

# GE & GE Healthcare

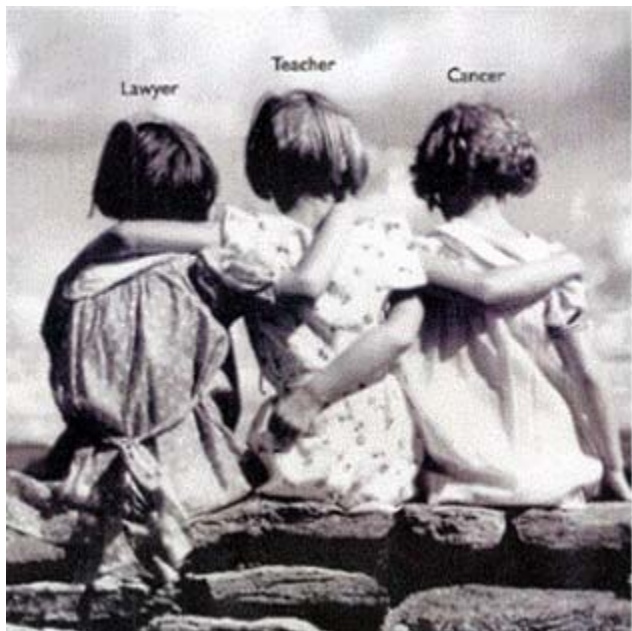
Mark A Dente, MD  
VP, GE Healthcare

- Founded by Thomas Edison in 1878
- The only company listed in the Dow Jones today that was in the original index in 1896
- 325,000+ employees
- \$173.4 billion in revenue in 2007
- **\$2 + billion in HEALTHCARE COSTS**



