

**PARLEZ-VOUS?:** Dr. Brian Remillard, a nephrologist at DHMC and one of the clinicians who traveled to Haiti last year to help with post-earthquake relief, launched the first web-based lectures in French on renal disease for Haitian medical students.



FACTS & FIGURES

For the record



9.1%

Percentage of U.S. hospitals that, as of 2009, had implemented an electronic medical record (EMR) system of any sort

1985

Year the current Dartmouth-Hitchcock (DH) EMR was implemented

2.5 million

Number of patients now in the DH EMR system

1

Number of EMRs per patient, regardless of how many DH physicians and locations the patient visits

59,000

Number of new EMRs created in 2009, just at DH's Lebanon campus

80,000

Requests received each year by DH to release EMRs for legal, employment, medical, or other purposes (DH maintains the record and ensures its integrity, but the patient owns it)

30 million

Lines of dictation transcribed and entered into DH EMRs each year

40

Staff members in the DH Health Information Services department

4/2/11

Date when a new, improved DH EMR system goes live

SOURCES: NEW ENGLAND JOURNAL OF MEDICINE, DARTMOUTH-HITCKCOCK

A research pipeline from Tanzania to DMS

Tanzania may be a resource-poor country. Yet the East African nation boasts spectacular scenery, mighty Mt. Kilimanjaro, vast game-animal migrations, and—since 2000, thanks largely to Ford von Reyn, M.D., DHMC's chief of infectious disease and international health—an extensive program of research in HIV-AIDS.

**Trial:** It all began with a clinical trial of a tuberculosis vaccine in HIV-infected patients, the positive results of which were recently published. The contacts von Reyn made while working on that trial encouraged him to pursue funding from the National Institutes of Health's Fogarty International Center to support doctoral training at DMS for Tanzanians.

Two Fogarty Fellows have since completed their Ph.D.'s at Dartmouth and returned to Tanzania and opened labs there. They occupy the only life sciences research labs at Tanzania's Muhimbili University of Health and Allied Sciences (MUHAS).

One of the DMS Fogarty graduates,

Magdalena Lyimo, Ph.D., did her thesis research with DMS's Ruth Connor, Ph.D., and Alexandra Howell, Ph.D., studying factors that influence HIV transmission via breast milk. The virus can be transmitted by that means, but the infection rate is not 100%. Connor and Lyimo suspect that there may be factors in breast milk that both facilitate and inhibit transmission.

The other Dartmouth Fogarty graduate, Ted Mselle, Ph.D., did his doctoral work in the lab of DMS's Charles Sentman, Ph.D. He studied the function of human uterine natural killer cells, showing that they could inhibit HIV uterine infection through the production of natural cytokines.

**Cells:** A third Tanzanian Ph.D. student, Emmanuel Balandya, is still at DMS, working with Tim-



DMS faculty member Tim Lahey, far right, helped a number of Tanzanian colleagues celebrate the opening of labs there.