Health Economics and Financing

Learning outcomes

- On completion of the unit the student will be able to:
 - Critically appraise pharmaco-economic evaluations
 - Prepare a business case for the introduction and evaluation of a novel pharmaceutical service designed to improve pharmaceutical care within the NHS; considering local health needs & inequalities, government targets and government strategies for health and pharmacy



- Workshops & Lectures
- No directed study
- Expectation of significant reading around topic
- Reading list provided on Blackboard is exhaustive



- Pharmacoeconomics
- Healthcare organisation
- Managing the pharmaceutical budget
- Procurement & influencing skills

Assessment

Critical appraisal of pharmaco-economic evaluation

- Open book
- Unseen paper
- Use previously seen and tested checklist
- Business case development (1,500 words)
 - Coursework
 - Based on PCT where born
 - Local health needs assessment
 - Description, including costs, of new pharmaceutical service
 - Designed to meet government targets for health
 - Proposed pharmaco-economic evaluation

Lecture 1: Economics, Health and Health Economics

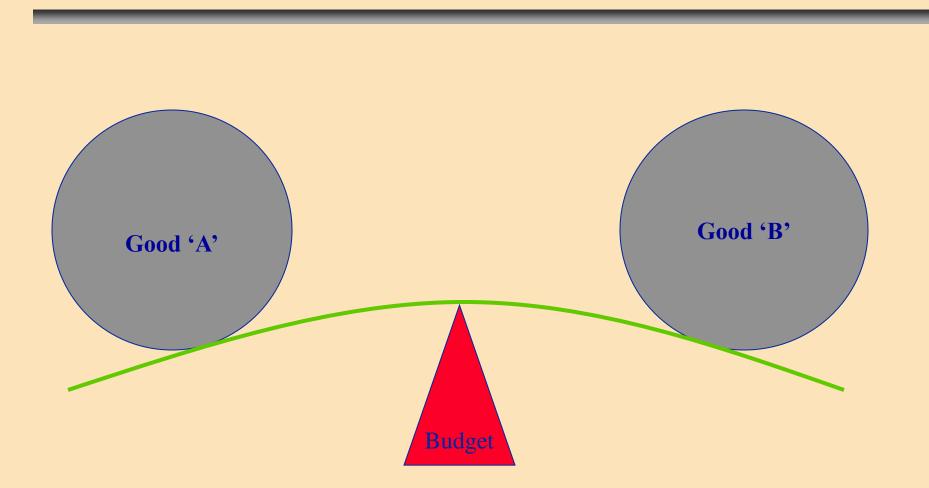
- What is economics?
- What isn't economics?
- What is "Health"?
- What is "Health Economics"?
- Key Economic Concepts
 - Opportunity cost
 - Efficiency

Economics is about ...

- Limited resources
- Unlimited "wants"
- Choosing between which 'wants' we can 'afford' given our resource 'budget'



Economics is about choice



Concept 1: opportunity cost

"The value of forgone benefit which could be obtained from a resource in its nextbest alternative use."

Example of opportunity cost

Possible Health Expenditure in a Year					
Paediatric Care (No Children	Care of Elderly (No of Elderly	Opportunity Cost of Treating			
Treated in '000's)	· · · · ·	0			
		of Elderly Patients			
		Forgone			
0	30	0			
1	28	2			
2	24	6			
3	18	12			
4	10	20			
5	0	30			

Implications of opportunity cost

- Deciding to *do* A implies deciding *not* to do B (i.e. value of benefits from A>B).
- Cost can be incurred without financial expenditure.
- Value not necessarily determined by "the market".

Economists view of the world...



Pessimist: bottle ½ empty
 Optimist: bottle ½ full
 Economist: bottle ½ wasted

inefficient!

