



HEALTH ECONOMICS

Title: Introduction

Lecture no: one "1"

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كاتنسوا أثلث في فلملين من حالع دعنكم.

وَمَا تُوفِيعِي إِلَّا بِاللَّهِ

future doctor





Introduction to





Dr. Omnia Elmahdy

Outlines

- *What is economics?
- ***What is "Health"?**
- **♦What is "Health Economics"?**
- ***Why Health Economics?????**



(تانعه) Equipmenta (مانعلات) Supplements

Health Care Economics اقتصادیات الرعایة الصحیة

Health providor

Ex: Doctors

Population (Maximum Benefit) of in a him doctors of health Resources 11 house

Lo we have many needs but resources is limited who applied included to the house many needs but resources but Unlimited/Infinite need

Need Resources I limited resources but Unlimited/Infinite need

Lo So I want to choose the best way according to the budget that I have

Resources (Money Dr Omnia Elmahdy 3

Resources (Health Care providors (Lichard) (Li





Introduction and Purpose

This course:

- •Describes the scope of health economics and its key information resources.
- Explain some important terms used in health and health economics.
- •Highlights the sources and characteristics of health, disease, factors affecting health and health care financing.
- Highlights the types and sources of health care.
- •Answer the question: why it is important to study health economics .
- Explain methods of payments to health care and health care providers.
- •Outlines issues relating to the quality of health economic evaluation methods.



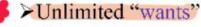
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Fconomics:

Economics is about



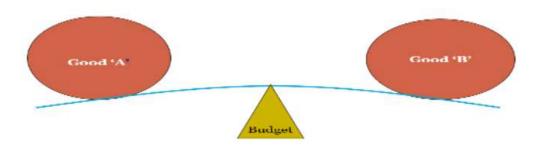
>Limited resources



> Choosing between which 'wants' we can 'afford' given our resource 'budget



Economics is about choice



Economics is about



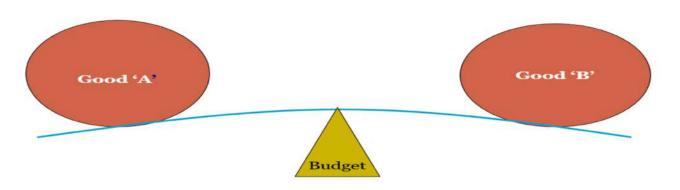
Limited resources



- ➤ Unlimited "wants"
- > Choosing between which 'wants' we can 'afford' given our resource 'budget

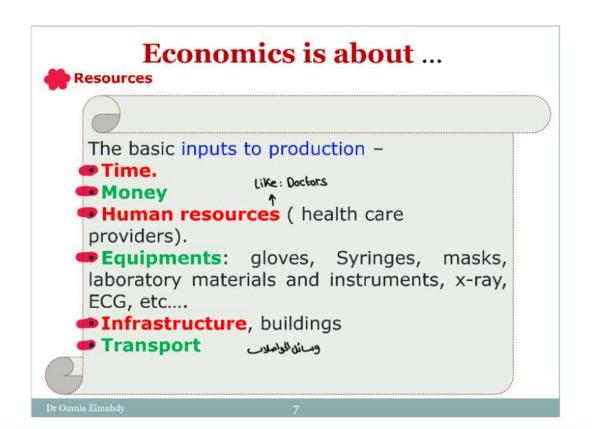


Economics is about choice



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The discipline of **economics** is founded on the premise that **there will never be enough resources to completely satisfy human desires**, referred to by economists as **scarcity**. ندرة



• Scarcity:

عيالندرة العلسعية

(limited بنتعة خلف الادر عارسل بايمور أ يعود أي

There will not be enough resources to satisfy human need so I have to choose

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Economics is the study of how society manages its scarce resources

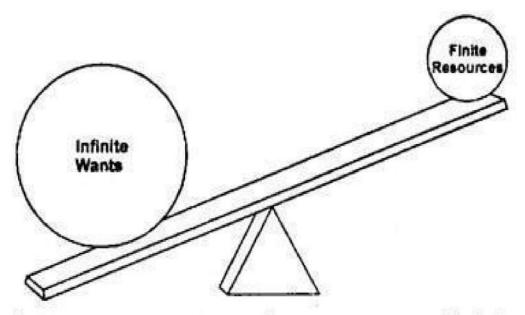


Fig. 1.1: The economic problem: finite resources and infinite wants

As individuals we are constantly making choices as to how we allocate our time, into which activities we channel our energies and on what we spend our available funds. In other words, we are making choices we according to the budgets



These <u>sacrifices</u> التضحيات are referred to as opportunity cost.

