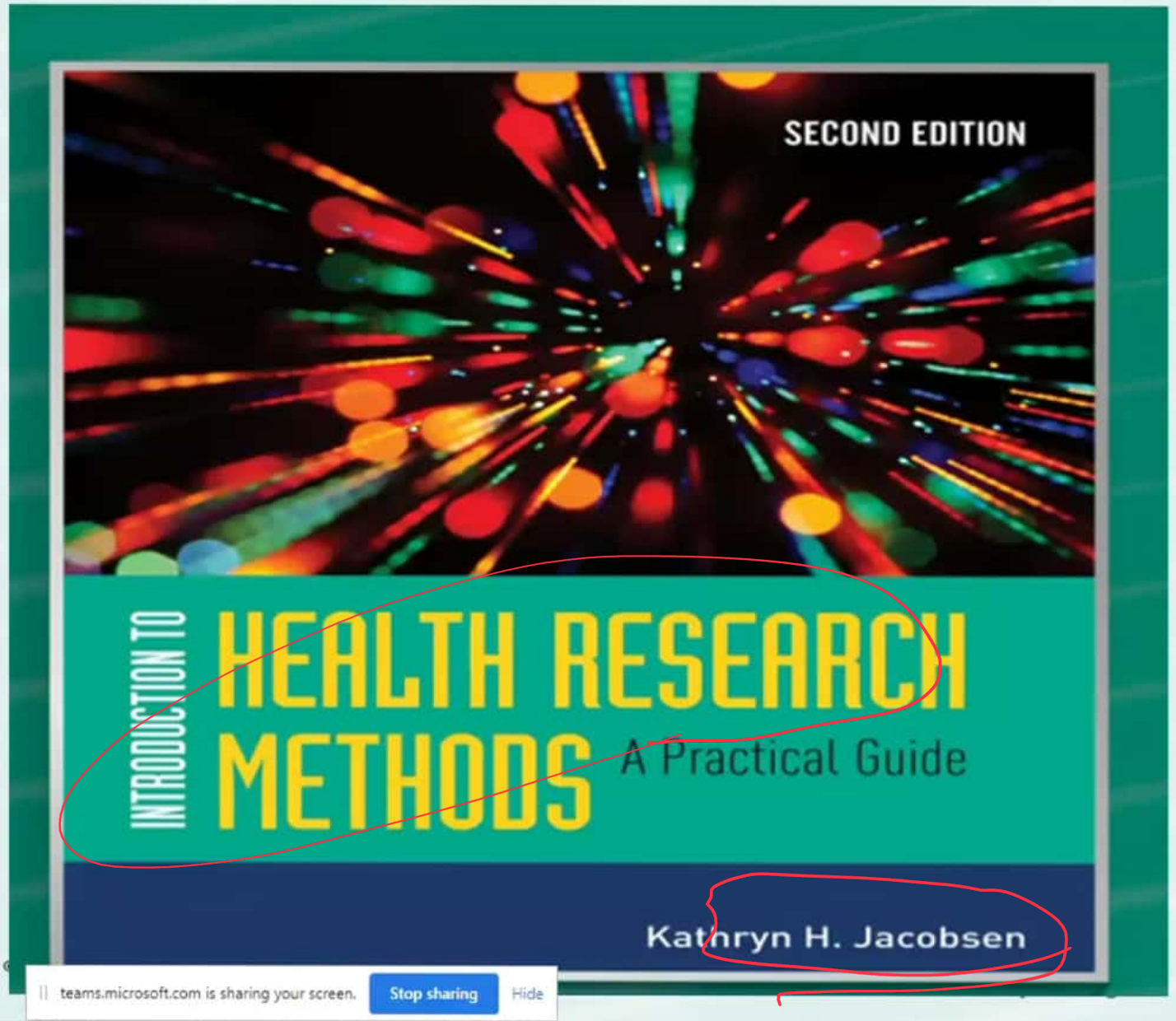


SCIENTIFIC MEDICAL RESEARCH

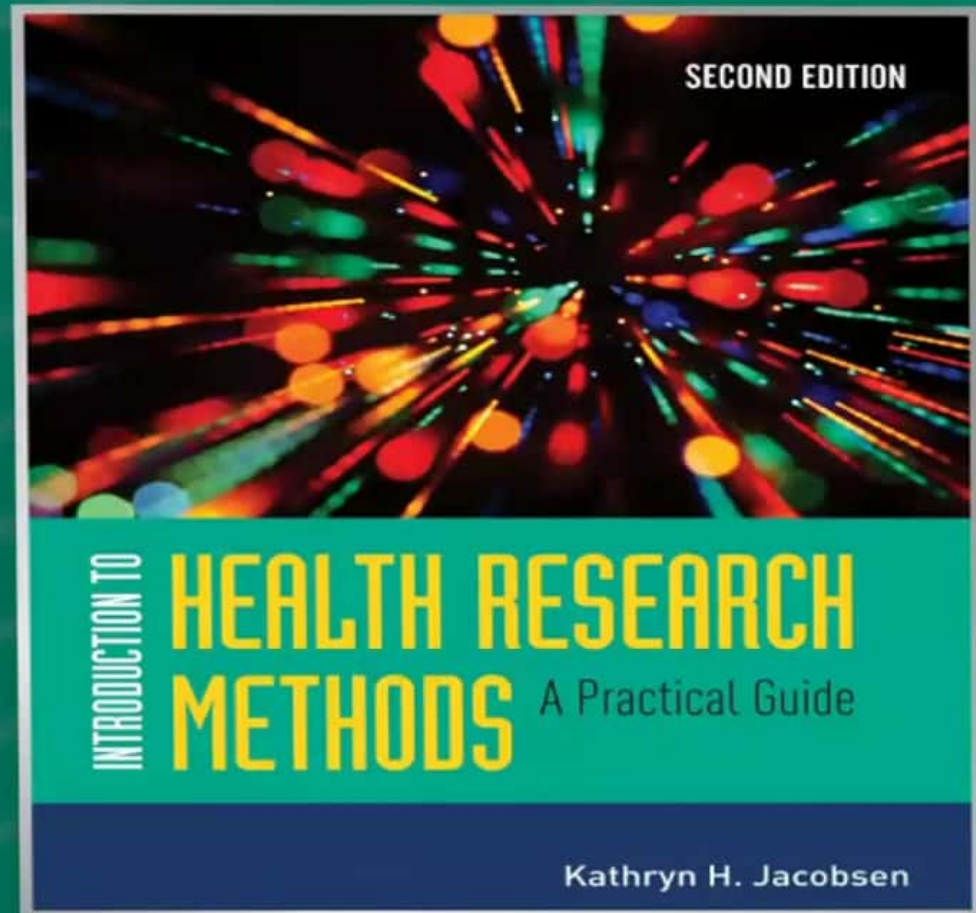
Week 1

Text Book



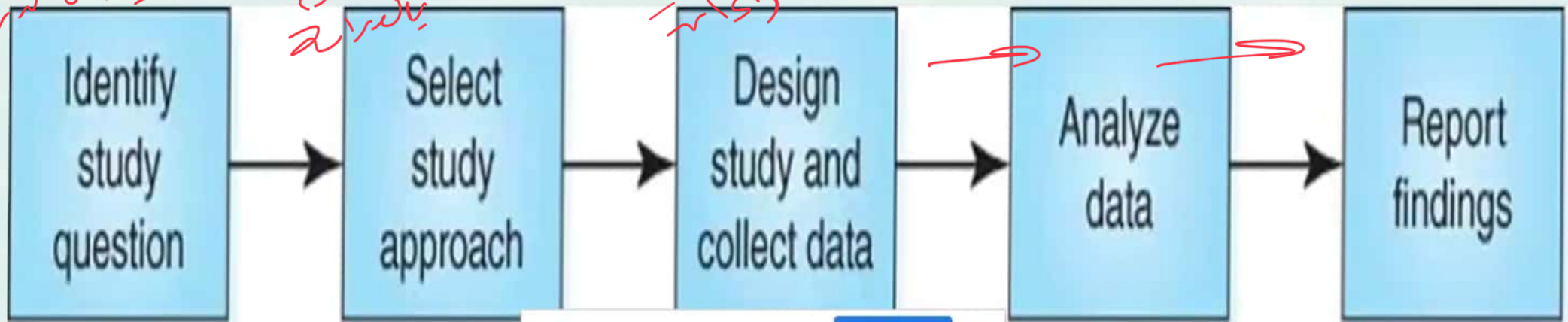
The Health Research Process

Chapter 1



1.1 The Research Process

- **Research:** the process of systematically & carefully investigating a subject in order to discover new insights about the world.
- Five steps



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research یہ وہ مسائل کا مجموعہ ہے (کامل)

ہی خطوات مقررہ (واقعی)

یعنی یہی خطوات

to Global health

1.2 Health Research

تدرج من Clinical Case Study

• **Health research** examines a broad spectrum of biological, socioeconomic, environmental, and other factors that contribute to the presence or absence of physical, mental, and social health and well-being.

• **Population health research** involves humans as the unit of investigation.

هو صنف البنية صافو humans

