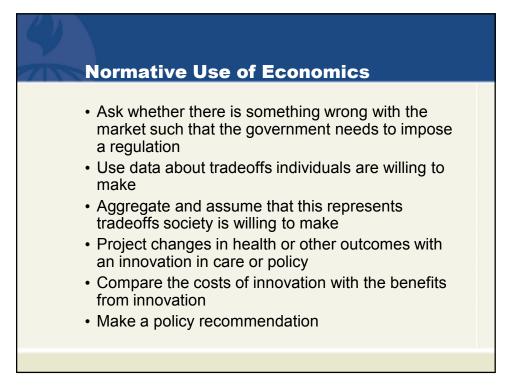
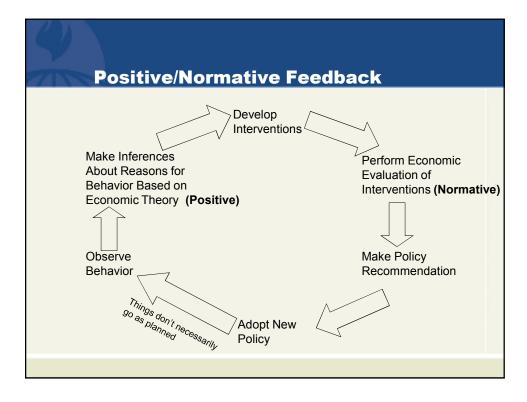
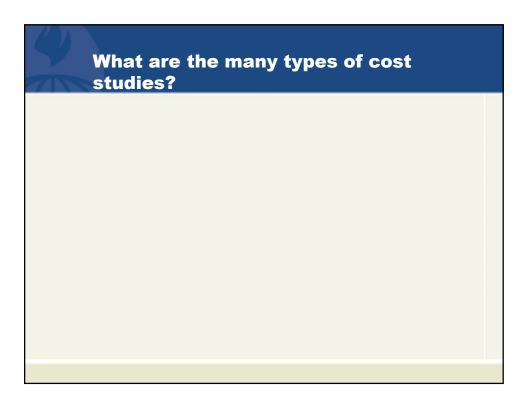


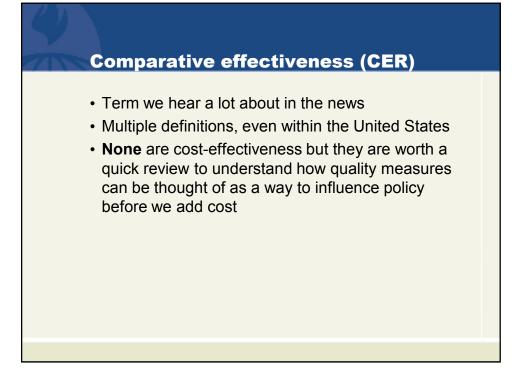
Positive Use of Economics

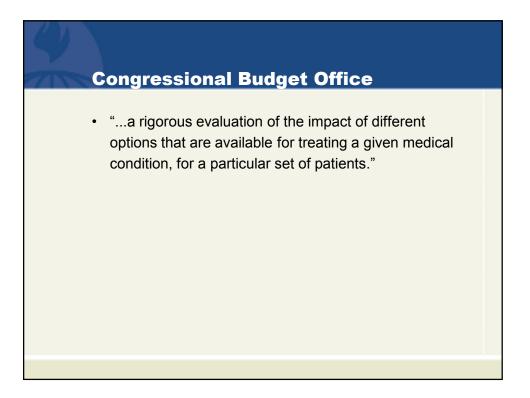
- Develop theories of expected responses to changes in incentives
 - Assume the objective for individuals and organizations when developing the theory
 - Do not assert that consumers should value different things (length and quality of life) in a particular way
 - Allow consumers to express their own preferences
- Study how people, organizations, and governments behave
 Test whether the assumed objective explains behavior
- Revise theories if they are unable to explain behaviors







