

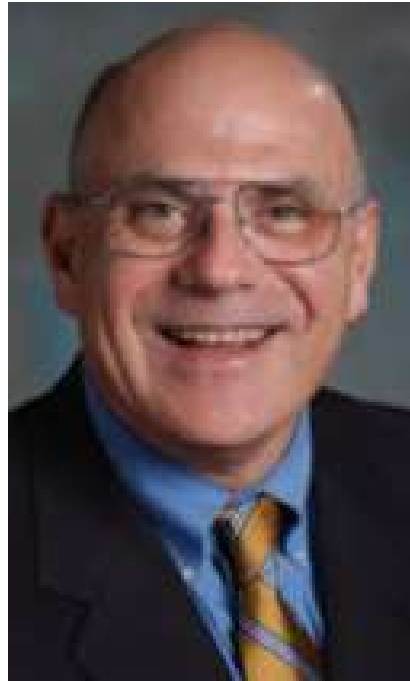
Sepsis Wave II

Achieving the Triple Aim in Critical Care Using Advanced IT and
Business Strategy

E·QUAL

EMERGENCY
QUALITY
NETWORK

Presenters



Timothy Buchman, MD



Cheryl Hiddleston
MSN, RN, CCRN-E

TCPi

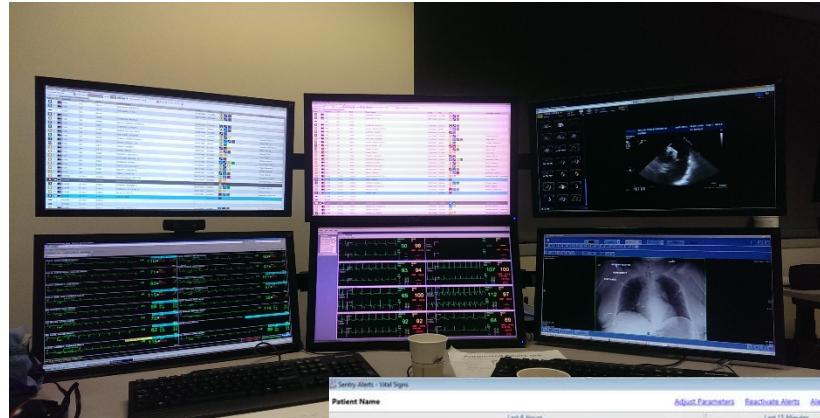
Transforming Clinical
Practices Initiative



American College of
Emergency Physicians®

ADVANCING EMERGENCY CARE 

Achieving the Triple Aim in Critical Care Using Advanced IT and Business Strategy



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Director, Emory eICU Center

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Founding Director,
Emory Critical Care Center
Emory eICU Center



