



Institute of Public Health

College of Medicine and Health Sciences
United Arab Emirates University

Strengthening Health System

*Capacity-Building and Training Workshops for
Health Professionals and Program staff*

**CME-Accredited
Hands-on Practice**

Background

In an unwavering dedication to the promotion and enhancement of public health in the United Arab Emirates and the region, the Institute of Public Health (IPH) is delighted to unveil a range of training workshops meticulously crafted and tailored for healthcare professionals and program staff. These workshops are designed to cater to the dynamic needs of professionals in the healthcare sector and geared towards delivering a holistic learning experience, empowering you to create a lasting impact in public health and health care delivery. The workshops aim to offer comprehensive insights along with practical hands-on experience in crucial areas of public health, ensuring that participants gain a profound understanding of the latest developments in their respective domains.



These workshops can be customized based on the needs of individuals and institutions.

This document provides an overview of the various types of workshops that are conducted by the IPH

For detailed insights into our transformative capacity-building and training workshops, we strongly encourage directors of continuing education, professional development programs, medical residency program directors, and all interested stakeholders to get in touch with us.

Contact

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Focal Point for IPH Research Training and Capacity-Building Workshops

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Institute of Public Health

Overview

The Institute of Public Health (IPH) at the College of Medicine and Health Sciences (CMHS) of the United Arab Emirates University plays a pivotal role in cultivating excellence through actively contributing to strengthening the health system and enhancing public health outcomes through a tripartite approach encompassing teaching, research, and service.

At the undergraduate level, IPH is instrumental in shaping the next generation of medical professionals through its integration into the six-year MD program. Moreover, IPH offers two advanced degrees tailored to meet the evolving needs of the healthcare landscape: the Master of Public Health (MPH) and the Doctor of Philosophy (Ph.D.) in Public Health. These programs not only foster academic rigor but also nurture critical thinking, leadership skills, and a commitment to evidence-based practice, preparing graduates to tackle complex public health challenges with confidence and efficacy.

Research capacity and expertise

The IPH features a highly skilled team of faculty and researchers proficient in advanced research methodologies, epidemiology, and biostatistics, as well as public, occupational, and environmental health. Its research portfolio is broad and includes systematic reviews, cohort and other observational studies, along with intervention research targeting critical health issues such as non-communicable and communicable diseases, maternal and child health, injury prevention, and the challenges of aging. Profiles of IPH members available [here](#).

Research productivity and impact

The highly skilled faculty and researchers have demonstrated exceptional research productivity, evident in their output from 2020 to 2023 (Figure 1). During this period, they published a total of 271 peer-reviewed journal

articles, along with several book chapters and conference proceedings. Our research output has seen a 55% growth from 2020 to 2023. The majority of these publications were featured in journals ranked within the top 10% and top 15% globally, showcasing

their recognized contributions to the field. Notably, the IPH is home to several faculty members and researchers who are recognized among the top 2% of cited scientists worldwide, according to Stanford University. The list of our publications from 2023 can be found at the conclusion of this document, while additional publications are available for access [here](#).

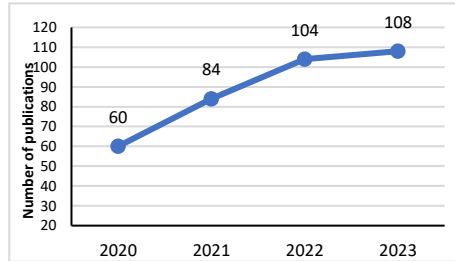


Figure 1. IPH-publications from 2020 to 2023.

Collaborations and capacity building training workshops

The IPH actively promotes collaboration with a diverse range of partners, encompassing both national and international universities, health authorities, government agencies at local to national levels, hospitals, clinics, and the industrial sector. Through its well-structured and effective capacity-building training programs, the IPH has made significant contributions to the training of health professionals and residents, researchers, and postgraduate students. These CME-accredited initiatives not only enhance professional development but also ensure the dissemination of cutting-edge knowledge and practices in the field of public health and epidemiology.

CME-Accredited Workshop Offerings

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Research Methodology and Study Designs

From crafting research questions to designing study protocol

Overview

This workshop is tailored for healthcare professionals, researchers, and individuals engaged in scientific inquiry. The workshop is designed to provide a comprehensive exploration of research methodology and study designs, offering participants a solid foundation in planning, conducting, and interpreting research studies. The workshop covers a range of research methodologies and study designs, equipping participants with the knowledge and skills needed to navigate the intricacies of the research process. This workshop is designed to guide participants from the inception of their research questions to the development of the study protocol.

Aim

The aim of this workshop is to master the concepts and methodologies behind different study designs utilized in epidemiology, public health, and clinical research, covering the following:

- **Designing Your Research Question and Objectives**
 - Learn to formulate clear, focused research questions and objectives.
 - Understand the importance of a well-defined research scope.
- **Choosing the Right Study Design**
 - Explore various study designs, including observational and experimental approaches.
 - Gain insights into the selection criteria for different study designs.
- **Data Collection Methods and Tools**
 - Overview of data collection techniques and tools.
 - Practical guidance on selecting the most appropriate methods for your study.
- **Interpretation of Findings**
 - Strategies for interpreting research findings effectively.
- **Case studies of published articles to navigate through real-world scenarios to enhance your analytical skills.**
- **Critical appraisal of published articles to navigate through real-world scenarios to critically assess the quality and strength of the published evidence.**

Benefits

Participants will gain a comprehensive understanding of the research process, complemented by practical, hands-on experience. From formulating precise research questions and objectives to deciphering complex findings. This workshop empowers individuals to undertake robust research endeavors. Interactive sessions foster a collaborative learning environment, enhancing participants' confidence in applying these skills to their own research pursuits. The workshop will also instruct participants on critically assessing the quality and strength of evidence reported in scientific studies.

