



U^{of}L Health Care

RP7 in Kentucky

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U of L Team

Regionalization Directors:

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Objectives

To describe the rationale for UofL's utilization of the RP7 Robot

To describe patient and physician satisfaction using RP7 in stroke care

To describe our first year experience

Background: Our Mission

To improve the healthcare of the citizens of
Kentucky

For Stroke:

To reduce the incidence, morbidity, and
mortality of stroke in Kentucky through
direct care, education, and research

Why consider Robotics at UofL

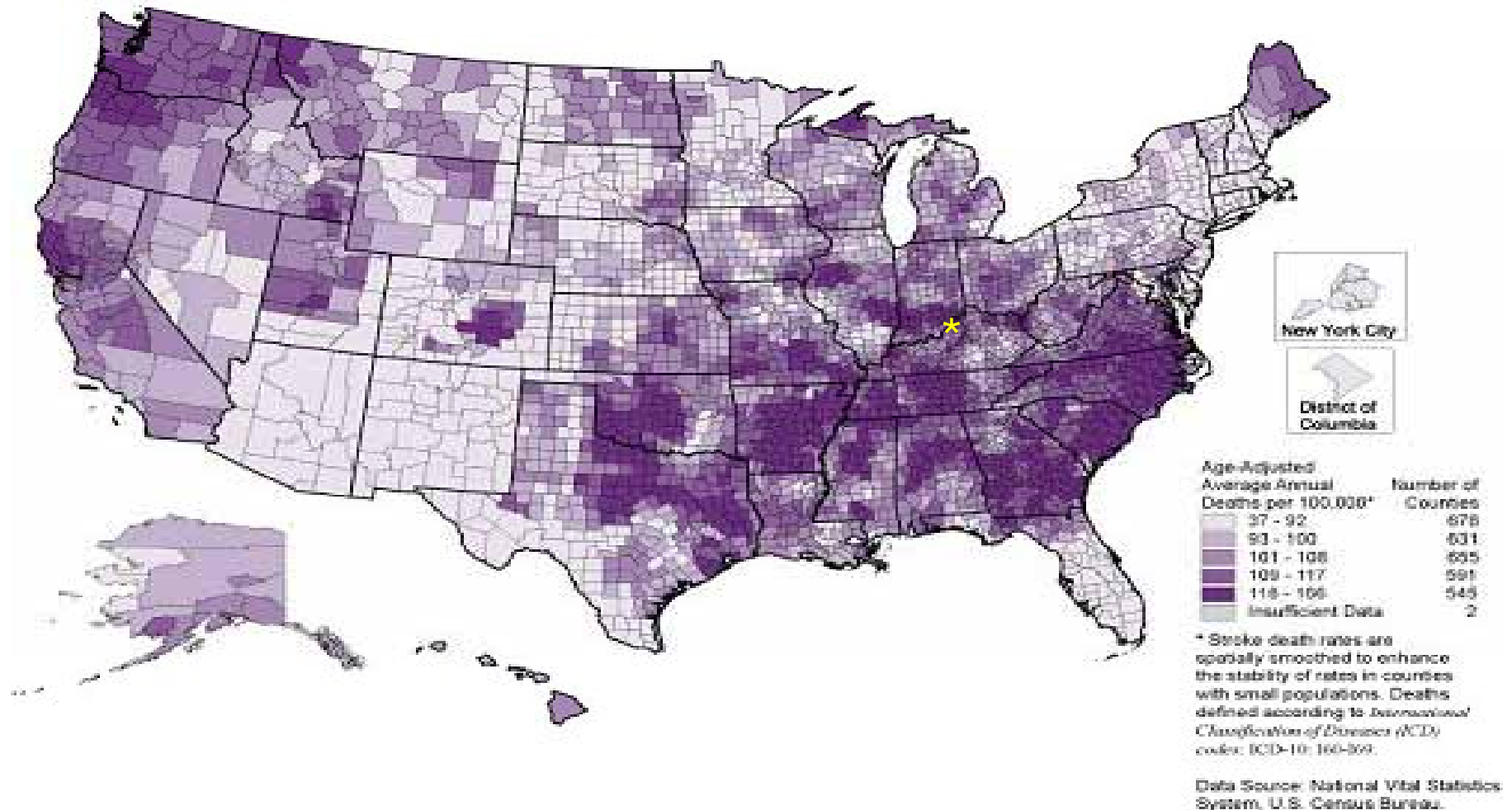
- Kentucky in the Stroke Belt
- Lack of Neurologists in region
- Commitment to regional care
- Large patient volume
- Proven capability for complex care
- Innovative therapies
- Expertise available

UofL Stroke Center Recent Perspective

- 2002: Separated as service line at UofL Hospital
- 2003: Telemedicine: telephonic 24/7 for transfers
- 2004: First JC certified Stroke Center in Kentucky
- 2006: GWTG Award at ISC (2007 and 2008)
- 2006: Recertified by JC (again this year)
- 2007: RP7 utilization began in November
- 2008: 12 RP7 robots placed in Kentucky

