

Annual Report *2014*



Department of Social and Preventive Medicine
Faculty of Medicine
University of Malaya

2014

ANNUAL REPORT



Department of Social and Preventive Medicine

Faculty of Medicine

University of Malaya

50603 Kuala Lumpur

2015

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FOREWORD

The Social and Preventive Medicine Department (SPM) is a pioneer in Malaysia in training public health practitioners, who are now serving various institutions, local and abroad.

To date, there are more than 600 graduates with a Master of Public Health and Master of Medical Science in Public Health. Although most of our graduates are Malaysians, there are also many who hail from other countries. They are now serving in various capacities in Ministries of Health, Universities, and Local Governments as well as in various international bodies. The academicians in our department are specialists from various disciplines and many of them come from varied backgrounds with public health



experience. We had been engaging expertise of various PH disciplines as our Visiting Professors and has numerous academic and research collaborations with several world renowned institutions. Therefore, we are able to train the main public on health core competencies required to be a public health practitioner. Additionally, we have undertaken numerous research of public health significance spanning major public health disciplines. Since the year 2007, we have produced 500 ISI publications. In 2014, we received an increased number of applications to our training programs and similarly, an increasing number of candidates pursuing PhD and Masters by research. The University of Mahidol, Thailand and the Wuhan University of China had continued sending their students to the SPM department for attachment. I am happy to report that a new double degree Master in PH between UM and Kyoto University (KU) of Japan had been launched in 2014 with two UM and one KU candidates from each university were registered. The SPM department has received high recognition at both the national and international arena. For instance, the Ministry of Health has appointed us to chair the Malaysian Centre for Clearing House for Adolescent Health. In addition, we continued to house the secretariat for the Asia Pacific Academic Consortium for Public Health (APACPH) and held the General Assembly at UM. In October 2014, we had successfully organized the APACPH conference with more than 700 participants, about half were from overseas.

Thank you.

PROFESSOR DR. MAZNAH DAHLUI

Head

Department of Social and Preventive Medicine

Faculty of Medicine

University of Malaya

VISION AND MISSION

Vision

To become the institution of excellence which will provide leadership in activities for the education, training, research & development, spread and provision of service in the domain of Public Health and in all the specialties associated with it.

Mission

Undergraduate level

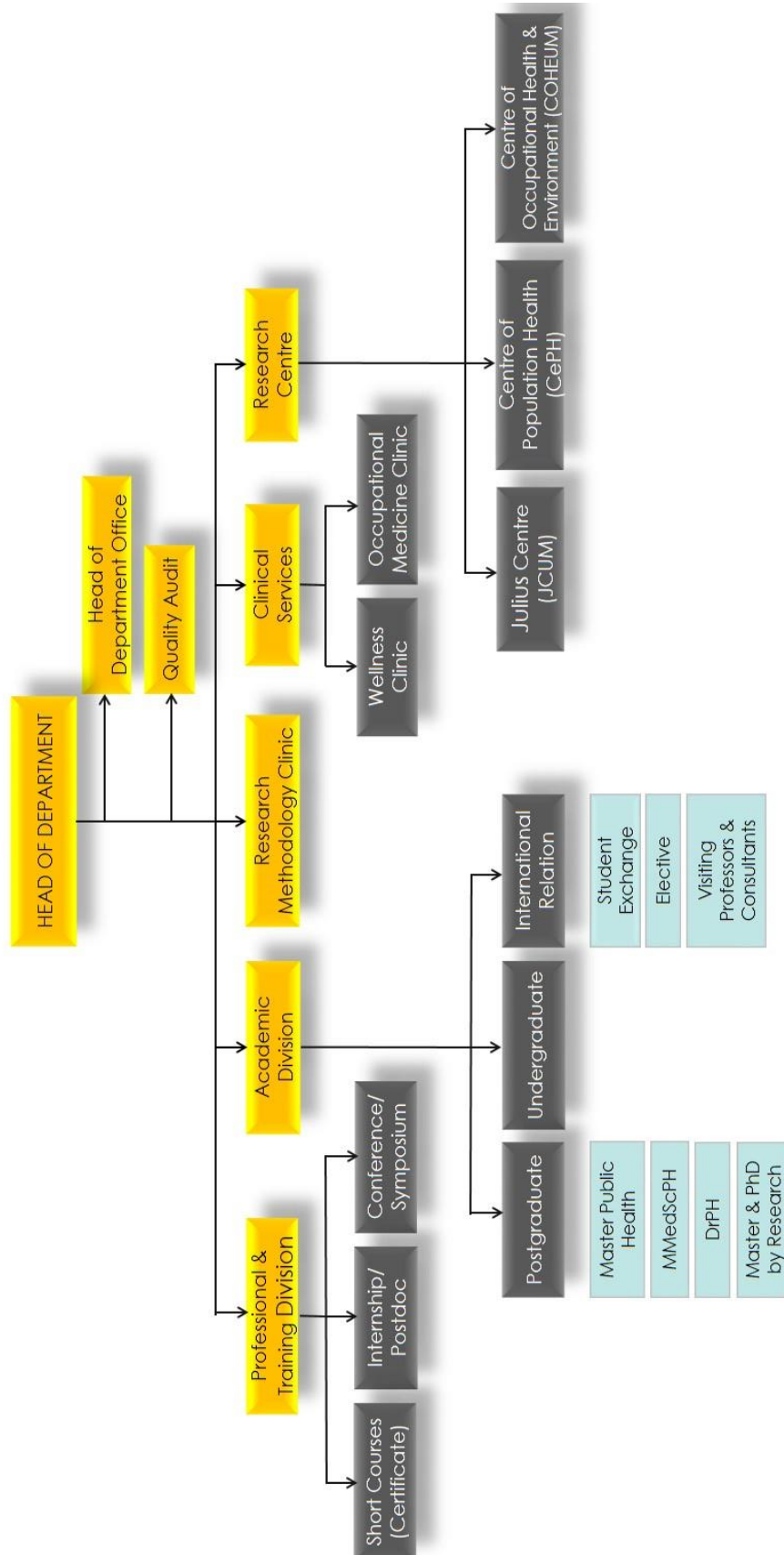
Being charged with the responsibility, via the medical undergraduate instructional programme, for the preparation of the potential graduate to take up duties in the running of health programmes for the community in all parts of the nation and to be able to operate from the national health care service system effectively and efficiently (at the level of a medical officer).

Post-graduate level

Being charged with the responsibility, via its post-graduate public health training programmes, to produce a doctor who may be considered as a professional and a specialist in the general domain of public health as well as in a particular chosen specialty within it.

To share the knowledge and skills gained in its various activities with others who are interested. This is envisaged to be achieved in various ways, including the conduct of short courses from time to time.

THE ORGANIZATION CHART



HEAD OF DEPARTMENT OFFICE

The Head of Department (HOD) office is headed by Professor Dr. Maznah Dahlui. The HOD office is responsible for department operations and development; to assist in staff and resources management and deliver high quality service to its students. It also ensures that the department complies with legal obligations and other requirements. Specific tasks are delegated to the Head of Units, other colleagues and support staff.

