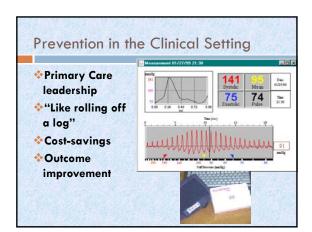
PREVENTION IN THE CLINICAL SETTING

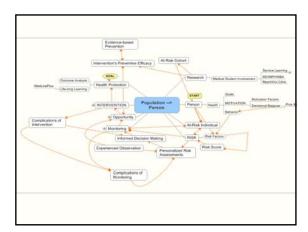
Charles Beauchamp III, MD, PhD
Associate Professor, Dept. of Community Health
Wright State University Boonshoft School of Medicine



Focus on RRR POOR OUTCOME Risk → Probability Resistance → Exists → Worse? Resilience → Bounce Back Community Resilience as a Metaphor, Theory, Set of Capacities, and Strategy for Disaster Readiness. Fran H Norris, Susan P Stevens et. al. Am J Community Psychol 2007 Dec 22 EPub

Person with Alzheimer's Disease
♦ What is Risk of Sundowning?
How Resist serious perturbation in sleep/wake cycle?
♦ How Bounce Back from significant Sundowning
causing agitation of the patient and stress on the care giver?
Primary Care Team
❖Nurse
♦ Medical Assistant
❖Community Health Worker
*Psychiatric Social Worker
❖Physical Therapist
*Physician
How do we think of the Three R's at all times in all
visits and then act independently and together?
The Essences of Prevention:
The Essences of Trevention.
*Awareness
Observation
♦ Imagination
*Hypothesis Testing
*Communication
PREVENTION occurs when an action takes place in a
non acutely ill person to improve that individual's and/or family's life, usually in the future. Of
course, the most important person to act is the
person with the guidance of team members as necessary.
necessury.

The EGAD visit E = Events G = Goals A = Assessment D = Documentation



YIKES this is complicated!

- As a team, we need to focus on GOALS (PLURAL) for every patient.
 - We want to avoid hospitalization, avoid medication errors....etc!
 - 2. We want to facilitate GREAT outcomes!!
 - 3. We want to make early diagnoses!!!
 - 4. We want to promote health and protect it!!!!
 - 5. Oh yes, we need to see the patient in 15 minutes or less for the reason they came to see us!!!!!

An Answer: Create a system ("microsystem" in the small office) focused on facilitating prevention A practice guideline savvy computer, like it or not, has to be the engine of this "microsystem". Practice guidelines have to be restructured to work within the small office setting. WE have to push this or else others (NHII et al) will do it for us without involving primary care.

-	The "Dream" is about to become our nightmare	
	Moving Forward On the Dream The National Health Information Technology Agenda	CONTRACTOR OF THE PARTY OF THE
	The University of Utah, Department of Bioinformatics	
	September 14, 2007	
	Robert M. Kolodner, MD National Coordinator Office of the National Coordinator for Health Information Technology (ONC)	

How Many Informaticists Do We Need?

❖ Safran's Conjecture:

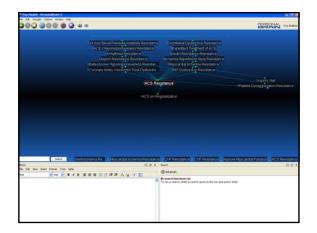


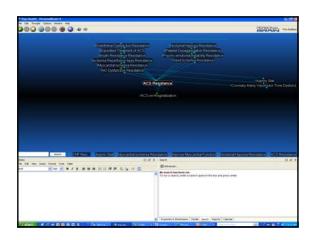
- There approximately 6,000 hospitals in the U.S. Each one needs a "cross-trained" physician and nurse
- Round it off to 10,000
- Clearly an underestimate: neglects office practices, industry needs, public health
- What about the additional 160,000 private practices and ??? other ambulatory care centers?