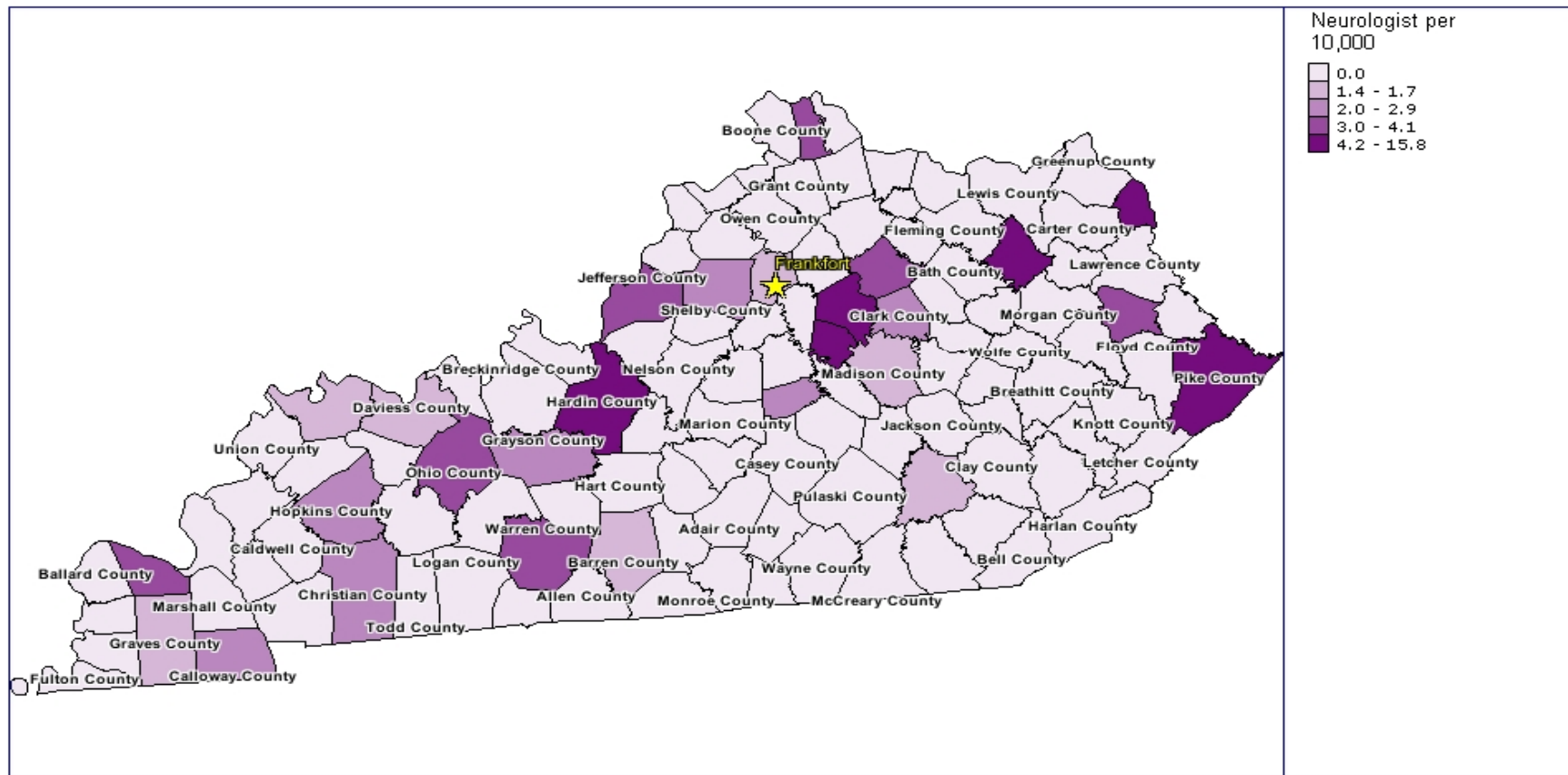
Kentucky is in the Stroke Belt

Stroke Death Rates, 2000-2004
Adults Ages 35 Years and Older by County



Many Counties With No Neurologist

Kentucky - Neurologists per 10,000 population, Ages 65+



**ROBOTS HAVE LANDED
IN KENTUCKY!**

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Hub-Spoke Model

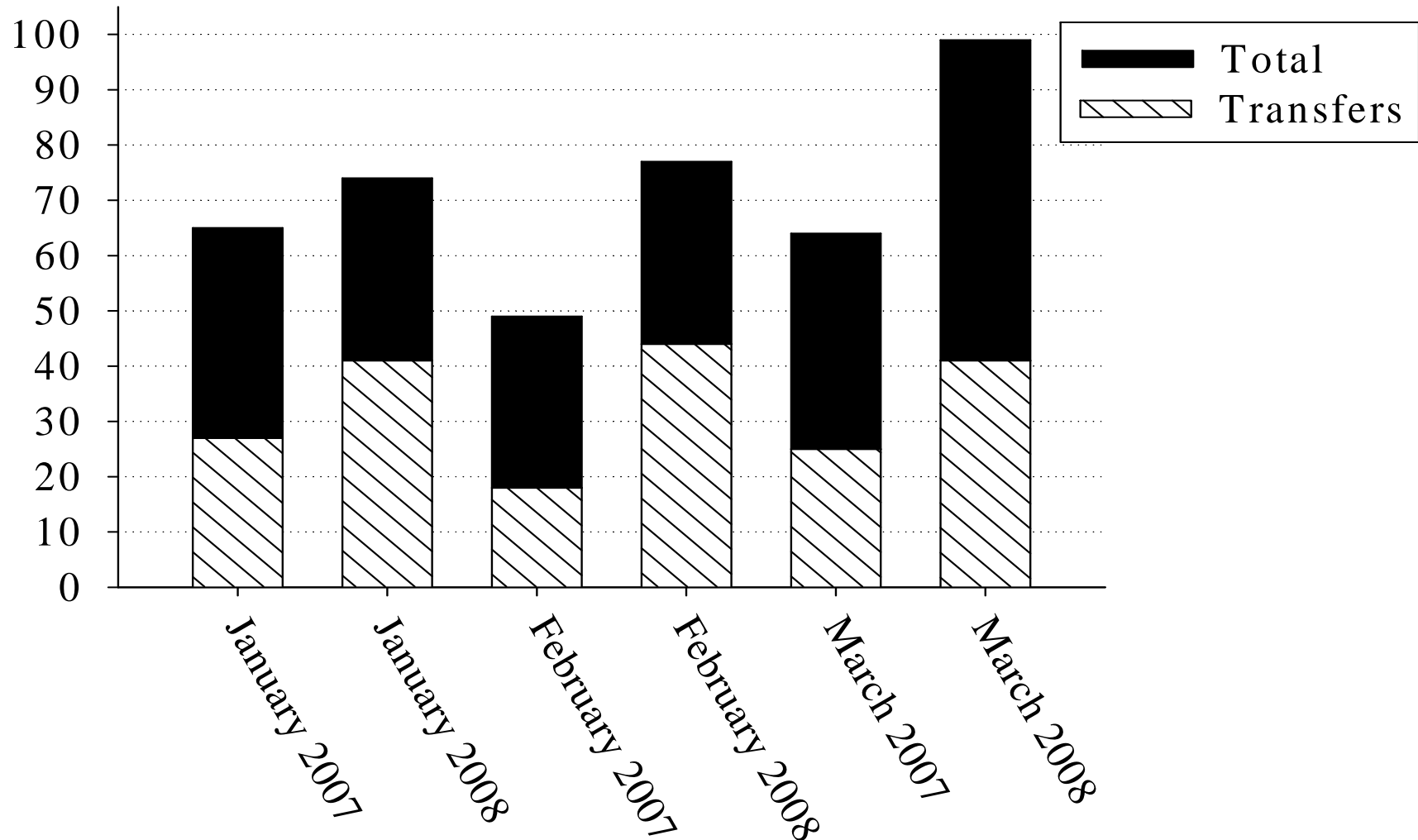
Placements and Committed Locations



Expected of RP7 Use

- Beam in 24/7
- Take history
- Examine patients (perform NIHSS)
- Review imaging data
- Triage appropriately
- Reduce percentage of transfers
- Make appropriate treatment decisions
- Transfer high acuity patients

Total number of patients and transfers admitted to stroke center



First Year

19% increase in patients in 2008

1000 projected admissions in 2008

50% of patients transferred

Increased transfer of high acuity patients -
intervention cases

15% iv-tPA in 2008 so far

Increased per patient contribution margin
\$641

Decreased transfer of non-stroke patients

Unexpected

- Rapid adjustment to technology
- Patient and physician satisfaction
- Preservation of physician-patient relationship: The Art of Medicine

In Touch Health Team

Yulun Wang, President and Founder

Bill Day, Area VP, Southeastern Region

Tim Wright, VP, Strategic Marketing

Linda Wymer, Director, Account Management

Chris Waybright, Technical Support

Marie Gonzales, Customer Representative

Telestroke systems easily adaptable to other specialties

Neonatology
Other Pediatric subspecialties
Maternal Fetal Medicine
Pulmonary/Critical Care
Movement Disorders
Epilepsy
Dermatology
Psychiatry
Geriatric Medicine
Cardiothoracic surgery
Trauma
Nephrology
Oncology

Summary

RP7 enhances UofL Stroke Center's
telemedicine capabilities

Patients and spoke physicians accept robotics
in health care

Physician-patient (family) relationships are
preserved

Hub – Spoke Model

Kentucky - Neurologists per 10,000 population, Ages 65+

