

NEUROLOGY OUTCOMES

2012



University of Colorado Hospital

UNIVERSITY OF COLORADO HEALTH





TABLE OF CONTENTS

4 // **Total Inpatient and Outpatient Visits**, UCH Neurosciences

4 // **Spinal Surgery** Volumes

4 // **Neurosurgery** Volumes*

5-10 // **Stroke Outcomes**

5 // **IV rt-PA** Arrive by 2 Hour, Treat by 3 Hour

5 // **Early Antithrombotics**

6 // **VTE Prophylaxis**

6 // **Antithrombotics**

7 // **Anticoag for AFib/Aflutter**

7 // **LDL 100 or ND – Statin**

8 // **Stroke Education**

8 // **Rehabilitation Considered**

9 // **Cerebrovascular/Ischemic Stroke – Mortality Index**

9 // **Cerebrovascular/Intracerebral Hemorrhage – Mortality Index**

10 // **Cerebrovascular/Other** Volume

10 // **Other Neurology & Neurosurgery** Volume

11 // **Brain & CNS (Excluding Benign Brain)** 5-Year Survival

11 // **Brain (Including Benign Brain)** 5-Year Survival

12 // **Brain (GBM Only)** 5-Year Survival

12 // **Epilepsy** Volume

13 // **Movement Disorder** Volume

13 // **Neuromuscular** Volume

14 // **MS** Volume

14 // **Neuro-Oncology** Volume

15 // **UCH Insider Article**



UNIVERSITY OF COLORADO HOSPITAL

IS THE ROCKY MOUNTAIN REGION'S LEADING ACADEMIC MEDICAL CENTER.

University of Colorado Hospital (UCH) is recognized as the highest-performing academic hospital in the United States for delivering quality health care by the University HealthSystem Consortium for two years in a row, and is ranked as the best hospital in the Denver metro area and one of the best in the country by *U.S. News & World Report*. UCH is best known as an innovator in patient care and often is one of the first hospitals to bring new medicine to the patient's bedside. The hospital's physicians are affiliated with the University of Colorado School of Medicine, part of the University of Colorado system. Based at the expansive Anschutz Medical Campus in Aurora, Colo., UCH is where patient care, research and education converge to establish the future of health care delivery.

The University of Colorado Hospital Difference...

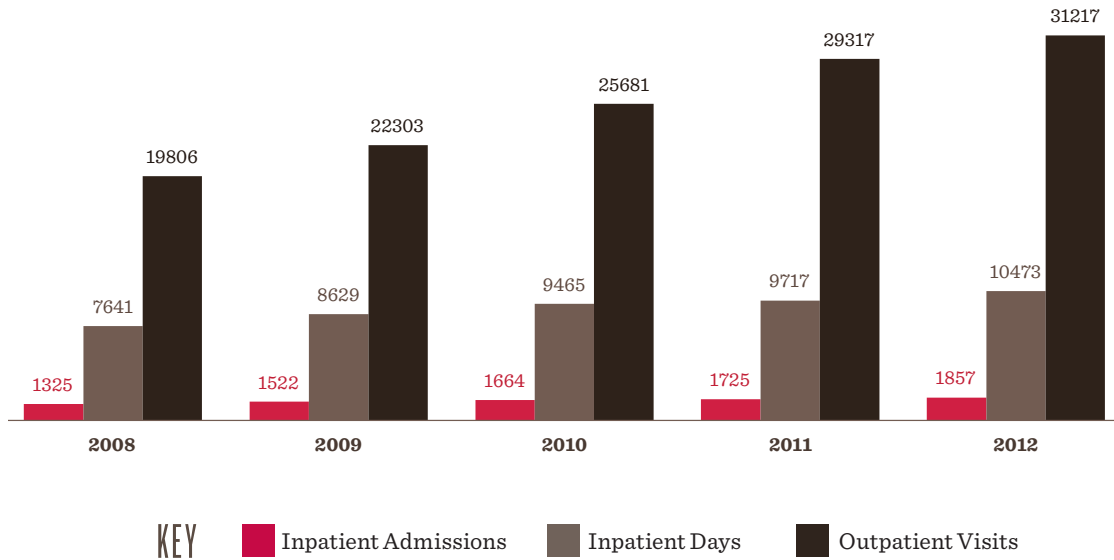
The University of Colorado Hospital Department of Neurosciences is one of the nation's leading neurosciences programs and is comprised of some of the country's top neurologists, neurosurgeons, neurointerventional radiologists, neurocritical care specialists, neurohospitalists, NPs, PAs, researchers, social workers, counselors, dietitians and other caregivers. With a multidisciplinary team that subspecializes in and treats a broad spectrum of neurological conditions, the neurosciences division is a contributing reason why the University of Colorado Hospital was recently named the top performing academic hospital in the nation by the University HealthSystem Consortium, again. For more information, please visit us at uch.edu.