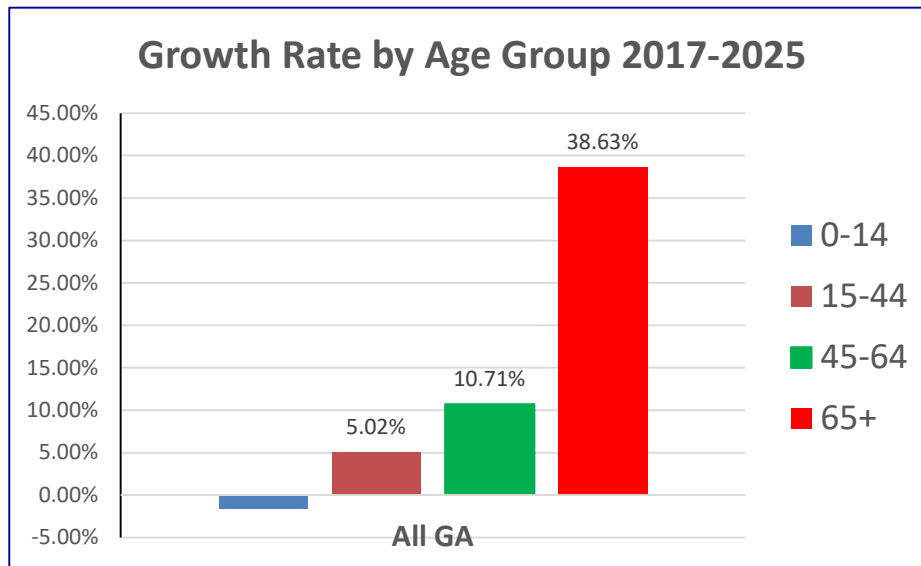
19 July 2017

Disclosures: None

Georgia's needs growing much faster than provider supply

Patient Population

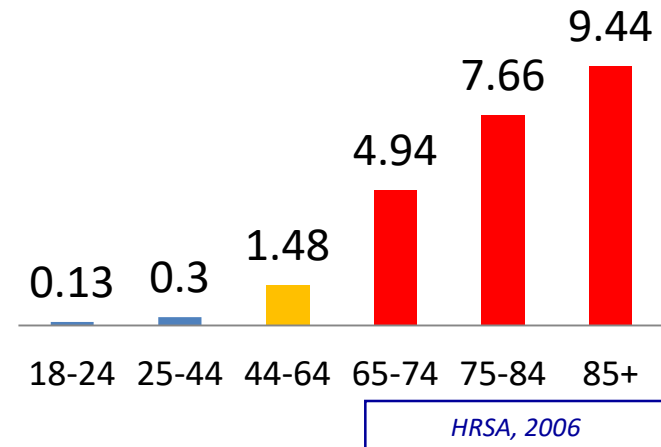
The "Over 65's" projected to increase by 39% in the next 8 years



Physician Demand

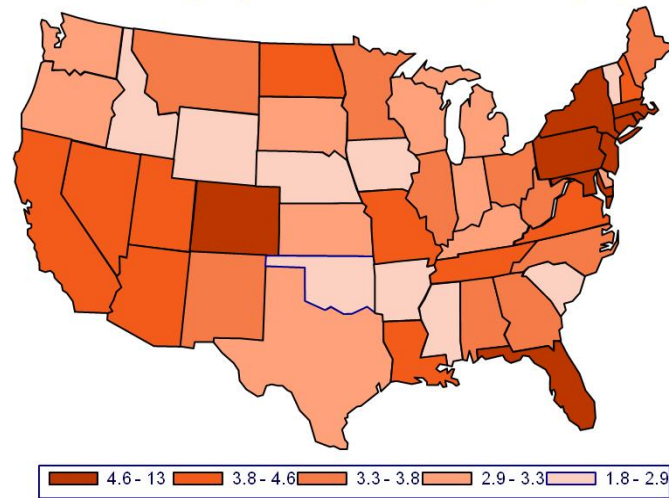
CCM MDs needed /100,000 population:

Older Georgians require much more CCM service

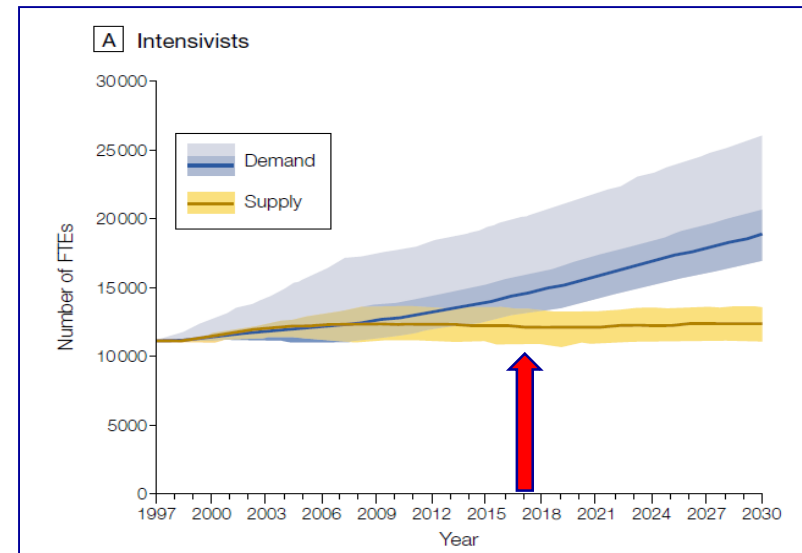


Physician Gap

Number of CCM physicians / 100,000 population

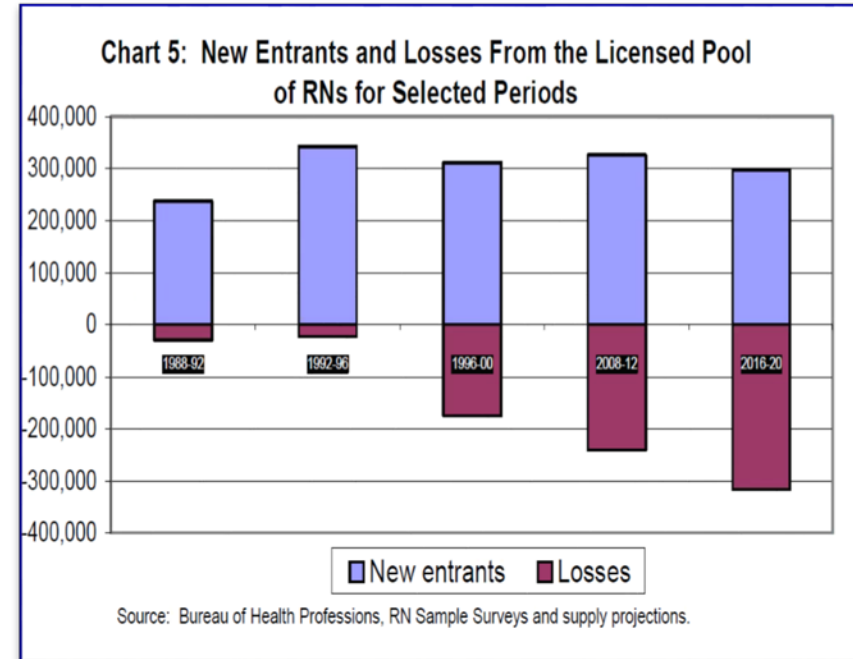
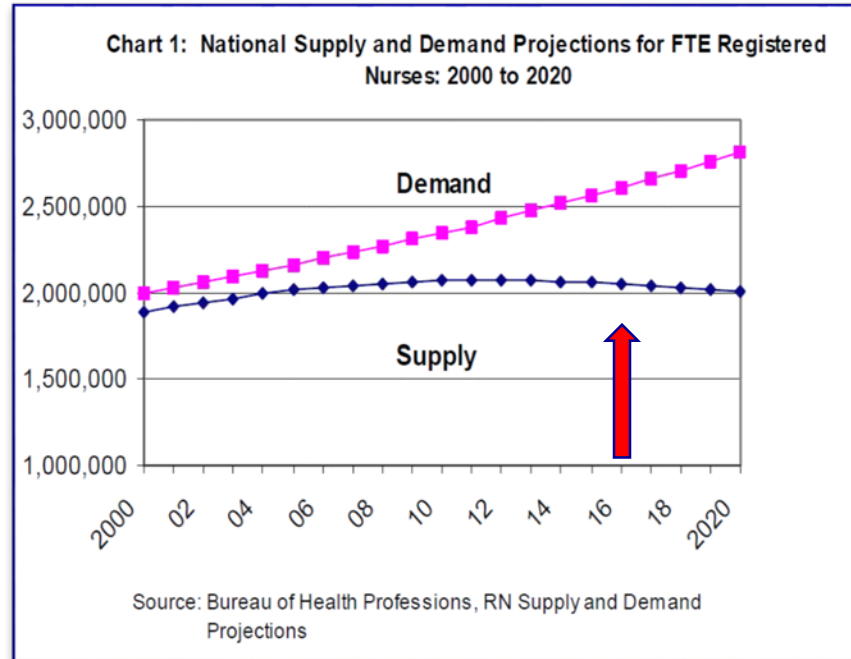