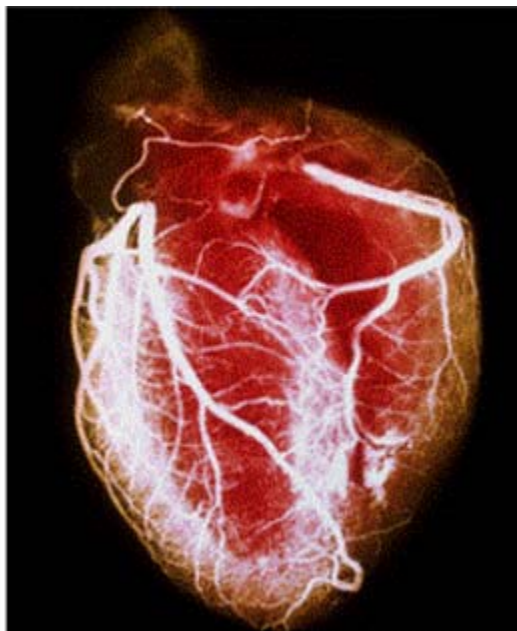


# Why Healthcare Re-imagined? We need a fundamental change ...



## Cancer

One person in three will have cancer



## Heart Disease

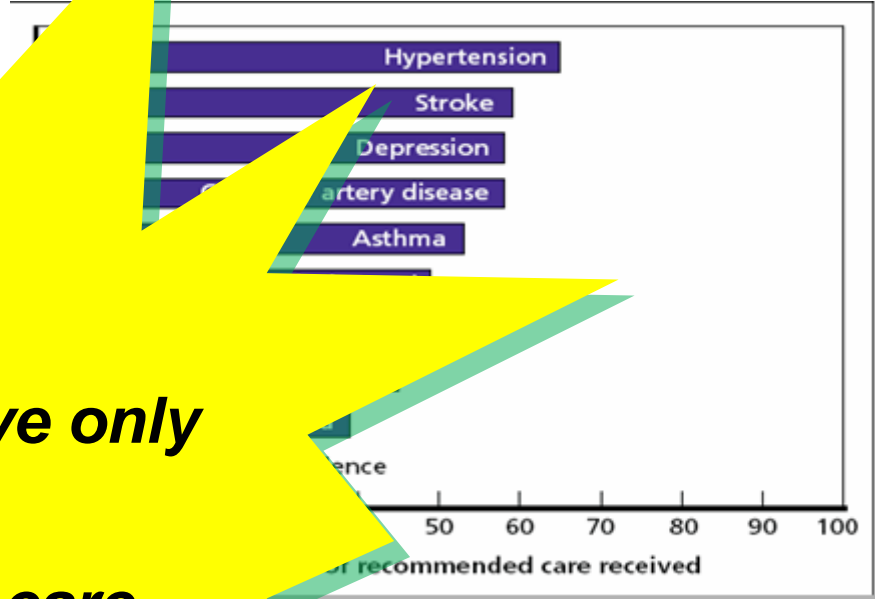
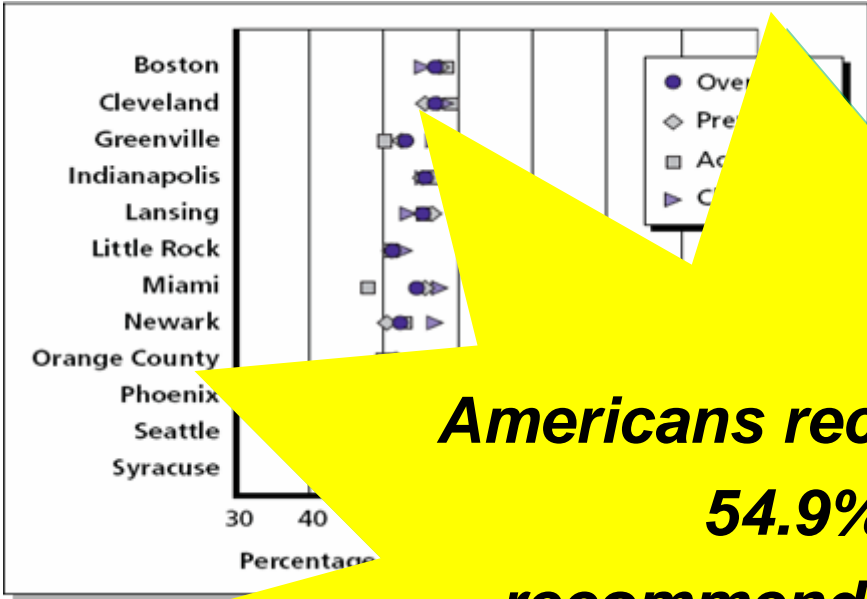
50% die after 1<sup>st</sup> heart attack