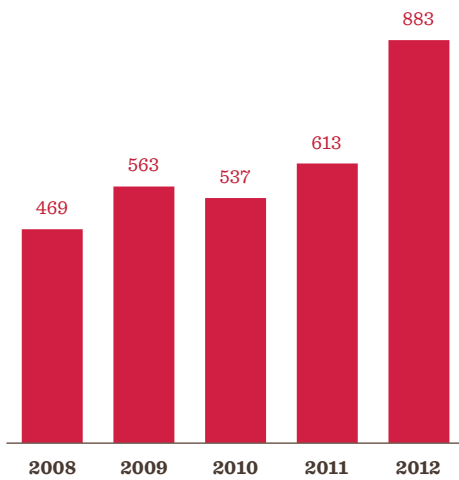
OUTCOMES DATA

Based on the July 1 - June 30 fiscal year

TOTAL INPATIENT AND OUTPATIENT VISITS, UCH NEUROSCIENCES

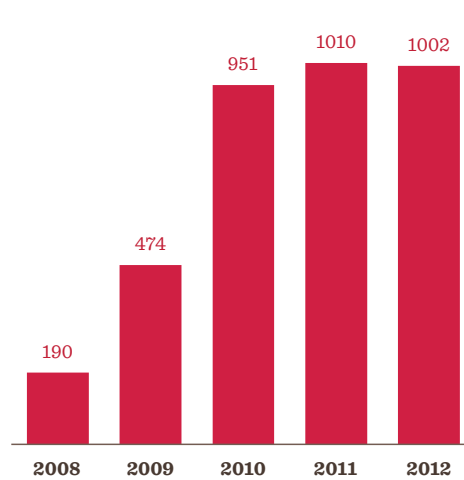


SPINAL SURGERY VOLUMES

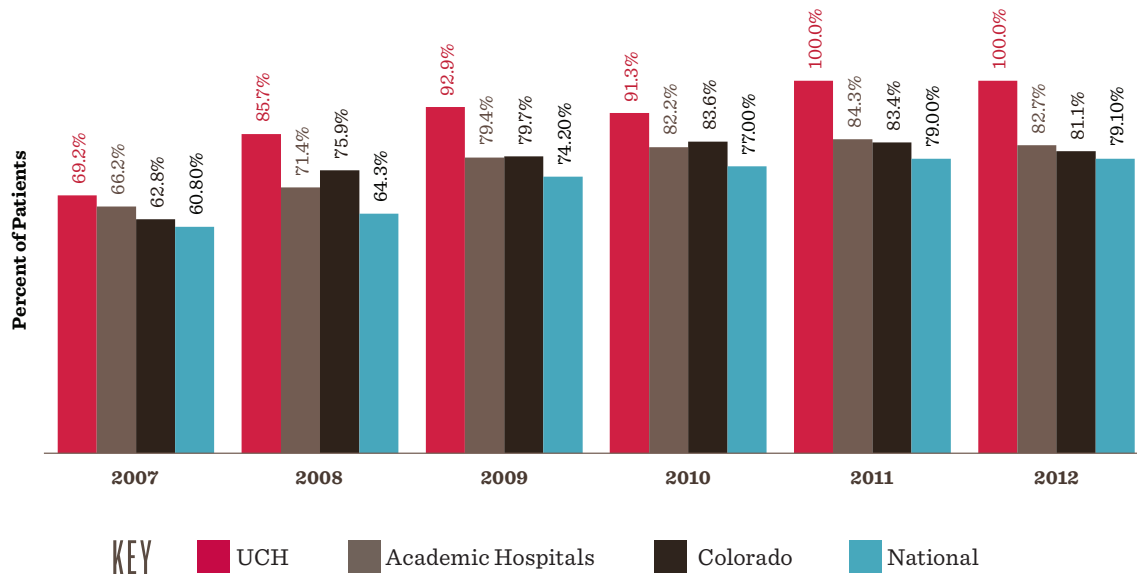


NEUROSURGERY VOLUMES*

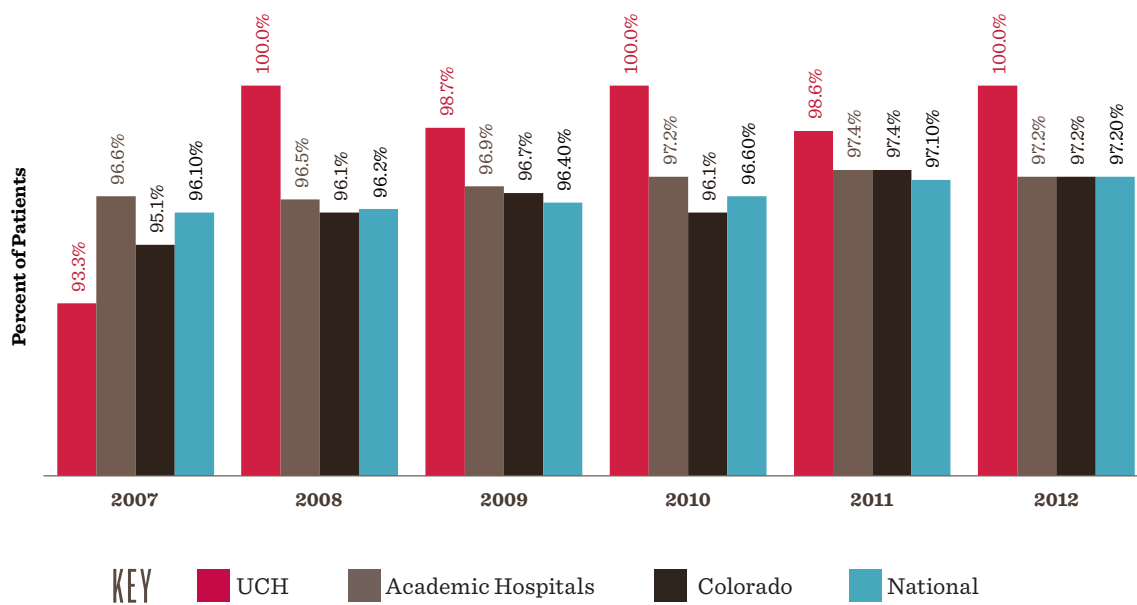
*excludes spinal surgeries.