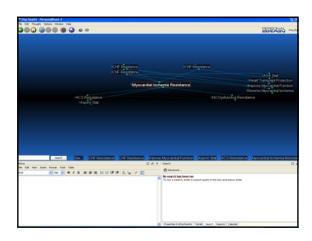
Informatics Participants on AHIC Workgroup Contact Workgroup Organization Confidentiality, Privacy and Security Population Health/Clinical Care Connections Jon Einbinder Partners Healthcare Peter Elkin Mayo Clinic Electronic Health Records Linda Fischetti Electronic Health Records Veterans Health Administration Betsy Humphreys Personalized Healthcare HHS/National Institutes of Health/National Library of Medicine Blackford Middleton Electronic Health Records Partners Healthcare System Jerry Osheroff Quality Thomson Healthcare American Medical Informatics Association Charles Safran Consumer Empowerment Paul Tang Consumer Empowerment Palo Alto Medical Foundation Jonathan Teich Brigham & Women's Hospital Quality William M. Tierney Quality Regenstrief Institute, Inc. We don't have a dog in this hunt but who will be blamed if it does not work? WE have no choice but to try to make it work with a focused effort to utilize existing Electronic Medical Record technology (i.e., Praxis EMR), incorporate Clinical Practice Guidelines that have been tweaked to facilitate their application within a small office setting with LIMITED PERSONNEL resources. We should focus on: 1. Cardiovascular Disease 2. Diabetes Mellitus 3. Asthma

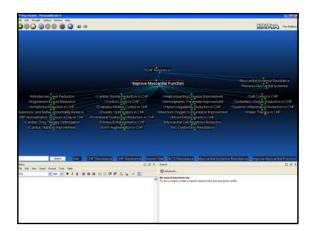
	1
Wiley Science Evidence-Based Medicine Guidelines for Primary Care	
Cardiology Guidelines	
Acute Coronary Syndromes; Unstable Angina Pectoris and non-ST segment elevation myocardial infarction (NSTEMI)	
Acute pulmonary edema	
Ambulatory ECG Monitoring Antihypertensive drug choice for different patient groups	
Aortic aneurysm and dissection	
Bradycardia	
Bundle Branch blocks in ECG CPAP treatment in pulmonary edema	
Calf pain	
Cardiac murmur in a child	
Cardiac pacemakers: follow-up of patients and surveillance of pacemaker function Cholesterol embolism	
Chronic heart failure	
Classification of hyperlipidemias	
Computerized ECG Interpretation Contraindications to physical exercise	
Coronary heart disease (CHD): symptoms, diagnosis and treatment	
Diabetic macroangiopathy	
Diagnosis of and initial investigations for hypertension Diagnostic coronary angiography	
etc	
	1
Literature Search Strategies	
@(predict\$ OR validate OR rule\$ OR predictive value of tests) AND (coronary AND atherosclerosis AND noninvasive)	
@probability OR risk OR classification OR algorithm\$	
OR rule\$) AND (criteria OR question\$ OR scor\$	
OR characteristic\$ OR risk factor\$ OR finding\$ OR	
factor\$) AND (predict\$ OR model\$ OR decision\$ OR prognos\$) AND foot	
@ (clinical AND guideline) AND (criteria OR scor\$	
OR characteristic\$ OR finding\$ OR factor\$)	
AND (predict\$ OR model\$ OR decision\$ OR prognos\$) AND congestive heart failure	_
@Randomized controlled trial AND (ramipril AND ARB)	
@Randomized controlled trial AND (stroke AND risk factors AND recurrence)	
A THE SECOND IS SOURCE IN THE SECOND OF THE SECOND IN	
Brief efficacious interventions - "like rolling off a log"	
Decrease Risk	
Increase Resistance	
Increase Resilience	
· · · · · · · · · · · · · · · · · · ·	

· 自己发生的发生的发生的发生的。	
Knowledgebase	
TheBrain™ <mark>www.thebrain.com</mark> - Desktop + Enterprise	-
_	
EMR	
Praxis™ (www.infor-med.com)	
Trucks (www.mior-med.com)	
6. 不由6. 不自6. 不自6. 不自6. 不自6. 不	
是是一种工作的种类的一种工作的种类的一种工作。	
A THE STREET STREET, THE STREET, THE	
	-
Move from Treat to Prevent to Predict	
Move from Treat to Prevent to Predict	
B	
Family History Environmental Lifestyle Injury and Acute Illness Acute Illness	
Family History Environmental Lifestyle Acute Illness Chronic Illness	
Family History Environmental Lifestyle Acute Illness Chronic Illness	
Family History Environmental Genetics Exposures Lifestyle Acute Illness Chronic Illness	









Contact Information
Chuck Beauchamp, MD, PhD <u>charles.beauchamp@wright.e</u> 937-258-5555