

# **MUHAMMAD KHAIRUL ASRAF SHAH NIZAMUDDIN**

**MB BCh BAO (RUMC), Master of Public Health (MPH) (UM)**

**PUBLIC HEALTH PROFESSIONAL**

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## **PROFILE SUMMARY**

A dedicated public health professional and researcher with a versatile skill set encompassing leadership, networking, project planning and management, research, and data analysis. I possess experience in effectively engaging with diverse stakeholders both locally and internationally, including marginalized populations. My enthusiasm for continuous learning drives me to eagerly acquire new knowledge, further enhancing my skill set.

## **RESEARCH INTEREST**

- Drug policy reforms - Harm Reduction Policy
- Healthcare financing mechanism & costing
- People Who Use Drug (PWUD) & PLHIV community intervention

## **EDUCATION**

- Master of Public Health | 2021 | Universiti Malaya
- Bachelor of Medicine | 2016 | RCSI & UCD Malaysia Campus (RUMC)
- Western of Australian Universities' Foundation Program | 2006 | Canning College
- Sijil Pelajaran Malaysia | 2005 | SMK Aminuddin Baki

## **CERTIFICATION OF COURSE COMPLETION**

- Module 1: Introduction, Definitions & Support for Decriminalisation 1st July 2023 | International Drug Policy Consortium: Drug Decriminalisation [E]Course
- Introduction to Systematic Review and Meta-Analysis | 2020 | John Hopkins University ([coursera.org/verify/XNXH2DHASM4B](https://coursera.org/verify/XNXH2DHASM4B))
- Cultural Competence - Aboriginal Sydney | 2020 | The University of Sydney (<https://coursera.org/share/f791a3553704c2fc6418573e0b2e7a13>)
- Big Data Analytics: Opportunities, Challenges and the Future | 2020 | Griffith University
- Understanding Multiple Sclerosis | 2023 | Menzies Institute for Medical Research (Certificate No: 80944)

## **WORKING EXPERIENCE**

**Project Officer | Insaf Murni Association Malaysia (IMAM) | July 2023 - Present**  
**Communication Officer | Insaf Murni Association Malaysia (IMAM) | Apr 2021 - June 2023**

1. Project Title: StrengthenING and amplifying the voiceS of women and young People affected by dRug policies in South-East Asia (INSPIRE), Malaysia Team

**Scope of Work:**

- Engagement with multistakeholder (government, education, healthcare, and legal institution, and NGOs)
- Planned and designed advocacy tools
- Presented findings in international and local conferences and webinars
- Conducted qualitative and quantitative research (Need assessment & Focus Group Discussion)
- Translated data collected quantitative and qualitative data into tangible research output
- Coordinate and manage effective communication internally and externally
- Coordinate and finalizing reporting effectively and timely including financial reporting
- Monitor the overall project including output and outcome
- Prepared proposal for various grants and projects.

**Project:**

- Establishing the Prevalence of Smokers & E-Smokers Among People Who Inject Drugs (PWID) in the Insaf Murni Association Malaysia (IMAM) | December 2023
- World AIDS Day's Prime Session | Organiser | December 2023
- REFORM Regional Training Workshop for Media and Legal Advocates (Introductory Training Workshop: Building Media and Legal Allies for Drug Law Reform in Southeast Asia) | CBO Consultant | December 2023
- Peer Training Workshop for PWID, MSM and TG Population | Organiser | November 2023
- REFORM Regional Advocacy Strategy Consultation Meeting | CBO Consultant | November 2023
- PrEP Townhall: Building Bridges for Sustainable PrEP Services in Malaysia | Rapporteur | August 2023
- FB Live: PWUD Past and Current | Organiser, Technical Support | August 2023
- Forum on Treatment & Recovery: Leave No One Behind | Panelist | July 2023
- Health Camp: Who Am I? (MSM) | Co-Organiser | June 2023
- A Safer Me Event (Youth) | Co-organiser, Coordinator | June 2023
- Health Aspiration Program | Co-organiser | June 2023
- Twitter Space: PWUD and Families | Organiser | June 2023
- Webinar: Drug Law Reforms in Southeast Asia | Moderator | June 2023
- Breaking Fast Event for Methadone Client | Organiser | Apr 2023
- Breaking Fast Event with Susceptible Community (EMPATHY) | Co-organiser | Apr 2023
- INSPIRE-SEMARAK CAfyIN "Care For You Intervention" | Co-organiser, Assistant Counsellor | Mar 2023
- Health Camp: Health Conscious Will Be Healthy Camp (MSM) | Co-organiser, Speaker | Feb 2023
- INSPIRE New Year Gathering for TOT trainer (Trainer Engagement & Support) | Organiser, Coordinator | Jan 2023
- INSPIRE re-training TOT trainer (Trainer Engagement & Support) | Organiser | Jan 2023
- INSPIRE & Insaf Murni Preparation for IAS 2023 Workshop (Trainer Engagement & Support) | Organiser, Trainer, Supervisor | Jan 2023
- Drug Policy Reform Consultation Meeting (Stakeholder Engagement) | Collaborator | Jan 2023