IV RT-PA ARRIVE BY 2 HOUR, TREAT BY 3 HOUR



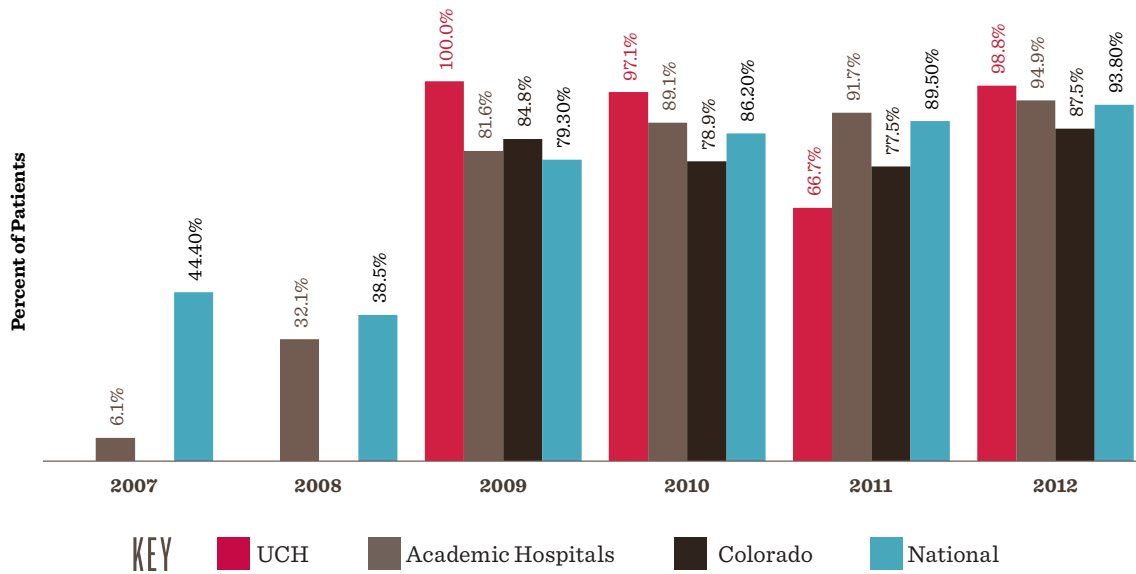
EARLY ANTITHROMBOTICS



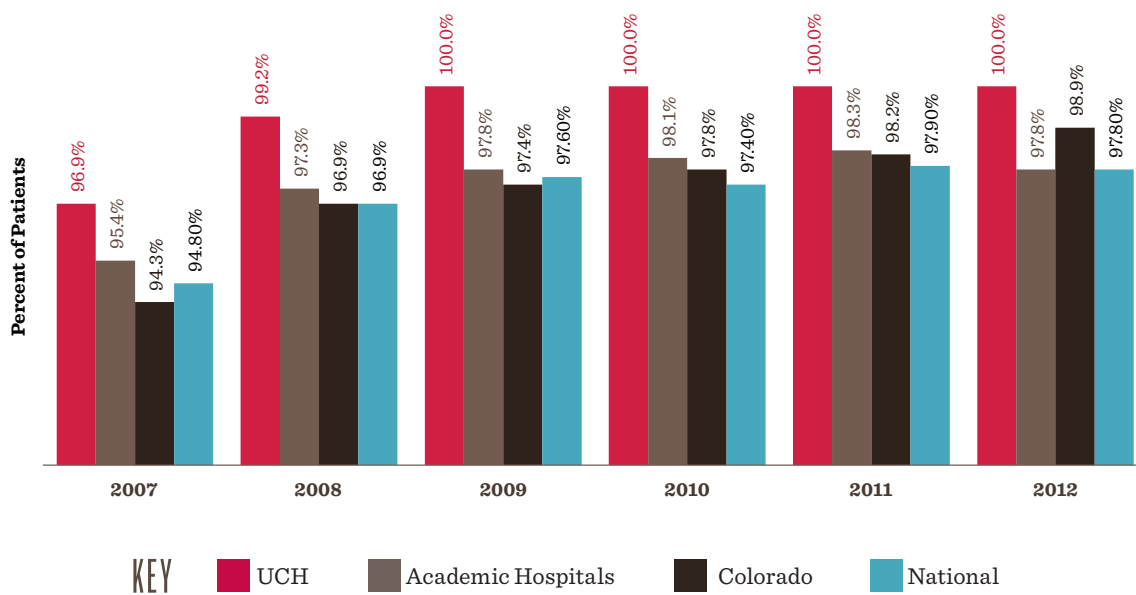
OUTCOMES DATA

Based on the July 1 - June 30 fiscal year

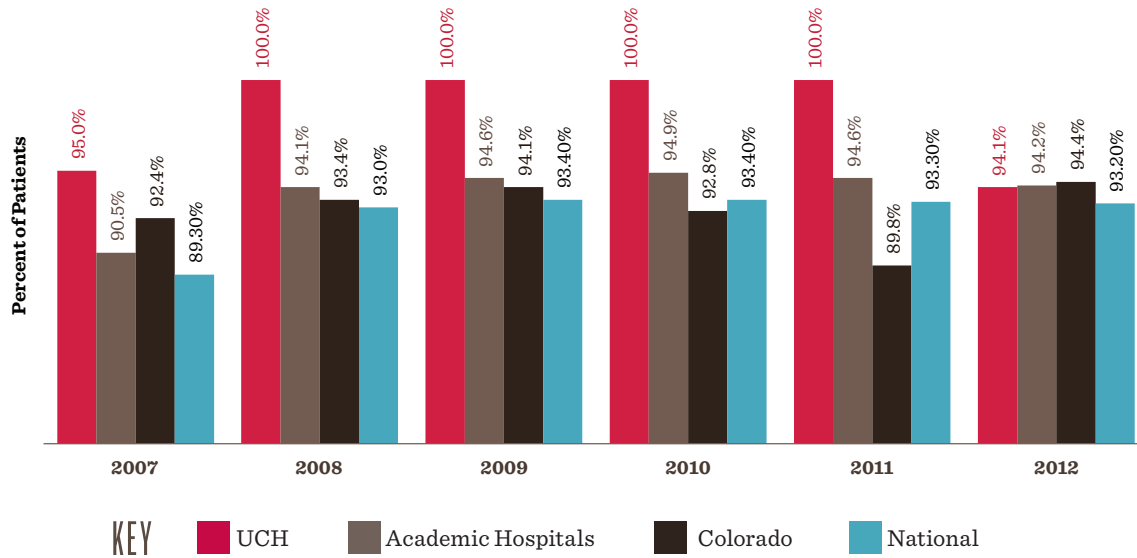
VTE PROPHYLAXIS



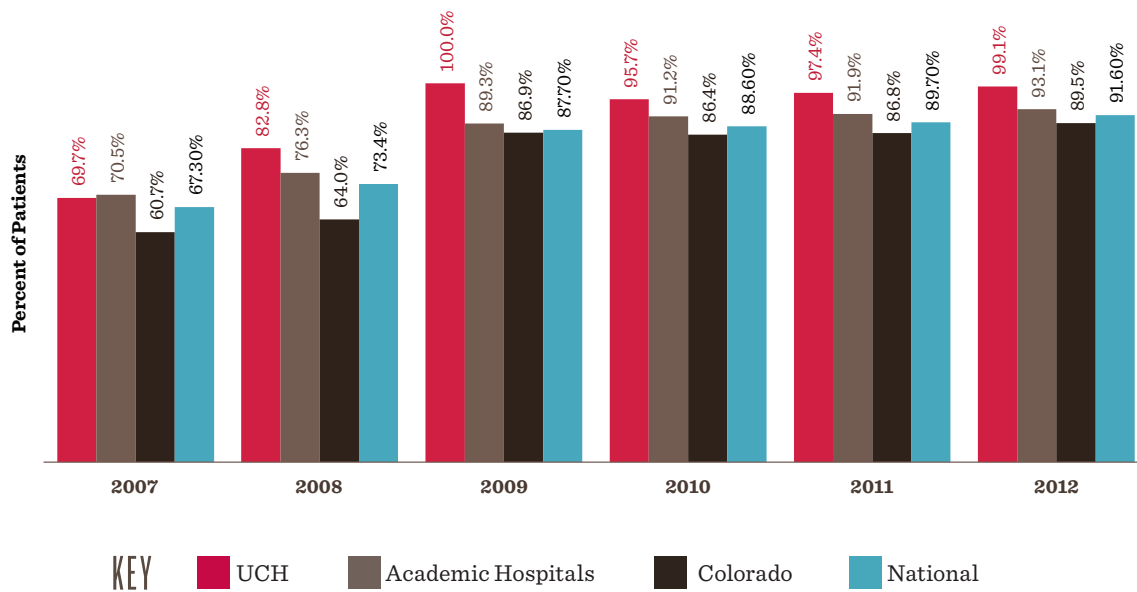
ANTITHROMBOTICS