• There is a distinction between routine practice activities & health research.

كيس

المعقود في
التي تبيد
الكثير
بين بحث
وهو غير
صحيح

مثل لما بنجبت في كمان
outbreak of Gastroenteritis
هذا بحث
أما نظرت منظمة (Survey) results to confirm hypothesis

بیانِ احوال و مسائل، اعلیٰ تعلیم، تعلیم و ترقی

Subtraction survey

مدی ارضیات و ان کی کتب، کتب و

بیعت و لکھنؤ کی جامعہ، جامعہ و

وہو ہندوستان، اہل و عیال و

أما أسئلة من كذا وكذا

كيف وضع الباني

What is the health status of universal populations?
What are the major health concerns of these populations?

1.3 Health Research Purposes

توقف وضع الباني على هذا الزكي

1. Needs assessment (community health profiles)

2. Risk assessment (risk factors for disease)

- risks to health
- risk factors for morbidity mortality and so on

3. Applied practice (clinical effectiveness)

4. Outcomes evaluation (impact of interventions)

If you have job, project procedure, educational program

how well we are we preventing, diagnosing, treating health concerns

to evaluate clinical effectiveness of applied practice
(توقف الباني على هذا)

لازم تفعل
=> outcome
Evaluation
(توقف الباني)

The main purpose in any research is to answer
one well define question :-

كَيْفًا أَنْتَ لَا تَدْرِي، بِمَنْ تَكَلَّمَ لَكُنْ تَقِينُ (Price of Inform)

وَمَعَ الْوَقْتِ تَلْبَسُ تَرَكَيبًا. (Accumulative)

وَمَعِيَ الْإِيمَانُ مَعَهُ تَقِيمُ الْكَلِمَةِ الْكَلِمَاتِ

1.4 Book Overview

يُكْفِرُ أَنْ يَكُونَ لِدَلِيلِ الْعِلْمِ
وَيَكُونَ دَارِسِ الْكَلِمَاتِ
لِلْإِضْرَافِ
صِدْقِ رَأْيِهِ
وَصِدْقِ

- Everyone can do meaningful research!
- The best way to learn about health research is to do real research.
- Consults experts

الشيء
الذي
يُفَعِّلُ

رَأْيِهِ أَوْ مَشَارَافِهِ بِالْمَوْضِعِ

لِيَتَمَّ
لَدَيْهِمْ هَذَا الشَّيْءُ
عَلَيْهِمْ
under supervision

STEP 1