Their very existence provides a rationale for economists to take an interest in all resources that are used, whether by individuals, governments, the health service or society, regardless of whether or not money is paid for them, in order to achieve the maximum benefit for society.

• _	Oppertunity	Cost =	Sacrifices
			التعنيات التي ستنتها لئي عمارى حدمة موينة ،صلى أمني بيعف الأمورحت أيندال من أكثر
	_		The benefit to the society : signif

[•] Question: Suppose that you have a certain health program and you have another health

program and you as a manager want to choose which one is first:

we will choose the health program which is for poor people and other program will be later on.

الندرة Scarcity

- Scarcity means that all resources are limited
- Our world is finite, so everything is scarce by criterion
- There is NO known resource that is not limited
- Land, labour, water, capital, hospital beds,
 all are limited

 If the goods that go into the production process (raw material, labour, land) are called inputs, and the goods that come out of the production process are called outputs

ا جَمْعُوا عَهِ: إِمْ يَعْمُوا اللهِ وَعَدُو مِنْ الْمُعَامُ وَمِنْ مِنْ الْمُعَامُ وَمِنْ مِنْ الْمُعَامُ ال المناس production process القائمة في المناس ا

The economy's resources are all INPUTS and OUTPUTS

Inputs:	
(Resources/ حدين نستخدم)	
	الميك هستشفى (ووزت أدوات طبية وميزلينة وأطباء ووسائل مواصلات
Outputs:	
" system services" Services "" "Health care delivery" ~	سُن النَّاسِين ﴿ النَّاسِ وَالنَّاسِينَ ﴾ ﴿ النَّاسِ وَالنَّاسِينَ ﴾ ﴿ النَّاسِ وَالنَّاسِ وَالْمَالِي وَالنَّاسِ وَالْمَالِي وَالنَّاسِ وَالنَّاسِ وَالنَّاسِ وَالنَّاسِ وَالْمَالِي وَالْمُلْلِيلُ وَالْمُلْلِيلُ وَالْمُلْلِيلُولُ وَاللَّالِي وَالْمُلْلِيلُولُ وَاللَّالِيلِيلِي وَالنَّالِيلِّيلِيلِي وَاللَّالِيلِيلِّيلِيلِي وَاللَّالِيلِيلِيلِيلِيلِيلِيلِيلِيلِيلِيلِيلِيل
لم العالم من	مثلاً: عملت معدة عند العدَّ عنين وكاحكت بعد فترة إن عدد العدونين قل
Customer ws petient so allow us To	make putient satisfaction and putient safty

- Scarcity of goods in an economy can be traced back to a scarcity of means for producing them
- E.g; <u>scarcity of health services</u> would be no problem if building hospitals, health personnel, were all free goods
- Scarcity مناه الدعائل عدد الكناس المحتاجة وتقدار المحتاجة والمحتاجة والمح

• Scarcity is not the same as a shortage النقص

Shortage means that the amount supplied is less than the amount demanded

Scarcity	Shortage				
[All resources are limited] candon and an imited]	مثلة اله أدفز اله				
Continuous	Temporary ofei				





ا و انت بمستدی مین واست مین مین کو انت نمین مین کو انت املاً معند میند میند کو Shortage میند میند کو المین کو ا

So Important

مهتم ب **Economics is concerned with...**

التكاليف -Costs (resource use)

Nie lie -Benefits

افتيارات Choice-

Important

Imported - Effectiveness.

-Efficiency.