Staff of the HOD Office

Head of Department:

Professor Dr. Maznah Dahlui

Support Staff:

1. Mdm. Norchaya Yahaya
2. Mdm. Jayasutha d/o Kamrajoo
3. Mdm. Norhayati Ramli
4. Mr. T. Manogran

Asia-Pacific Academic Consortium for Public Health (Apacph) Secretariat Kuala Lumpur

Introduction

APACPH is an international non-profit organization first registered in Honolulu, USA in 1984 by five members from the deans of University of Hawaii, University of Philippines, Beijing Medical University, University of Mahidol and National University of Singapore. The present regional representatives are from Australia, China, Indonesia, Japan, Korea, Malaysia, Thailand and USA. The treasure office and the secretariat office rotated among its member institutions. Current Secretariat based in University of Malaya, Malaysia and Treasurer based in Taipei Medical University, Taiwan. Currently, it has a total of 84 member institutions.

The Vision of the Consortium is to achieve the highest possible level of health of all the people of the nations of the Asia-Pacific region. The Mission of the Consortium is to enhance Regional capacity to improve the quality of life and to address major public health challenges through the delivery of education, research and population health services by member institutions

In 2013, the secretariat office based in Honolulu was relocated to University of Malaya. The Secretariat in University of Malaya is located in the Social and Preventive Medicine Department, Faculty of Medicine under the leadership of Prof. Dr. Maznah Dahlui, who is the Regional Director of Kuala Lumpur and the APACPH Secretary. UM has been very supportive in term of financing its renovation cost of RM40, 000 and allocating a space within the department.

Asia Pacific Consortium for Public Health (APACPH) KL Secretariat office was officiated by the Deputy Vice Chancellor (Research & Innovation) Prof. Dr. Awang Bulgiba Bin Awang Mahmud on the 15th May 2013. It is opened to the public or anyone who is interested in Public Health.

Asia-Pacific Journal of Public Health (APJPH) is the journal developed from APACPH to capture issues related to public health in the Asia-Pacific regions. Under the leadership of the Chief-in-editor, Prof. Low Wah Yun, the Asia-Pacific Journal of Public Health (APJPH) attained an Impact Factor of 1.459 for 2014 which is an increase of 31% from 2013 Impact Factor of 1.111. This number puts APJPH at 90 out of the 162 journals in the Public, Environmental & Occupational Health (Science) Category and at 64 out of the 145 journals in the Public, Environmental & Occupational Health (Social Science) Category.



Opening Ceremony of APACPH Secretariat Kuala Lumpur, 15th May 2013

APACPH OBJECTIVES

- To enhance the quality and relevance of education and training programs in public health;
- To expand knowledge, improve skills and demonstrate effective interventions;
- To raise awareness, of current, emerging and re-emerging public health issues and develop programs of action for their resolution;
- To enhance the capacity and sustainability of public health systems; and
- To assist in policy and leadership development for health.

ACTIVITIES

Executive Council Meeting and Accreditation Workshop – March 2014

The Executive Council meeting and the accreditation workshop was conducted back to back with the FOM Research Week. The meetings were held at Social and Preventive Medicine Conference Room on the 28th and 29th March 2014.





Executive Council Meeting, 29th March, 2014

Executive Council Meeting, General Assembly and Deans and University Presidents Meeting – October 2014

The Executive Council Meeting, General Assembly and Deans and University's President meeting were held on the 19th October – 20th October, 2014 back to back with the 46th APACPH Conference 2014. The meetings were held in the SPM Conference room and Faculty room of University of Malaya. The General Assembly was attended by Deans of member institutions from Malaysia, Australia, Thailand, Japan, Korea, Indonesia, Fiji, Hong Kong, China, Kazakhstan, Phillipines, Sri Lanka and USA. During the General Assembly, University of Muhammadiyah of Aceh was inducted as a new member.



Executive Council Meeting, 19th October, 2014



APACPH General Assembly, 19th October, 2014



Induction of University of Muhadmadiyah of Aceh



Deans and University President's Meeting, 20th October 2014

Contact:

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Department of Social and Preventive Medicine
Faculty of Medicine
University of Malaya
50603 Kuala Lumpur
Malaysia
Tel: +603-7967 4756 Fax: +603-79674975
Website: <http://www.apacph.org>
Email: contact@apacph.org

ACTIVITIES

Faculty of Medicine, Research Week 2014

Date : 24th March 2014 – 28th March 2014

Venue : Faculty of Medicine, University of Malaya

Date	Day	Course Name
24/3/2014	Monday	Exhibition
		Adolescent Health Seminar
25/3/2014	Tuesday	Urban Health Seminar
		Updates in Occupational Disease at Work place
26/3/2014	Wednesday	Updates in Occupational Disease at Work place
27/3/2014	Thursday	Launching of Research Week by Professor Awang Bulgiba
		Public Health Symposium
		End Note Workshop
28/3/2014	Friday	Systematic Reviews Workshop

Faculty of Medicine Research Week 2015 – in conjunction with SPM 50th anniversary

In conjunction with the 50th anniversary of the Department of Social and Preventive Medicine, Faculty of Medicine with the department has organized the Faculty of Medicine Research Week at Faculty of Medicine, University of Malaya.

The broad aims of Research Week were to:

- encourage excellence in on-campus research
- promote interaction between clinicians and scientists on the campus
- provide opportunities for researchers in different disciplines (scientific, clinical, nursing and allied health) to present their work at the same forum
- contribute to evidence-based healthcare

Adolescent Health Seminar

Date : 24th March 2014

Venue : Danaraj Auditorium, Faculty of Medicine

Issues on adolescent health are becoming increasingly important worldwide. In Malaysia, the adolescent comprise of about 20% of the population and the number is increasing each year. They are known to have specific health problems resulting from their behaviour. Issues pertaining to sexual misbehaviour among adolescents, especially concerning teenagers abandoning new-borns and the high abortion rate among school students, have continued to make headlines in the Malaysian media. Transition towards unhealthy life-style and lack of monitoring from parents also have put adolescent at higher risk of developing physical and psychological problems. Many studies and research have been conducted in Malaysia by different agencies and universities, but findings are not well disseminated across agencies and the public.

Toh Puan Safura (Ministry of Health), Dr Haji Tahir Aris (Institut Kesihatan Umum) and Associate Prof Maznah Dahlui (University of Malaya) are 3 of the specialists who have shared their insight view on the arising adolescent issue these days. This seminar is focusing on providing the updates on recent health status of adolescent in Malaysia and current research in adolescent health in Malaysia. Besides of creating opportunities for academicians, researchers, clinicians, and policy makers to interact and collaborate in improving adolescent health in Malaysia, it is also a platform to discuss potential gaps in research in adolescent health in Malaysia. 72 clinicians and health care professionals from various health institutions have attended this seminar.