Workshop coordinator	Dr. Rami H. Al-Rifai, Associate Professor of Epidemiology
Contact information	Email: rrifai@uaeu.ac.ae . Mobile: +971 - 504136302
Short biography	Dr. Rami is committed to research capacity building and professional training. He has designed and led numerous workshops on research methodology, systematic reviews, and meta-analyses. He has played a role in training and developing the research capacity of more than 150 medical residents, researchers, and post-graduate students. His academic influence is underscored by authoring more than 100 peer-reviewed articles that have garnered over 3,300 citations. Dr. Rami, has achieved notable recognition in his field, being named among the Top 2% of highly cited scientists by Stanford University for four consecutive years (2020-2024) and receiving the Excellence-Award-Winning Scholar distinction in 2020 from the College of Medicine and Health Sciences, UAE University. Full profile click here

Biostatistics with Hands-On Practice on Statistical Software

From hypotheses conceptualization to descriptive and inferential analysis

Overview

Biostatistical analyses and interpretation are an integral part of scientific research. From design to interpretation, in this workshop you will embark on a journey into the world of Biostatistics with our comprehensive workshop designed for healthcare professionals, researchers, and individuals seeking proficiency in statistical analysis for biomedical and health sciences. The workshop is tailored to provide a balanced blend of theoretical foundations and practical application through hands-on practice.

Aim

The workshop aims to empower participants by enhancing their skills in comprehending both fundamental and advanced principles of biostatistical procedures employed in biomedical and health research. This aim will be achieved through covering the following components:

- Introduction to key biostatistical concepts and terminology.
- Understanding the role of statistics in healthcare research.
- Exploring measures of central tendency and dispersion.
- Hands-on practice in creating impactful visualizations for data exploration.
- Delving into hypothesis testing and confidence intervals.
- Understanding p-values, statistical significance, and practical significance.
- Application of statistical techniques specific to the biomedical field.
- Regression analysis, survival analysis, and categorical data analysis.
- Hands-on sessions using widely used statistical software (e.g., R, SPSS, or SAS).
- Step-by-step guidance on data manipulation, analysis, and result interpretation.
- Strategies for effective interpretation and communication of statistical findings.

Benefits

Participants will gain a solid foundation in biostatistical principles and techniques, coupled with practical skills in using statistical software. The hands-on approach ensures that participants can immediately apply what they learn to their own research or professional projects. The workshop fosters a collaborative learning environment, allowing participants to engage with statistical concepts in a supportive and interactive setting.

Workshop coordinator	Dr. Emad Masuadi, Assistant Professor o Biostatistics
Contact information	Email: emasuadi@uaeu.ac.ae . Mobile:+971-509207172
Short biography	Dr. Emad Masuadi, PhD is an assistant professor of Biostatistics at the United Arab Emirates University (UAEU). He earned his Ph.D. in statistics (Survival analysis) from Oxford Brookes University. He has been teaching at the university for the last 20 years. He taught a variety of courses such as Biostatistics, Statistics for Biology, Statistics for social science, Engineering statistics, and business statistics. He has extended his experience in applied statistics as well as data analysis in different disciplines. He has more than 150 publications in medical journals. He is an expert in statistical software such as SPSS, JMP, STATA, R, MINITAB, and GAUSS.

Systematic Reviews and Meta-Analysis in Evidence-Based Medicine

Theoretical and Practical Aspects with Hands-on Practice to Enhance Evidence Utilization and Implementation

Overview

Systematic reviews and meta-analyses (SRs & MAs) studies are considered to be at the top of the hierarchy of scientific evidence due to their rigorous and comprehensive approach to synthesizing research finding. SRs & MAs serve as invaluable tools for translating research findings into actionable insights. They contribute to evidence-based practice, policy formulation, and the advancement of scientific knowledge, collectively working towards improving the quality of healthcare delivery and outcomes. These studies are widely used by healthcare practitioners, health policy makers, and researchers as a strong source of:

- Evidence-Informed Decision-Making process.
- Updating Existing and Developing New Clinical Guidelines.
- Continuous Professional Development.
- Identifying gaps in scientific evidence.

Aim

The aim of this workshop is to master the concepts and methodological aspects behind this powerful research and evidence-based synthesis technique by achieving the following learning outcomes:

- Understanding the principles and significance of systematic reviews and meta-analysis in evidence-based research.
- Gaining insights into the step-by-step process of designing and conducting systematic reviews.
- Learning the intricacies of meta-analysis and its applications in quantitative research.
- Practical Application and Hands-on practice sessions to reinforce theoretical concepts.
- Critical appraisal of published systematic reviews and meta-analysis to navigate through real-world scenarios to critically assess the quality and strength of the published evidence.

Benefits

Participants will gain practical insights into the systematic review and meta-analysis process, equipping them with the skills needed to contribute to evidence-based decision-making in healthcare. The workshop fosters a collaborative learning environment, encouraging participants to engage actively and apply their knowledge in real-world scenarios.

