risk. Bleeding events related to SSRIs and SNRIs have ranged from ecclymosis, hematoma, epistaxis, and petchiae to life-threatening hemorrhages. Pateints should be cautioned about the risk of bleeding associated with the concomitant use of Pristig and NSAIDs, aspirin, or other drugs that affect coagulation or bleeding. Narrow-angle Glaucoma-Mydriasis has been reported in a ssociation with Trisid; therefore, patients with raised intraocular pressure or those at risk of acute narrow-angle glaucoma (angle-closure glaucoma) should be monitored. Activation of Mania/hypomania-During all MDD and VMS (vasomotor symptoms) phase 2 and phase 3 studies, mania was reported for approximately 0.1% of patients treated with Pristig, Activation of mania/hypomania has also been reported in a small proportion of patients with angle face variant and the resonance of a maxima disorders [see Adverse Reactions (6.1)]. Increases in blood pressure and heart rate were observed in clinical studies with Pristig has not been evaluated systematically in patients with a fasting serum total cholesterol, LDL (low-density lipopritein) cholesterol and Triglyceride Elevation-Dose-related elevations in fasting serum total cholesterol, LDL (low-density lipoprite) has been associated with

controlled clinical studies with doses of 50-400 mg, systolic orthostatic hypotension (decrease ≥30 mm Hg from supine to standing position) occurred more frequently in patients ≥65 years of age receiving Pristiq (8,0%, 7/87) versus placebo (2.5%, 1/40), compared to patients ≥65 years of age receiving Pristiq (8,0%, 7/87) versus placebo (2.5%, 1/40), compared to patients ≥65 years of age receiving Pristiq (8,0%, 7/87) versus placebo (2.5%, 1/40), compared to patients ≥65 years of age receiving Pristiq (9.8%, 7/87) versus placebo (0.7%, 8/12,18). Adverse Reactions Identified During Post-Approval Use-The following adverse reaction has been identified during post-approval use of Pristiq. Because post-approval reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure: *Skin and subcutaneous tissue disorders -* Angioedema. DRUG INTERACTIONS: Central Nervous System (NS)-Active Agents-Thre risk of using Pristiq in combination with other CNS-active drugs [see Warnings and Precautions (5.13)]. Monoamine Oxidase Inhibitors (MAOIs)-Adverse reactions, some of which were serious, have been reported in patients who have recently been discontinued prior to initiation of an MAOI [see Contraindications (4.2)]. Serotonergic Drugs- Based on the mechanism of action of Pristiq and the potential for serotonin syndrome, caution is advised when Pristiq is coadministered with other drugs that may affect the serotonergic neurotransmitter systems [see Warnings and Precautions (5.2.1). Drugs that Interfere with Hemostasis. Egiptimological studies of case-control and cohort design have demonstrated an association between use of psychotropic. These studies have antiooxguant effects, including increased bleeding, have been reported when SSRIs and SNRIs are coadministered with warfarin. Patients receiving warfarin therapy should be carefully monitored when Pristig is initiated or discontinued. Ethanol - A clinica Clinical studies have shown that desvenifatxine does not have a clinically relevant effect on CVP2D6 can result in higher concentrations of that drug. Drugs metabolized by CVP2D6 can result in higher concentrations of that drug. Drugs metabolized by CVP3A4 (mitacatame) *in vitro*, desvenifatxine does ont inhibit or induce the CVP3A4 isozyme. Concomitant use of Pristiq with a drug metabolized by CVP3A4 can result in lower exposures to that drug. Drugs metabolized by CVP1A2, 2A6, 2C3, 2C9, and 2C19 - *In vitro*, desvenifatxine is not a substrate or an inhibitor for the P-glycoprotein Transporter. *In vitro*, desvenifatxine is not a substrate or an inhibitor for the P-glycoprotein transporter. The pharmacokinetics of Pristiq are unlikely to affect the pharmacokinetics of drugs that are establishing the risks and/or benefits of electroconvulsive therapy. Thera are no clinical data establishing the risks and/or benefits of electroconvulsive therapy. Combined with Pristiq treatment. USE IN SPECIFIC POPULATIONS: Pregnancy- Patients should be advised to notify their physician if they become pregnant during theray. <u>Teratopenic effects - Pregnancy Category C</u> - There are no adequate and well-controlled studies of Pristiq in pregnant women. Therefore, Pristig should be used during pregnancy only if the potential benefits justify the potential hiskes, and/or benefits usify the potential hiskes, and/or benefits usify the potential risks, and, and the potential hiskes, and well-controlled studies of Pristiq in pregnant women. Therefore, Pristig should be used during pregnancy only if the potential benefits justify the potential risks, and should be used well-potential risks, and benefits usity the notential risks. And should be used well-potential risks, and potential risks, and eveloped complications can arise immediately upon delivery. Faported clinical findings have included registration distress, canadis, anea, seizures, the transit, and and there include and the veloped tand the sected the potential here r

Thepart impairment to 13 and 14 hours in moderate and severe hepatic impairment, respectively. The recommended dose in patients with hepatic impairment is 50 mg/day. Dose escalation above 100 mg/day is not recommended (see Clinical Pharmacology (12.6)). **OVERDOSAGE: Human Experience with Overdosage-** There is limited clinical experience with desvenifative succinate overdosage in humans. In premarketing clinical studies, no cases of fatal acute overdose of desvenifative were reported. The adverse reactions reported within 5 days of an overdose - 500 mg that were possibly related to Pristig included headache, vomiting, aglation, diarnesa, nausea, constipation, diarnea, dry mouth, paresthesia, and tachycardia. Desveniafaxine (Pristig) is the major active metabolite of venifation. Overdose experience reported with venifativine (the parent drug of Pristig) is presented below; the identical information can be found in the *Overdosage* section of the venifative package insert. In postmarketing experience, overdose with venifative (the parent drug of Pristig) his presented below; the identical information can be found in the *Overdosage* section of the venifative package insert. In postmarketing experience, overdose with venifative drugs. The most commonly reported events in overdosage include tachycardia, changes in level of consciousness (ranging from somnolence to coma), mydriasis, seizures, and vomiting. Electrocardiogram changes (eg., prolongation, isinus and verticular tachycardia, brydocardia, brydocardia, thytoension, rhabdormyolysis, vertigo, liver nacerdosage may be associated with an increased risk of fatal outcomes compared to that observed with SSRI antidepressant products, but lower than that for tricycic antidepressants. Epidemiological studies have a higher pre-asking burden of suicide risk factors than SSRI-brated patients. The extent to which the finding of an increased risk of fatal outcomes can be attributed to the toxicity of venifatavine in overdosage, as opposed to some characteristic(s) of ven This brief summary is based on Pristig Prescribing Information W10529C009, revised September 2009

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