- Workshop Advocacy, Diagnosis & Treatment Of Hepatitis C | Rapporteur, Report Writer | Dec 2023
- INSPIRE Engagement with Public University Student (Universiti Kebangsaan Malaysia) | Organiser | Nov 2022
- Community Support Group Program with Health Clinic | Organiser | Nov 2022
- INSPIRE Training of Trainers (TOT) Workshop | Organiser | August 2022

**Lecturer | UCSI University | Jan 2023 - Present**

1. Subject: Psychopharmacology | Master of Clinical Psychology | Department of Psychology | Faculty of Social Science & Liberal Arts

**Scope of Work:**

- Developed course outline and teaching plan
- Conducted student consultations and set and marked examination scripts
- Led collaborative effort between academic-industry-community for students assessment.

**Project:** UCSI Clinical Psychology Master Student Outreach Project | Supervisor | Jan - June 2023

**Research Assistant | Universiti Malaya & Universiti Malaya Medical Centre | August 2020 - May 2023**

1. Project Title: Analysis of medical costs for common cases at the department of otorhinolaryngology using a case-mix system to inform payment rates and hospital charges: A preliminary study at University Malaya Medical Centre
2. Project Title: Estimating the economic burden of cardiovascular disease in University Malaya Medical Centre using case-mix system

**Scope of Work:**

- Coordinate and manage effective research documentation to secure accurate and valid task flow
- Involve with write-up of the department to secure projects, ethics approval, and grants
- Data Management including Data Quality Assessment
- Engagement with multistakeholder in the hospital setting

**Project:**

- UMMC Research Carnival | Scientific Committee Member, Media Unit Committee Member | Feb - May 2023
- Assessing hospital efficiency with the implementation of case-mix for hospital tariff at different types of hospitals in Indonesia, Malaysia and South Korea | Researcher | Jan 2023
- Case-Mix Analysis for University Malaya Medical Centre Project | Researcher | August 2020 - May 2023
- Diabetic Care Unit (DCU) Micro-Costing Project | Researcher | Oct 2022
- Staff Health Clinic Screening Project | Researcher | August 2022
- Cost Analysis of Phacoemulsion Machine for Cataract Surgery Project | Researcher | August 2022

**Program Coordinator | Centre for Excellence Research in AIDS | August 2021 - July 2022**

1. Project Title: WHO-UNDP Legal Project: Enabling Legal Environments for People Who Use Drugs: Reducing the harmful risks of HIV and substance use-related stigma

**Scope of work:**

- Conducted multiple FGDs with various stakeholders
- Involved in writing the module for legal capacity building
- Involved in developing a legal app to improve access for the PWUD & PLHIV
- Liaise between communities, NGO, legal firms and academics to ensure the project received high-quality inputs.

**Project:**

- Lawyers And Paralegal Empowerment Workshop: HIV, Drug Use And The Legal Environment | Organiser | July 2022
- Drug Use, HIV, and Law: A PRACTICAL GUIDE for Legal and Para-legal Practitioners in Malaysia | July 2023

**Translator | Lengoo | Jan 2021 - Present Freelance Translator | 2017 - Present**

1. Project Title: Medical & Pharmaceutical Scope of Work: Involved with various services such as human translation, post-editing, and revision of human translation

**Project:**

- Healy World GmbH
- Various projects from undergraduate, postgraduate and others.

2. Project Title: Historical book [English to Malay (Malaysia)] British Malaya | Frank Swettenham Quenda Blockade | Captain Sherard Bourne

**Study Coordinator | Clinical Investigation Centre (CIC), University Malaya Medical Centre (UMMC) | Nov 2016 – Nov 2017**

**Scope of Work:**

- Oversaw the overall clinical operations related to trial conduct (i.e. patient recruitment, blood sampling & processing, visit scheduling, etc.)
- Served as a focal point for communication between
- Site and sponsor Maintained and takes lead in reporting adverse events, protocol deviations, safety reports, and other items.