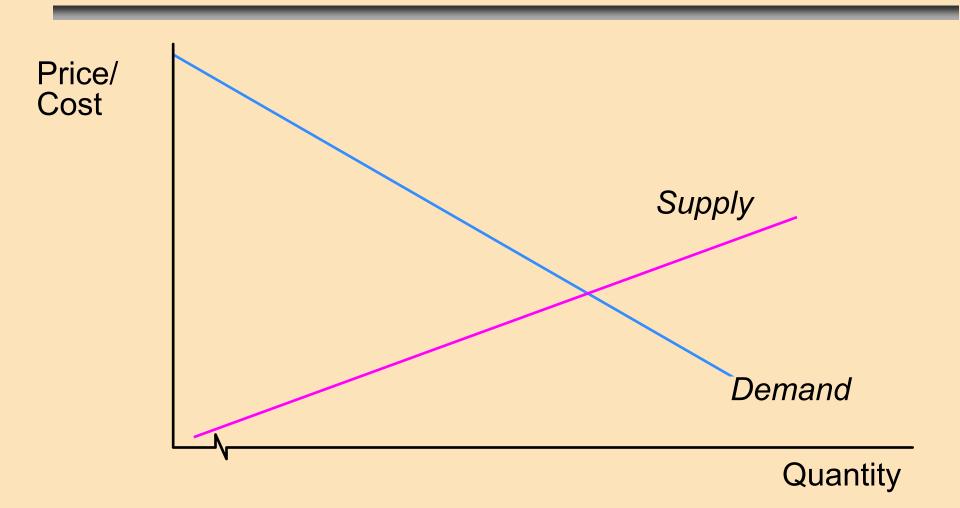
Concept 2: efficiency

Efficiency =

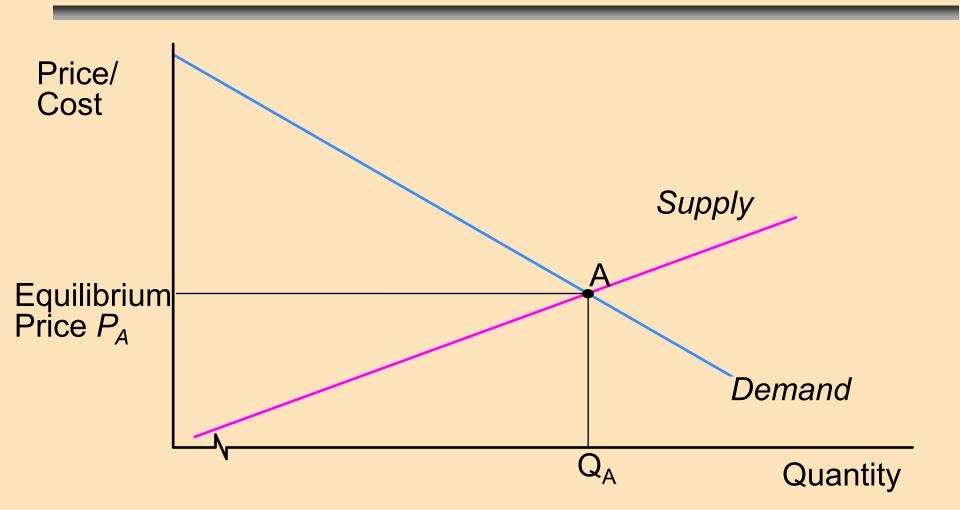
- Technical Efficiency
- Allocative Efficiency

- maximising benefit for resources used
- meeting a given objective at least cost (resources)
- producing the pattern of output (supply) that matches the pattern of consumer want (demand)

Efficiency and 'the market'



Efficiency and 'the market'



Topic versus discipline

Topic = area of study

Discipline = conceptual apparatus

Health economics is the *discipline* of economics applied to the *topic* of health.

Some misconceptions

- Economics is ...
 - concerned with money
 - the same as accountancy
 - only practised by economists
 - objective

Economics and money

Economics is concerned with...

- costs (resource use)
- benefits
- choice
- efficiency
- Money is...
 store of value
 means of exchange

Economics and accountancy

Economics is concerned with...

- costs (resource use)
- benefits
- choice
- efficiency

Accountancy is concerned with...monitoring financial transactions

The 'practice' of economics

Economics is concerned with...

- costs (resource use)
- benefits
- choice
- efficiency

Everyone...

• weighs the relative benefits of each course of action and choose the action which maximises well-being

Economics and objectivity

 All decisions are based on subjective value judgements (or judgements of subjective value!)

Economics makes these explicit

What is 'health'?