Seminar On Urban Health

Date : 25th March 2014

Venue : Danaraj Auditorium, Faculty of Medicine

This seminar was organized to give an insight into the changing issues in the management of public health in urban setting. The objective of this seminar is to create a greater understanding of the impact of rapid urbanization and industrialization upon the health status of the urban population. The result of the seminar will assist academics and the practitioners in public health in formulating a course in urban health as well as assist in formulation of public health policy.

The advantage of having this seminar was to discuss the pattern of sicknesses and ailments in urban areas and the adequacy of the health departments in local government administration to manage the change. The speakers from Ministry of Health, local health institutions and the Commissioner of the Kuching City were the 3 speakers involved in this seminar. More than 70 participants from various institutions have participated in this seminar.

Workshop on Updates on Occupational Health

Date: 25th – 26th March 2014

Venue: Clinic Auditorium, Faculty of Medicine

The workshop on Updates on Occupational Health organized by Centre for Occupational and Environmental Health (COEHUM) was successfully organized at Clinical Auditorium, Faculty of Medicine, University of Malaya. It was attended by 80 participants from Department of Occupational Safety and Health DOSH

The objective of the workshop is to provide an update on the diagnosis and management of occupational diseases. 2 of the specialist that have contributed to share their knowledge in this workshops were Associate Professor Victor Hoe from COEHUM, University of Malaya and Professor David Koh from Institute of Health Science, Brunei

Public Health Symposium: Old Lessons, new possibilities, where do we go from here

Date : 27th March 2014

Venue : Danaraj Auditorium, Faculty of Medicine

This Symposium was held in conjunction with the celebration of the 50th anniversary of the Department of Social and Preventive Medicine, Faculty of Medicine, University of Malaya and the introduction to the first Graduate School of Public Health in Malaysia.

120 participants from various institutions such as Ministry of Health, health institutions and local universities have attended the Symposium. The objectives of organizing this Symposium are for the participants to be able to meet the experts in Public Health, enhance networking, and reviewing the Public Health contribution in Malaysia.

The highlight of the Symposium was the round table session by Datuk Dr Lokman Hakim Sulaiman (Deputy General of Health Public Health), Professor Awang Bulgiba Awang Mahmud (Deputy Vice Chancellor – Research and Innovation) , Professor Osman Ali (Dean, UniKL Royal College of Medicine), Professor Chia Kee Seng (Dean, University of Singapore) and Professor Philip Baker (Professor School of Public Health, Queensland University, Australia)

Endnote x7 Workshop by Pathma Devi Veerasingam

Date : 27th March 2014

Venue: Computer lab, Department of Social and Preventive Medicine, Faculty of Medicine, University of Malaya

The main objective of this workshop was to teach the skills to manage and maintain database of references, import references from other database, insert references into word processed document and produce bibliographies in an appropriate style. This workshop was successfully organized at the department of Social and Preventive Medicine. 26 people have attended the workshop. The speaker of the workshop was Ms Pathma Devi from Julius Centre University of Malaya.

Systematic Review Workshop

Date : 27th March 2014

Venue: Department of Social and Preventive Medicine, Faculty of Medicine, University of Malaya

The workshop was intended to serve as an introduction to Systematic Review and quantitatively summarizing the available evidence. This workshop was aimed at discerning clinicians, academicians, postgraduate students and other health care professionals. For researchers, the aim of this workshop was to provide a suitable platform on which further synthesis of the available evidence can be made systematically and quantitatively. For postgraduate students, the knowledge and skills gained will help in producing efficient and effective literature review sections for their dissertation. A common mistake made by students is to write a review section based on very little evidence. The chapter on literature review should have the objective of presenting the available evidence using a clear systematic search strategy with relevant critical appraisal. If the prevailing information is adequate, the student should continue with a Meta Analysis. For clinicians and health care professionals who wish to gain critical knowledge necessary for evidence based practice.

The speakers were Professor Philip Baker and Professor Daniel Francis from Queensland University, Australia. It was attended by 30 participants from various health institutions in Malaysia.





Working Visits

AUN-Kyoto Student Mobility Program towards Human Security Development

The Signing Ceremony of the Program Agreement for Public Health Master's Double Degree Program

Between

Kyoto University School of Public Health, Japan
Chulalongkorn University College of Public Health Science, Thailand
University of Malaya, Faculty of Medicine, Malaysia

Date:	March 13 (Thursday), 2014
Venue:	Yamauchi Hall, Shirankaikan, Kyoto University School of Public Health, Japan
Attendees	<p>Representatives from University of Malaya: Professor Dr. Awang Bulgiba Awang Mahmud Professor Dato' Dr. Christopher Boey Chiong Meng Professor Dr. Maznah Dahlui Associate Professor Dr. Kamila Ghazali Dr. Nik Daliana Nik Farid</p> <p>Representatives from Chulalongkorn University College of Public Health Science, Thailand (Dean: Professor Surasak Taneepanichskul)</p> <p>Representatives from Kyoto University School of Public Health, Japan (Dean: Professor Shunichi Fukuhara)</p>
Agenda:	<ol style="list-style-type: none">1. Signing Ceremony2. Introduction of Education and Research from partner universities3. Discussion on courses and curriculum
Chairperson:	Professor Masahiro Kihara

Meeting Notes

Session 1: Signing Ceremony

The meeting was chaired by Professor Masahiro Kihara, a Professor at the Department of Global Health and Socio-epidemiology, Kyoto University School of Public Health (KUSPH). Professor Kihara welcomed all the delegates from Chulalongkorn University College of Public Health Science (CUCPHS), Thailand and University of Malaya (UM), Malaysia.

KUSPH was established as the first School of Public Health (SPH) in Japan in April 2000. It has been the only SPH that offers a doctoral course in Public Health. There are 5 units, namely Health Analyses, Health Administration, Health Determinants, International Health and Social

Ecology which are further subdivided into 19 departments with 45 faculty members. The courses offered are:

- a) Professional degree course (1-2 years) which confers a degree of Master of Public Health (MPH)
- b) Doctoral course in public health (3 years) which confers a degree of Doctor of Public Health (DrPH)
- c) Doctoral course in medicine (4 years) which confers a degree of Doctor of Medical Science (PhD)

Greeting messages were then delivered by representatives from each university involved in the Double Degree Program. University Malaya was represented by Professor Dr Awang Bulgiba Awang Mahmud, Deputy Vice Chancellor (Research and Innovation). Following this, the Program Agreement was signed between the three universities. The agreement was signed by Professor Dr. Awang Bulgiba and Professor Dr. Maznah as representatives from the University of Malaya.

Session 2: Introduction of Education and Research from partner universities

In this session, representatives from KUSPH (Professor Toshiaki A. Furukawa), CUCPHS (Professor Surasak Taneepanichskul) and UM (Professor Dr. Maznah Dahlui) presented on Introduction of Education and Research. In her presentation, Prof. Maznah introduced the Department of Social and Preventive Medicine (SPM), courses offered and ongoing research conducted by the department and centers. The presentation also includes question and answer sessions.

