Observation Medicine:

Past, Present, and Future

MCEP Observation Medicine: Science and Solutions 2017
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Michael A. Ross MD FACEP
Professor of Emergency Medicine
Emory University School of Medicine
Medical Director – Observation Medicine
Atlanta, Georgia

Disclosure of Commercial Relationships:

• Nature of Relationship Name of Commercial Entity

Advisory Board
Consultant
Employee
Board Member
Shareholder
Speaker's Bureau
Patents
None
None
None
None

• Other Relationships ACC Accreditation Management Board

Co-chair, ACEP E-QUAL Chest Pain (CMS TCPI)

Past CMS APC Advisory Panelist Chair – Visits and Observation Subcommittee

Topics

- A. Past leaders, definitions, science, and shifts
- B. Present leaders, trends, scope, benefits, and coming of age
- C. Future leaders, visions, policy, clinical practice, and big needs

A. The Past . . .

"Leave nothing to chance, overlook nothing: combine contradictory observations and allow enough time . . . A great part, I believe, of the art is to be able to observe"

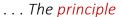


"Leave nothing to chance, overlook nothing: combine contradictory observations and allow enough time . . . A great part, I believe, of the art is to be able to observe"

... Hippocrates 410 B.C.



What is Observation Medicine?



- What defines Emergency Medicine?
 - TIME (acuity)
- What defines Observation Medicine?
 - TIME (acuity)
- What defines Observation Patients?
 - TIME (acuity)
 - ED LOS for admitted patients = 5 hours
 - IP LOS for admitted patients = 5 days
 - Penalties for short IP LOS?
 < 24 hours

• What about patients needing 6-24 hours of care???



History, Principles, and Policies of Observation Medicine

Emerg Med Cli n N Am 35 (2017) 50 518 http://dx.doi.org/1 0.1016/j.emc.20 17.03.001 ovsky, MDccdcc 07 33-8627/17/ 2017 Elsevier Inc. All rights reserved.

Michael A Ross. MD.*. Michael Gran ovsky. MD.cpcbc

Box 1 Principles of observation rnedicin

- Focused patient care goals a well-defined condit ion-specific patient care goal defined at
 the time of initiating observation services. Conditi on-specific guidelines specify patient
 selection for the observation unit interventions, and criteria for discharge or admission from
 the EPOLY.
- Limited duration and intensity of service the average length of stay of observation patients is 15 hours to 18 hours. Patients requiring a higher intensity of service are generally admitted.
- Appropriate hospital setting opt imal c lini cal, operational and economic outcomes occur in a type 1 setting as proximate to the ED as possible.
- 4. Appropriate staffing appropriate staffing levels of nurses ancillary, associate providers, and physicians is essential as is administrative oversight.
- Providing ongoing care in an outpatient setting clinical guidelines care pathways and protocols fall under 2 broad categ orie s: ADPs (eg chest pain) and accelerated treatment protocols (eg asthma).
- 6. Intensive review critical metrics must be collected to assure that benchmarktargets are being achie ved, for example, discharge rates (70 o), length of star (1 18 hours), and financial metrics. These targets are tracked for the whole EDOU and for specific clinical
- Economical service to be succ essful, an EDOU must be cost-eff ect i and equitable for all involved. Equitabl lity should include the hospital the physician and those pa ing for these services.

What is Observation Medicine?

... the "Service":

OUTPATIENT OBSERVATION SERVICES

 Observation services are those services furnished on a hospital's premises, including use of a bed and periodic monitoring by nursing or other staff, which are reasonable and necessary to evaluate an outpatient's condition or <u>determine the need for a</u> <u>possible admission as an inpatient</u>...

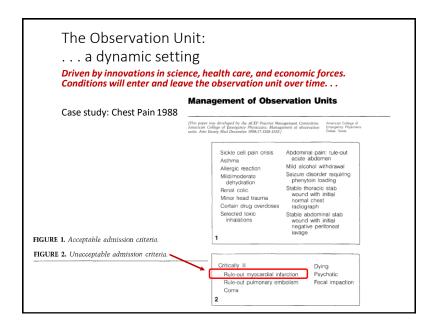
Medicare: Hospital Manual, 3663

To determine the need for inpatient admission. . .

