





Current Challenges for Teaching

- Service demands
 - Duty hours
- Funding Crisis
- Transparency & Accountability
 - What are we teaching?



Increased Accountability

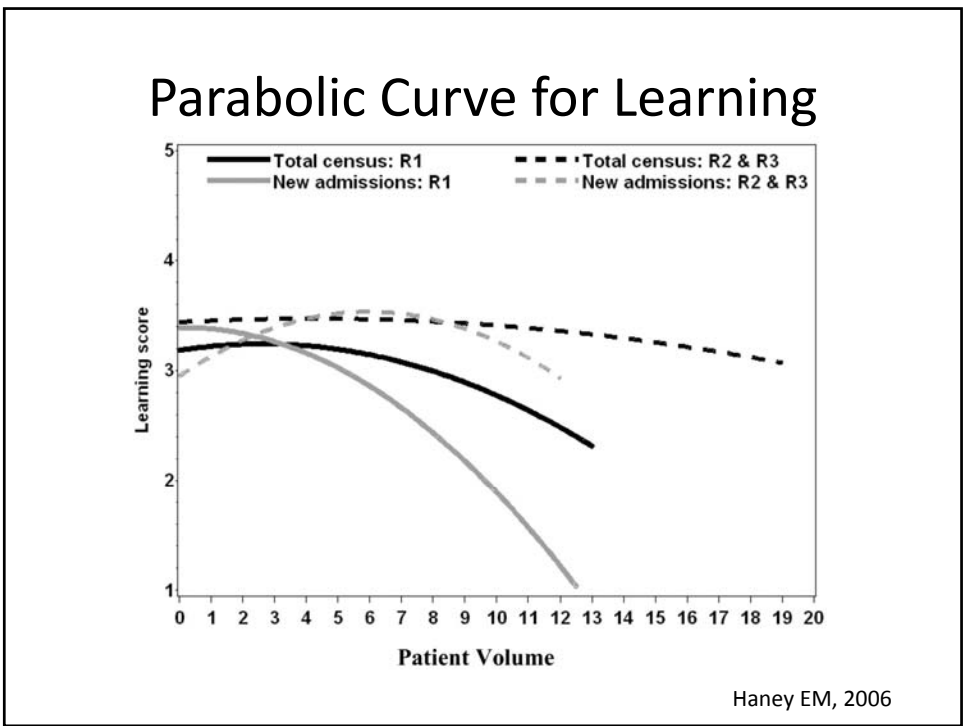
- MedPAC commissioned a RAND study of residency education
- **How Are Residency Programs Preparing Our 21st Century Internists?**
- RAND surveyed **26 IM programs**
 - practice-based learning and improvement
 - systems-based care
 - interpersonal and communication