Session 3: Discussion on courses and curriculum

This session was also chaired by Professor Kihara. The aim of this session was to compare all the MPH courses offered by the three universities i.e. syllabus and credit hours. One of the issues addressed by KUSPH to UM was the different credit hour for certain courses. UM was asked to further discuss and re-confirm the matter with KUSPH before the end of April 2014.

Session 4: Discussion on research collaboration

A discussion was held between Associate Professor Masako Ono-Kihara, Department of Global Health and Socio-epidemiology and Dr. Nik Daliana from Department of Social and Preventive Medicine, UM. Professor Kihara is an AIDS expert and a pioneer of Japanese sex education. The aim of this discussion was to look at potential research collaboration between KUSPH and UM. During this session, Dr. Nik Daliana presented areas of priority pertaining to adolescent health in Malaysia. Since sexual and reproductive health (SRH) is currently a major problem among Malaysian adolescents, students undergoing the Double Degree Program will focus their research in this area.

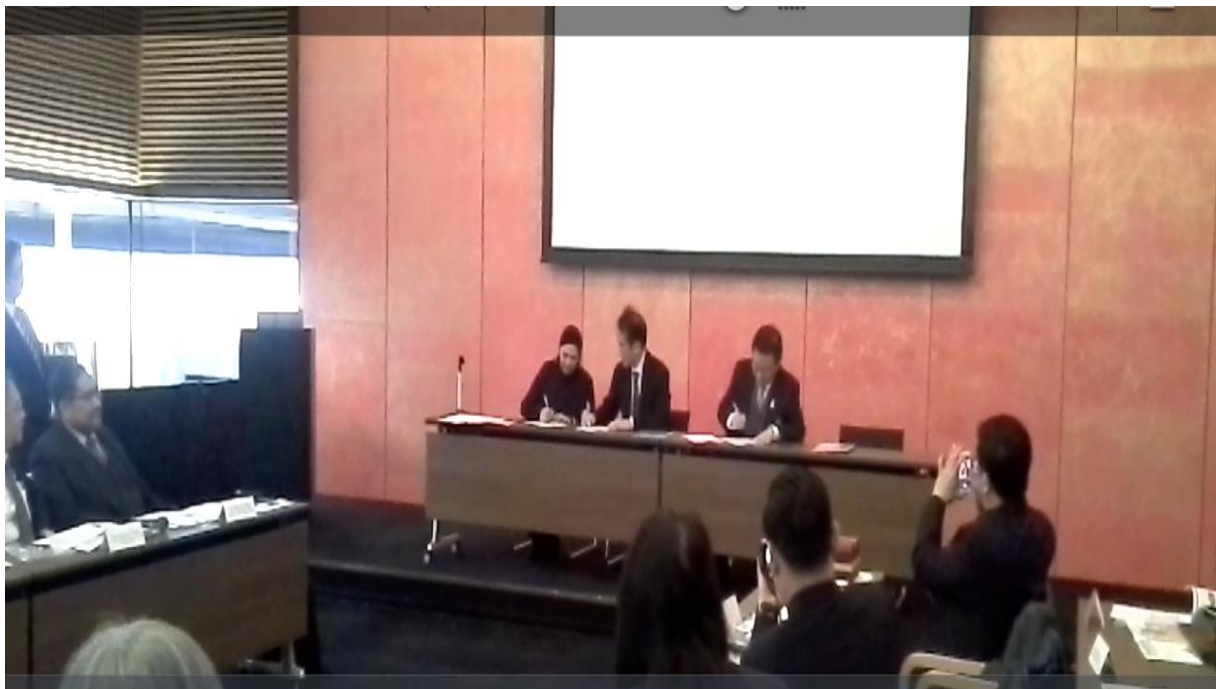
KUSPH Campus Tour

Guided by Professor Kihara, all delegates were introduced to various departments at KUSPH. Among the departments visited were Global Health and Socio-epidemiology, Healthcare Economics and Quality Management and Health and Environmental Sciences. At each department, delegates were briefed on the department's recent research projects.

The Signing Ceremony



Professor Dr. Awang Bulgiba Awang Mahmud, Deputy Vice-Chancellor Research and Innovation signing the Program Agreement



Professor Dr. Maznah Dahlui, Head of Department of Social and Preventive Medicine signing the Program Agreement



Front (Left to right): Prof. Dato' Dr. Christopher Boey, Prof. Dr. Awang Bulgiba, Prof. Kihara and Prof. Surasak Taneepanichskul Back (Left to right): A/P Naowarat Kanchanakhan, Dr. Nik Daliana, Prof. Dr. Maznah Dahlui, A/P Wattasit Siri Wong, A/P Sathirakorn Pongpanich, A/P Kamila Ghazali, Dr. Chanida Palanuvej and Dr. Hiromi Tobina

Report prepared by: Dr. Nik Daliana Nik Farid

ACADEMIC UNITS

UNDERGRADUATE

Undergraduate programmes

The Department of Social and Preventive Medicine contributes to the undergraduate programmes of the Faculty of Medicine and the University.

The programmes are:

- Bachelor of Medicine, Bachelor of Surgery (MBBS)
- Bachelor in Science Nursing
- Bachelor in Biomedical Science
- Diploma in Medical Laboratory Technology
- Diploma in Nursing

Bachelor of Medicine, Bachelor of Surgery (MBBS)

Currently there are two MBBS programmes running in the Faculty of Medicine. One is the New Integrated Curriculum (NIC) and another one is the University Malaya Medical Program (UMMP). UMMP is the new curriculum which was implemented in 2013. It will replace the NIC completely by year 2017.

New Integrated Curriculum (NIC Program)

The modules conducted by our department under the NIC are as follows:

- Epidemiology & Medical Statistics
- Nutrition & Diet
- Family Health
- Health Promotion
- The Management of People
- Environmental Health
- Occupational Health
- Clinical Epidemiology & Evidence Based Medicine (CE-EBM)

- International Classification of Diseases (ICD)
- Elective Programme
- Field programmes (CRP & OMHS)

Community Residency Programme (CRP)

The CRP for phase IIIA MBBS students was conducted from 4th till 27nd February 2014. The student was divided into five groups and the programme was carried out in the state of Pahang. A/P Moy Foong Ming was the CRP Coordinator in 2014.

The CRP offers an opportunity for medical student to interact with residents in rural areas and understand their life-style, health beliefs and problems. Their views on the services delivered and needs. This is undertaken by the conduct of a household survey in the villages in consultation with the local health authorities. The students are also exposed to the health and environmental services provided in the rural areas such as water- filtration plants, incinerators, sewage works and other health related activities which have been described in the classroom. Students also visit farms and factories to observe occupational and environmental health related activities.

The students also exposed with the hands on experience of data entry, data analysis, interpretation and presentation of findings. The total time spent is four weeks and it culminates in a group report of the survey and the visits in the district.

Organization and Management of Health Service (OMHS)

OMHS is another field programmes conducted by the department for phase IIIB MBBS students. This field posting enables the potential graduate to interact with the personnel various systems of health care delivery, both public and private sector, in a district in the country. These systems, ranging from the traditional to the scientific, are present concurrently and patients usually seek assistance from more than one system at the same time. The programme also allows the potential graduate to familiarise himself/herself with his/her future work environment as he/she learns about the services and the functions of the various categories of staff who work in the hospitals and health centres, the other providers of health care and the interactions between them.