ANTICOAG FOR AFIB/AFLUTTER



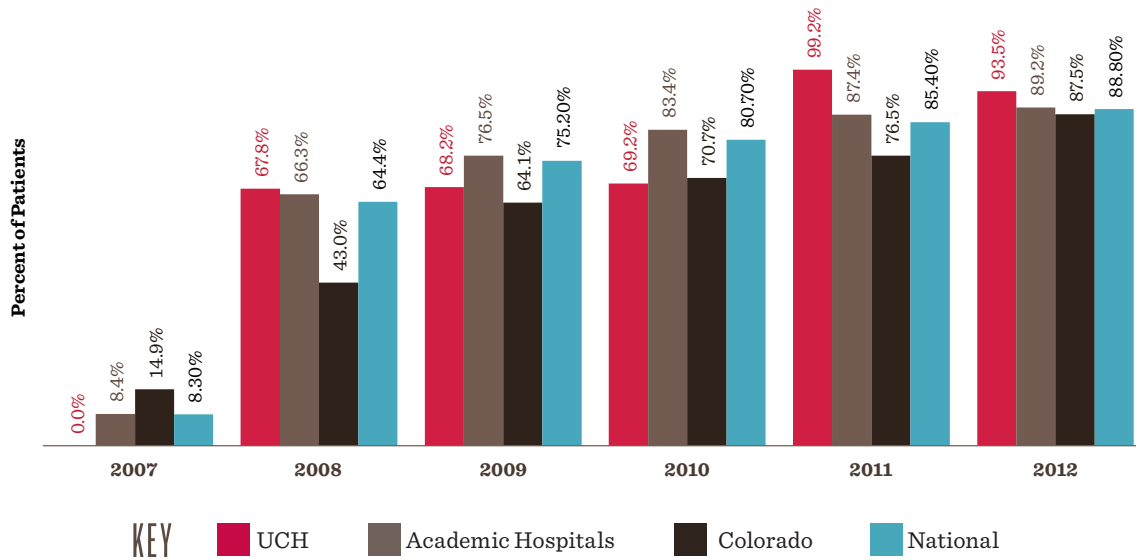
LDL 100 OR ND - STATIN



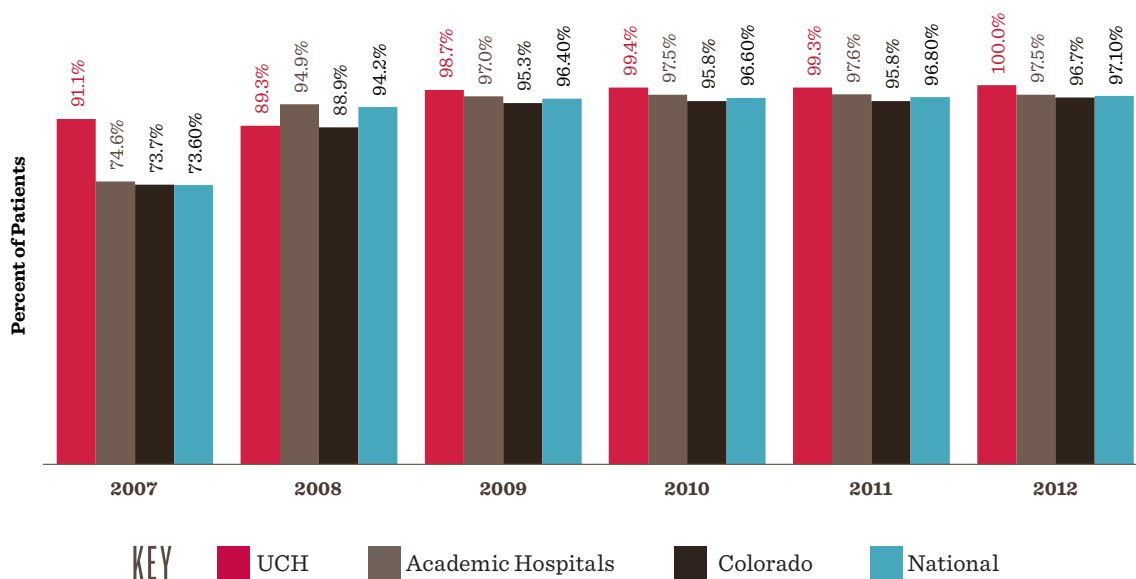
OUTCOMES DATA

Based on the July 1 - June 30 fiscal year

STROKE EDUCATION

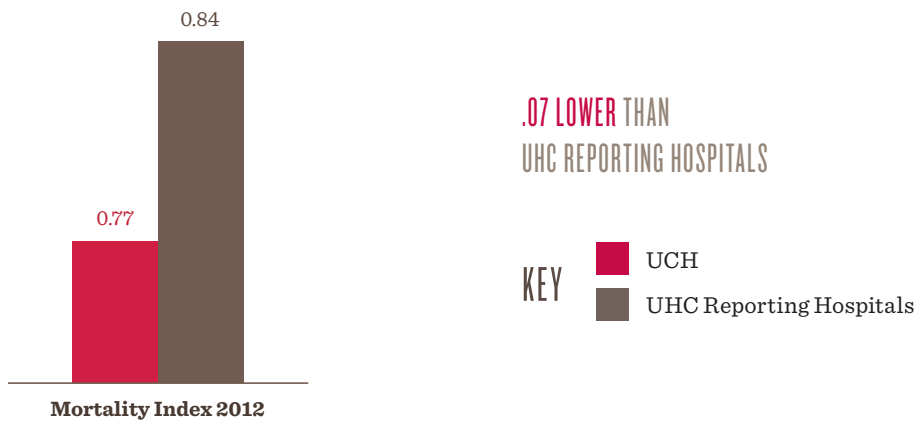


REHABILITATION CONSIDERED



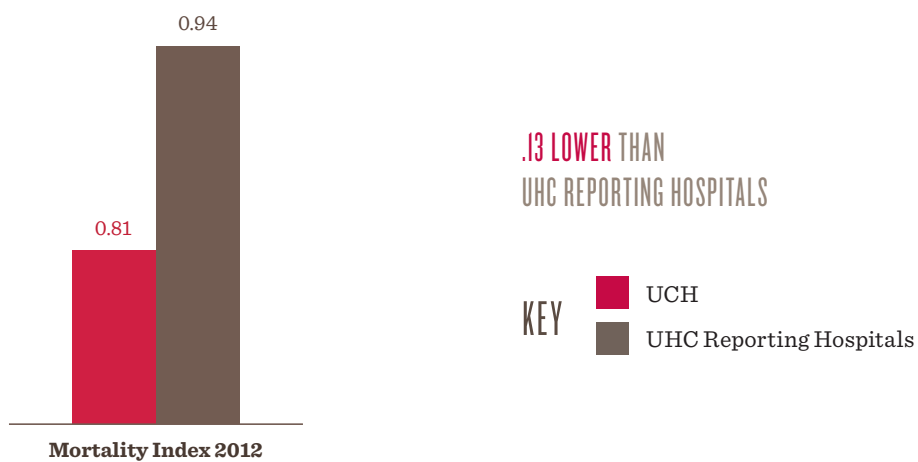