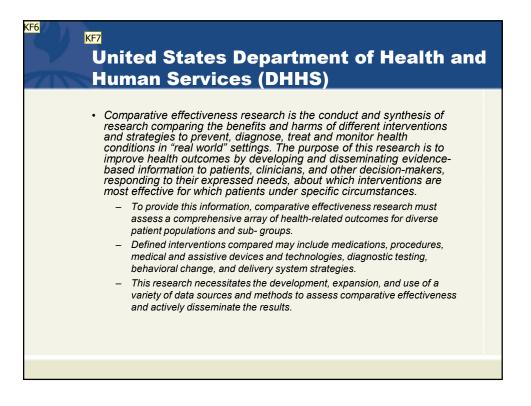




Institute of Medicine

KF5

 CER is the generation and synthesis of evidence that compares the benefits and harms of alternative methods to prevent, diagnose, treat and monitor a clinical condition, or to improve the delivery of care. The purpose of CER is to assist consumers, clinicians, purchasers, and policy makers to make informed decisions that will improve health care at both the individual and population levels.



Slide 11

- KF4 Source: Annals of Internal Medicine. August 4, 2009 vol. 151 no. 3 203-205 Kevin Frick, 12/30/2009
- **KF5** After this slide, I'd like to give 10 seconds of pondering music so that students can study the definition Kevin Frick, 12/30/2009

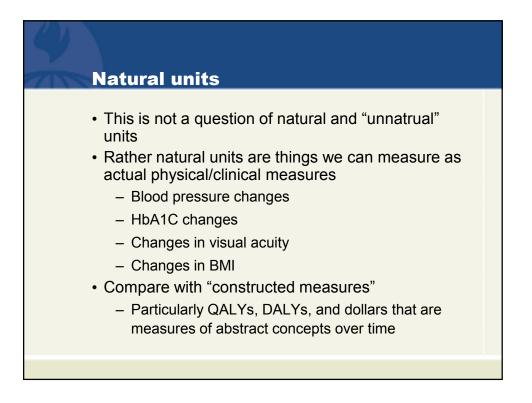
Slide 12

- **KF6** After this slide, I'd like to give 30 seconds of pondering music so that students can consider what is and is not in the combination of the three definitions Kevin Frick, 12/30/2009
- **KF7** Source: http://www.hhs.gov/recovery/programs/cer/cerannualrpt.pdf Kevin Frick, 12/30/2009

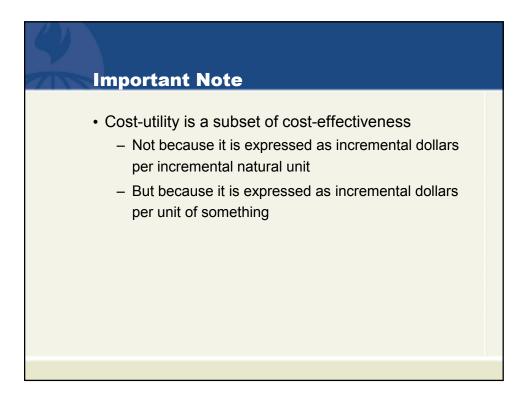
Types of Co	st-Outcome Analyses
Type of Analysis	Outcome
L	

Type of Analysis Outcome	f Cost	Types of	
Cost	isis (Type of Analy	
effectiveness	 s	Cost- effectiveness	

Types of Cos	st-Outcome Analyses
Type of Analysis	Outcome
Cost-effectiveness	Have single most important outcome in natural units



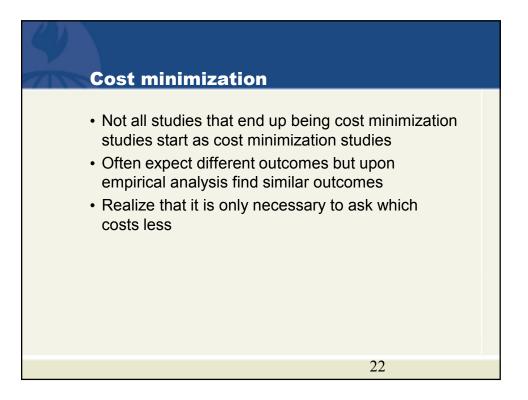
Type of Analysis	Outcome
Cost-effectiveness	Have single most important outcome in natural units
Cost-utility	

