



REPORT ON

RESEARCH METHODOLOGY AND BIostatISTICS

WORKSHOP HELD ON

09-08-2024

ORGANIZED BY:

DEPARTMENT OF EPIDEMIOLOGY

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

As part of a comprehensive series of one-day online workshops, third-year MBBS Part-I undergraduate medical students affiliated with The Tamil Nadu Dr. M.G.R. Medical University have been actively engaging in sessions running from March 1, 2024, through September 20, 2024.

On August 9, 2024, students from Indra Medical College and Hospital (IMCH) actively participated in a hands-on workshop held in their college lecture halls. The sessions were delivered through PowerPoint presentations projected on LCD screens, ensuring a clear and impactful learning experience. To facilitate the smooth execution of the workshop, each institution designated a nodal coordinator from the Community Medicine department, who played a crucial role in organizing and overseeing the event.

The workshop followed a structured schedule, start with a QR code for a pre-test on Research Methodology and Biostatistics, setting the stage for an immersive learning experience. The day continued with a series of engaging lectures, interspersed with interactive sessions that encouraged active participation and deepened the students' understanding of the topics at hand. As the workshop concluded, students were given a QR code for a post-test and feedback, providing them with an opportunity to assess their learning and share valuable insights.

In total, 120 undergraduate students from IMCH benefited from this enriching experience, enhancing their knowledge and skills in key areas of medical research and biostatistics.

THE KEY TOPICS COVERED ARE:

- 1.** Research Ideas /Questions & Objectives
- 2.** Searching and Organizing Literature
- 3.** Research Designs
- 4.** Basic Biostatistics in Health Research
- 5.** Research protocol

The workshop featured distinguished experts from prestigious institutions including **All India Institute of Medical Sciences (Nagpur), Madras Christian college, NIE-ICMR, SRM(Trichy) and TANCAM.**

INDRA MEDICAL COLLEGE AND HOSPITALS(IMCH)



INTERACTIVE SESSIONS BY THE EXPERTS

Active poll | fwe-ffzb-ccs

Change the research idea into a research question: Relation between social media use and health

Join at **slido.com**
#4108 603

11:53 AM | fwe-ffzb-ccs

"Uterine fibroid" OR "Leiomyoma" OR "myoma"

Uterine fibroid: 50
myoma: 3
Leiomyoma: 5

$50 + 5 + 3 - 2 = 56$

12:19 PM | fwe-ffzb-ccs

Kamala Easakimuthu (Presenting)

S Specific
Do: Set real numbers with real deadlines.
Don't: Say, "I need more visitors."

M Measurable
Do: Make sure your goal is measurable.
Don't: Hide behind buzzwords like, "brand engagement," or, "social influence."

A Attainable
Do: Work towards a goal that is challenging, but possible.
Don't: Try to take over the world in one night.

R Realistic
Do: Be honest with yourself; you know what you and your team are capable of.
Don't: Forget any hurdles you may have to overcome.

T Time-bound
Do: Give yourself a deadline.
Don't: Keep putting towards a goal you might hit, "some day."

Objectives

9/8/2024 | RMB8_TNMGIRAU_MBB8

3:36 PM | fwe-ffzb-ccs

COMPARISON SCORES OF PRE-TEST & POST-TESTS:

FIGURE 1: PRE-TEST SCORE

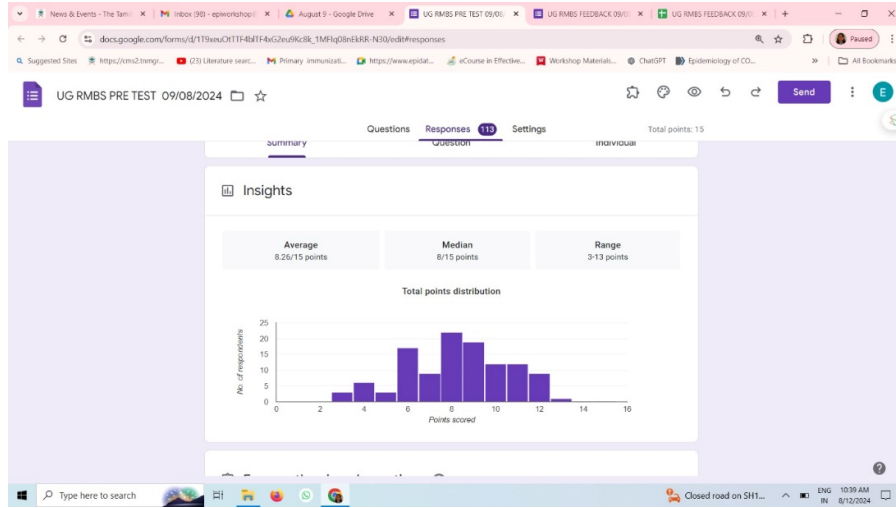
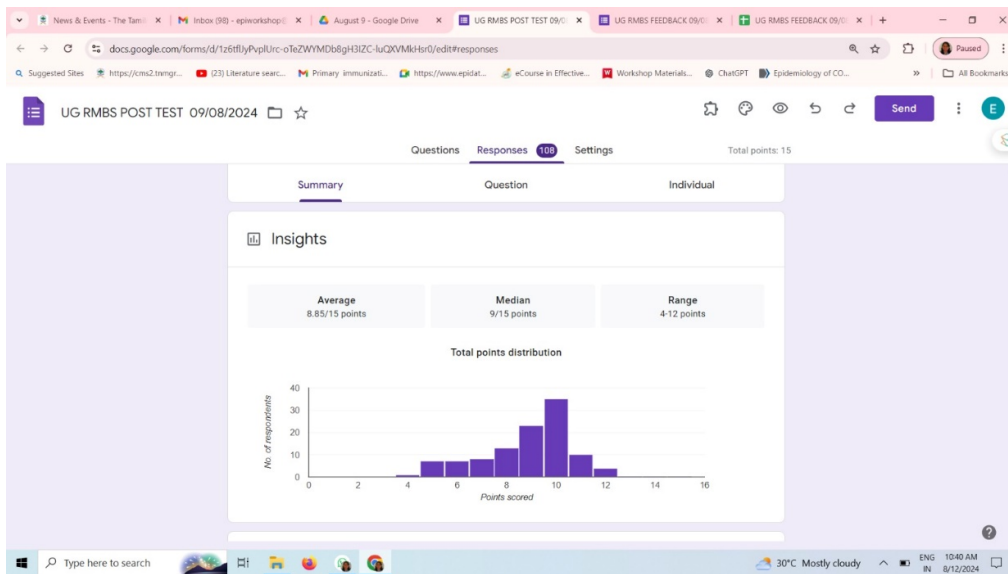


FIGURE 2: POST-TEST SCORE



OVERALL FEEDBACK FROM COLLEGE:

The meticulously organized workshop was incredibly valuable for us as third-year MBBS Part-1 students. Dr. Jasmine S. Sundar's introductory talk set a captivating tone, providing a strong foundation for the rest of the sessions.

We're deeply grateful for the comprehensive exploration of a wide range of topics. Dr. G. Srinivas, our professor and H.O.D. of the Department of Epidemiology, gave us a clear and insightful introduction to health research. T.S. Guga Priya's session on "Research Ideas/Questions & Objectives" and Dr. Rizwan's lecture on "Searching and Organizing Literature" were both incredibly enlightening.

Dr. Rajalakshmi's discussion on "Research Designs" gave us a solid understanding of various methodologies, while Dr. Paridayal's talk on "Basic Biostatistics in Health Research" made the complex concepts more accessible. Dr. E. Kamala's session on "Research Protocol" was not only interactive but also highly informative, and Dr. Jasmine S. Sundar's "Pre-test, Post-Test & Feedback" session helped us reinforce what we learned throughout the day.

A special thank you to the presenters for practically demonstrating tools like PubMed and using interactive polls during the sessions on research ideas, research design, and research protocol formulation. These practical demonstrations truly brought the concepts to life and enhanced our understanding.

Overall, this workshop provided us with invaluable insights and practical skills that will greatly benefit our future academic and research pursuits. On behalf of the third-year students at Indra Medical College and Hospital (IMCH), I can confidently say that the knowledge we gained will significantly enhance our future endeavours.