CEREBROVASCULAR/ISCHEMIC STROKE – MORTALITY INDEX

Lower is better (compared to national averages from UHC Reporting Hospitals)



CEREBROVASCULAR/INTRACEREBRAL HEMORRHAGE – MORTALITY INDEX

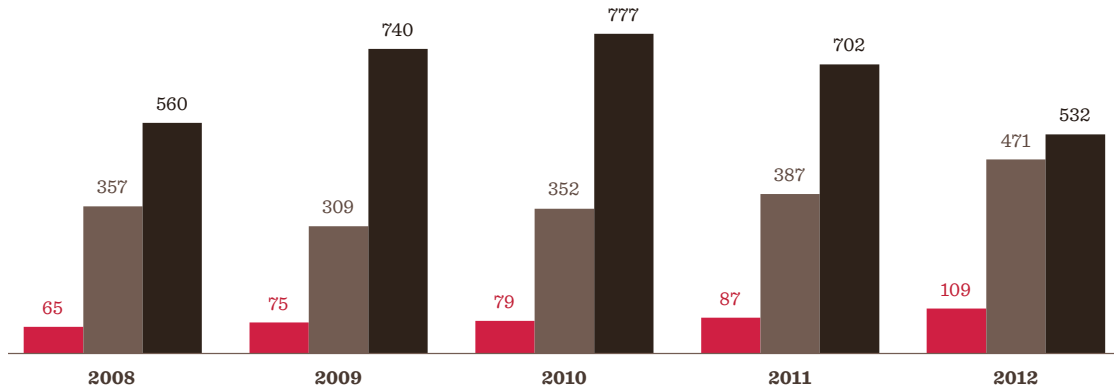
Lower is better (compared to national averages from UHC Reporting Hospitals)