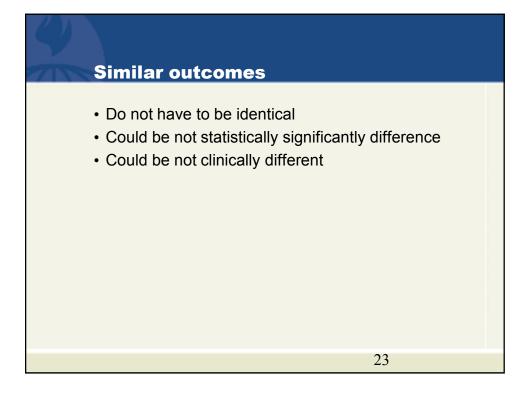


Types of Cos	st-Outcome Analyses
Type of Analysis	Outcome
Cost-effectiveness	Have single most important outcome in natural units
Cost-utility	Express outcome in quality or disability adjusted life years

Types of Cos	st-Outcome Analyses
Type of Analysis	Outcome
Cost-minimization	
Cost-effectiveness	Have single most important outcome in natural units
Cost-utility	Express outcome in <i>quality adjusted life</i> years or <i>disability adjusted life</i> years

Type of Analysis	Outcome
Cost-minimization	Any outcome—compare cost of alternatives with similar outcomes
Cost-effectiveness	Have single most important outcome ir natural units
Cost-utility	Express outcome in quality or disability adjusted life years

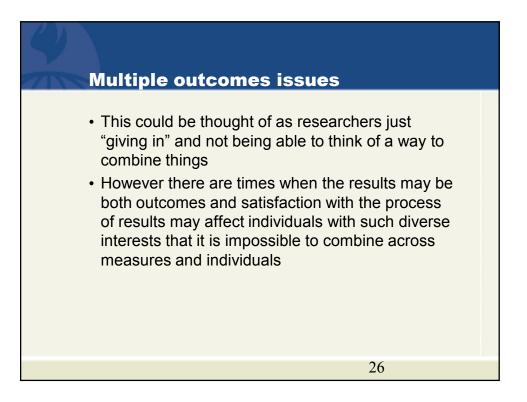




Types of Cost-Outcome Analyses

Type of Analysis	Outcome
Cost-minimization	Any outcome—compare cost of alternatives with similar outcomes
Cost- consequence	
Cost-effectiveness	Have single most important outcome in natural units
Cost-utility	Express outcome in quality or disability adjusted life years

Type of Analysis	Outcome
Cost-minimization	Any outcome—compare cost of alternatives with similar outcomes
Cost-consequence	Multiple outcomes in natural units
Cost-effectiveness	Have single most important outcome in natural units
Cost-utility	Express outcome in quality or disability adjusted life years



Type of Analysis	Outcome
Cost-minimization	Any outcome—compare cost of alternatives with similar outcomes
Cost-consequence	Multiple outcomes in natural units
Cost-effectiveness	Have single most important outcome ir natural units
Cost-utility	Express outcome in quality or disability adjusted life years
Cost-benefit	

Types of Cost-Outcome Analyses

Type of Analysis	Outcome
Cost-minimization	Any outcome—compare cost of alternatives with similar outcomes
Cost-consequence	Multiple outcomes in natural units
Cost-effectiveness	Have single most important outcome in natural units
Cost-utility	Express outcome in quality or disability adjusted life years
Cost-benefit	Express outcome in dollars—how much monetary burden is avoided

