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**Cross Canadian Ragweed** 

with Republic Records Recording Artist

AND SPECIAL GUEST

ROGER

CREAGER

## Nation

## Hospitals using expensive technology to reduce medication blunders

TRENTON, N.J. (AP) - At staff training and maintenance, Cooper Hospital in Camden, patients do not have to worry about a misread doctor's chicken scratch giving them the wrong drug or dose. Prescriptions are typed into a computer.

At the nation's veterans hospitals, bar code scanners identify the patient's medicine and also ensure that it won't cause any harm.

And at Jersey Shore Medical Center in Neptune, a pharmacy robot reads electronic medical charts, pulls bar-coded medicine from stock shelves, makes labels and sorts them into labeled bins, eliminating human error.

Under the microscope after a damning 1999 report about errors killing thousands of patients each year, hospitals across America are testing a wide range of solutions. They are trying everything from better training and new medicationhandling procedures to installing sophisticated, multimillion-dollar technology meant to catch mistakes that harried doctors and nurses sometimes miss.

"I think all hospitals are trying to do something to make the use of medication safer," although many still have not laid out the money for pricey, high-tech solutions, said Dr. David Classen, a consultant and hospital internist.

can cost up to \$5 million, plus indicating the dosage should be millions more for customizing, changed.

said Classen, who works for First Consulting Group of Long Beach, Calif., which helps hospitals choose computerized systems.

THE BATTALION

Most hospitals making big investments today are focusing on computerized physician order entry (CPOE) systems, which can eliminate common causes of confusion: illegible handwriting, drugs with similar names, misinterpreted abbreviations and decimal points that are not noticed, resulting in patients getting an excessive dose.

percent of U.S. hospitals now have such systems. Cooper Hospital-University

Medical Center in Camden went to a computerized order entry system three years ago, and within two weeks made every doctor, intern and resident stop writing paper orders.

That has eliminated all errors because of illegibility, said Dr. Simon Simaha, a practicing physician who is vice president for information technology.

Bar-coding systems use handheld scanners - waved over bar codes on the nurse's ID badge, patient's wristband and medication packet - to link information from each with a computer database. That can catch everything from worrisome side effects and look-The most complex systems alike drug names to lab tests

Veterans Affairs medical centers across the country have implemented them. The VA hospitals in East Orange and Lyons, N.J., upgraded theirs with automated, continuous backup of all information onto personal computers, so if the computer system crashes, the medical staff has current information. Robotic systems in pharma-

cies use conveyor belts, barcoded stock in special cabinets and sophisticated software to pull medication doses based on orders a doctor or pharmacist entered into a computer. The He estimates that up to 10 robots sort drugs into bins for each patient before they are checked by a human pharmacist.

Besides reducing human errors, the systems give pharmacists more time to advise doctors on medication choices

After the 1999 Institute of Medicine report on hospital errors, a number of organizations demanded action by the hospitals. In addition to the loss of life, the mistakes added an estimated \$2 billion to the nation's health care bill, the institute report said. A new study this year challenged the institute's numbers.

Since the 1999 report, the American Hospital Association has sent all 5,000 U.S. acute care hospitals a lengthy questionnaire that helps administrators spot every procedure that could lead to an error and determine the best way to change it.

## Gas prices tumb

Thursday, September 13,

NEW YORK (AP)prices tumbled in man of the nation Wednes day after attacks on the Trade Center and Pentagon, as governm cials threatened action ac price gougers and sou reassure motorists of

quate supplies. U.S. Energy Sec Spencer Abraham said is no indication of she that should justify spikes to \$5 a gallon or "There's been no sug ruption to justify prices," Abraham said.

He said the Enviro Protection Agency lifted mer clean air ga requirements on We to avert any supply sh The standards, impos ease air pollution prob during the summer, had

scheduled to expire Sat Gas prices soared Tu on fears of shortages, p ing skirmishes at stati several states as m raced to get to the put A 78-year-old man in Kan., was arrested for vated assault after he a ly pulled a pellet gt

But gas suppliers off high prices Wedn as many states said t would investigate report gouging.

## Study: People with heart disease may extend lifespan by taking aspirin

aspirin regularly to reduce their shortterm heart attack risk may also be substantially extending their lives, new research suggests.

The study of 6,174 adults with suspected heart disease found that regular aspirin users faced a 33 percent lower risk of dying during a follow-up period aver-

CHICAGO (AP) - People who take director in the clinic's cardiovascular medicine department.

> The study appeared in Wednesday's Journal of the American Medical Association.

Dr. Lynn Smaha, a cardiologist at Guthrie Clinic in Sayre, Pa., said patients often ask him if they should regularly take aspirin, which improves blood flow through the arteries by making it less sticky and less

Study participants were male and fe patients who underwent ultrasounds echocardiograms and stress tests to ev suspected heart problems. Included 2,310 people who were taking about aspirin daily or every other day at test and 3,864 nonusers.

There were 276 deaths during at three years of follow-up. While there

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