OUTCOMES DATA

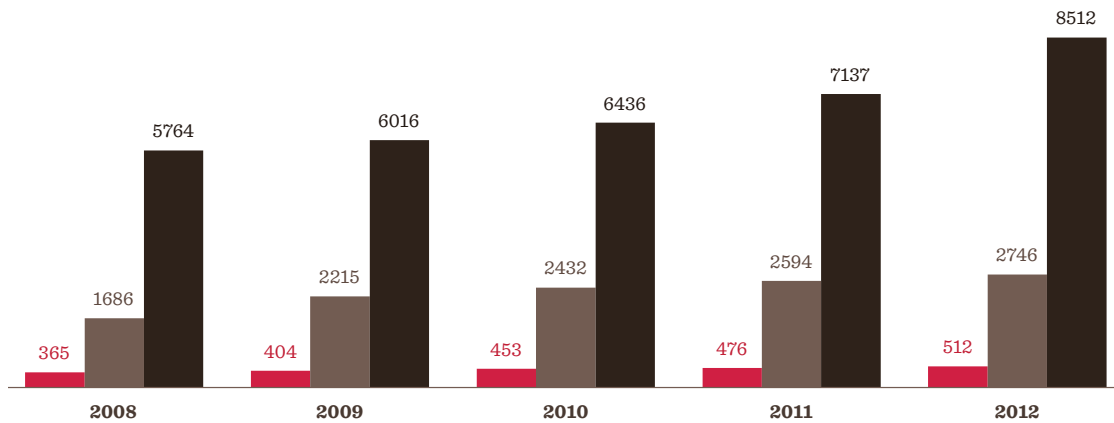
Based on the July 1 - June 30 fiscal year

CEREBROVASCULAR/OTHER VOLUME



KEY ■ Inpatient Admissions ■ Inpatient Days ■ Outpatient Visits

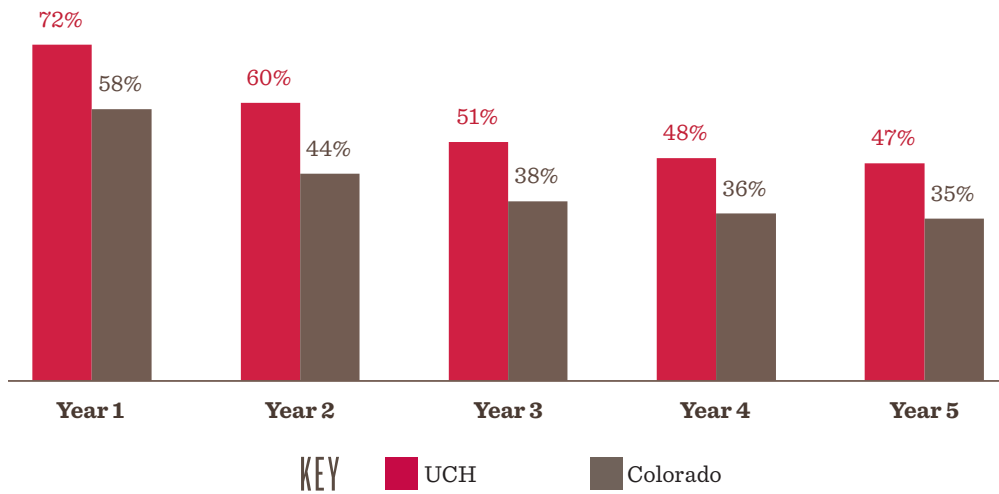
OTHER NEUROLOGY & NEUROSURGERY VOLUME



KEY ■ Inpatient Admissions ■ Inpatient Days ■ Outpatient Visits

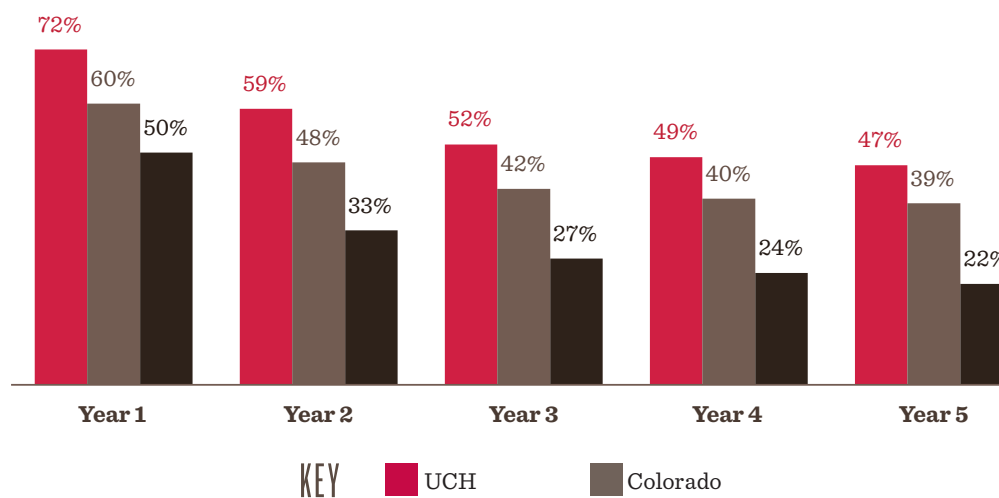


BRAIN & CNS (EXCLUDING BENIGN BRAIN) 5-YEAR SURVIVAL



Observed survival data based on patients diagnosed between 2003 - 2005.