World Health Organisation:

- Health is a "state of complete physical, mental and social well-being"
- "Health Economics" is often "Health Care" Economics
- Usually "health" in health economic (evaluation) is health *status* according to some measure

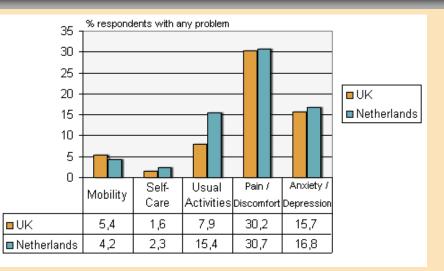
Health status example: EQ-5D

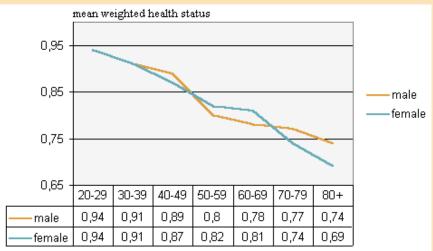
Mobility	
I have no problems in walking about	
I have some problems in walking about	
I am confined to bed	
Self-Care	
I have no problems with self-care	
I have some problems washing or dressing myself	
I am unable to wash or dress myself	
Usual Activities (e.g. work, study, housework, family or leisure activities)	
I have no problems with performing my usual activities	
I have some problems with performing my usual activities	
I am unable to perform my usual activities	
Pain/Discomfort	
I have no pain or discomfort	
I have moderate pain or discomfort	
I have extreme pain or discomfort	
Anxiety/Depression	
I am not anxious or depressed	
I am moderately anxious or depressed	
I am extremely anxious or depressed	

2

By placing a tick in one box in each group below, please indicate which statements

best describe your own health state today





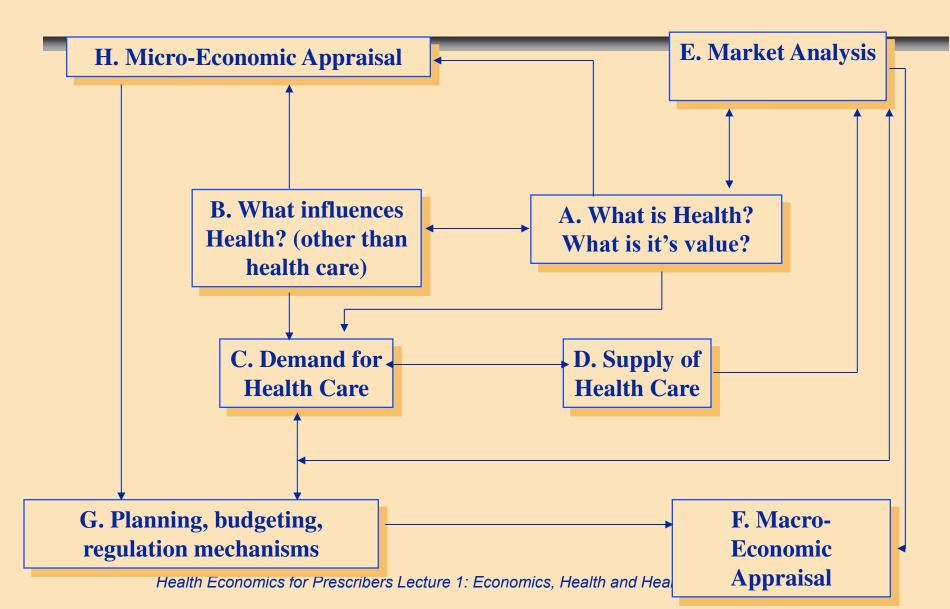
Applying economics to health (care)