**TEACHING & SUPERVISION EXPERIENCE**

Faculty of Social Science & Liberal Arts, UCSI | 2023

1. Postgraduate Subject: Psychopharmacology (GSP508)

**Outreach Project:**

- Prison Settings
- Female Sex Workers: Substance abuse addiction problems & preventing relapse
- Proposed Program for PWUD: MMT Maju
- Men Who Have Sex With Men (MSM)
- Rehabilitation of Persons Who Inject Drugs (PWID)
- Healing Program: Women's Recovery Journey

2. Field Supervisor | Department of Research, Development, & Innovation, UMMC | 2021

**Project Title:**

- Evaluation Of The Relationship Between ICD-10 Codes - Myocardial Infarction Of Anterior Wall (I21.0), Myocardial Infarction Of Inferior Wall (I21.1), Myocardial Infarction Of Unspecified Sites (I21.3) With Gender, Age And Length Of Stay
- Prevalence Of Different Stages Of CKD And Its Associated Factors

**RESEARCH & PUBLICATION****Preprint**

1. COVID-19 and Diagnosis Related Group In An Asian Middle-Income Country: Patient classifications and associated hospital costs DOI: 10.21203/rs.3.rs-2773685/v1 | April 2023

**Book**

1. Drug Use, HIV, and Law: A PRACTICAL GUIDE for Legal and Para-legal Practitioners in Malaysia. Centre for Drug Research, Universiti Sains Malaysia | 2023 | e ISBN: 978-629-98477-0-0

**Abstract**

1. An exploration of punitive drug laws on women and youths in relation to HIV risk environment: the INSPIRE Malaysia project (AS-IAS-2023-04524) | 23 to 26 July 2023 | 12th IAS Conference on HIV Science
2. Winding Road to Recovery (DOI: 10.5281/zenodo.6383837) | 31st March 2022 | 5th Hospital Kuala Lumpur Research Day 2022 3.
3. Disease and economics burden of five ENT procedures in a teaching hospital | 27 - 30 September 2022 | 35th Patient Classification Systems International (PCSI) Conference, Iceland 4.
4. The disease burden of ENT in-patient cases in 2020 according to My-DRG code at a teaching hospital | 27 - 30 September 2022 | 35th Patient Classification Systems International (PCSI) Conference, Iceland
5. COVID-19 and Diagnosis Related Group In An Asian Middle-Income Country: Patient classifications and associated hospital costs | 27 - 30 September 2022 | 35th Patient Classification Systems International (PCSI) Conference, Iceland
6. The disease burden of cardiac in-patient cases in 2020 according to My-DRG code at a teaching hospital | 27 - 30 September 2022 | 35th Patient Classification Systems International (PCSI) Conference, Iceland
7. Medical coding error: How will it affect the budgeting of the hospital? | 27 - 30 September 2022 | 35th Patient Classification Systems International (PCSI) Conference, Iceland 8.
8. Coding error of Otorhinolaryngology cases in 2020 at one of the University Hospitals in Malaysia according to International Classification of Diseases, Tenth Revision (ICD-10). Malaysian Journal of Public Health Medicine.  
DOI: <https://doi.org/10.37268/mjphm/vol.22/no.Suppl.1/art.1582> | | 8th National Health Seminar 2021: Digital Health: Stepping into the Future of Medicine
9. A Systematic Review of Medical Costs of Tonsillectomy: How Much Does it Cost Across the Globe? <https://doi.org/10.37268/mjphm/vol.21/no.Suppl.2/art.1374> |  
3rd Pharmacoeconomics and Outcomes Research Virtual Conference 2021. Malaysian Journal of Public Health Medicine, 21(Suppl.2).
10. Estimated Medical Costs of the Top-five Cardiovascular Cases in 2020 at one of the University Hospitals in Malaysia | | 8th National Health Seminar 2021: Digital Health: Stepping into the Future of Medicine

11. Top Five In-patient Cases in 2020 at one of the University Hospitals in Malaysia according to International Classification of Diseases, Tenth Revision (ICD-10) DOI: 10.13140/RG.2.2.28767.18089 | 23rd – 24th February 2021 | 7th UNIMAS Public Health Webinar
12. Top Otorhinolaryngology In-patient Cases in 2020 at one of the University Hospitals in Malaysia according to Malaysia Diagnosis-Related Group (My-DRG) and International Classification of Diseases, Tenth Revision (ICD-10) DOI: 10.13140/RG.2.2.16771.22569 | 23rd – 24th February 2021 | 7th UNIMAS Public Health Webinar
13. Cost of Various Otorhinolaryngology Procedures at one of the University Hospitals in Malaysia | 5th to 8th December 2020 | “Public Health in The New Normal” Asia-Pacific Academic Consortium for Public Health (APACH) 2020

## **FUND & GRANT**

### **Local**

1. Estimating The Economic Burden Of Cardiovascular Disease In University Malaya Medical Centre Using Case-Mix | 2021 | USD 10,219 | Universiti Malaya (UMSC Care Fund)
2. Analysis Of Medical Costs For Common Cases At The Department Of Otorhinolaryngology Using Case-Mix System To Inform Payments Rates And Hospital Charges: A Preliminary Study At University Malaya Medical Centre | 2020 | USD 11,721 | Universiti Malaya (UMSC Care Fund)