AMA Masterfile



Augus, 2000

Nursing Gap



Dunwoody:
The Clinical Operations Room
eRNs: 24 x 7 x 365
eMDs: nights weekends and holidays

Serving 11 ICUs totalling 132 beds in 5 hospitals
(2 university, 1 hybrid, 2 community)



What we do for colleagues:

- Sentry (alerts)
- Advisor (choices)
- Mentor (newbies)
- Consult (APPs, hospitalists)

And

- Patient Care
 - Tests
 - Treatments
 - Interpretation
 - Counseling

Since 2014: Patients and Staff

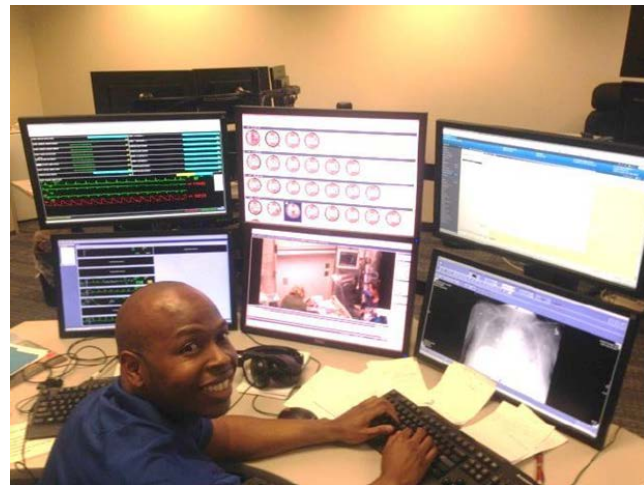
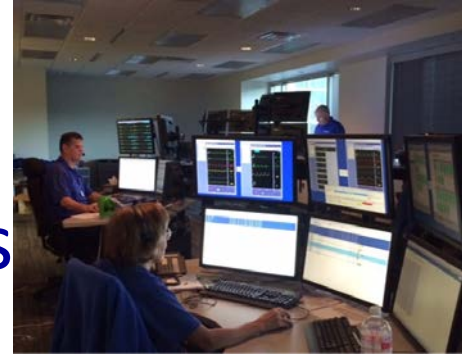
In the COR:

88,000 patient days

24,000 unique patients

56,000 eRN hours

12,000 eMD hours



New Hi-Tech Jobs

Preserving Accumulated
Wisdom in Aging Bodies

Enables Disabled Workers

What we see: “Air Traffic Control for the ICU”



“Georgia Achieves the Triple Aim”