Descriptive = quantification

Predictive = identify impact of change

Evaluative = relative preference over situations

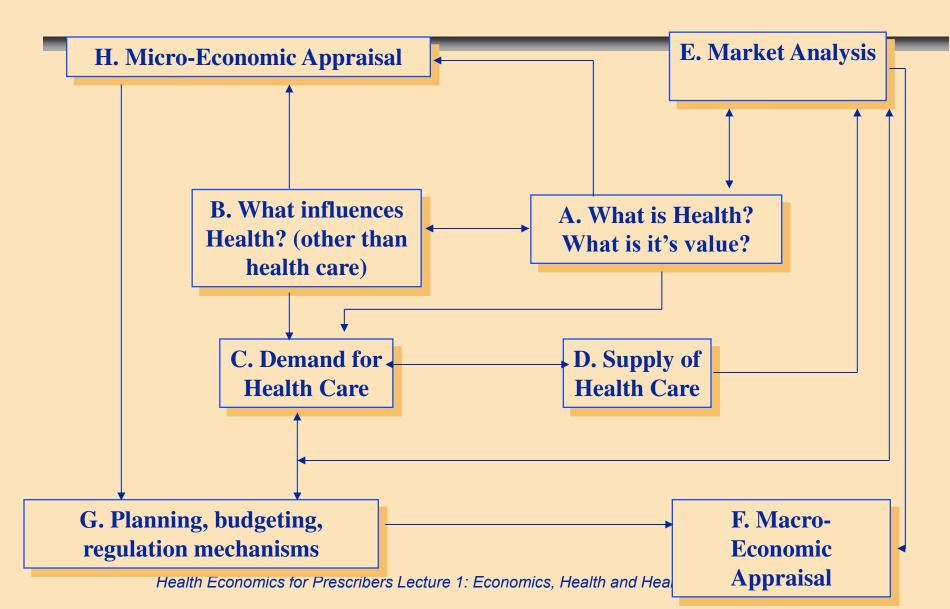
Health economics 'map'