### **International**

1. Support Don't Punish 2023 Activities Fund | 2023 | USD 400 | International Drug Policy Consortium (IDPC)
2. Assessing hospital efficiency with the implementation of case-mix for hospital tariff at different types of hospitals in Indonesia, Malaysia and South Korea | 2022 | USD 10,000 | Asia Pacific Academics Consortium of Public Health (APACPH) WHO-UNDP
3. Legal Project Enabling Legal ENvironments for People Who Use Drugs: Reducing the Harmful Risks of HIV and Substance Use-Related Trauma | 2021 | USD 28,709 |
4. WHO and UNDP StrengthenING and amplifying the voiceS of women and young People affected by dRug policies in South-East Asia (INSPIRE), Malaysia Team | USD 62,998 | VOICE

## **AFFILIATION**

- Member | The Public Health Career Club | August 2023 - Present
- Deputy Secretary | Insaf Murni Association Malaysia | July 2023 - Present
- Member | International AIDS Society | Jan 2023 - Present
- Member | Nov 2022 - Present | Public Health Association of Australia (PHAA)
- Lifetime Member | Oct 2022 - Present | APACPH-KL
- Public Health Officer | Jan 2020 - Present | Student-Led Action for Evidence Based Drug Policies (SLED)
- Public Health Advisor | People's Action Group for Change (PELUANG) | April 2021 - April 2022
- Deputy Secretary | Sept 2019 - Sept 2020 | MyPHA (UM Public Health Society)
- Vice President | June 2013 - June 2014 | Penang Medical College Student Association (PMCSA)
- IT Officer | Jan 2010 - Dec 2011 | PMC Student Association (RCSI) International

## **CONTINUOUS EDUCATION PROGRAMME (CEP)**

### **Policy**

- Harm Reduction Conference 2023 From Awareness to Action: Empowering through Harm Reduction 26th August 2023 | Malaysia Society For Harm Reduction

### **Research**

- Health Law and Ethics 17th Jun 2021 | APACPH-KL
- Summer Bootcamp: Real-Life Implementation Science 3rd - 5th Aug 2021 | Centre for Excellence Research in AIDS (CERiA), National Institute of Health (NIH) & YALE University
- Python Programming for Beginners 17th - 18th July 2021 | Dr Mogana
- Research Module 19th May 2022 | Universiti Malaya Medical Centre (UMMC)
- Summer Bootcamp: Real-Life Implementation Science 17th - 19th July 2023 | Centre for Excellence Research in AIDS (CERiA), National Institute of Health (NIH), Centre for Epidemiology and Evidence-Based Practice (CEBP) & YALE University
- Insaf Murni Association Malaysia In-House Training: Hep C Training for Community Health Workers Knowledges and Ethics Training: 9th September 2023 | Insaf Murni Association Malaysia (IMAM)

### **Health Economics**

- Coding and Coded Data Analysis in Casemix 3rd - 4th August 2020 | Casemix Solutions Sdn Bhd
- Costing Data Analysis in Casemix 11th - 12th Nov 2020 | Casemix Solutions Sdn Bhd
- Developing Clinical Pathway for Clinical Use 15th & 16th Dec 2021 | Universiti Malaya Medical Centre (UMMC)
- Clinical Coding of Diagnosis and Procedures in Casemix 5th - 6th Oct 2021 | Casemix Solutions Sdn Bhd
- Strengthening the costs for Intelligence Medical Charges 26th Nov 2021 | Universiti Malaya Medical Centre (UMMC)
- Cost Projection and Case-mix System 25th Nov 2021 | Universiti Malaya Medical Centre (UMMC)
- Scientific Seminar Casemix: Its Application and Future Direction in Indonesia and Malaysia 24th Oct 2022 | Universitas Airlangga
- Introduction to Cost Effectiveness Analysis for Healthcare Research 27th - 28th Sept 2022 | National Institute of Health, Ministry of Health
- Classroom-based Applied Methods of Cost Effectiveness Analysis Course 3rd - 4th Oct 2022 | Universiti Malaya & Oxford Population Health (HERC)
- Casemix Integration & Its Application in Health Economic Services 2nd & 23rd Dec 2021 | Universiti Malaya Medical Centre (UMMC)

### **Management**

- Hospital Management Perspective: Lessons from the COVID-19 Pandemic | 21st Sept 2022 | College of Public Health, University of the Philippines
- NIATx Change Leader Academy 20th July 2023 | NIATx TM

### **Others**

- Bengkel Cerita Program: Creative Communication for Social Change 16th Apr - 7th May 2021 | Love Frankie