## Brain Disorders

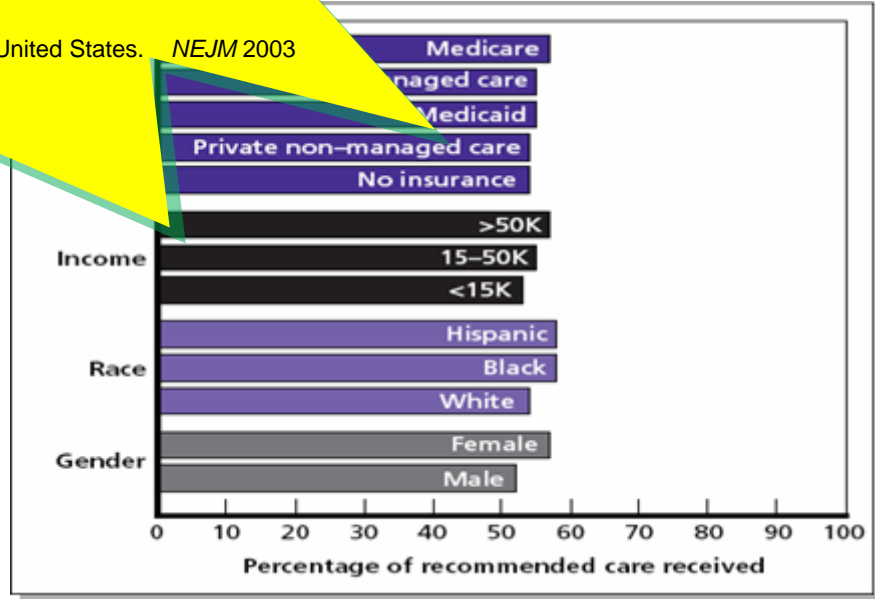
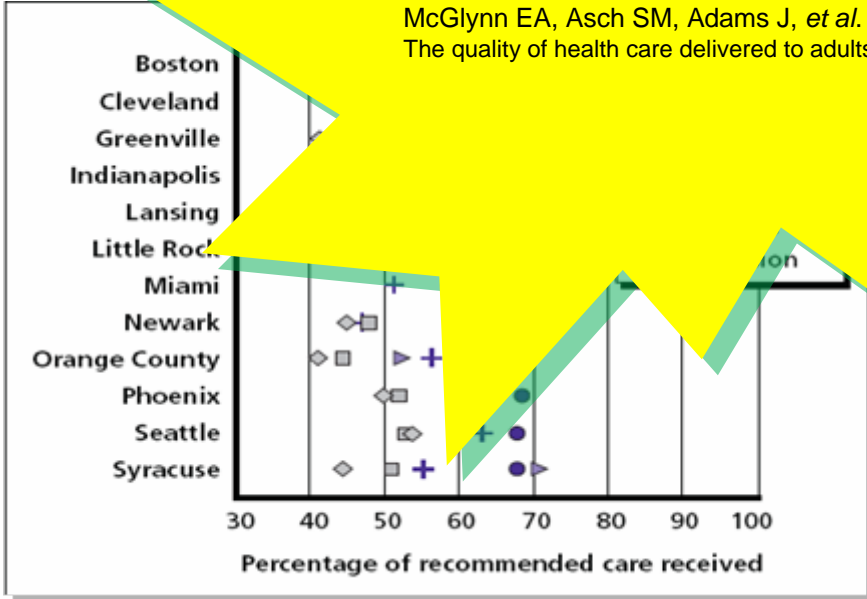
20% aged 75-84 suffer from Alzheimer's disease