BRAIN (INCLUDING BENIGN BRAIN) 5-YEAR SURVIVAL

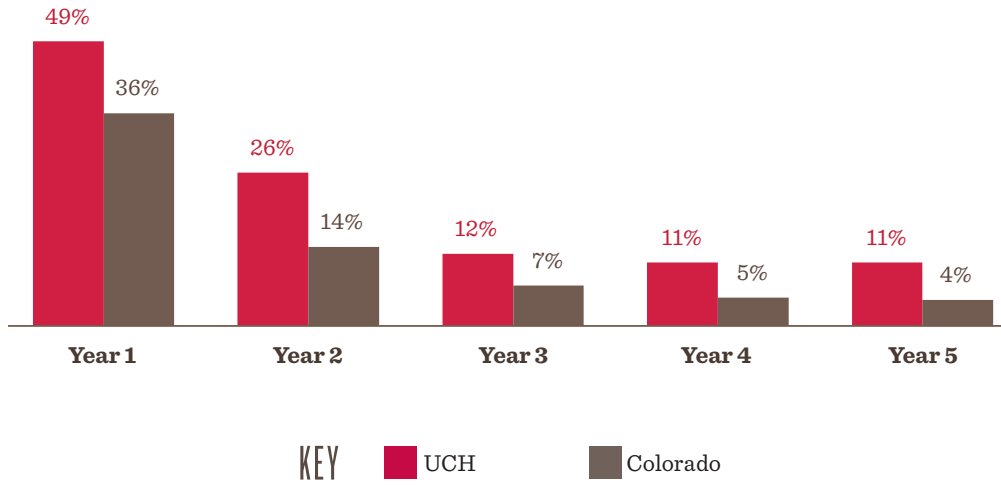


Observed survival data based on patients diagnosed between 2003 - 2005.

OUTCOMES DATA

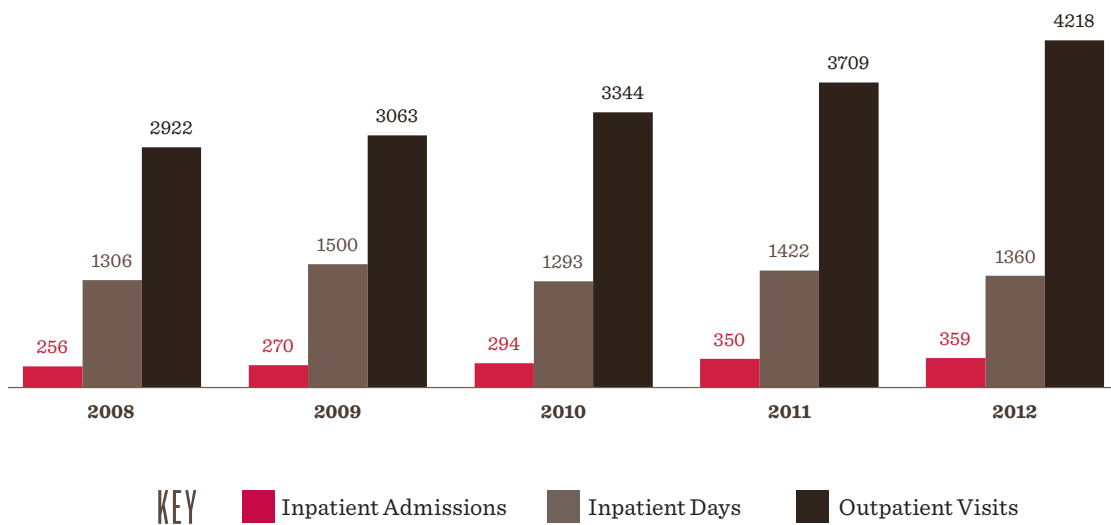
Based on the calendar year

BRAIN (GBM ONLY) 5-YEAR SURVIVAL

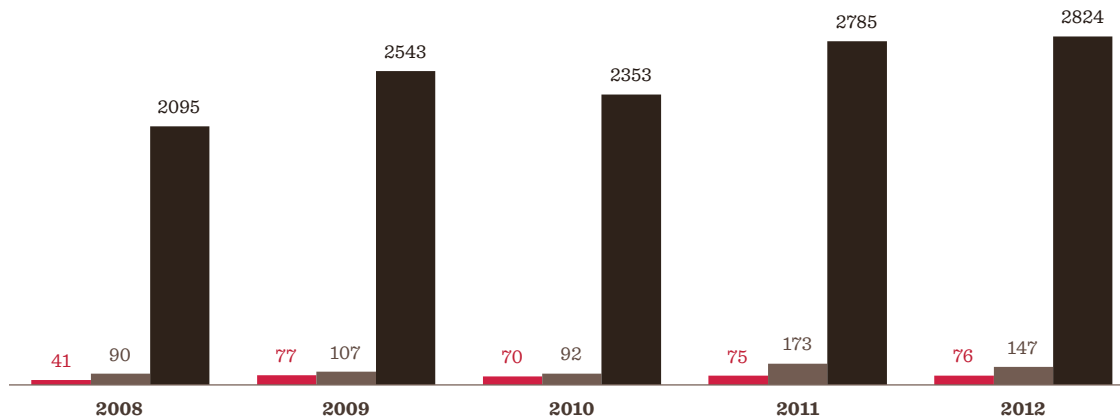


Observed survival data based on patients diagnosed between 2003 - 2005.