Workshop coordinator	Dr. Rami H. Al-Rifai, Associate Professor of Epidemiology
Contact information	Email: rrifai@uaeu.ac.ae / Mobile: +971 - 504136302
Short biography	Dr. Rami is committed to research capacity building and professional training. He has designed and led numerous workshops on research methodology, systematic reviews, and meta-analyses. He has played a role in training and developing the research capacity of more than 150 medical residents, researchers, and postgraduate students. His academic influence is underscored by authoring more than 100 peer-reviewed articles that have garnered over 3,300 citations. Dr. Rami achieved notable recognition in his field, being named among the Top 2% of highly cited scientists by Stanford University for four consecutive years (2020-2024) and receiving the Excellence-Award-Winning Scholar distinction in 2020 from the College of Medicine and Health Sciences, UAE University. Full profile, click here

Manuscript writing and preparing manuscripts for publication

Components, Structure, and Logical Presentation

Overview

To have an impact, research findings should be reported in a well-structured and absorbable presentation. The workshop will provide participants with a comprehensive understanding of the essential elements and components involved in crafting and submitting manuscripts for publication in academic journals, magazines, or other platforms. The workshop will cover various aspects of the manuscript preparation process, guiding participants through key steps to enhance the chances of successful publication. Here's an overview of what the workshop may include:

Aim

This workshop aims to enhance your skills in crafting high-quality manuscripts for publication in peer-reviewed journals. This aim will be achieved through covering the following components:

- Introduction to Manuscript Writing:
 - Understanding the purpose of manuscript writing.
 - Identifying the target audience and selecting appropriate journals.
- Structural Elements of a Manuscript:
 - Title, abstract, keywords, introduction, methodology, results, discussion, conclusion, and references.
- Proper organization and sequencing of content.
- Writing Style and Clarity:
 - Tips for clear and concise writing.
 - Avoiding common pitfalls in language and style.
- Citation and Referencing:
 - Proper use of citations and references according to the selected citation style.
 - Avoiding plagiarism and understanding ethical considerations.
- Manuscript Formatting Guidelines:
 - Following journal-specific formatting requirements.
 - Guidelines for figures, tables, and supplementary materials.

- Peer Review Process:
 - Overview of the peer review process and its significance.
 - Strategies for addressing reviewer comments and feedback.
- Submission Process:
 - Preparing the manuscript for submission.

Benefits

By the end of the workshop, participants will have gained a solid foundation in manuscript writing and preparation, equipped with the knowledge and skills needed to navigate the publication process successfully.

Workshop coordinator	Dr. Azhar Talal Rahma, Lecturer
Contact information	Email: azhar.talal@uaeu.ac.ae . Mobile: +971 - 501126098
Short biography	Rahma Azhar, MPH, PhD earned a bachelor's degree in pharmacy from the Ajman University of Science and Technology -UAE in 2001 and an MPH and PhD from UAEU in 2015 and 2021. Azhar holds an American board in medical quality and patient safety. She is a mentor in Global Health Mentorships. She has published in high-impact journals and presented them at national and local conferences. Dr. Azhar is a member of the Emirates Public Health Association (EPHA). Azhar was awarded as the Best Pharmacist at SEHA in both 2018 & 2019. Azhar had been awarded the grant of Summer Undergraduate Research Experience (SURE) PLUS in both 2022 & 2023. Azhar is the editor of the book "Raising Genomics Literacy, knowledge, and Awareness." And the editor in the Q1 Journal "Human Genomics".

Operational Research and Translating Research Findings into Policy and Practice

**Bridging the Gap Between Research Endeavors and Real-world
Implementation**

Overview

Operational Research is a discipline that uses analytical methods to make better decisions and solve complex problems. It involves the application of specific techniques to decision-making processes within organizations to improve efficiency, effectiveness, and overall performance. This workshop is designed to provide participants with insights and skills related to conducting operational research and effectively translating the research findings into actionable policies and practices.

Aim

With an aim to enhance translating research findings into actionable policy and practice by bridging the gap between research endeavors and real-world implementation, this workshop will empower participants with an in-depth understanding of the concept, methodology, and procedural aspects of operational Research. The workshop covers the following:

- Introduction to operational research
- Problem identifying and formulation
- Data collection and analysis
- Alternative solutions and solution optimization
- Decision analysis
- Implementation through translating the results of the analysis into actionable recommendations and helping organizations implement changes based on those recommendations.

Benefit

Operational research is particularly useful in situations where decision-makers face complex and uncertain environments and need a systematic and quantitative approach to support their choices.

Upon workshop completion, participants will possess the skills to apply operational research techniques, thereby elevating the results of scientific inquiries and delivering impactful solutions.

Workshop coordinator	Dr. Mohammed Khogali, Associate Professor
Contact information	ahmedm@uaeu.ac.ae
Short biography	Dr. Khogali is a medical doctor holding a Master of Public Health in Disease Control and a Ph.D. in Operational Research with over 60 published articles on operational/implementation research-related work. His research involves assessing the effectiveness of health interventions, tools, and strategies to generate evidence and provide innovative insights that public health leaders can use to inform decision-making and improve health service delivery and overall program performance. Prior to joining UAEU, Dr. Khogali served as a scientist at the World Health Organization (WHO) based in Geneva, where he was involved in managing and implementing operational research projects to strengthen health systems for tackling the emergence and spread of Antimicrobial Resistance (AMR), accelerating progress towards Universal Health Coverage (UHC) and Sustainable Development Goals (SDGs). Dr. Khogali also worked as a Senior Technical Advisor for the Data Impact Program of the Bloomberg Data for Health Initiative (D4HI) based in New York. His responsibilities included providing managerial and technical support to health institutions and ministries of health engaged in Bloomberg Data for Health Initiative (D4HI) on the use of data and research evidence to advance health policy agenda and improve public health.