# How good is American health care?

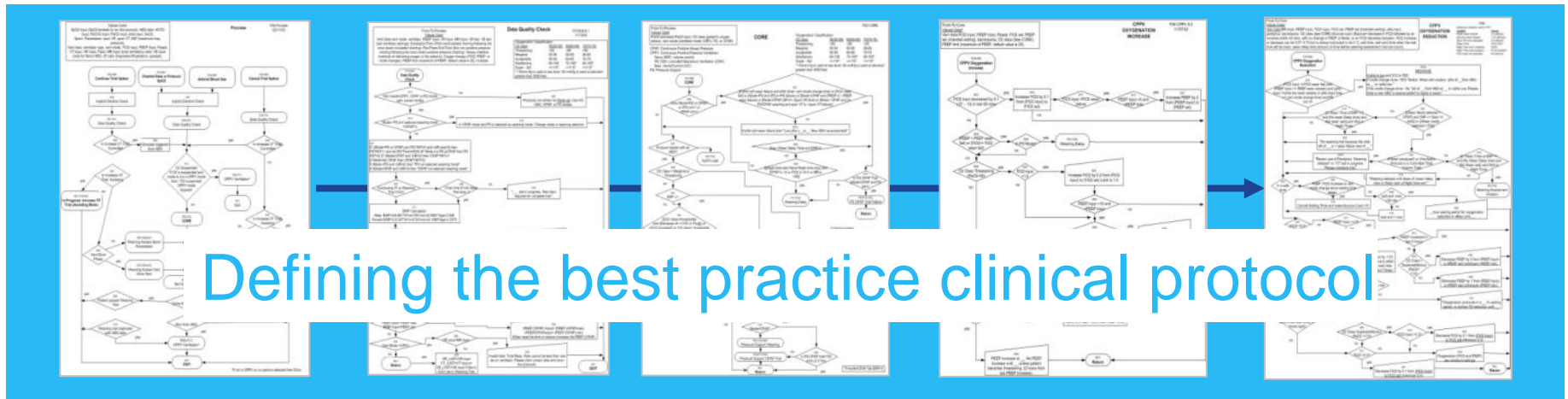
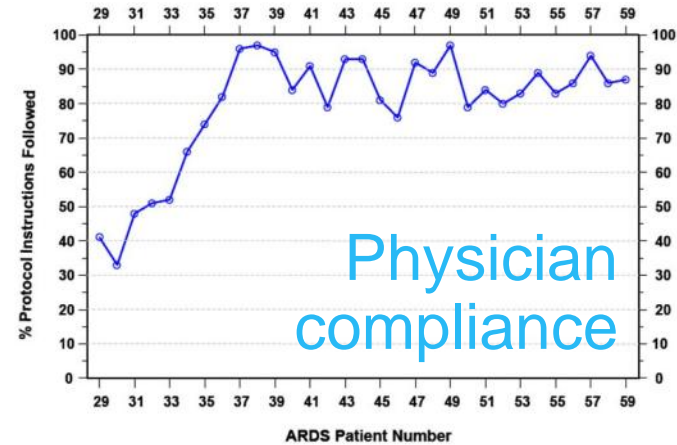