کنا، ة	Efficiency	<u>/</u>	Effectiveness					
Means	optimal	use	&	Means	to	what	ائدالغوى extent	the
	on of							
resource	s.			achieve	d.			

• Efficiency: Optimale/Best use of available resources

له وماذا أون وماذا كدأون ع مشور المامدة أمني فيده وشوراك معلىما أحمن فيدي أومل كلات تعلى المدى أوسع .

• Effectiveness: 6 Equal was the objectives to

بعمل Evaluation (تقييم) المتية ويون حقمت كم من أهدان البونامج

بين أعول حمات تطويم اطلاب العداوس (Health Program) ووزت (معاديم منافع جيد/ Doctors معدات نفتل المعاديب : Pample المعاديب العداد المعاديب المعاديب العداد المعاديب العداد المعاديب العداد المعاديب العداد المعاديب المع

"Efficiency" حس معنان كالمجرعدون الناس المناسبة متينية الناشياء حت توصل كالمجرعدون الناسبة متينية الناسبة المتينة المناسبة المتينة المناسبة المتينة المناسبة المناسب

"Effectiveness" (5 = xx x3 Food I "Look of while Table of my of contact of the c

The simplest idea about efficiency is often referred to as efficiency savings, where output is expected to be maintained, while at the same time making cost reductions, or where additional output is generated with the same Inputs يعي كين بدي أون حدمت أفعل بنفس level of inputs.

Expected to be maintained:

بعن كمن أدّر أوما يؤمة المحمة لهناس بنفس الكذارة وأعافظ عاء

level for health care delivery by lowest possible cost

This type of efficiency has been referred to as technical efficiency or operational efficiency, but also as cost-effectiveness

* و نوع من أنواع _ Ffficiency _ يعنى كف دور كافظ على نفس المستوى من اكذمات المحدة تنفية المنه الميار ويدر حت الذمات ما معسول _ Drap for better outcomes " قيص المواد العيدية تصفال تراديان المعانية و في المواد العيدية و في المواد العيدية و في المواد العيدية و في المواد المواد

(Efficiency/Effectiveness) من المناف المناف

In order to determine whether and how certain services should be provided, and in order to establish priorities, allocative efficiency كفاءة must be used.

It represents a situation where no input and no output can be transferred so as to make someone better off without at the same time making someone else worse off.

This situation is called **Pareto-efficient**

Allocative Efficiency = Pareto-efficient = Pareto-efficiency

حدیثان توبید متال توبید متال توبید متال توبید کشید و توبید التعربی متابل توبید ت

Pareto efficiency is **important** because it provides a weak but widely accepted standard for comparing economic outcomes.

A policy or action that makes at least one person better off without hurting anyone is called a **Pareto improvement**

WHAT IS ECONOMICS?

- Economics is the science of scarcity.
- t analyses how choices are structured and prioritized to maximize welfare within constrained (limited) resources. [You should set priorities]
- Economics is the study of distribution of scarce (inadequate) resources commonly known as goods and services across a population.
- The discipline of economics deals with use of scarce resources to satisfy human wants and needs how best to use the resources available.

What is health economics??



Health economics is a branch of economics concerned with issues related to efficiency, effectiveness, value and behavior in the production and consumption of health* Health care system + 2. cois and health care * Health Economics: Health care sastemes Economics

In broad terms, health economists study the functioning of the health care systems as well as health-affecting behaviors such as smoking.

Microeconomics and Macroeconomics

- Microeconomics focuses on the individual parts of the economy.
- Macroeconomics looks at the economy as a whole.
 - Economy-wide phenomena, including inflation, unemployment, and economic growth والبطالة والنمو الاقتصادي