Qualitative Research Methodology

Concept, Methodology, and Hands-On Appraisal

Overview

Qualitative research is exploratory and aims to understand the depth and complexity of a specific phenomenon. It is often used to uncover meanings, motivations, and underlying patterns in human behavior through in-depth focus group discussions. The workshop is tailored for researchers, social scientists, and those intrigued by the depth of human experiences. It offers a comprehensive exploration of qualitative research principles, methodologies, and critical appraisal.

Aim

The aim of the Qualitative Research Methodology workshop is to empower participants with a comprehensive understanding of qualitative research principles, methodologies, and critical appraisal skills. The workshop covers the following:

- Detailed overview of qualitative methods of data collection, including observation, interviews, and focus group discussions.
- Designing a qualitative research project to respond to specific public health problems or questions.
- Hands-on experience of each method including developing data collection guides, and techniques for managing data collection.
- Transcription process for recorded interviews and focus group discussions, reflexivity as well the right thematic analysis using different techniques and approaches.
- Critically appraise and evaluate qualitative research reports in public health or social and behavioral sciences.

Benefits

Participants will gain a deep understanding and gain advanced skills in qualitative research, from conceptualization to critical appraisal. The workshop's hands-on approach fosters practical skills, allowing participants to immerse themselves in the qualitative research process. By the end of the workshop, participants will be equipped to design, conduct, and critically evaluate qualitative studies.

Workshop coordinator	Dr. Iffat Elbarazi
Contact information	ielbarazi@uaeu.ac.ae / 037137643
Short biography	Dr. Iffat holds a wealth of experience spanning over 25 years, making significant contributions in the fields of healthcare, patient services, community health education, and academia. Her primary research interests encompass health promotion, health education, psychosocial and mental health, cancer education, prevention of chronic diseases, women's health, and the determinants and practices of a healthy lifestyle. Dr. Iffat has garnered recognition for her exceptional contributions to research and patient support, her commitment to undergraduate teaching, and her outreach initiatives. She has a strong foundation in qualitative research and behavioral change theories. She also has a strong background in capacity building and training, focusing on health promotion, program planning, patient education, behavioral change, health communication, health literacy, qualitative research, and behavioral change theories. For more information, you may access her profile on profile.

Disease Outbreak Investigation and Control

A Comprehensive Workshop to Master Disease Outbreak Detection and Investigation

Overview

This workshop is designed to offer a detailed understanding of the disease outbreak and the importance of early detection and control. The workshop will provide an exploration into the methodologies and strategies essential for effectively managing and mitigating the impact of disease outbreaks. Participants will delve into practical insights and real-world scenarios to enhance their understanding of outbreak dynamics, response mechanisms, and control measures.

Aim

The primary aim of this workshop is to equip participants with the knowledge and skills necessary to proficiently investigate and control disease outbreaks. By blending theoretical frameworks with hands-on exercises, the workshop aims to empower attendees to navigate the complexities of outbreak scenarios, enabling them to contribute effectively to public health initiatives.

This aim will be achieved by covering the following components:

- **Surveillance systems:** healthcare-facility based, environmental and zoonotic diseases surveillance systems.
- Strategies for early detection and controlling disease outbreaks.
- **Practical Skills:** Develop hands-on skills in outbreak investigation, data analysis, and the implementation of control measures through interactive sessions and case studies.
- **Effective Response:** Learn to formulate and implement robust response plans, enhancing your ability to contribute to timely and efficient outbreak control efforts.

Benefits

This workshop is designed for individuals and professionals seeking to bolster their expertise in disease outbreak investigation and control, making it an invaluable resource for those committed to advancing public health outcomes.

Workshop coordinator	Dr. Rami H. Al-Rifai, Associate Professor of Epidemiology
Contact information	Email: rrifai@uaeu.ac.ae Mobile: +971 - 504136302
Short biography	Dr. Rami is committed to research capacity building and professional training. He has designed and led numerous workshops on research methodology, systematic reviews, and meta-analyses. He has accumulated extensive field experience in investigating disease outbreaks. Through his efforts, he has significantly contributed to the training and development of over 150 medical residents, researchers, and postgraduate students, enriching their skills and knowledge in these critical areas. His academic influence is underscored by authoring more than 100 peer-reviewed articles that have garnered over 3,300 citations. Dr. Rami achieved notable recognition in his field, being named among the Top 2% of highly cited scientists by Stanford University for three consecutive years (2020-2024) and receiving the Excellence-Award-Winning Scholar distinction in 2020 from the College of Medicine and Health Sciences, UAE University. Full profile click here

Mastering the Art of Grant Proposal Writing

Paving the Way to Successful Funding

Overview

Securing research funding is pivotal to the successful execution of scientific research, enabling the generation of evidence-based findings. This workshop is meticulously crafted to empower participants with indispensable skills and knowledge essential for crafting persuasive and impactful grant proposals. Tailored for optimal effectiveness, the workshop offers a thorough exploration of critical strategies and best practices in the nuanced field of grant proposal development. Participants can expect to gain a deep understanding of the intricacies involved in creating compelling proposals, ensuring they are well-equipped to navigate the competitive landscape of research funding.