Conclusion of RAND report

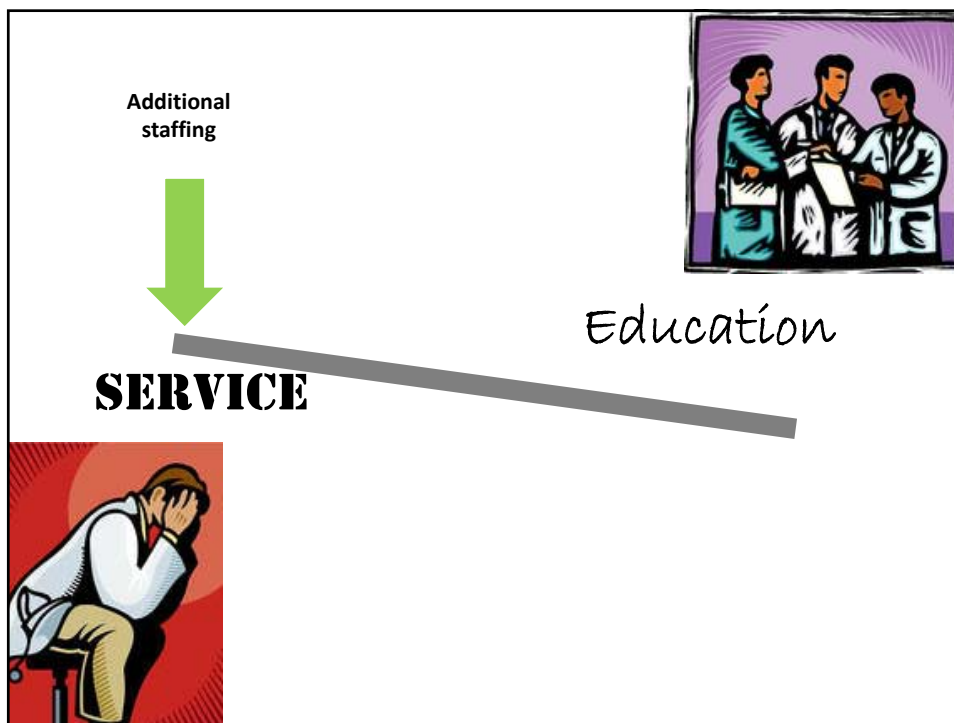
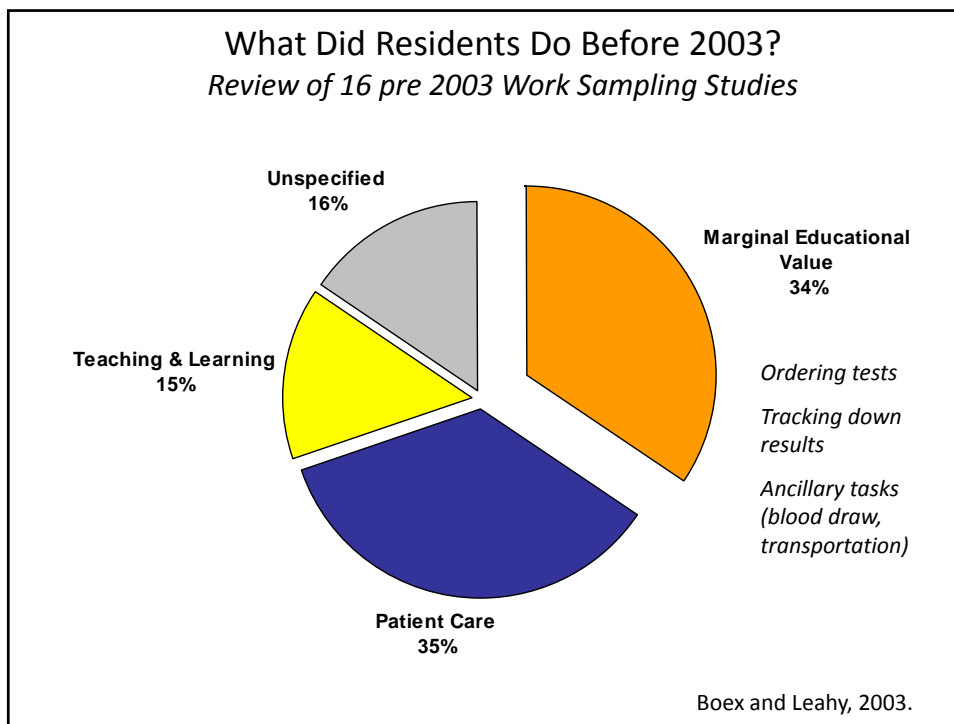
- Teaching in these topics far short from that recommended
- Several facilitators & barriers to improvement:
 - *Faculty time & expertise*
 - *available information technology*
 - program's setting
 - resident baseline knowledge, skills and interest
 - lack of evidence in educational methods and evaluation strategies



**BARRIERS
TO TEACHING ON INPATIENT ???**



Our Mission:
Restore Service-Learning Balance



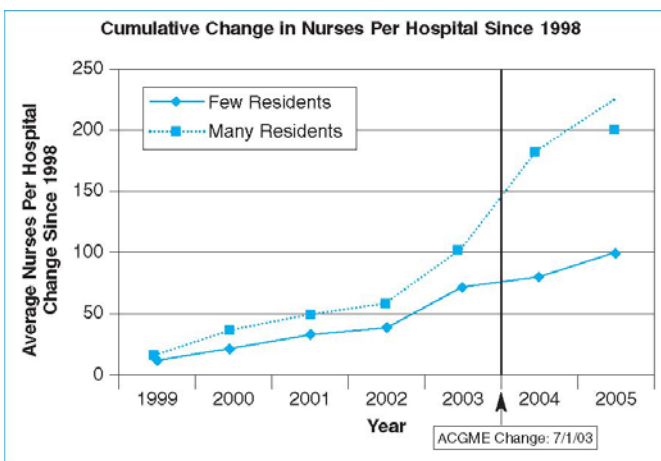
Studies of Physician Extenders

Year	Author	Specialty	Solution	Duty	Felt	Sleep	Hrs	Edu	Pt
1991	Simmer TL	IM	Physician/NP						+
1994	Holzman MD	Surgery	Critical care RN			+		+	
1999	Peckett WR	Surgery	Jr doctor asst	+				+	
1999	Henderson NC	Hospital	NP	+					
1999	Jack B	Hospital	Night nurses			+		+	
2003	Podnos YD	Surgery	College grad				+	+	
2006	Kendrick AS	Surgery	Trauma nurse	+			+		0
2006	Bellini LM	IM	NP		+				
2006	Resnick AS	Surgery	NP		+				
2008	Roy CL	IM	Hospitalist/NP						0
2008	Buch KE	Surgery	NP		+				
2008	Feinland JB	OB	Midwives		+				
2008	Stahlfeld KR	IM	NP or PA	+				+	