**Americans receive only  
54.9%  
recommended care**

McGlynn EA, Asch SM, Adams J, *et al.*  
The quality of health care delivered to adults in the United States. *NEJM* 2003



# ARDS... evidence in action



ARDS ventilator management:

Survival 9.5% → 44%  
~\$120,000 less cost per case!

# Value Created by Cardiology Program



Dr. Don Lappe

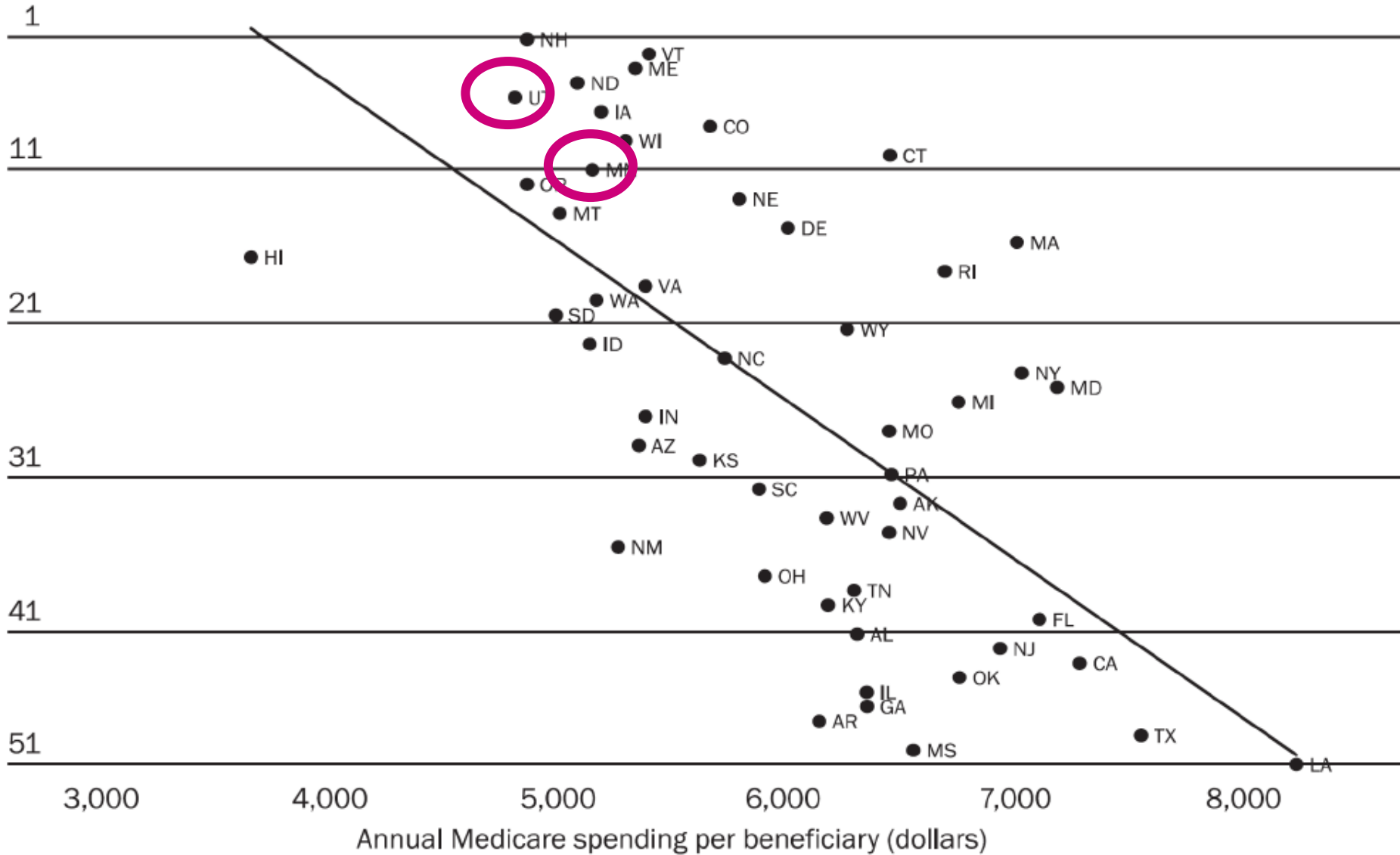
Chair, Cardiology  
Program



- Impact of Discharge Med Program on Heart Failure Readmissions/Mortality
- ACE inhibitor prescription at hospital discharge increased from 65% to 95% in 5 years
- How did these Intermountain heart failure patients do?
  - One-year readmissions reduced from 46.5 % to 38.5%
  - 551 readmissions prevented per year
  - \$2,480,000 saved based on avoided readmissions
  - One-year mortality rate reduced from 22.7% to 17.8%
  - 331 lives saved per year
- Quality is cheaper, safer, better all around !