Thus when posted to a district as a medical officer or a medical and health officer, the graduate is familiar with his role and is able to perform his/her duties right from the first day.

For the session 2013/2014, the OMHS was conducted in eight locations in the states of Selangor, the Federal Territories of Kuala Lumpur and Putrajaya from 16th June 2014 till 4th July 2014. Dr. Rafdzah Ahmad Zaki was appointed as a OMHS Coordinator in 2014. The students was divided into groups and posted to the different health offices in the district in urban, semi-urban and metropolitan areas. The posting was for three weeks and was concluded with the

students' presentations on the health organisations and focus areas which were assigned to each group and the students have to complete a report of their findings.

University Malaya Medical Program (UMMP)

The UMMP emphasises on Problem Based Learning which encourages students to solve a realistic clinical/health problem and work towards explaining the clinical manifestations with reference to basic-science mechanisms.

Our department contributes into the teaching of Stage 1 and 2. The Public Health components are fully integrated into the teaching blocks of Stage 1 and 2. Other than Problem Based Learning tutorials, the teaching methods are lectures, theme sessions (seminar style) and learning topics (self-directed learning).

Other modules under our department are:

- Population Medicine poster session
- Population Medicine posting

Population Medicine poster session

The Population Medicine poster session is a required formative assessment to examine a health issue of concern in the community. The aim is for the students to

- a) consider a Population Medicine topic in depth
- b) gain experience in producing a poster of sufficient quality to be displayed at a scientific conference.

Population Medicine posting

Population Medicine posting is an eight week posting conducted in Stage 3.2. This posting integrates both the CRP and OMHS. The first Population Medicine posting will be carried out in the year 2017.

The objectives of this posting are to enable the medical student to:

- a) appreciate the principles of disease prevention to improve population health
- b) understand the contribution of family and community to an individual's health (Population Case visits –minimum 3 visits)
- c) improve communication and community engagement skills of medical students (soft skill & team work)
- d) implement health promotion activities in the communities

- e) understand the roles and functions of various entities within the healthcare system in relation to the community

The Undergraduate team is as follows:

Undergraduate Coordinator	A/P Dr. Moy Foong Ming
UMMP Coordinators	A/P Dr. Nabilla Al-Sadat
	Dr. Rafdzah Ahmad Zaki
Undergraduate Secretariat	Mdm. Suhaili Binti Suboh
	Ms. Nur Hashimah Kaman Redzawan

Report prepared by Moy FM & Suhaili Suboh

POST-GRADUATE

Introduction

The SPM Post-Graduate (PG) Unit aims to produce professionals who are specialists in the general domain of Public Health as well as in a particular specialty.

HEAD OF DEPARTMENT



Prof. Dr. Maznah Dahlui

HEAD OF POSTGRADUATE UNIT



A/P Dr. Farizah Mohd Hairi

PROGRAMME COORDINATORS



A/P Dr. Mas Ayu



Dr. Nik Daliana



Dr. Marzuki



A/P Dr. Nirmala



A/P Dr. Hazreen

SUPPORT STAFF



Shamsina Shamsuddin



Mariam Aziah Borhan



Nony Mohd Abdul Wahab



Kamar Junus

- This unit is responsible to the Head of Department. It is headed by Assoc. Prof. Dr. Faridah Mohd Hairi. Beginning Semester 1, Session 2014/2015, Assoc. Prof. Dr Mas Ayu Said was appointed to coordinate the MPH Programme, and Dr. Nik Daliana Nik Farid coordinates the MMedScPH Programme, as well as the new Master UM-Kyoto Programme; Dr. Marzuki Isahak was appointed to coordinate the DrPH Programme for Year 1 (coursework), while
- Assoc. Prof. Dr. Nirmala Bhoo Pathy coordinates Part 2 (Research component) of the DrPH Programme; Assoc. Prof. Dr Hazreen Abdul Majid coordinates the Master by research and PhD Programmes, taking over from Assoc. Prof. Dr. Ng Chiu Wan. This unit is also supported by four dedicated staff. They are Mdm Shamsina Shamsuddin (Programme Assistant/Assistant Scientific Officer), Mdm Mariam Aziah Borhan (Programme Assistant), Mdm Nony Mohd Abdul Wahab and Mr. Kamar Junus.
- Three Programme Assistants, Mdm Nor Zurina Zainol, Ms Norlissa Gani and Ms Norfadhlina Othman are assisting lecturers coordinating their courses.

In 2014, apart from the daily routine administrative tasks, SPM Post-Graduate (PG) unit had been actively involved in organizing and coordinating several activities at various levels (for the unit, the department, the Faculty and the University). We are also actively involved in the activities conducted by the Public Health Conjoint Committee. Among the activities conducted were interview sessions for Ministry of Health's Master of Public Health (MPH) candidates from 20th – 21st January 2014 at Pejabat Kesihatan Daerah Putrajaya. A workshop organised by Ministry of Health and the Public Health Conjoint Committee to review the current MPH and DrPH Programmes was also held in Kota Bharu, Kelantan in April 2014.

Our routine administrative tasks ensured the smooth running of five Public Health postgraduate programmes offered, namely Master of Public Health (MPH), Master of Medical Science in Public Health (MMedScPH), Doctor of Public Health (DrPH), Master of Medical Science (by research) and Doctor of Philosophy (PhD). The first three programmes are conducted by course-work and research; and the last two programmes are purely research-based.

Some of our administrative tasks include quarterly postgraduate meetings to review the courses and curriculum in the postgraduate programmes, registration of students, preparation of post-graduate programme handbooks, coordinating teaching schedule, coordinating classes and teaching/learning facilities, coordinating presentations by doctorate candidates, and coordinating examinations.

Unit Activities

SPM Integration Day at Akademi Pengajian Melayu (APM)

SPM Integration Day was held on the 1st of March 2014 at Akademi Pengajian Melayu (APM), Universiti Malaya. It was organised by SPM staff and post-graduate students. More than 100 participants attended this event; staff and students, as well as their families. The

event started off with morning exercises and followed by Tele-match for adults and children. There were also other activities such as karaoke session and lucky draws. The event ended with prize giving for the winners. Everyone had great fun especially the students who had been working hard to complete their studies and examinations for the past one year. Everyone enjoyed the fun, food and games.



2014 UM Postgraduate Carnival (Karnival Jom Masuk UM 2014)

The Institute of Graduate Studies (IGS) organized UM Postgraduate Carnival (Karnival Jom Masuk UM) on 18 - 19 April 2014 (Friday & Saturday) at Dewan Tunku Canselor, University of Malaya. Our Post Graduate staff participated in this event. Dr Nik Dalina Nik Farid gave a briefing about our Public Health Post Graduate Programmes.