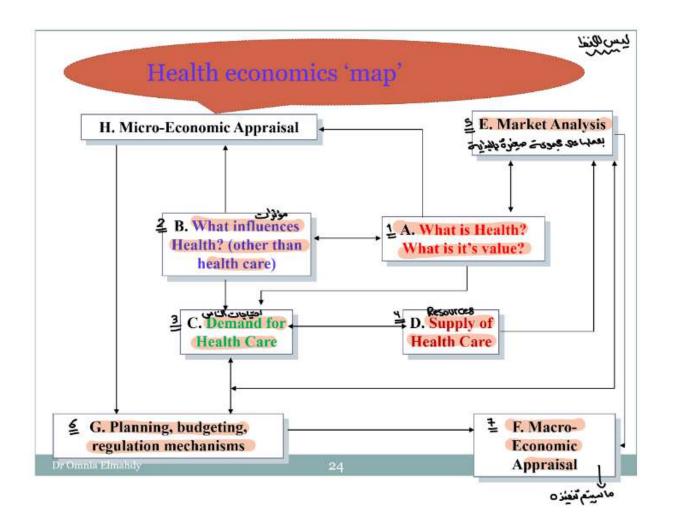
كنف أندر أمل الدولة اقتصادتًا

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Macroeconomics Macroeconomics Tridividual and Institutions (Like: Hospital) Fovernment/country/system (قالمان المعينة المعادة المع

• Question: Which of the following is considered microeconomics?

A---- B--- C---- D-Doctors behaviour/certain hospital Fund



HEALTH

Important

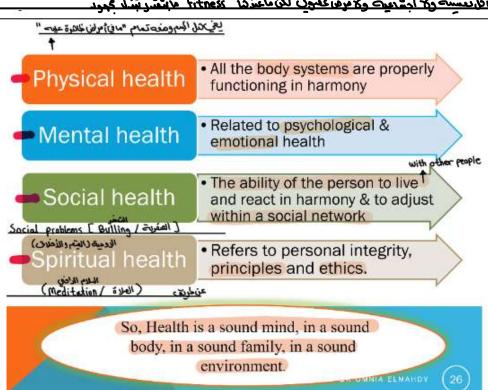
Health means a state of complete physical, mental & social wellbeing and not merely absence of disease or infirmity.

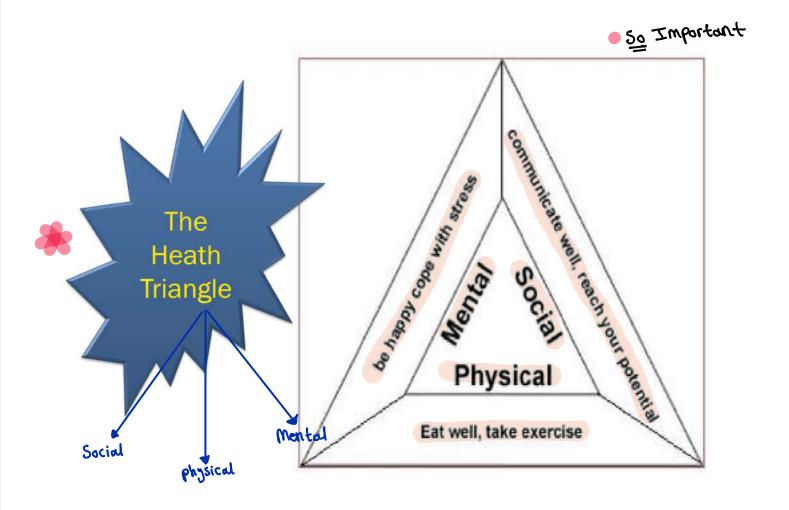


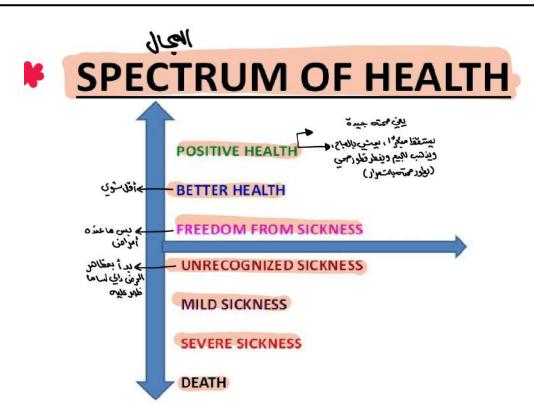
Health:

<u> هناد، مایکون عندی اُم اُف، کی کی، سے فی ناس ماعندها مون عونوں لین عندها مثاکل</u>

ما مستنداء Fitness ان بعده نام المناعدة بعديث من حسن المناعدة المنابعة الم









what are signs of good

- ➤ Physical health—no disease
- Social heath

يتعامل عع الناحد ويساعدهم ، كله ما تعدمد الناص أكبر كد ما كنت إلنان الدوي وكاكثر

Mental health

جروشاية بعلقة نيآا يبحبحث الكلاد والمائت بعلقة وغيط

Signs of Good Health

B. Social heath

A person with good social health –

- gets along well with people around
- has pleasant manners
- helps others
- fulfills responsibility towards others

C. Mental health

Mental health implies -

- control on emotions
- sensitive to the برين ت needs of <u>others</u>
- confidence in one's own abilities
 - freedom from unnecessary tensions, anxieties and worries

Health wis

بدل مايشتغل معيى بشتغل هذي

Disease: Failure of the adaptive mechanism of an organ in human body to counteract (react or work against) the stimuli and stresses to which it is exposed, resulting in abnormal structure and function of one or more parts of the body. Stras we will be straighted and function of one or more parts of the body.

Health for all: wo WHO Galac

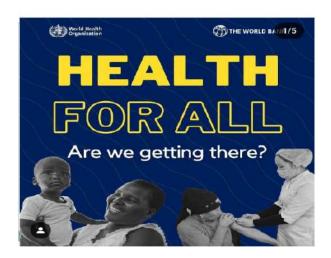
Attainment (achievement) of a level of health that will enable every individual lead a socially and economically

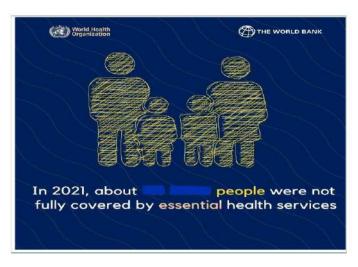
productive.

Health for all!

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اللال لنهافة عياب الكال المعانية المعانية المعانية على الأدعي المعانية الم



كمنم ليسوا قدرين أن كملوادي النعات العيرة



ALMA ATA DECLARATION (1978)

Principles for primary health care gives Health for all point eight ...

- ☐ The **Declaration of Alma-Ata** was adopted at the International Conference on Primary Health Care (PHC), Kazakhstan 1978.
- □ It expressed the need for urgent action by all governments, all health and development workers, and the world community to protect and promote the health of all people.
- ☐ It was the first international declaration underlining the importance of primary health care.

الزعاية الأولية الأرسية

- □ The primary health care approach has since then been accepted by member countries of the World Health Organization (WHO) as the key to achieving the goal of "Health For All" but only in developing countries at first. This applied to all other countries five years later.
- ☐ It consider health as a human right.

Primary health care is the concept for health for

<u> است اباطل المتحمة التأسيطات الكنمات العمية المتمانة بعيرا</u>

عَهِيَة النكام الما الماد الله المام الكباحة لا المام الكباحة لا المام الكباحة لا المام الكباحة لا المام الكباحة لا

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Developing countries: • High crude birth rate (20-40-/1000) • Low crude birth rate (10-1000) • High infant mortality rate • high percentage of children< • high percentage of children< • high percentage of elderly people > 65 yrs ? هودمعاد • Short life expectancy • Short life expectancy • Low infant mortality rate • low percentage of children< • low percentage of elderly people > 65 yrs • high percentage of elderly people > 65 high percentage of elderly people > 65 • Low infant mortality rate • low percentage of children< • low percentage of elderly people > 65 yrs • high percentage of elderly people > 65 • high percentage of elderly people > 65 • Low infant mortality rate • low percentage of children< • Low infant mortality rate • low percentage of elderly people > 65 • high percentage of elderly people > 65 • high percentage of elderly people > 65 • Low infant mortality rate • low percentage of elderly people > 65 • high percentage of elderly people > 65 • hig