Average MERSQI 10.4 (3.27)

Workload – Solutions/Substitutes

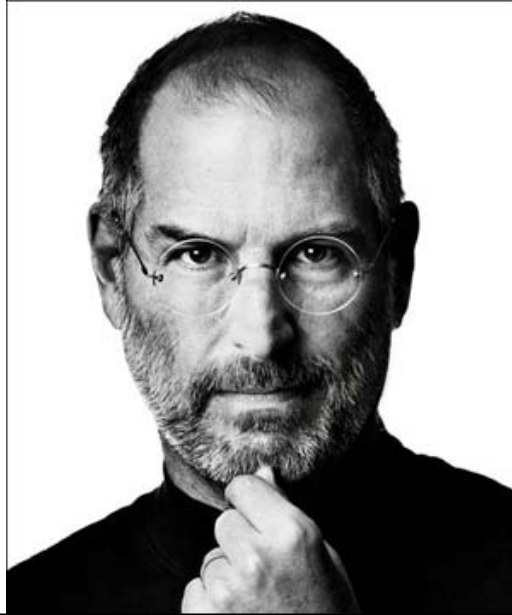
- Physician extenders
 - NP or PA
- Hospitalists
- Midwives
- Health assistants (college grads)
- IV team
- Electronic medical records
- Other technology solutions



Block & Norton, 2008

What would Steve Jobs say?

Computers themselves, and software yet to be developed, will revolutionize the way we learn (and live!)



Point of care technology: iPad?

- 78% more efficient on the wards with their iPad
- 70% saved time with iPad (1h/day)
- 56% could attend more conferences

n=100 (99%)



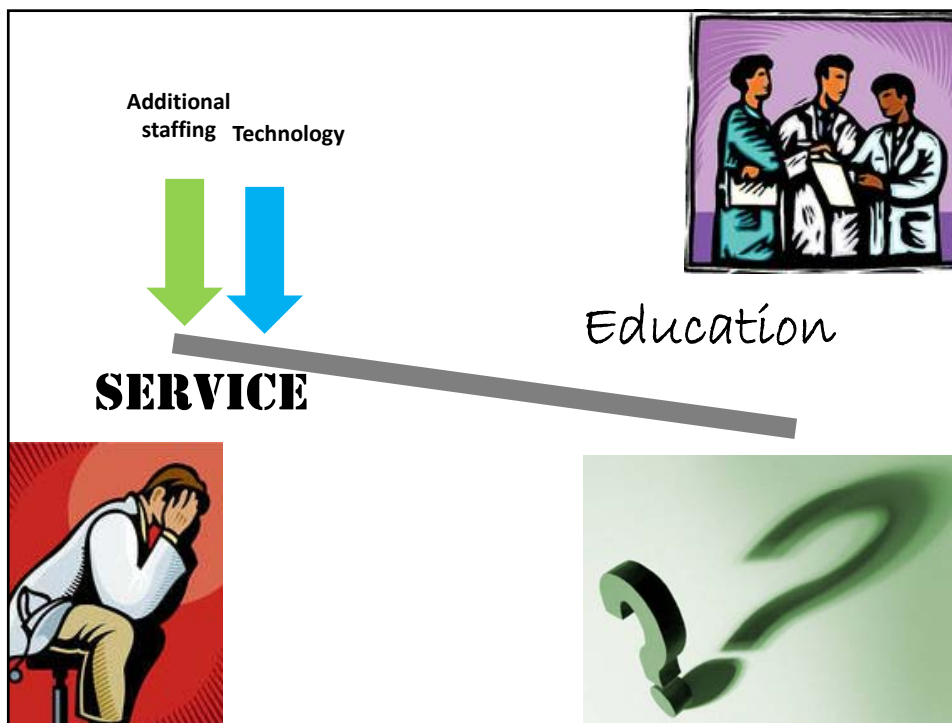
Continued Inpatient Care

- Residents often check labs, order labs and review records from home



Item	At least once/month	Frequently (>3 times/week)	Post-call day
Checking labs	93%	45%	62%
Review old records	76%	17%	28%
Order inpatient labs	69%	14%	37%
Dictate discharge summaries	60%	10%	31%

Deano, DeKosky, et al. *Arch Int Med* 2011



What would Osler do?

The successful teacher is no longer at a height, pumping knowledge into passive receptacles



Get out there and teach!

[It] can be so hopelessly reparable that the only solution is to...