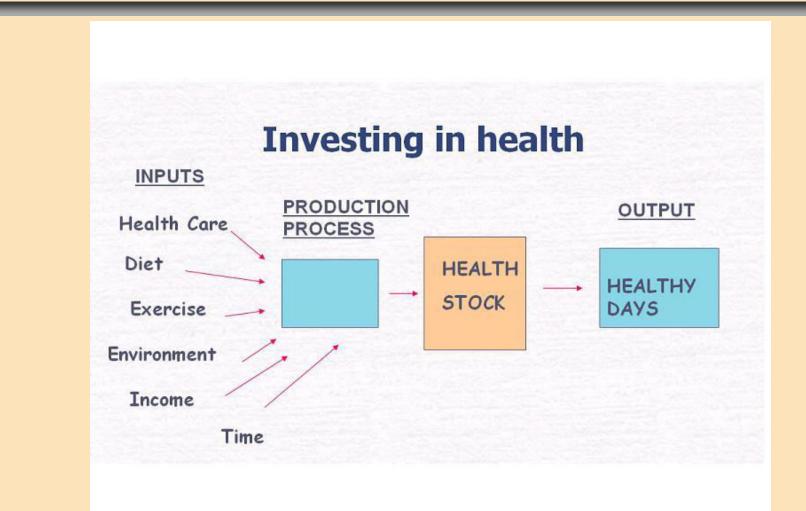
A: Value of health



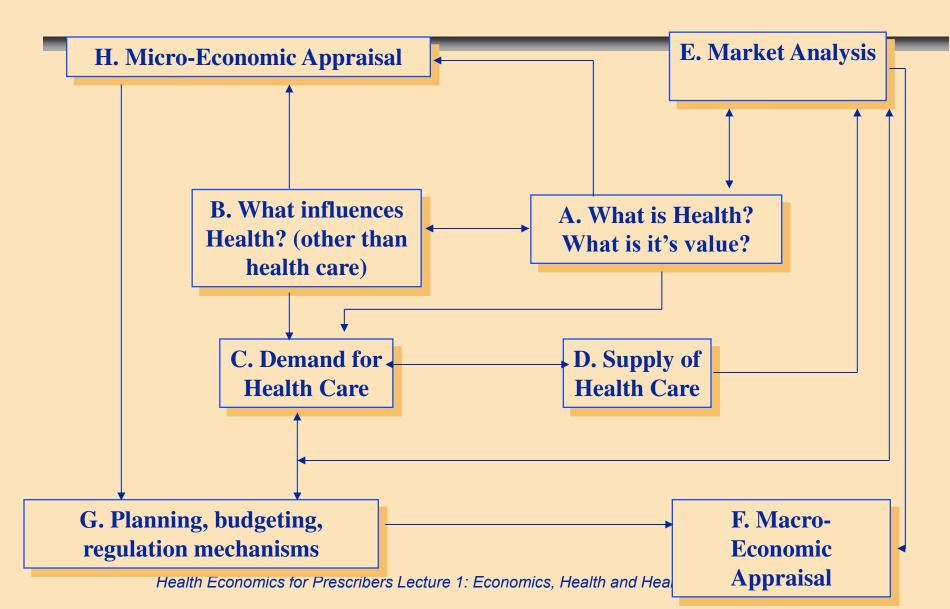
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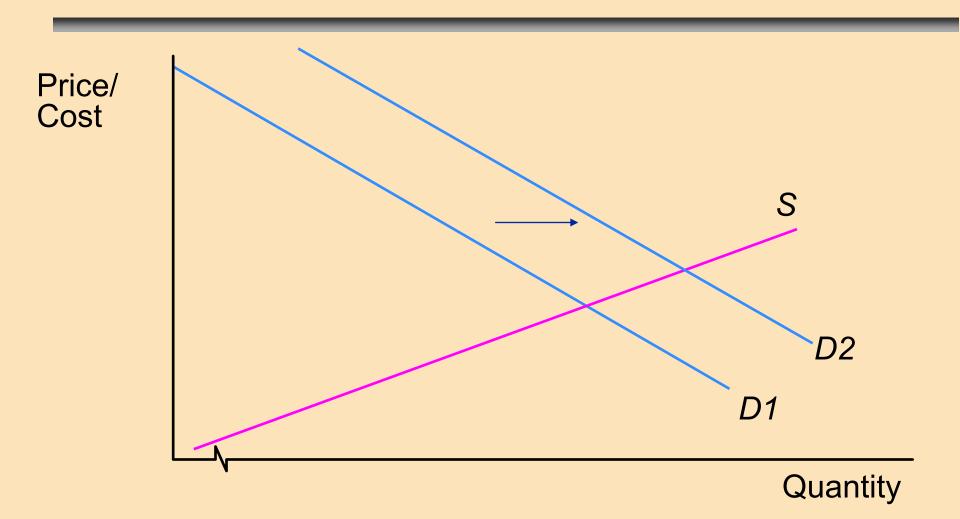
B: Demand for health (Grossman)



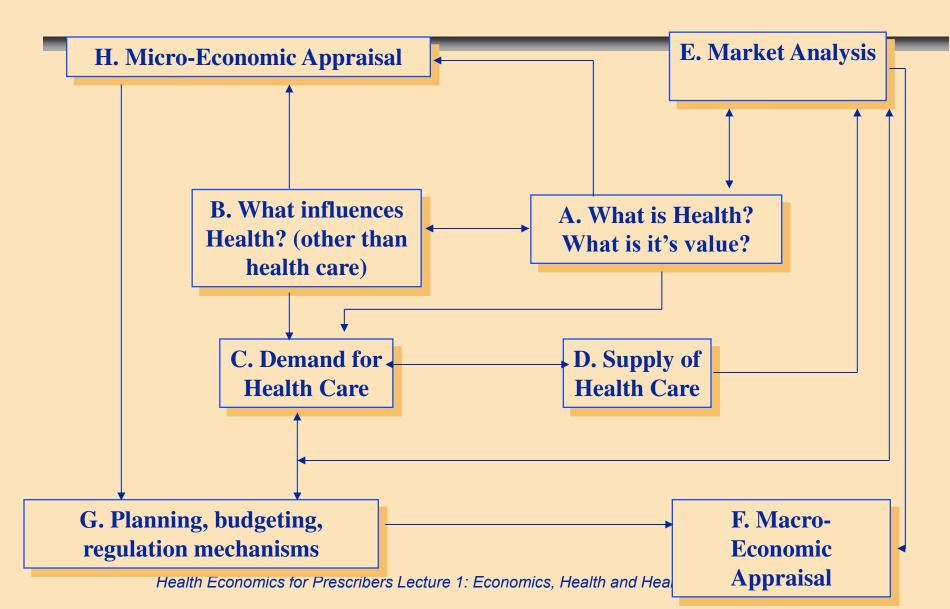
Health economics 'map'



C/D/E: Supplier-induced demand



Health economics 'map'



F: WHO ranking of health systems (top 20)

1	France	11	Norway
2	Italy	12	Portugal
3	San Marino	13	Monaco
4	Andorra	14	Greece
5	Malta	15	Iceland
6	Singapore	16	Luxembourg
7	Spain	17	Netherlands
8	Oman	18	UK
9	Austria	19	Ireland
10	Japan Health Economics for Prescribers Lecture 1: Ed	20 conomics, Healt	Switzerland

Health economics 'map'