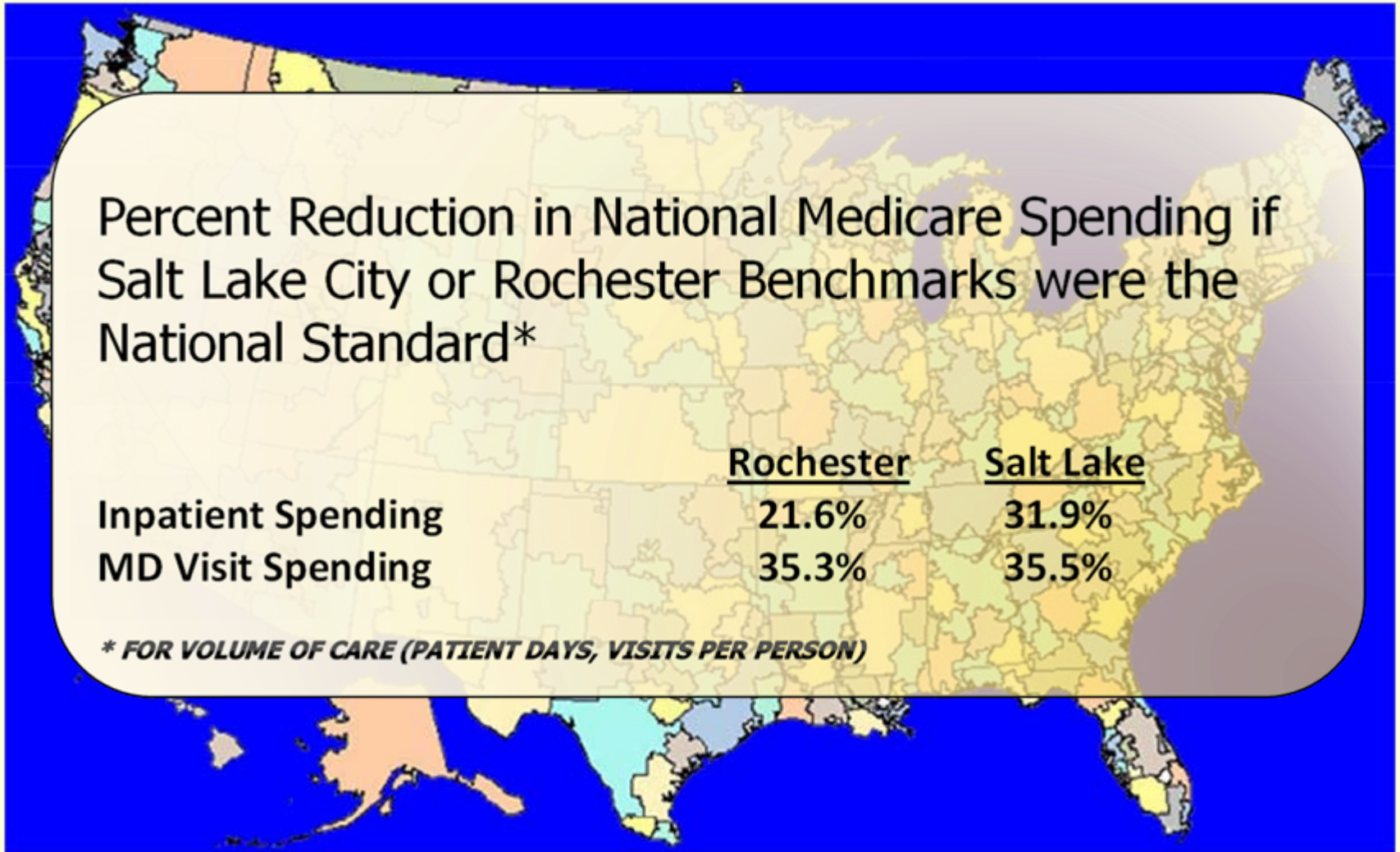
# Medicare Cost vs. Quality

Overall quality ranking



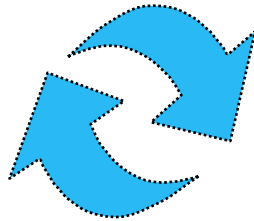
# The Dartmouth Atlas Project:

306 hospital referral regions

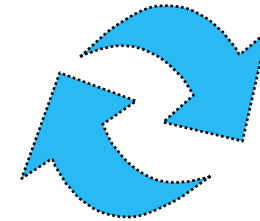


# Patient Online<sup>®</sup> : Advancing Collaborative Care

## EMPOWERING THE PATIENT



Medical Centers



NEW WORLD health systems

Referring Practice Online for: **Doug Spillies**

HOME Patient List All Appointment Requests All Messages Preferences Resources

Requests That Could Not Be Fulfilled

Requesting P.C.P.	Referred To	Submitted	Referring P.C.P.
DANIELA JOE	ORTHOPEDIC SURGERY	07/22/2004	Miller, Edward

Send Messages

Subject	From	Regarding	To P.C.P.
Candidate for Clinical Trial	BAKER, DAN		Miller, Edward

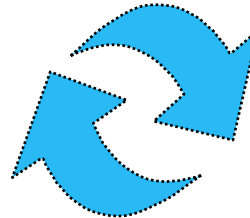
Pending Appointment Requests

Requesting P.C.P.	Referred To	Submitted	Referring P.C.P.
AMBER ANTUNIC	ORTHOPEDIC SURGERY	07/20/2004	Miller, Edward