What is an inpatient? - The "2-Midnight Rule" Definition

- A 2-midnight benchmark: FOR DOCTORS
 - An inpatient is expected to stay in the hospital at least two midnights:
 - 24 hours and 1 minute, or 47 hours and 59 minutes
 - Outpatient time (ED or observation) counts
 - Inpatient stays < 2-MN not paid as an inpatient
 - · except death, transfer, AMA, etc
- A 2-midnight presumption: FOR REVIEWERS
 - If a patient met benchmark criteria, the admission will not be scrutinized by reviewers (RAC, MAC, etc)

What is Observation Medicine? ... The "Setting": • Management "to determine the need for inpatient admission" • Target - 70-90% discharge within 15-18 hours • Setting – a protocol driven observation unit (type 1 setting) Hospital Settings In Which Observation Services Are Provided Setting Description Characteristics Protocol driven, observation Highest level of evidence for favorable outcomes Care typically directed by ED Care directed by a variety of specialists Discretionary care, observation Unit typically based in ED Protocol driven, bed in any Often called a "virtual observation unit" Most common practice Discretionary care, bed in any Unstructured care location Poor alignment of resources with patients' needs



The Observation Unit: ... a dynamic setting • 1999 ACEP Policy – Chest Pain restriction removed • Care shifted from an inpatient to an outpatient setting The Growing Role of Emergency Departments in Hospital Admissions Jerminia D. Schuur, M.D. M.H.S., and Agion R. Verkazerk, M.D. M.B.A. N ENGL J MED 367;5 NEJM.ORG AUGUST 2, 2012 Decline in inpatient admissions for symptoms related to AMI attributed to ED chest pain protocols Proportion of U.S. Hospitalizations in Which Patient Was Admitted through the Energency Department, 1993-2006.

The Observation Unit: . . . a dynamic setting

JAMA Internal Medicine | Original Investigation

Cardiovascular Testing and Clinical Outcomes in Emergency Department Patients With Chest Pain

Alexander T. Sandhu, MD, MS; Paul A. Heldenreich, MD, MS; Jay Bhattacharya, MD, PhD, M. Kate Bundorf, PhD JAMA Internal Medicine August 2017 Volume 177, Number 8

ESS IS MORE

Cardiac Testing After Emergency Department Evaluation for Chest Pain

Time for a Paradigm Shift?

Benjamin C. Sun, MD, MPP; Rita F. Redberg, MD, MSc JAMA Internal Medicine August 2017 Volume 177, Number 8

 "We strongly advocate for randomized clinical studies that will provide definitive guidance for this prevalent, high-risk, and vexing clinical problem."

What is Observation Medicine? ... a dynamic "Setting" • A "box" which conditions enter and leave over time... • Inpatient Observation Unit Outpatient • 1988 Chest Pain • 1999 Chest Pain • 2005 Chest Pain • 2017 Chest Pain

Why the shift???

- Driven by payer policy? An "insurance status"?
- Driven by malpractice risk?
- Driven by provider behavior?
- Driven by a random sequence of events?

Observation Medicine Research: Drives changes in Observation Medicine

- 1960s Growth of EDs. First Observation Units described
- 1980s Initial Chest Pain background research.
 - Novel studies in pediatrics, geriatrics, trauma, asthma, abdominal pain.
- 1990s Landmark RCTs (AHCPR) show efficacy of ADPs for Chest Pain and ATPs for Asthma.
 - 1998 SCPC forms.
- 2000 2010 Landmark RCTs of Syncope, TIA, Atrial Fibrillation.
 - Novel studies in the elderly, as well as the impact of an EDOU on hospitals.
- 2010 2017 Health Services Research focuses on the impact of obs units on hospitals, health systems, and policy.
 - Studies describing which chest pain patient do not need observation
- 2008 ACEP Policy on ED Observation Units . . . a new line in the sand

	REVIEW A	RTICLE						
State of the Art: Emergency Department Observation Units Michael & Ross. MIS* Terms drove. MIS.1 - Louis Graft MIS.1 Power Suris. MIS.4 Rath Of Wilder, MIS.4 Schwarz, Grow, MIS Swore Books, MIS.4 and Card Clock, MIS**								
Condition / Year / Author	<u>N</u>	Primary Outcome						
1. Syncope / 14 / Sun *	124	\downarrow admissions and LOS						
2. Chest Pain / 10 / Miller *	110	↓ Cost (stress MRI)						
3. Atrial Fib / 08 / Decker	153	↑ conversion to sinus						
4. TIA / 07 / Ross	149	\downarrow LOS and cost						
<i>5. Syncope</i> / 04 / Shen	103	\uparrow established diagnosis, \downarrow admissions						
6. Asthma / 97 / McDermot	222	\downarrow admissions, no relapse \uparrow						
7. Chest Pain / 98 / Farkouh	424	No difference cardiac events						
8. Chest Pain / 97 / Roberts	165	\downarrow LOS and cost						
9. Chest Pain / 96 / Gomez	100	\downarrow LOS and cost						
(Crit Pathways in Cardiol 2012;11: 128–138) *Added since published after this review								

Is "Observation Medicine" simply describing an insurance status?

No!

It is based on a growing body of literature that conforms to contemporary scientific evidence and medical practice.