Orientation Week

The orientation week for post graduate candidates session 2014/2015 was held from 1st until 5th September, 2014. It is for the MPH, MMedScPH and DrPH Year 1 programmes. Organized by the Postgraduate Unit with the assistance from other units in the department, we started off with a brief introduction about the department by our Head of Department, Associate Professor Prof. Dr. Maznah Dahlui, followed by general overview and introduction of courses offered by each Head of Units. A welcoming lunch was also hosted by the SPM Department for our new post graduate candidates on 2nd September 2014.

Convocation 2014

This year on 14th October 2014 our MPH and MMedScPH candidates received their scroll at Dewan Tunku Canselor (DTC).

Courses Offered at Session 2014/2015

Master of Public Health (MPH) /Master of Medical Science in Public Health (MMedScPH)

Semester 1

No.	Core Courses	Code	Coordinator
1	Management in Health	MOGB6110	A/P Dr. Farizah Mohd Hairi
2	Principles and Methods of Epidemiology	MOGB6107	A/P Dr. Moy Foong Ming
3	Principles of Family Health	MOGB6105	Puan Sri Dr. Norlaili Abdul Aziz
4	Occupational and Environmental Health	MOGR6107	Dr. Nasrin Aghamohammadi
5	Research Methodology	MOGB6108	A/P Dr. Nirmala Bhoo Pathy
6	Principles of Biostatistics	MOGB6109	A/P Dr. Abqariyah Yahya
No.	Elective Courses	Code	Coordinator
1	Qualitative Inquiry in Public Health	MOGR6303	A/P Wong Li Ping
2	Health Risk Assessment	MOGR6304	A/P Dr. Victor Hoe
3	Health Economics	MOGB6305	A/P Dr. Ng Chiu Wan
4	Essentials in Public Health	MOGR6301	Dr. Nasrin Aghamohammadi
5	Research Paper	MOGB6480	A/P Dr. Mas Ayu Said

Semester 2

No.	Core Courses	Code	Coordinator
1	Society, Behaviour and Health	MOGB6106	A/P Dr. Wong Yut Lin
2	Research Proposal Development	MOGB6280	A/P Dr. Moy Foong Ming
No.	Elective Courses	Code	Coordinator
1	Women, Child and Adolescent Health	MOGB6307	Dr. Nik Daliana Nik Farid
2	Public Health Nutrition	MOGR6302	A/P Dr. Hazreen Abdul Majid
3	Law & Health	MOGB6306	A/P Dr. Tin Tin Su
4	Epidemiology of Diseases in Malaysia	MOGB6301	Dr. Rafdzah Ahmad Zaki
5	Occupational Medicine	MOGB6317	A/P Dr. Victor Hoe
6	Medical Surveillance and Fitness to Work	MOGB6318	Dr. Marzuki Isahak
7	Producing Better Evidence	MOGB6303	A/P Dr. Wong Li Ping
8	Research Paper	MOGB6480	A/P Dr. Mas Ayu Said

Doctor of Public Health (DrPH)

Semester 1

No.	Core Courses	Code	Coordinator
1	Essentials of Epidemiology in Public Health	MOHX7102	A/P Dr. Mas Ayu Said
2	Health Policy and Leadership	MOHX7103	A/P Dr. Ng Chiu Wan
3	Research Protocol Development	MOHX7101	A/P Dr. Dr. Sharmini Selvarajah
No.	Elective Courses	Code	Coordinator
1	Human Factor and Ergonomics	MOHX7314	Dr. Marzuki Isahak
2	Qualitative Inquiry in Public Health	MOGR6303	A/P Dr. Wong Li Ping
3	Nutrition and Lactation Management	MOHX7309	A/P Dr. Hazreen Abdul Majid
4	Analysis of Rates and Proportions	MOHX7322	A/P Dr. Karuthan Chinna

Semester 2

No.	Elective Courses	Code	Coordinator
1	Quality in Health	MOHX7305	A/P Dr. Tin Tin Su
2	Lifetime Health	MOHX7308	A/P Dr. NabillaAl-Sadat
3	Epidemiology of Non-Communicable Disease	MOHX7321	A/P Dr. Moy Foong Ming
4	Occupational Safety Health in Management System	MOHX7317	Dr. Nasrin Aghamohammadi
5	Clinical Epidemiology	MOHX7319	A/P Dr. Nirmala Bhoo Pathy

Semester 3 / Special Semester

No.	Core Courses	Code	Coordinator
1	Professional Internship	MOHX7180	A/P Dr. Nirmala Bhoo Pathy

List of Postgraduate candidates, Session 2014/2015

COUNTRIES	PROGRAMMES										
	MPH	MMed ScPH	DrPH	DrPH (Year 2)	DrPH (Year 3)	DrPH (Year 4)	DrPH (Year 5-extended)	DrPH (Year 6-extended)	DrPH (Year 7-extended)	MMedSc (Research)	PhD
Malaysia	15	13	12	14	11	11	12	6	5	14	15
Sudan	2		1								1
Ethopia	1										
Myanmar	4										
Iraq	1										
Pakistan											1
Iran										1	1
Nigeria	4	1				1					
Libya	1										3
Japan										1	
United Kingdom											
Yemen		1									2
Somalia	1										

Number of students enrolled and graduated

Programme	No. of students enrolled Session 2014/2015	No. of students graduated Session 2013/2014
Master of Public Health	29	22
Master of Medical Science in Public Health	15	7
Master of Public Health (Speciality) Year 3	-	-
Master of Public Health (Specialty) Year 4	-	-
Doctor of Public Health (DrPH)	13	2
Master of Medical Science (by Research)	4	1
Doctor of Philosophy (by Research)	5	1

Master of Public Health , Session 2014/2015

No	Name of Candidates	Country
1	ABDULLAHI AHMAD KAFARAN	NIGERIA
2	ADEOYE PHILIP ADEWALE	NIGERIA
3	AUNG KYAW MOE (MYANMAR)	MYANMAR
4	ELIANA BINTI AHMAD (KKM)	MALAYSIAN (KKM)
5	EMAN FARAG SHTIWI ALHOSH (LIBYA)	LIBYA
6	FAROUQ ZAYYAD SANI	NIGERIA
7	HIBA SEEDAHMED MUSTAFA ELHAG (SUDAN)	SUDAN
8	HLAING THAW DAR (MYANMAR)	MYANMAR
9	JASEEMA BEGUM BT NAZIR KHAN (KKM)	MALAYSIAN (KKM)
10	MARYAM MOHAMMAD BASHIR	NIGERIA
11	MAY YANADAR THUN	MYANMAR
12	MOHD SYIS BIN ZULKIPLI (KKM)	MALAYSIAN (KKM)
13	MUNA IDRIS AHMED ABDELGADIR	SUDAN
14	NADRAH ARFIZAH BINTI ARIFIN (KKM)	MALAYSIAN (KKM)
15	NAJMA SHEIKH ALI IDRIS (SOMALIA)	SOMALIA
16	NAWRES MOHAMMED ORAIBI AL-AZZAWI (IRAQ)	IRAQ
17	NOFI YULIANI BINTI DAHLAN (KKM)	MALAYSIAN (KKM)
18	NOR HANA BINTI AHMAD BAHURI (KKM)	MALAYSIAN (KKM)
19	NORBAIZURA BINTI SAIDIN (KKM)	MALAYSIAN (KKM)
20	RAUDAH BINTI MOHD YUNUS	MALAYSIAn
21	ROSLAILI KHAIRUDIN (KKM)	MALAYSIAN (KKM)
22	ROSVINDER SINGH (KKM)	MALAYSIAN (KKM)
23	RUBEN A/L RAMA KRISHNAN (KKM)	MALAYSIAN (KKM)
24	SAGUNTALA A/P SELVAMANI (KKM)	MALAYSIAN (KKM)
25	SANTHI A/P SUBRAMANIAM (KKM)	MALAYSIAN (KKM)
26	SEMIR RASHAD AWKASHO (ETHIOPIA)	ETHIOPIA
27	SHAZANA RIFHAM BINTI ABDULLAH (KKM)	MALAYSIAN (KKM)
28	SOE KYAW (MYANMAR)	MYANMAR
29	TENGKU AMATULLAH MADEEHAN BINTI T MOHD	MALAYSIAN