Examiner Schedule

Patient	Appointment	Department	PCP	Status
BRINCEGA, ANTOINETTE A	7/21/2004 9:30 AM	OTOLARYNGOLOGY-HEALTH CLINIC	MILLER, EDWARD M.D.	SCHEDULED
BUTCHER, LARRY	7/22/2004 9:30 AM	ONCOLOGY	MILLER, EDWARD M.D.	ARRIVED
LEWIS, STEPHANIE B	7/19/2004 7:30 AM	ORTHOPEDICS	MILLER, EDWARD M.D.	ARRIVED
BOSMAN, JOHN	8/2/2004 9:30 AM	ORTHOPEDICS-HEALTH CLINIC	MILLER, EDWARD M.D.	NO SHOW
WIGGILL, MATTHEW J	8/2/2004 9:30 AM	ORTHOPEDICS-HEALTH CLINIC	MILLER, EDWARD M.D.	SCHEDULED
REICHERT, MICHAEL	8/2/2004 9:30 AM	ORTHOPEDICS-HEALTH CLINIC	MILLER, EDWARD M.D.	CANCELLED
SMITH, WENDY	8/2/2004 9:30 AM	ORTHOPEDICS-HEALTH CLINIC	MILLER, EDWARD M.D.	NO SHOW
NEWCOMB, SUE J	8/2/2004 2:30 PM	ORTHOPEDICS-HEALTH CLINIC	MILLER, EDWARD M.D.	CANCELLED
DOUGLASS, TROY	8/2/2004 1:30 PM	ORTHOPEDICS-HEALTH CLINIC	MILLER, EDWARD M.D.	SCHEDULED
NEWMAN, JAMISON H	8/2/2004 2:30 PM	ORTHOPEDICS-HEALTH CLINIC	MILLER, EDWARD M.D.	SCHEDULED
SMITH, ANDREW	7/29/2004 10:30 AM	NEUROLOGY	MILLER, EDWARD M.D.	ARRIVED
LEWIS, STEPHANIE B	8/3/2004 9:30 AM	ORTHOPEDICS-HEALTH CLINIC	MILLER, EDWARD M.D.	NO SHOW

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NEW WORLD health systems

New World Health Medical Center for Lori Basione

Home Front Desk Consultation Health Resources

help log out

Tip of the Day: Pay your bills online and save on postage.

**Front Desk**

- Appointments
- Personal Information
- Insurance
- Account Status
- Referrals
- Preferences

**Consultation**

- Messages
- Results and Reports
- Clinical Notes
- Medications
- Health History

**Health Resources**

- Maps & Directions
- Physician Directory
- Clinical Trials
- Health Encyclopedia

Updates

Message Type	Date	Provider
Is this low-carb thing for real?	06/19/2005	BAKER MD, DAN
It's flu season! Time for your flu shot.	06/19/2005	BAKER MD, DAN
Is Prilosec for me?	06/20/2005	BAKER MD, DAN
LS Spine X-ray	06/20/2005	BAKER MD, DAN

Since last login:





# Boston Medical Center & MA-Share IHE XDS Implementation



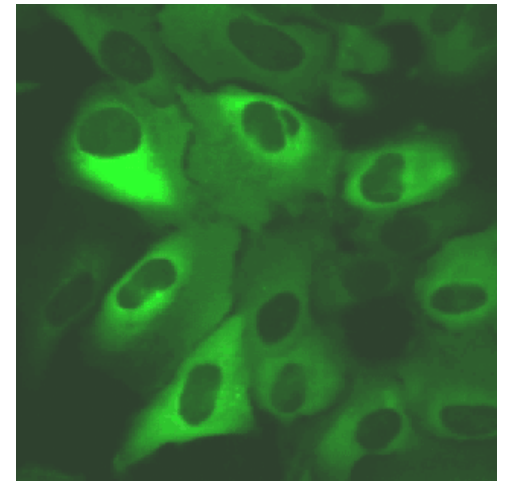
- Demonstrated at NHIN meeting in Washington, DC (01/2007)
- Integrates 9 separate EMRs in BMC community using IHE-XDS
- Includes XDS Registry, Repository, and Document Viewer
- Only EMR to show document sharing integrated into workflow



Production version to go live mid-2008

# OUR OPPORTUNITY:

To Address the biggest challenges in healthcare  
To Shaping a new age in medicine



THANK  
YOU



imagination at work

[Mark.Dente@GE.com](mailto:Mark.Dente@GE.com)