Policy Statements

Policy statements and clinical policies are the official policies of the American College of Emergency Physicians and, as such, are not subject to the same peer review process as articles appearing in the journal. Policy statements and clinical policies of ACEP do not necessarily reflect the policies and beliefs of Annals of Emergency Medicine and its editors.

Emergency Department Observation Services
Revised and approved by the ACEP Board of Directors January 2008. [Ann Emerg Med. 2008;51:686.]

Emergency department (ED) patients frequently require services beyond their initial ED care to determine the need for inpatient admission. These distinct and reimbursable services may include but are not limited to: further diagnostic evaluation, continued therapy or management of acute psycho-social issues.

To promote quality of care and patient safety for ED observation patients, the American College of Emergency Physicians (ACEP) supports the following principles:

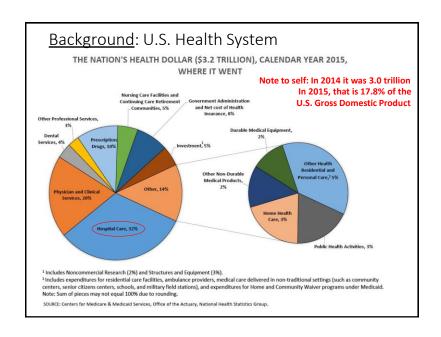
- Observation of appropriate ED patients in a dedicated ED observation area, instead of a general inpatient bed or an acute care ED bed, is a "best practice" that requires a commitment of staff and hospital resources.
- An emergency physician and emergency nurse should direct ED observation areas with clearly defined administrative responsibilities for the unit.
- · Written policies and procedures for the ED observation area should be approved by appropriate ED and hospital medical
- · ED observation area policies and procedures should address the following:
 - Patient criteria for admission into the unit, discharge from the unit, and admission to an inpatient bed;
 A clear statement of which physician bears clinical responsibility for each patient in the area;

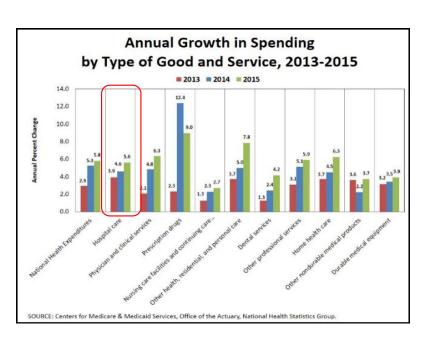
 - A clear delineation of emergency physician and nursing staff roles and responsibilities throughout the day including how care will be transferred between providers;
- Circumstances that require notification of the physician who is responsible for the patient; Maximum allowable length of stay in the unit and means to address outliers; and
- · A description of how utilization and relevant quality measures will be monitored and reported
- ED observation areas should have adequate space, staffing, equipment, and supplies appropriate for the conditions being
- · Mechanisms should be in place to expedite the discharge or the transfer of patients to an inpatient bed, when appropriate.

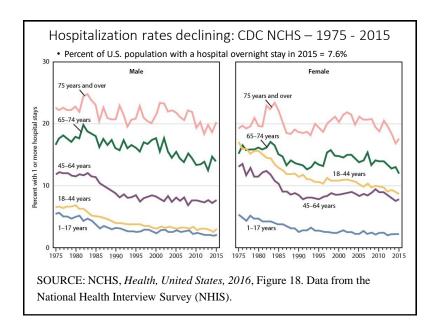
B. The Present

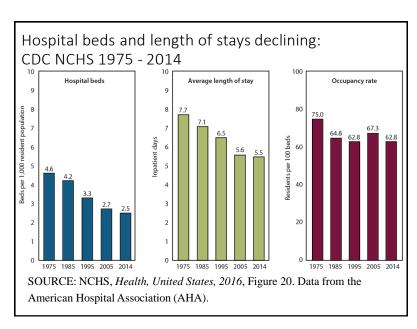
- 1. Leaders
- 2. Trends
- 3. Scope
- 4. Benefits
- 5. Coming of age







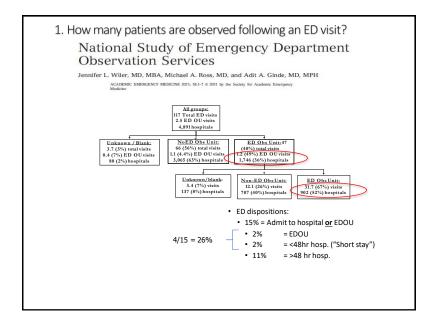


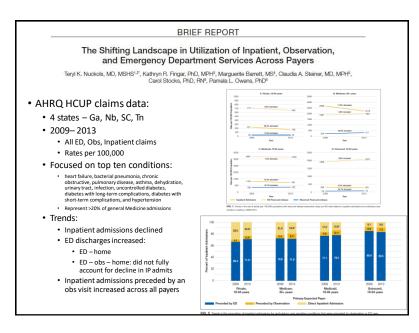


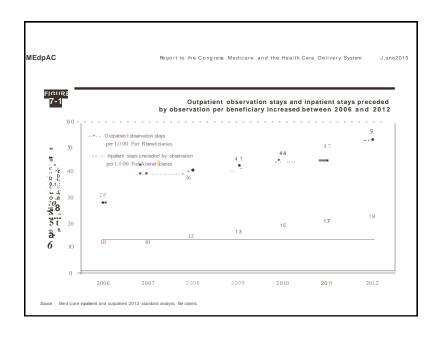
Why the shift from inpatient to outpatient