Aim

The primary aim of this workshop is to empower participants with the expertise to create persuasive and impactful grant proposals. By delving into the intricacies of effective proposal writing, participants will gain insights into structuring proposals, identifying key elements, addressing funder expectations, and enhancing overall proposal quality. This aim would be achieved by addressing the following:

- **Skill Enhancement:** Develop practical skills in proposal writing, including crafting compelling narratives, defining project objectives, and outlining budgets.
- **Increased Success Rates:** Gain valuable insights into the expectations of grant funders, increasing the likelihood of successful funding outcomes.
- **Tailored Guidance:** Receive guidance and feedback from experienced facilitators to refine your proposal writing techniques.
- **Networking Opportunities:** Connect with fellow participants, fostering potential collaborations and partnerships within the grant-seeking community.

Benefit

This workshop stands as a dynamic opportunity for individuals and organizations dedicated to enhancing their proficiency in grant proposal writing. By participating,

attendees position themselves to achieve notable success in securing funding for their projects. The workshop serves as a transformative platform, fostering the development of robust skills and strategies that are crucial in navigating the competitive landscape of grant acquisition. Through this engaging experience, participants can expect to elevate their capabilities, translating into tangible outcomes in the pursuit of funding for their impactful initiatives.

Workshop Coordinator	Prof. Syed Shah, Professor of Epidemiology
Contact information	Email syeds@uaeu.ac.ae . Tel: +1 971569264754
Short biography	Prof. Shah is a physician with Master in Global Health and PhD in Epidemiology, and a one-year Certificate course on clinical trials from Harvard Medical School, Boston, USA. He is the World Heart Federation Emerging for Noncommunicable Diseases Prevention and a WHO consultant on research in migrants' health. With funding support from USAID, he trained frontline health managers from central Asia, East Africa, and the Indian Subcontinent in research and grant proposal writing over five years. He mentored health professional Fulbright scholars and post-graduate & graduate students in the USA and Canada and was honored with the Best Mentorship Award by the Canadian Coalition of Global Health and Michigan State University. He teaches research protocol development courses for medical students for the last several years at the College of Medicine, UAE University.

Environmental Determinants of Health

From Basic Concepts to Solutions for Climate Change

Overview

Environment plays a crucial role in determining the health of the population. The workshop will provide participants with a comprehensive understanding of the elements of our environment and how they can influence human health. The workshop helps to develop skills in identifying and evaluating current environmental health issues, analyzing challenges with respect to environmental pollution and human health, and constructing scientific approaches to provide effective strategic solutions.

Aim

The primary aim of this workshop is to equip participants with the knowledge and skills necessary to identify and manage environmental threats to human health.

This aim will be achieved through covering the following components:

- Introduction to Environmental Health
 - Environmental toxicology
 - Environmental epidemiology
 - Environmental disease burden
- Air Pollution
 - Outdoor and indoor air pollution
 - Air quality monitoring, smog alert
- Water and Soil Pollution
- Waste
 - Generation
 - Management
- Climate Change
 - Principles, driving forces, consequences and solutions
 - Sustainability

Benefits

By the end of the workshop, participants will gain the knowledge and skills required for understanding crucial environmental problems and finding scientifically sound

effective solutions for them. Through real-world case scenarios, the workshop facilitates team learning and encourages participants to actively apply their knowledge and develop their skills in environmental health practice.

Workshop coordinator	Dr. Balázs Ádám, Associate Professor of Environmental Health and Occupational Medicine
Contact information	Email: badam@uaeu.ac.ae Mobile: +971 - 5515886122
Short biography	Dr. Balázs Ádám conducts studies on health risks in the ambient and occupational environment, health impact assessments, and systematic reviews. He is a fellow of FOM, RCPI, member of ASPHER, and other professional bodies. He works as a WHO expert, active in international networking and research with over 100 publications.

Introduction to Health Education and Health Promotion Planning

Overview

Health education and health promotion play a pivotal role in improving public health outcomes by empowering individuals and communities to make informed decisions about their health. This workshop aims to provide participants with a comprehensive understanding of the principles and practices of health education and promotion. Through theoretical knowledge and hands-on practice, participants will gain the skills needed to design, implement, and assess effective health education and promotion programs.

Aim

The primary goal of this workshop is to equip participants with the knowledge and skills necessary for effective health education and health promotion. The learning outcomes include:

1. Understanding the foundational principles and significance of health education and health promotion in public health.
2. Gaining insights into the step-by-step process of designing and implementing health education and promotion programs.
3. Learning the details of behavior change theories and their application in health promotion.
4. Analyzing case studies of successful health education and promotion initiatives to enhance practical skills.
5. Critical appraisal of existing health education programs to assess their effectiveness and identify areas for improvement.

Benefits

Participants will develop a solid foundation in health education and promotion, enabling them to contribute effectively to public health initiatives. The workshop promotes a collaborative learning environment, encouraging active engagement and the application of knowledge in real-world scenarios.