MASTER OF PUBLIC HEALTH (MPH)



Dr. Abdullahi Ahmed
Kafaran (Nigeria)



Dr. Adeoye Philip Adewale
(Nigeria)



Dr. Aung Kyaw Moe
(Myanmar)



Dr. Eliana binti Ahmad
(Malaysia)



Dr. Eman Farag
Shtiwi Alhosh
(Libya)



Dr. Farouq Zayyan
Sani
(Nigeria)



Dr. Hiba Seedahmed
Mustafa Elhag
(Sudan)



Dr. Hlaing Thaw Dar
(Myanmar)



Dr. Jaseema Begum
binti
Nazir Khan
(Malaysia)



Dr. Maryam
Mohammad
Bashir
(Nigeria)



Dr. May Yadanar Htun
(Myanmar)



Dr. Mohd Syis bin
Zulkipli
(Malaysia)



Dr. Muna Idris Ahmed
Abdelgadir
(Sudan)



Dr. Nadrah Arfizah
binti Arifin
(Malaysia)



Dr. Najma Sheikh
Ali Idiris (Somalia)



Dr. Nawres
Mohammed Oraibi Al-
Azzawi
(Iraq)



Dr. Nofi Yuliani binti
Dahlan
(Malaysia)



Dr. Nor Hana binti
Ahmad Bahuri
(Malaysia)



Dr. Norbaizura binti
Saidin
(Malaysia)



Dr. Raudah binti
Mohd Yunus
(Malaysia)



Dr. Roslaili Khairudin
(Malaysia)



Dr. Rosvinder Singh
(Malaysia)



Dr. Ruben a/l Rama
Krishnan (Malaysia)



Dr. Saguntala a/p
Selvamani
(Malaysia)



Dr. Santhi a/p
Subramaniam
(Malaysia)



Dr. Semir Rashad
Awkasho
(Ethiopia)



Dr. Shazana Rifham
binti Abdullah
(Malaysia)



Dr. Soe Kyaw
(Myanmar)



Dr. Tengku
Amatullah Madeehah
bt. T. Mohd
(Malaysia)

Master of Medical Science in Public Health, Session 2014/2015

No.	Name of Candidates	Country
1	ANNIE A/P KOLANDAISAMY	MALAYSIAN
2	CHAN PUI LIM	MALAYSIAN
3	CHANG CHUNG YUAN	MALAYSIAN
4	DEVI DARSHINI SIVAGNANAM	MALAYSIAN
5	EMAD ALI HASAN ALSHAMERI (YEMEN)	YEMEN
6	LONG MEI SIM	MALAYSIAN
7	LOW PHEI KEOW	MALAYSIAN
8	NARBATHA A/P SOOSAI PERANATHAN	MALAYSIAN
9	OOI SIA FUNG	MALAYSIAN
10	OTEGBAYO BOLAJOKO ELIZABETH	NIGERIA
11	SITI AISAH BT FADZILAH	MALAYSIAN
12	SUGANTHI A/P JEYABALAN	MALAYSIAN
13	SUMARNI BINTI MOHD GHAZALI	MALAYSIAN
14	VELSRI SHARMINIE	MALAYSIAN
15	WONG CHIN WEI	MALAYSIAN



Ms. Annie a/p
Kolandaisamy
(Malaysia)



Ms. Chan Pui Lim
(Malaysia)



Mr. Chang Chung
Yuan
(Malaysia)



Ms. Devi Darshini
Sivagnanam
(Malaysia)



Mr. Emad Ali Hasan
Alshameri
(Yemen)



Ms. Long Mei Sim
(Malaysia)



Ms. Low Phei Keow
(Malaysia)



Ms. Narbatha a/p
Soosai Peranathan
(Malaysia)



Ms. Ooi Sia Fung
(Malaysia)



Ms. Otegbayo
Bolajoko Elizabeth
(Nigeria)



Ms. Siti Aisah binti
Fadzilah
(Malaysia)



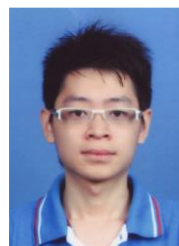
Ms. Suganthi a/p
Jeyabalan
(Malaysia)



Ms. Sumarni binti
Mohd Ghazali
(Malaysia)



Ms. Velsri Sharminie
(Malaysia)



Mr. Wong Chin Wei
(Malaysia)

Doctor of Public Health (DrPH), Session 2014/2015 (Year 1)

1	ARUNAH CHANDRAN (KKM)	MALAYSIAN
2	FAIRA ROSMARINA BINTI MOHD RUSTAM (ATM)	MALAYSIAN
3	HARISH RAJ A/L NARANDARAN (KKM)	MALAYSIAN
4	JUNISHA HANI BINTI BAHARUDIN (KKM)	MALAYSIAN
5	LIM YIN CHENG (KKM)	MALAYSIAN
6	MOHAMMED OTHMAN MOHAMMED ALSHAIKH	SUDAN
7	NOOR IZNI BINTI MOHAMED SHAPIE (KKM)	MALAYSIAN
8	NOR MAIZURA BINTI HARON (KKM)	MALAYSIAN
9	NURFAZLINDA BINTI MD SHAH	MALAYSIAN
10	NUR SOFIANI DIANA BINTI MOHAMMED YUSOF (KKM)	MALAYSIAN
11	NURAINI BINTI M.YUSAK	MALAYSIAN
12	SITI SABARIAH BTE SAMIAN (KKM)	MALAYSIAN
13	SIVARAJAN A/L RAMASAMY (KKM)	MALAYSIAN



Dr. Arunah a/p
Chandran
(Malaysia)



Dr. Faira
Rosmarina Mohd
Rustam
(Malaysia)



Dr. Harish Raj a/l
Narandaran
(Malaysia)



Dr. Junisha Hani
binti Baharuddin
(Malaysia)