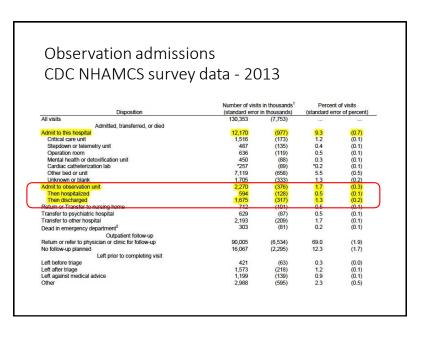
- Innovations in medical science
- Innovations in clinical practice
- Payer policy driven to control health costs
- Patient driven desire to not be hospitalized
- Contracting hospital beds in the face of an expanding Medicare population

- 3. Scope of Observation Services in the U.S.
- 1. What percent of patients staying in the hospital following an ED visit are "observation" status?
- 2. What percent of U.S. Hospitals have an observation unit?
- 3. What percent of U.S. Emergency Medicine Residencies include training in Observation Medicine?









2. Percent of hospitals that have an obs unit CDC NHAMCS survey data 2011

	ED annual visit volume Metropolitan status											
Hospital and ED characteristics	Tota	al ¹	Fewer tha	n 20,000	20,000 to 49,999		50,000 or more		Metropolitan area		Not metropolitan are	
	Percent distribution (standard error)		Percent distribution (standard error)		Percent distribution (standard error)		Percent distribution (standard error)		Percent distribution (standard error)		Percent distribution (standard error)	
All EDs	100.0	- 12	100.0		100.0	100	100.0		100.0	100	100.0	
Hospital characteristic Number of days in week that elective surgeries are scheduled:												
0_4	13.0	(3.7)	00.4	(7.8)	*0.1	(0.1)	*3.4	(2.0)	*8.2	(3.8)	*22.1	(7.4)
5	70.2	(4.4)		(8.4)		(3.1)	68.1	(5.9)	71.0		68.6	(8.3)
6-7	10.2	(2.4)		(4.7)		(2.1)	17.6	(4.5)	14.6		*2.1	(2.0)
Unknown or blank	*6.5	(2.0)		(3.5)		(2.4)			*6.3	(2.1)	*7.1	(4.4)
Has bed coordinator:	-0.5	(2.0)	-5.0	(3.5)	-5.2	(2.4)	-10.9	(4.0)	-0.3	(2.1)	-7.1	(4.4)
Yes	00.0	(4.5)	40.0	(8.0)	80.9	(4.3)	88.7	(3.9)	77.0	(4.3)	44.0	(8.2)
No.	66.2 26.8	(4.5)	48.0	(8.6)	13.7	(3.6)	*7.2	(3.0)	77.8 16.4	(3.8)	46.7	(9.0)
Unknown or blank	*7.0	(2.6)		(5.7)		(2.3)	*4.1		*5.8	(2.6)	*9.3	(5.9)
	-7.0	(2.0)	-9.0	(5.7)	5.9	(2.3)	24.1	(2.7)	-5.0	(2.0)	-9.3	(5.9)
How often hospital bed census data are available:												
Instantaneously	79.8	(3.3)		(5.6)		(4.6)	78.3		71.7		95.3	(3.3)
Every 4 hours	*4.0	(1.6)	*3.1	(2.9)	*4.8	(2.6)	*4.3	(2.2)	*5.5	(2.4)	*1.1	(1.2)
Every 8–12 hours	*2.2	(1.3)	2000	101	*4.8	(3.1)	*1.8	(0.9)	*3.4	(1.9)	10000	200
Every 24 hours	6.4	(1.9)	*5.9	(3.1)		(2.9)	*7.4	(3.3)	7.9	(2.3)	*3.6	(3.0)
Other	*0.5	(0.3)	200	***		(0.8)	*0.4	(0.4)	*0.8	(0.5)	17	100
Unknown or blank	7.0	(2.0)	*4.4	(3.4)	*9.4	(3.0)	*7.9	(3.2)	10.7	(2.9)	15	100
ED characteristic												
ED uses electronic medical records												
Yes, all electronic	48.9	(5.0)		(8.4)	59.9	(5.3)	59.4	(5.8)	51.5	(4.9)	43.9	
Yes, part electronic	34.8	(3.8)		(7.1)		(5.1)			33.1	(4.3)	38.1	(6.9)
No	14.6	(3.3)		(7.0)	11.0	(3.0)		(4.4)		(2.9)	*18.0	(7.6)
Unknown or blank	*1.7	(1.4)	*3.4	(3.3)			*1.8	(1.0)	*2.7	(2.1)		-
Has observation or clinical decision unit												
Yes	20.7	(3.5)	*18.3	(6.4)	20.3	(5.2)	27.0	(4.8)	20.7	(3.9)	*20.8	(7.7)
No	75.2	(3.6)	77.8	(6.8)	75.9	(5.6)	68.0	(4.8)	73.4	(4.0)	78.6	(7.7)
Unknown or blank	*4.1	(1.8)	*3.9	(3.3)	*3.8	(2.5)	*5.0	(2.5)	*5.9	(2.6)	*0.6	(0.6)
Admitted patients were ever boarded 2 or more hours in the ED while waiting for an inpatient bed												
Yes	62.4	(4.1)	31.6	(7.1)	83.3	(4.0)	86.7	(3.7)	76.1	(4.5)	36.0	(8.2)
No	32.5	(4.3)	63.6	(7.4)	*9.5	(2.9)		(3.5)	18.2	(3.8)	59.9	(8.5)
Unknown or blank	*5.2	(1.9)	*4.8	(3.4)	*7.2	(3.8)	*1.9	(1.1)	*5.7	(2.7)	*4.1	(3.0)
If ED is critically overloaded, admitted patients are boarded in inpatient hallways or in another space outside the ED												
Yes	20.0	(2.8)	*17.0	(5.5)	18.2	(4.2)	30.8	(5.2)	23.0	(3.2)	*14.3	(5.2)
No	73.1	(4.0)	72.5	(8.2)	79.5	(4.7)	60.9	(6.3)	68.6	(4.2)	81.5	(7.2)