EPILEPSY VOLUME

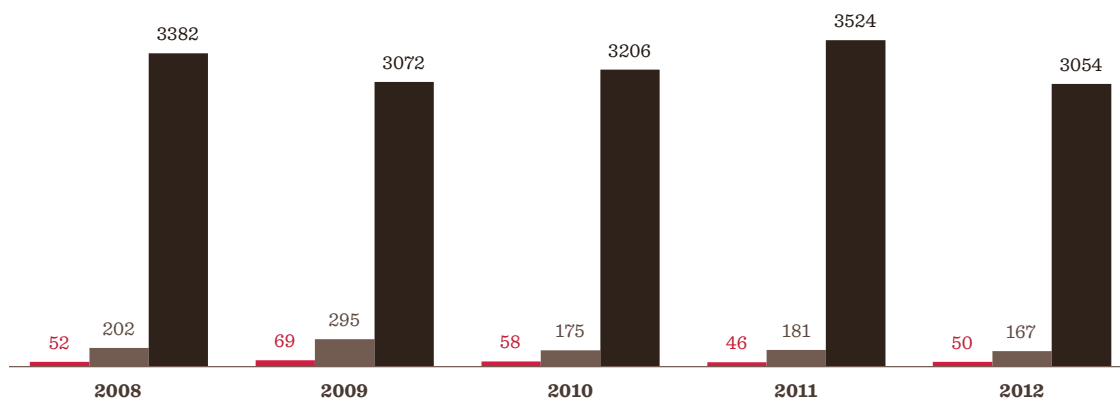


MOVEMENT DISORDER VOLUME



KEY ■ Inpatient Admissions ■ Inpatient Days ■ Outpatient Visits

NEUROMUSCULAR VOLUME

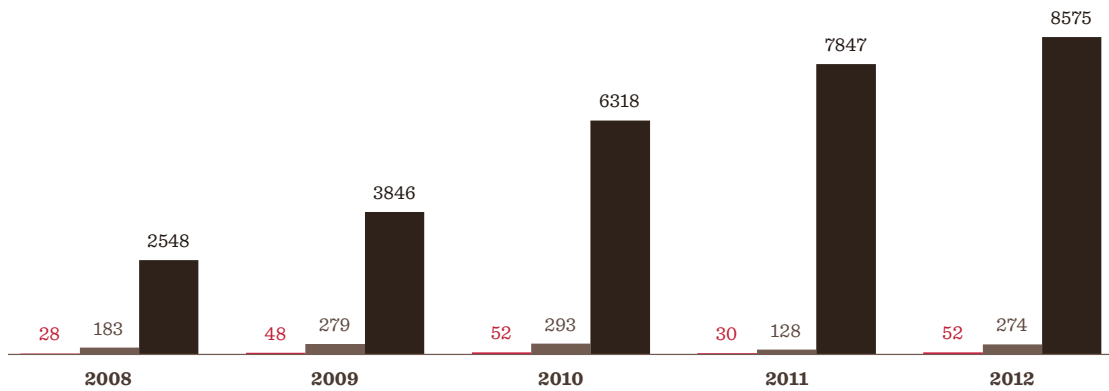


KEY ■ Inpatient Admissions ■ Inpatient Days ■ Outpatient Visits

OUTCOMES DATA

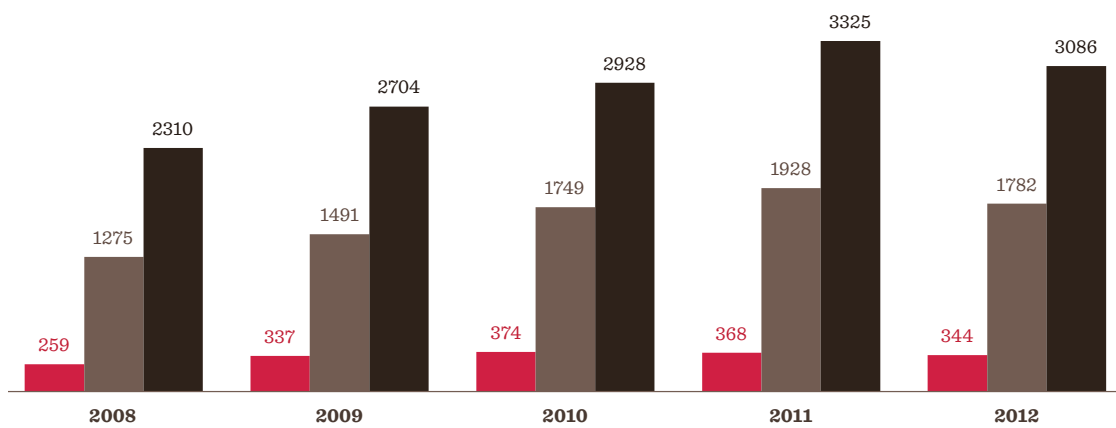
Based on the July 1 - June 30 fiscal year

MS VOLUME



KEY ■ Inpatient Admissions ■ Inpatient Days ■ Outpatient Visits

NEURO-ONCOLOGY VOLUME



KEY ■ Inpatient Admissions ■ Inpatient Days ■ Outpatient Visits



Record-setting treatment

Stroke Victim Returns to Neuro ICU to Thank UCH Providers

To say Rick Hamilton's visit last week to the Neuro Intensive Care Unit at University of Colorado Hospital was different than the one he made last fall would be quite an understatement.

The last time the Illinois man had seen the unit and many of the providers who gathered there to greet him July 12, he was only hours removed from a brush with serious disability – if not death – caused by a stroke he suffered while on a Halloween Day flight from St. Louis to Salt Lake City.



Rick Hamilton (center, left), who suffered a stroke aboard an airplane last Halloween, applauds UCH providers during a visit to the Neuro ICU last week.

After an emergency landing at Denver International Airport, paramedics rushed Hamilton to UCH, where a team of providers admitted him to the Emergency Department, assessed him, obtained and interpreted a CT image and administered clot-busting medication in a record 18 minutes.

After some additional tense moments and a four-day Neuro ICU stay, Hamilton walked out of the hospital with no residual effects from the stroke (*Insider*, Nov. 30, 2011).

"It's rewarding to walk back through this journey and see the people who played this role," Hamilton told the small crowd in the Neuro ICU.



Hamilton and West with (from left) interventional radiologist David Kumpe and Neuro ICU Medical Director Robert Neumann, MD.

Among those on hand to speak to Hamilton was interventional radiologist David Kumpe, MD, who threaded a catheter through Hamilton's femoral artery to the clot in the right middle cerebral artery that caused the stroke. Kumpe delivered a second dose of tissue plasminogen activator (tPA), this one directly to the clot, which dissolved.

Kumpe spoke of the good that came out of Hamilton's ordeal. Referring to the hospital's record-setting response to the case, Kumpe said, "Little has been said about the effect that you had on us. You set a benchmark for us."

An avid golfer, Hamilton said he's not quite back to playing 18 holes, but only because of a sore shoulder.

He was happy to come back under his own power to say thanks to those he met under far different circumstances.

"Thank you to the people who allowed me to do this," Hamilton said.

For more on Hamilton's visit to UCH, watch the [story aired on 9News](#).