The workshop is designed to benefit a diverse audience involved in health-related activities and interested in enhancing their understanding and skills in health education and promotion.

The target group for this workshop would typically include Healthcare Professionals, Public Health Practitioners, Health Educators, Community Health Workers, Students in Health Sciences, Policy Makers, Nonprofit Organizations Staff, volunteers, Educators, and Trainers.

Workshop coordinator	Dr. Iffat Elbarazi
Contact information	ielbarazi@uaeu.ac.ae / 037137643
Short biography	With over 25 years of experience, Dr. Iffat has made significant contributions in healthcare, patient services, community education, and academia, focusing on health promotion, mental health, and chronic disease prevention. Recognized for her research, teaching, and outreach, she specializes in women's health, healthy lifestyle practices, and cancer education. Her expertise includes qualitative research, behavioral change theories, health communication, and capacity building. For more details, view her profile .

Effective Health Communication

Strategies for Impactful Messaging

Overview

Effective health communication is essential for fostering understanding, promoting positive health behaviors, and influencing public health outcomes. This course is designed to provide participants with a comprehensive understanding of health communication strategies, enabling them to communicate health information clearly, engage diverse audiences, and contribute to improved health outcomes.

Aim

The primary aim of this course is to equip participants with the knowledge and skills necessary for effective health communication. Key learning outcomes include:

1. Understanding the principles and theories of health communication.
2. Developing skills in crafting clear and impactful health messages for diverse audiences.
3. Exploring various communication channels and technologies in health promotion.
4. Addressing cultural and linguistic considerations in health communication.
5. Hands-on practice in creating and delivering health messages.

Benefits

Participants will gain practical skills to communicate health information effectively, fostering positive health behaviors and enhancing public health outcomes. The course encourages active engagement and the application of communication strategies in real-world scenarios.

This course is suitable for individuals involved in health communication, advocacy, and public health promotion, as well as those seeking to enhance their communication skills in health and well-being.

Target Group

- Healthcare Professionals

- Public Health Practitioners
- Health Educators
- Communication Specialists in Health Organizations
- Students in Health Communication/ public health
- Policy Makers
- Nonprofit Organizations focused on Health Advocacy

Workshop coordinator	Dr. Iffat Elbarazi
Contact information	ielbarazi@uaeu.ac.ae / 037137643
Short biography	With over 25 years of experience, Dr. Iffat has made significant contributions in healthcare, patient services, community education, and academia, focusing on health promotion, mental health, and chronic disease prevention. Recognized for her research, teaching, and outreach, she specializes in women's health, healthy lifestyle practices, and cancer education. Her expertise includes qualitative research, behavioral change theories, health communication, and capacity building. For more details, view her profile .

Effective Risk Communication in Crisis Situations

Strategies for Preparedness and Response

Overview

During crises, clear and effective communication is vital for managing risks, mitigating potential harm, and ensuring public safety. This workshop is designed to equip participants with the skills and knowledge necessary to navigate the complexities of risk communication during various crisis situations. Through practical exercises and case studies, participants will learn how to communicate information accurately, transparently, and empathetically to diverse audiences.

Aim

The primary aim of this workshop is to enhance participants' abilities in risk communication during crisis situations. Key learning outcomes include:

1. Understanding the principles and theories of risk communication in crisis management.
2. Developing skills in crafting clear and transparent crisis messages for diverse stakeholders.
3. Exploring effective communication channels and technologies during crises.
4. Addressing cultural, psychological, and ethical considerations in risk communication.
5. Hands-on practice in developing and delivering crisis communication messages.
6. Analyzing case studies of successful and unsuccessful risk communication during crises.

Benefits

Participants will gain practical skills to communicate risks effectively during crisis situations, contributing to better crisis management, community resilience, and public safety. The workshop encourages active engagement and the application of risk communication strategies in realistic scenarios.

This workshop is suitable for individuals involved in crisis management, emergency response, public health, and communication, as well as those seeking to enhance their risk communication skills in the context of crises and emergencies.

Target Group

- Emergency Response Teams
- Crisis Communication Specialists
- Public Health Officials
- Government and Community Leaders
- Media Professionals
- Disaster Management Professionals
- Communication Managers in Organizations

Workshop coordinator	Dr. Iffat Elbarazi
Contact information	ielbarazi@uaeu.ac.ae / 037137643
Short biography	With over 25 years of experience, Dr. Iffat has made significant contributions in healthcare, patient services, community education, and academia, focusing on health promotion, mental health, and chronic disease prevention. Recognized for her research, teaching, and outreach, she specializes in women's health, healthy lifestyle practices, and cancer education. Her expertise includes qualitative research, behavioral change theories, health communication, and capacity building. For more details, view her profile .

Enhancing Health Literacy

Empowering Individuals for Informed Decision-Making

Overview

Health literacy is fundamental to individuals' ability to understand, interpret, and act upon health information for better well-being. This course is designed to provide participants with a comprehensive understanding of health literacy and equip them with the skills to promote and enhance health literacy in diverse populations. Through interactive sessions and practical exercises, participants will explore strategies to improve health communication and empower individuals to make informed decisions about their health.

Aim

The primary aim of this course is to enhance participants' knowledge and skills in promoting health literacy. Key learning outcomes include:

1. Understanding the concept and significance of health literacy in public health.
2. Identifying factors influencing health literacy levels in diverse populations.
3. Developing effective health communication strategies for different literacy levels.
4. Designing health education materials that are accessible and comprehensible.
5. Promoting cultural competence in health literacy initiatives.