--CMS

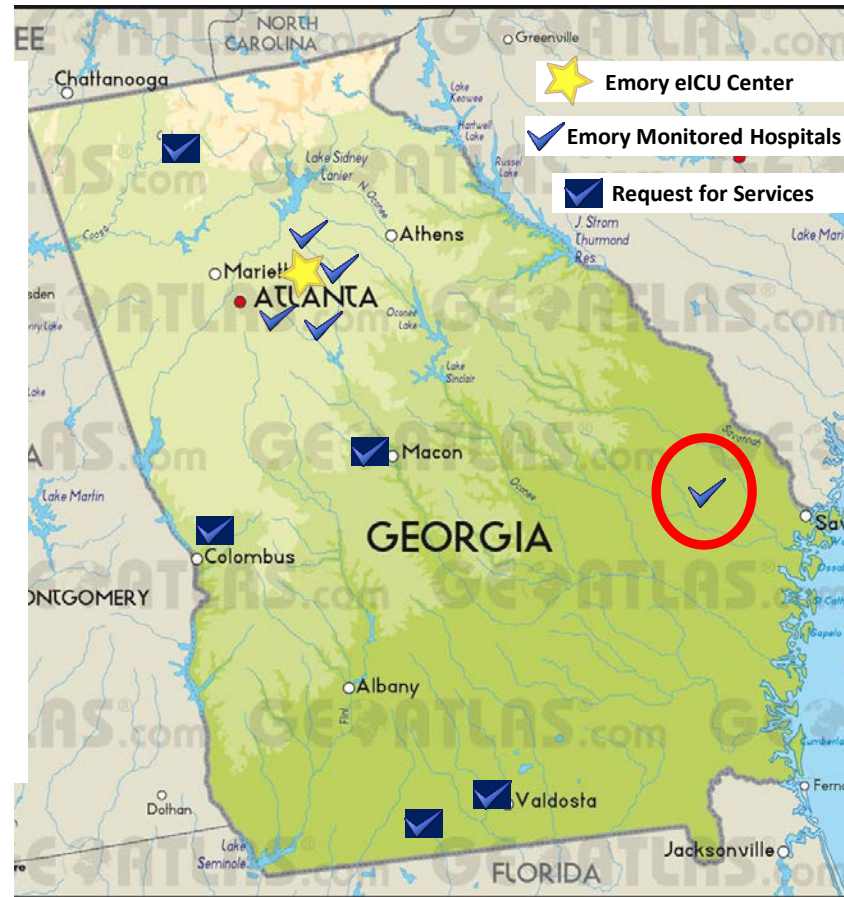
Emory eICU patients were compared to those in nine hospitals in our region

An episode of care = hospitalization plus 60 days post discharge

Health Care Innovation Awards	<ul style="list-style-type: none"> • 1 Billion Dollars • 3000 Applications • Only 1 first-round award in Georgia... to the Emory program
Better Health	<ul style="list-style-type: none"> • Reduction of Mortality • More patients sent home, not chronic care • Reduction of 60 day readmission rates
Better Experience of Care	<ul style="list-style-type: none"> • Reduction of LOS and • Higher Patient/Family Satisfaction
Lower Costs	<p>Proven Savings</p> <ul style="list-style-type: none"> • \$1486/patient episode (federal beneficiary) x 24,000 patients • Estimate \$33.6 million saved while caring for Georgia’s sickest patients

The SE USA: eICU Hubs and Emory services

Emory is the ONLY eICU Provider in Georgia
There are NO eICU Providers in SC, AL or North FL



Georgia wants more eICU services in all regions

Statesboro, GA

Emory Hospital teams up with Statesboro hospital

Posted: Aug 27, 2014 5:48 PM EST

Updated: Aug 27, 2014 5:48 PM EST

By WTOC Staff - email



Website: “We are dedicated to delivering technologically advanced medical attention in a respectful, caring environment. Our medical center is equipped with 149 patient rooms.”

Emory for Georgia: eICU for EGRMC

	Pre-eICU	Post eICU
ICU Mortality	8.25	↓ 3.79% (54%)
Critical Care ADC	7	↑ 11.8 (41%)
Transfers from ICU to outside hospital	8.77	↓ 6.15 (30%)
Medicare Case Mix Index	1.5185	↑ 1.5449 (2%)
ICU LOS	5.1	↓ 4.7 (18%)
ICU ADC	296	↑ 318

Emory, Telehealth, Georgia's Future

Challenge	Opportunities
Numbers: Too few experts for Georgia's growing population	<ul style="list-style-type: none">• Use of on-site APPs• Remotely supervised by Georgia-licensed experts• As a destination state for aging, meets ↑demand for immediate access to providers and services
Time: Hard to staff unsocial hours	<ul style="list-style-type: none">• Emory is the global leader "turning night into day"• Attracting professionals to Georgia• Rotating those Georgia professionals overseas
Distance: Rapid access to the best healthcare while remaining close to home	Telehealth industry built on making distance irrelevant: bring the expertise directly to the bedside

Georgia can lead the nation combining hi-tech with hi-touch care by leveraging telehealth.

We can create a new industry, generate new professional employment.

Right Care, Right Now, Every Patient, Every Time

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THANK YOU!

For More Information

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