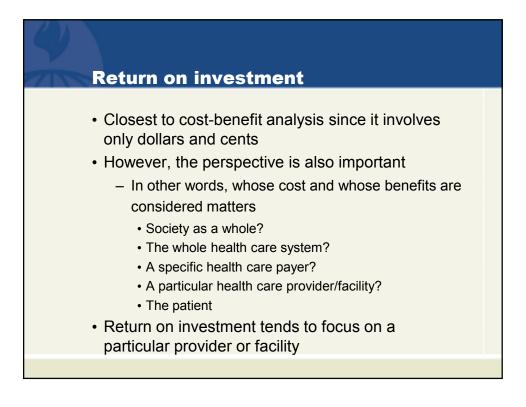
Using the results

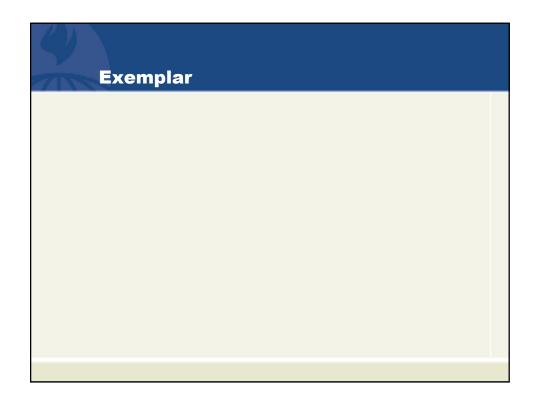
- With all the types of analyses spelled out we can not talk about the advantages and disadvantages for use
- In particular, compare the level of abstractness and the subjectiveness of decision making
 - Abstractness—are the measures very direct
 - Subjective decision making—how much a decision maker's own values influence the decision

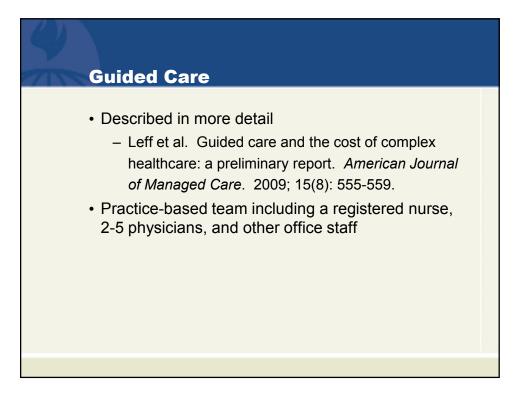
Types of Cost-Outcome Analyses

More Abstract	Type of Analysis	Outcome
	Cost-minimization	Any outcome—compare cost of alternatives with similar outcomes
	Cost-consequence	Multiple outcomes in natural units
	Cost-effectiveness	Have single most important outcome in natural units
	Cost-utility	Express outcome in quality or disability adjusted life years
	Cost-benefit	Express outcome in dollars—how much monetary burden is avoided

	Types of Co	st-Outcome Analyses	
	Type of Analysis	Outcome	
	Cost-minimization	Any outcome—compare cost of alternatives with similar outcomes	
stract	Cost-consequence	Multiple outcomes in natural units	
More Abstract	Cost-effectiveness	Have single most important outcome in natural units	
Mor	Cost-utility	Express outcome in quality or disability adjusted life years	
	Cost-benefit	Express outcome in dollars—how much monetary burden is avoided	