Benefits

Participants will gain practical skills to assess, address, and improve health literacy, ultimately contributing to better health outcomes and increased community empowerment. The course encourages active engagement and the application of health literacy strategies in real-world contexts.

This course is suitable for individuals working in healthcare, public health, education, and community organizations, as well as those interested in fostering health literacy within diverse communities.

Target Group

- Healthcare Professionals
- Public Health Practitioners
- Health Educators
- Community Health Workers
- Educators and Students in Health Sciences
- Policy Makers
- Social Sciences Professionals
- Nonprofit Organizations focused on Health Advocacy

Workshop coordinator	Dr. Iffat Elbarazi
Contact information	ielbarazi@uaeu.ac.ae/ 037137643
Short biography	With over 25 years of experience, Dr. Iffat has made significant contributions in healthcare, patient services, community education, and academia, focusing on health promotion, mental health, and chronic disease prevention. Recognized for her research, teaching, and outreach, she specializes in women's health, healthy lifestyle practices, and cancer education. Her expertise includes qualitative research, behavioral change theories, health communication, and capacity building. For more details, view her profile .

Policy Brief with Hands-On Practice

How to Plan, Write and Communicate an Effective Policy Brief

Overview

In the fast-paced world of policymaking, the ability to succinctly convey key information and recommendations is paramount. This workshop is designed to equip participants with the knowledge and practical skills necessary to create impactful policy briefs. In this engaging session, participants will delve into the art and science of crafting compelling policy briefs that drive change and influence decision-makers.

Aim

The primary aim of this workshop is to empower participants with the knowledge and practical skills required to develop and communicate effective policy briefs. By the end of the session, participants should be able to:

- **Strategically Plan:** Understand the strategic elements involved in planning a policy brief, including identifying stakeholders, setting clear objectives, and tailoring the brief to the intended audience.
- **Master the Art of Writing:** Acquire the skills to craft clear, concise, and compelling policy briefs. Explore effective writing techniques and structures to enhance the impact of your message.
- **Enhance Communication Skills:** Develop the ability to communicate policy recommendations persuasively. Explore the art of conveying complex ideas with clarity and authority, utilizing visuals and data to strengthen your communication.
- **Hands-On Application:** Apply theoretical knowledge through practical exercises. Engage in real-world scenarios to practice planning, writing, and communicating policy briefs, receiving constructive feedback for continuous improvement.
- **Transform Ideas into Action:** Gain the confidence and tools needed to transform ideas into actionable policies. Equip yourself with the skills necessary to navigate the intricacies of policymaking successfully.

- **Networking Opportunities:** Connect with fellow participants, facilitators, and experts in the field, fostering a collaborative environment for knowledge exchange and future professional opportunities.

Benefit

Participate in this workshop to not only enhance your understanding of policy briefs but also to develop practical skills that will empower you to be a more effective and influential contributor to the policymaking process. The benefits extend beyond the workshop, providing a valuable asset for your professional toolkit.

Workshop coordinator	Dr. Mohammed Khogali, Associate Professor
Contact information	ahmedm@uaeu.ac.ae
Short biography	Dr. Khogali is a medical doctor with a Master of Public Health in Disease Control and a PhD in Operational Research. Dr. Khogali, with over 60 publications, has significantly impacted public health through research on health interventions' effectiveness. His work supports informed decision-making and enhances health service delivery. At the WHO in Geneva, he focused on combating antimicrobial resistance and advancing universal health coverage and Sustainable Development Goals (SDGs). As a Senior Technical Advisor for the Bloomberg Data for Health Initiative in New York, he provided crucial support to health ministries, using data to improve health policies and public health.

Critical Appraisal of Health Research with Hands-On Practice

Decoding Health Research

Overview

Decoding Health Research is an intensive workshop designed to provide participants with a comprehensive understanding of critical appraisal in health research, coupled with hands-on practical experience. In this workshop, participants will unravel the intricacies of health research methodologies, learn to assess the quality of evidence, and gain practical skills to critically appraise research studies.

Aim

The primary aim of this workshop is to equip participants with the knowledge and practical tools needed to critically appraise health research. At the end of the session, participants will be able to:

- **Understand Research Methodologies:** Gain a deep understanding of various research methodologies commonly employed in health research, enabling participants to navigate and evaluate studies effectively.
- **Assess the Quality of Evidence:** Learn systematic approaches to assess the quality of evidence presented in health research studies. Understand how to differentiate between robust and less reliable research findings.
- **Hands-On Practice:** Engage in practical exercises that simulate real-world scenarios, allowing participants to apply critical appraisal skills to actual research studies. Receive constructive feedback to enhance proficiency.
- **Develop Analytical Skills:** Cultivate analytical skills necessary for interpreting research results, identifying biases, and evaluating the relevance of findings to clinical practice or policymaking.

Benefit

Attendees will acquire a profound understanding of diverse health research methodologies, allowing them to navigate the intricate landscape of scientific studies with expertise. The hands-on practice sessions provide a unique opportunity to apply

theoretical knowledge to real-world scenarios, honing critical appraisal skills under the guidance of experienced facilitators. Attendees will emerge with enhanced analytical abilities, enabling them to discern the quality of evidence, identify biases, and make well-informed decisions based on research findings. This skill set not only contributes to professional development but also positions participants as valuable contributors in their respective fields, fostering advancements in healthcare and research.