3. How many E.M. residencies have training in Observation Medicine?

Survey of all E.M. residencies in 2000 to evaluate observation unit (OU) prevalence, emergency medicine (EM) resident exposure in observation medicine (OM), EM faculty/residency director (RD) OM training, and RD attitudes toward OM.

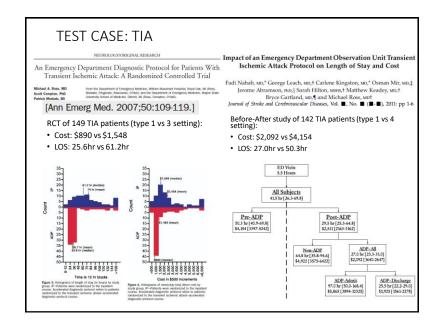
• RESULTS:

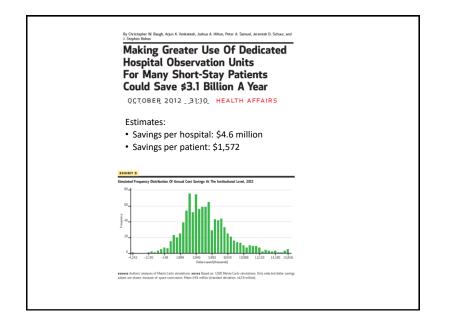
- 36.1% have OUs
- 44.9% plan to have an OU.
- · Observation medicine resources included:
 - Textbooks 32.0%
 - Articles 45.9%
 - Lectures 36.9%
 - Fellowships 2.5%
 Research 26.2%
- · Observation medicine patient care occurs
- 1) during residency: 25.4% of RDs, 11.3% of entire faculty
- 2) as an attending: 45.1% of RDs
- CONCLUSIONS: Nearly two-thirds of EM programs have or are planning an OU. Resources are lagging behind. This survey describes current OM education strategies to teach OM.

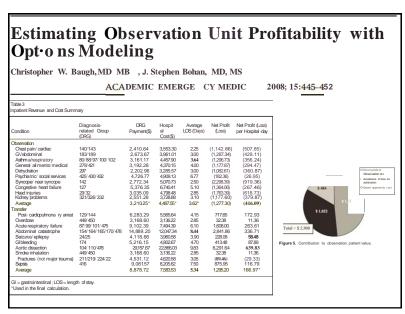
Mace, S. E. and J. Shah (2002). "Observation medicine in emergency medicine residency programs." $\underline{Acad} \ \underline{Emerg\ Med}\ \pmb{9}(2): 169-171$