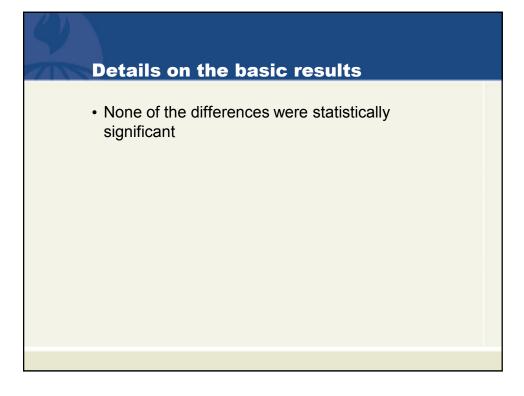


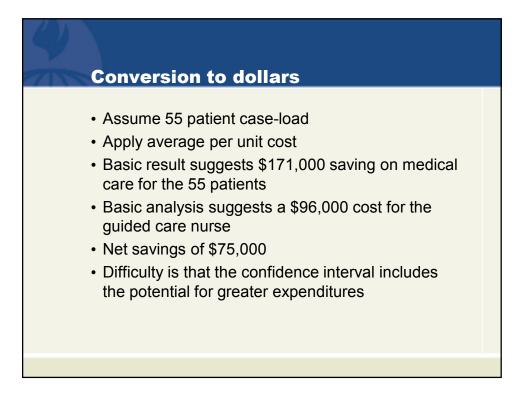


Guided Care Nurse

- Performs a comprehensive assessment at home
- · Creates an evidence-based care guide
- Monitors and coaches the patient monthly
- Coordinates the efforts of all of the patient's providers of healthcare
- Smooths the patient's transitions between sites of care
- · Promotes patient self-management
- · Educates and supports family caregivers
- Facilitates access to appropriate community resources

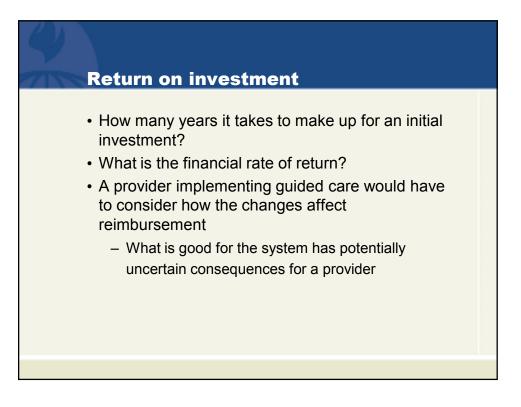
Basic Guided Care Results— Annualized Rates		
	Guided Care (N=433)	Control (N=402)
Hospital admissions	0.75	0.96
Hospital days	4.14	5.77
SNF admissions	0.18	0.28
SNF days	2.67	4.90
ED visits	0.36	0.43
Primary care visits	9.85	10.13
Specialist visits	8.36	7.89
Home healthcare episodes	0.96	1.27
DME items	4.05	3.14
Tests	36.32	33.14

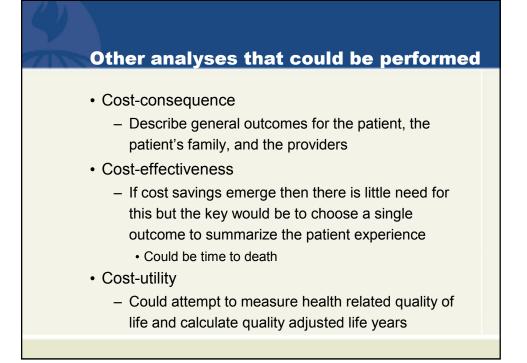


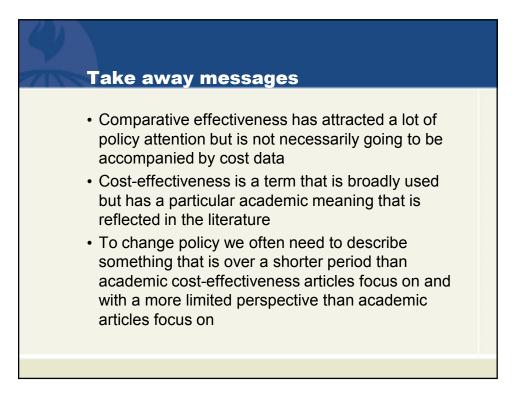


What is this result?

- Health care system cost-benefit with limited inclusion of services
- If we see savings from year 1 then there is no need to perform a return on investment analysis
- However, there may be a need for some initial investment before we see change in practice
- Then we would have to ask how long it takes to make up for that initial investment—that would be a return on investment analysis







Next steps

- Use the information you have heard today and any other information you have on the many types of economic evaluations to understand whether what is presented at conferences and in the literature matches decision makers' needs
- Lobby for more useful (and more usable)
 information
 - This is as important for practicing health economists to do as for nurses or any other group who uses economic results to do