Workshop coordinator	Dr Javaid Nauman
Contact information	Javaid.nauman@uaeu.ac.ae
Short biography	Dr Nauman is an associate professor of public health and epidemiology and director of the Master of Public Health (MPH) program. He has a decade-long experience in academia and research focusing on different epidemiological and public health study designs.

Machine Learning (ML) for Healthcare with Hands-On Practice

Deciphering ML-Unlocking the Black Box of ML

Overview

Machine Learning (ML) methods have significantly transformed various areas of healthcare, from introducing new models to assist physicians in making well-informed decisions to empowering individual patients to enhance their own health. This workshop begins with an introduction to exploratory data analysis and then explores the use of ML for risk stratification and diagnosis, disease progression modeling, patient monitoring applications, and precision medicine. The workshop is designed to offer holistic content of theoretical principles and practical implementation using real-world health data.

Aim

The workshop aims to help participants gain a comprehensive understanding of the fundamentals and considerations associated with implementing ML in healthcare. This aim will be achieved through covering the following components:

- Introduction to Machine Learning in Healthcare
- Machine Learning Terms and Definitions
- Data Preprocessing and Exploratory Data Analysis
- Model Performance Evaluation and Metrics
- Supervised and Unsupervised Machine Learning Algorithms
- Introduction to Neural Networks and Natural Language Processing
- Hands-on sessions using real-world health data and widely used programming languages (e.g., R or Python)
- Step-by-step guidance on data exploration, features selection and preprocessing, model building, evaluation, and interpretation

Benefits

Participants will be prepared for real-world health applications by understanding ML benefits and limitations, and equipping themselves with the skills required to improve patient outcomes and healthcare structures. The workshop fosters a

collaborative learning environment, encouraging participants to engage actively and apply their knowledge in real-world scenarios.

Workshop coordinator	Mr. Abubaker Suliman, Instructor in Biostatistics
Contact information	Email: ababaker.suliman@uaeu.ac.ae Mobile: +971 - 582896491
Short biography	Abubaker Suliman holds a Master of Science in Statistics and is a PhD candidate in Informatics and Computing. His dissertation focuses on time-to-event analysis (survival analysis) using Machine Learning (ML) in cardiovascular disease. His field of research is biostatistics and ML, with a particular interest in survival analysis and regression modeling, diagnosis and prognosis tools using supervised and unsupervised ML, deep learning on imaging and natural language, interpretability of ML models, and computational programming and high-performance computing clusters. He significantly contributes to writing scripts, functions, methods, and applications and provides consultations in day-to-day data analysis tasks at IPH. He also contributes to the open source and R community through Stack Overflow, where he is part of the top 3% of answers in R software.

An Introduction to Health Technology Assessment

Overview

The workshop aims to provide an introductory training on Health Technology Assessment (HTA) to managers and healthcare decision-makers in the United Arab Emirates (UAE). According to the World Health Organization (WHO), HTA is a comprehensive analysis that assesses any medicine, device, procedure, care setting, or screening that may provide new or enhanced benefits to population health. Generally, HTA captures the safety, efficacy, feasibility, and cost-effectiveness issues, as well as social, economic, and ethical impacts. The workshop provides content adapted from the WHO on conducting assessments or adapting assessment reports from settings and applying their HTA results to evidence-informed policymaking.

The workshop is of interest to healthcare workers directly involved and/or interested in HTA, including healthcare professionals, doctors, nurses, policymakers, students, health insurance managers, and anyone interested in healthcare management.

Aim

The aim of the workshop is to provide participants with a thorough understanding and practical experience on HTA, including:

- Understand the functions of HTA and its relation to healthcare decision-making.
- Explore the assessment process for new health technology and how this applies to a potential decision outcome.
- Explain to a patient or member of the public the process behind decisions about which healthcare treatments are funded.
- Understand the best international practices in HTA and the best practices to assess the clinical effectiveness (benefits and harms) and cost-effectiveness of health technology.
- Investigate HTA and understand the evidence presented.
- Understand the best approaches and models for assessing the other aspects/impacts of health technologies and the methods for integrating their societal impact.

- Explain the best international practices in deliberative approaches and creating and using recommendations.

Benefits

By the end of the workshop, participants are expected to gain thorough foundational knowledge and hands-on experience undertaking HTA, equipped with the knowledge and essential skills needed to assess clinical effectiveness (benefits and harms) and cost-effectiveness and the methods for assessing and integrating the societal burden of new health technologies.

Workshop coordinator	Dr. Mohamed El Sadig
Contact Information	Msadig@uaeu.ac.ae Mobile: +971 (0)567071888
Short Biography	Dr. Sadig is the head of the Emirates Health Technology Assessment Unit (EHTA) at the IPH of the College of Medicine & Health Sciences. He is an active member of ISPOR, the leading professional society for health economics and outcomes research (HEOR) globally. A member of the 'Emirates Health Economics Society' (EHES). A lecturer in 'Health Economics,' 'Injury Epidemiology,' and 'Traffic Safety Promotion.' He designed and organized numerous seminars and workshops on "Health Technology Assessment (HTA) & "Health Outcomes" Research, and "Health Economic Evaluation". He has more than 40 peer-reviewed publications.

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