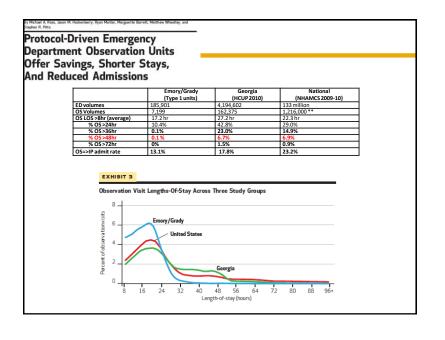
4. Major Benefits

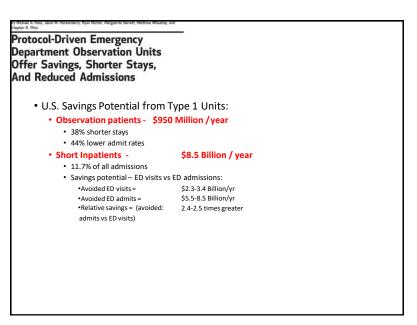
- 1. Local What is the impact of type 1 EDOU on hospitals in terms of:
 - Cost reduction
 - · Revenue enhancement
- 2. National What is the potential impact of type 1 EDOUs on the U.S. health care system?
- 3. Providers











Avoidable ED visits vs Avoidable ED admissions Which saves more?

		Avoided BD admissions				
	Avoidable ED visits	Inpatient admissions under 48 hours	Inpatient admissions under 48 hours with OU eligible conditions			
Total ED visits, n	128,970,364	128,970,364	128,970,364			
Eligible ED visits, n	7,093,370	7,340,408	4,544,836			
Eligible ED visits eligible, %	7.0	5.7	4.5			
Ave subgroup cost per case ^c , US \$	687 ⁴	4,679*	4,451			
Total cost, ⁹ millions US \$	6,202	34,346	20,229			
Reduction range (low-high), %	37-55 ²⁴	27-42 ^{20,21,h}	27-42 ^{20,21,h}			
Low estimated reduction, millions US \$	2,295	9,273	5,462			
High estimated reduction, millions US \$	3,411	14,425	8,496			
Low ratio ^h	N.A.	4.0	2.4			
High ratio ^h	N.A.	4.2	2.5			

THE PRACTICE OF EMERGENCY MEDICINE/ORIGINAL RESEARCH

Use or Abuse? A Qualitative Study of Emergency Physicians' Views on Use of Observation Stays at Three Hospitals in the United States and England

Graham P. Martin, PhD*; Brad Wright, PhD; Azeemuddin Ahmed, MD, MBA; Jay Banerjee, MBBS, MEd; Suzanne Mason, MBBS, MD; Damian Roland, MBBS, PhD

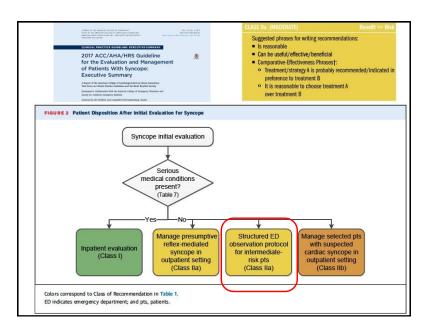
- Qualitative interviews
 - 3 hospitals (1 U.S., 2 England)
 - 24 Emergency Physicians
 - Physician views of antecedents of observation care:
 - · Economic, operational issues
 - Observation as a "safe space" for patients with unresolved medical, social, and legal issues.
 - Ann Emerg Med, March 2017

- Physicians used observation status for the specific presentations for which it is well evidenced but acknowledged administrative and financial considerations in their decision making.
- They also highlighted an important role for observation not described in the literature: as a "safe space," relatively immune from the administrative gaze, where diagnostic uncertainties, sociomedical problems, and medicolegal challenges could be contained.

5. Observation Medicine has come of age . . . NEUROLOGY/CLINICAL POLICY Clinical Policy: Critical Issues in the Evaluation of Adult Patients With Suspected Transient Ischemic Attack in the Emergency Department From the American College of Emergency Physicians Clinical Policies Subcommittee (Writing Committee) on Suspected [Ann Emerg Med. 2016;68:354-370.] Transient Ischemic Attack: CRITICAL QUESTIONS 3. In adult patients with suspected TIA, is carotic 2. In adult patients with suspected TIA, what imaging can be safely delayed from the initial ED workup? ultrasonography as accurate as neck CTA or MRA in identifying severe carotid stenosis? In adult patients with suspected TIA, are there clinical decision rules that can identify patients at very low short-term risk for stroke who can be safely. Patient Management Recommendations. Level A recommendations. None specified. Level B recommendations. None specified. Level C recommendations (1) The safety of delaying neuroimaging from the initial ED workep is unknown. If noncontrast beain MRI is not readily available, it is discharged from the ED? Patient Management Recommendations Patient Management Recommendations Level B recommendations. None specified. Level B recommendations. None specified. Level C recommendations. In adult patients with Level A recommendations. None specified. Level B recommendations. In adult patients with suspected TIA, do not rely on current existing risk stratification instruments (eg. age, blood pressure, clinical features, duration of TIA and presence of diabetes suspected TIA, carotid ultrasonography may be used to reasonable for physicians to obtain a noncontrast head CT as part of the initial TIA workup to identify TIA mimics exclude severe carotid stenosis because it has accuracy [ABCD2] score) to identify TIA patients who can be safely similar to that of MRA or CTA. discharged from the ED. (eg, intracranial hemorrhage, mass lesion). However, noncontrast head CT should not be used to identify patients at high short-term risk for stroke. (2) When Level C recommendations. None specified. 4. In adult patients with suspected TIA, can a rapid ED-based diagnostic protocol safely identify patients at short-term risk for stroke? feasible, physicians should obtain MRI with diffusion-weighted imaging (DWI) to identify patients at high shot term risk for stroke. (3) When feasible, physicians should obtain cervical vascular imaging (eg, carotid ultrasonography, CTA, or MRA) to identify patients at high short-term risk for stroke. Patient Management Recommendations Level A recommendations. None specified. Level B recommendations. In adult patients with