***blow it up
and start
over!!***



WIKIPEDIA
The Free Encyclopedia

Radical Redesign:



Redesign Initiative in Internal Medicine Residency

- 2 attending physicians
- Maximum 15 patients- representing a decreased number of total patients
- Funding- Dept of Medicine



McMahon, 2010

Outcomes: Redesign Initiative in Internal Medicine Residency

-  time spent on educational activities
 - 20.2% total time vs 10.4%, $p < 0.001$
-  attending satisfaction
 - 82.9% teaching skills well used
 - 92.6% learned from co-attending



Aliki Initiative: Johns Hopkins Bayview

- # patients admitted ↓50%
- Focus on patient centered counseling and treatment
- Call or visit patients after hospital discharge
- Funding-
- Sustainability- more efficient care by hospitalists



Ziegelstein, Hellmann

The New York Times

A \$42 Million Gift Aims at Improving Bedside Manner



Peter Hoffman for The New York Times

Carolyn Bucksbaum and Dr. Mark Siegler. Ms. Bucksbaum and her husband, Matthew, have given money to the University of Chicago for a medical institute.

By DIRK JOHNSON

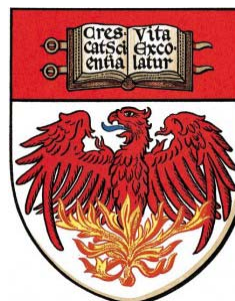
Published: September 22, 2011

CHICAGO — Carolyn Bucksbaum still bristles about an arrogant physician who brusquely dismissed her intuition about her ailment decades ago. It turned out she was right. The physician was wrong.

“We all make mistakes,” she said. “But he never even apologized.”

- RECOMMEND
- TWITTER
- LINKEDIN
- SIGN IN TO E-MAIL
- PRINT

- Students and trainees
- Research
- **Master clinicians-teachers**

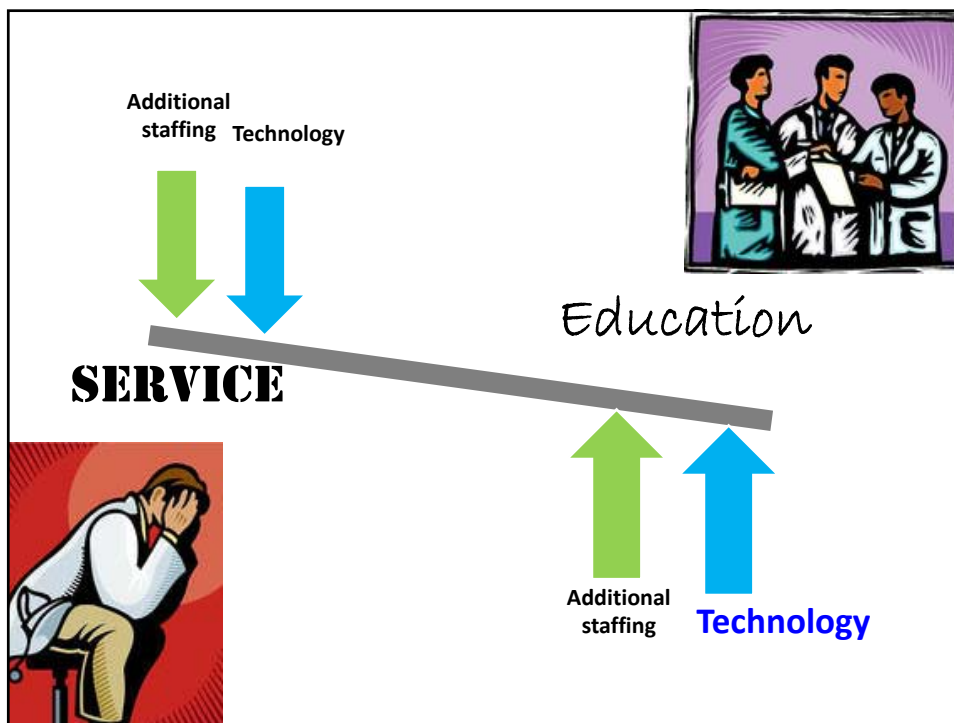


Adding "Teachers" onto the Team



Providing attending physicians with literature searches changed treatment in 18% of the pts (12%-24%)

Lucas et.al, 2004



Can technology help?

- Useful in outpatient setting
 - where time crunched & attendance variable (Hopkins Model)
- Decision support?
- Social media (Facebook / Twitter)
- Games?
- Videos?



“Stealth” Teaching

- Screen saver message (update periodically)
- Cedars-Sinai MC cultured physician hands
 - Culture result was photographed and made into screen saver



Illustration by Paul Sahre and Loren Flaherty

The Charge...

- Small tweaks will not yield big results
- Now is the time for big ideas
- Disruptive innovation is key
- Be bold...

They are coming soon...



Acknowledgments

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