suspected TIA without high-risk conditions,* a rapid EDbased diagnostic protocol may be used to evaluate patients

Level C recommendations. None specified.





EDUCATIONAL ADVANCE

A Model Longitudinal Observation Medicine Curriculum for an Emergency Medicine Residency

Writing committee: Matthew Wheatley, MD, Christopher Baugh, MD, MBA, Anwar Osborne, MD, MPM, Carol Clark, MD, Philip Shayne, MD, and Michael Ross, MD

ACADEMIC EMERGENCY MEDICINE • April 2016, Vol. 23, No. 4 • www.aemj.org

- PGY I Principles and observation patient selection
- PGY II Managing patients in the observation unit
- PGY III Managing the observation unit
- Fellowship Learning the research, clinical science, administration, and policy of observation medicine

What is Observation Medicine?

- ... is it a procedural or cognitive skill?
- Procedural skill analogy: Ultrasound
- Like an ultrasound machine, users of an observation unit need to know its:

ØHow to operate it

ØWhen it breaks how to fix it

ØCost of purchasing and best models

 \emptyset Indications for use

ØLimitations

ØProven benefits

- <u>Cognitive skill analogy</u>: <u>Toxicology</u>
- Like toxicology, observation medicine is:

ØA cognitive (non-procedural) skill

ØAII ED physicians must know

ØThere are benefits to having local content experts (Obs Unit Directors) to run the program

<u>C. The Future</u> . . .

- 1. Future leaders
- 2. A vision for Emergency Medicine
- 3. Home to home
- 4. Policy directions
- 5. Teaching Observation Medicine
- 6. Future roles Short Stay Services
- 7. The big request. . .

1. Fu ture leaders* ...



*? - **YOU**

2. A vision for Emergency Medicine: the "Central Hub" model

Decentralized Model:

The emergency department is a necessity that must be "dealt with" that competes with elective cases for beds

Emergency physicians run codes and triage patients

Major services own and run their respective "pieces" of the ED

Care is fragmented and more costly

Central Hub Model:

Emergency department is the "front door" of the hospital

Triage is the central focal point

- · Urgent care centers
- Prehospital care
- Resuscitation
- Specialty zones (trauma, peds)
- Observation unit
- · Care coordination

Patient centered, less costly

3. Shift from "readmissions" to "home to home"

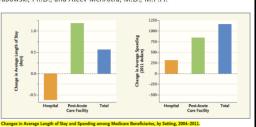
PERSPECTIVE

ASURING WHAT MATTERS TO PATIENTS AND PAYERS

Home-to-Home Time — Measuring What Matters to Patients and Payers NENGLJ MED 377;1 NEJM.ORG JULY 6, 2017

Michael L. Barnett, M.D., David C. Grabowski, Ph.D., and Ateev Mehrotra, M.D., M.P.H.

- Post acute care (SNF) following admission has increased from 5% to 20% of Medicare discharges.
- Time away from home is what matters most to patients
- For selected patients, type 1 observation units can improve this metric



Canges in length of star (in days) and spending (in 2011 dollars) were estimated using a 20% sample of Medicare administrative claims from 2004 to 2011. We calculated the annual swrage length of star and inflation-adjusted Medicare symmetrs for all hospitalized beneficiaries by setting in three categories: hospital, pooling to status end field) using disclible, inspatient includes beneficiaries with part of setting in three categories: hospital, pooling the setting in three categories can be a small number of entering fieldites, inspatient rehabilitation facilities, and long-term care hospitals), and total. Because a small number of entering long stays at skiller surring this source states are setting to the categories of the star of the st

4. Policy directions. . .

- Current Medicare policy issues:
 - Count time in observation toward the 3 day SNF rule
 - Include Self Administered Meds in the Comprehensive APC
- Clarify and address physician payment issues and incentives
- Address the CPT conundrum:
 - Which Evaluation and Management Service does not have its own "site of service" code"?
 - 1. Emergency
 - Clinic
 - 3. Critical Care
 - 4. Inpatient
 - 5. Observation

5. Teaching Emergency Medicine: Avoidable ED visit vs Avoidable ED admissions

- Avoidable ED visits
 - Under constant scrutiny by policy makers
 - Currently being provided by APPs in most EDs
 - Being shifted to Urgent Care Clinics
- Avoidable ED admissions
 - Maintains the "Central Hub" model of EM
 - · An area where EM has clearly established expertise
 - Strong evidence of improved outcomes relative to traditional practices
 - Ability to rapidly adapt to innovations in health care and clinical science

6. Future Roles:

New clinical areas for Observation Medicine

- Continued chest pain transitions to outpatient settings
- New Protocols:
 - Venous Thromboembolism (low risk PE)
 - Subacute small strokes
 - Post procedural patients cardiac catheterizations, appendectomies
 - Hemodialysis patients
 - Mild Moderate DKA
 - · Psychiatric emergencies
- Innovative approaches:
 - · Alternative health care settings:
 - · Satellite and freestanding EDs
 - Rural settings
 - · Integration with paramedicine and telemedicine
 - · Home ADPs and ATPs?

6. Future Roles:

Evolution of the Observation Unit Medical Director

- Observation Unit Director skill set:
 - Clinical skills
 - · Emergency Medicine, Internal Medicine, Family Medicine, Pediatrics
 - Unique Knowledge Observation Medicine
 - Administrative skill designing and running a unit, leadership, team building
 - · Health Policy expertise required
 - · Emergency, Observation, Inpatient policy issues
 - · Medicare policies and updates
 - · Full understanding of issues around "Obs, LOPS, and SIPS"
 - · CPT coding and billing
 - Analytic skills I.T., data analytics; reporting for utilization, quality, and finance
 - Academic Medical Centers
 - Service above
 - · Integration into training programs
 - · Clinical and health services research



WHY STOP THERE???

EDOU Medical Director – growth to the next level

- ED OU director will likely have the most expertise in the management of observation patients, and short stay services.
 - Observation Patients (Obs)
 - Long OutPatient stays (LOPS, or elective outpatient procedures)
 - Short InPatient Stays (SIPS)
- Expand the foot print:
 - Address "disparities in care" of observation patients by settings
 - · Observation patients -
 - ANYWHERE in a hospital
 - ANYWHERE in a system
 - · Analyze by setting, service, disposition
 - · Opportunity to
 - · Improve quality of care
 - Decrease cost
 - · Open inpatient bed (revenue enhancement)

Emory Healthcare: Short Stay Services Project April 2015 – March 2016

• **Population**: Discharged observation status patients

• <u>Timeframe</u>: 12 consecutive months • **Hospitals**: EUH, EUHM, ESJH, EJCH

• Settings: ED Obs Unit (CDU), HMS Obs Unit (HMS OU), Floor (Non-OU)

• Outcome: Census, LOS, Total Direct Cost, Savings (relative to floor).

Setting	# Units (# Beds)	Count of Cases	Percent total	Ave LOS (hrs)	Bed Days Saved (per year)	Ave Total Direct Costs	Cost savings (per year)
CDU	3 (29)	6,017	46%	17	4,065	\$1,342	\$3,824,115
HMSOU	2 (20)	2,040	16%	28	398	\$1,874	\$211,254
Non-OU	N.A.	4,916	38%	33	0	\$1,978	0
Grand Total	5 (49)	12,973	100%	25	4,464	\$1,667	\$4,035,369

7. The big request . . .

Total Number of All U.S. Registered Hospitals (2017 AHA stats) 5,564 Number of U.S. Community Hospitals 4,862 Number of Nongovernment Not-for-Profit Community Hospitals 2,845 Number of Investor-Owned (For-Profit) Community Hospitals 1,034 Number of State and Local Government Community Hospitals 983 Number of Federal Government Hospitals 212 Number of Nonfederal Psychiatric Hospitals 401 Number of Nonfederal Long Term Care Hospitals 79 Number of Hospital Units of Institutions (Prison, College Infirmaries, Etc.) 10

Estimates:

Hospitals WITH an Observation Unit = 1,391 (25%) Hospitals WITHOUT an Observation Unit = 4,173 (75%)

That leaves a **LOT** of room for growth!

- 10% = 417
- 20% = 834



Summary

Observation Medicine is based on a growing body of literature that conforms to contemporary scientific evidence and medical practice.

There is a need for well trained observation medicine leaders to help the U.S. Health Care System meet current and future needs for observation services.

There has never been a better time to become involved in Observation Medicine!