Dr. Lim Yin Cheng
(Malaysia)



Dr. Mohammad
Othman
Mohammad
AlShaik
(Sudan)



Dr. Noor Izni
Mohamed Shapie
(Malaysia)



Dr. Nor Maizura
binti Haron
(Malaysia)



Dr. Nurfazlinda
binti Md Shah
(Malaysia)



Dr. Nur Sofiani
Diana binti
Mohamed Yusof
(Malaysia)



Dr. Nuraini binti
M. Yusak
(Malaysia)



Dr. Siti Sabariah
binti Samian
(Malaysia)



Dr. Sivarajan a/l
Ramasamy
(Malaysia)

Doctor of Public Health (Year 2)

No	Name of Candidates	Country
1	Dr. Azizan Omar	Malaysia
2	Dr. Gan Saw Chien	Malaysia
3	Dr. Hadzri Zainal	Malaysia
4	Dr. Khairunnisa Mohamed	Malaysia
5	Dr. Maheshwara Rao a/l Appannan	Malaysia
6	Dr. Meor Adzhary bin Sagirudin	Malaysia
7	Dr. Mohd Farid bin Alias	Malaysia
8	Dr. Mohd Khairul Anwar bvin Shafii	Malaysia
9	Dr. Muhamad Hazizi Muhamad Hasani	Malaysia
10	Dr. Norhasliza Abu Bakar	Malaysia
11	Dr. Safaridah Anuar	Malaysia
12	Dr. Sharifah Norsuhaida Syed Abdul Karim	Malaysia
13	Dr. Tharani Loganathan	Malaysia
14	Dr. Zuraihan Dahari	Malaysia



Dr. Azizan Omar
(Malaysia)



Dr. Gan Saw Chien
(Malaysia)



Dr. Hadzri Zainal
(Malaysia)



Dr. Khairunnisa
Mohamed
(Malaysia)



Dr. Maheshwara Rao
a/l Appannan
(Malaysia)



Dr. Meor Adzhary
bin Sagirudin
(Malaysia)



Dr. Mohd Farid bin
Alias
(Malaysia)



Dr. Mohd Khairul
Anwar bin Shafii
(Malaysia)



Dr. Muhamad
Hazizi Muhamad
Hasani
(Malaysia)



Dr. Norhasliza Abu
Bakar
(Malaysia)



Dr. Safaridah Anuar
(Malaysia)



Dr. Sharifah Norsuhaida
Syed Abdul Karim
(Malaysia)



Dr. Tharani Loganathan
(Malaysia)



Dr. Zuraihan
Dahari
(Malaysia)

Doctor of Public Health (Year 3) No	Name of Candidates	Country
1	Dr. Chai Phing Tze	Malaysia
2	Dr. Faridzal Harrymen bin Mohd Din	Malaysia
3	Dr. Jeyanthini Sathasivam	Malaysia
4	Dr. Justen Wong Han Wei	Malaysia
5	Dr. Karen Sharmini a/p Sandanasamy	Malaysia
6	Dr. Khairiah Ibrahim	Malaysia
7	Dr. Lee Kun Yun	Malaysia
8	Dr. Lee Soo Cheng	Malaysia
9	Dr. Nor Asma binti Musa	Malaysia
10	Dr. Norliana binti Ismail	Malaysia
11	Dr. Nurul Haniza binti Md Yusof	Malaysia



Dr. Chai Ping Tze



Dr. Faridzal Harrymen
bin Mohd Din



Dr. Jeyanthini
Sathasivam



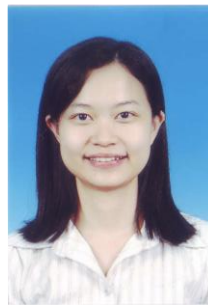
Dr. Justen Wong
Han Wei



Dr. Karen Sharmini
a/p Sandanasamy



Dr. Khairiah bt.
Ibrahim



Dr. Lee Kun Yun



Dr. Lee Soo Cheng



Dr. Nor Asma binti
Musa



Dr. Norliana binti
Ismail



Dr. Nurul Haniza
binti Md Yusof

Doctor of Public Health (Year 4)

No	Name of Candidates	Country
1	Dr. Ashivini a/p Jayapalan	Malaysia
2	Dr. Cassidy a/l Devarajoo	Malaysia
3	Dr. Lily Rafidah binti Mohamed Zaki	Malaysia
4	Dr. Mazliza binti Ramly	Malaysia
5	Dr. Muthu Chelvan a/l Mathi Arasu	Malaysia
6	Dr. Nirmalah a/p Subramaniam	Malaysia
7	Dr. Norsilah binti Sudin	Malaysia
8	Dr. Rajini a/p Sooryanarayana	Malaysia
9	Dr. Razatul Shima binti Abdul Razak	Malaysia
10	Dr. Shazimah binti Abdul Samad	Malaysia
11	Dr. Tan Seok Hong	Malaysia
12	Dr. Tukur Ismail	Nigeria



Dr Ashvini a/p
Jayapalan



Dr Cassidy a/l
Devarajoo



Dr Lily Rafidah
bt. Mohamed
Zaki



Dr Mazliza Bt.
Ramly



Dr Muthu
Chelvan a/l Mathi
Arasu



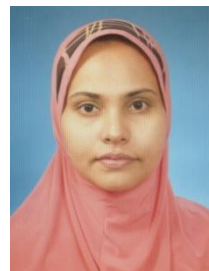
Dr Nirmalah a/p
Subramaniam



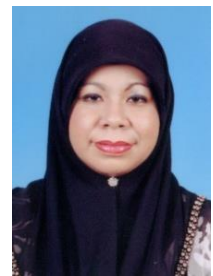
Dr Norsilah bt.
Sudin



Dr Rajini a/p
Sooryanarayana



Dr Razatul
Shima bt. Abdul
Razak



Dr Shazimah bt
Abdul Samad



Dr Tan Seok
Hong



Dr. Tukur Ismail

Doctor of Public Health (Year 5)

No.	Name of candidate	Country
1	Dr. Alfred Aldrin a/l S. Perianayagam	Malaysia
2	Dr. Anisah Jantim	Malaysia
3	Dr. Chow Sze Loon	Malaysia
4	Dr. Erlendawati Mohd Anuar	Malaysia
5	Dr. Juliana Sharmini Paul	Malaysia
6	Dr. Mohammad Idris Zamhuri	Malaysia
7	Dr. Siti Noraida Jamal	Malaysia
8	Dr. Norliza Ibrahim	Malaysia
9	Dr. Nur Suffia Sulaiman	Malaysia
10	Dr. Nuraidah Mohd Marzuki	Malaysia
11	Dr. P. Raviwharmman a/l Packierisamy	Malaysia
12	Dr. Tuty Adrizan	Malaysia



Dr Alfred Aldrin
a/l
S. Perianayagam



Dr Anisah
Jantim



Dr Chow Sze
Loon



Dr Erlendawati
Mohd Anuar



Dr Juliana
Sharmini
Paul



Dr Mohammad
Idris Zamhuri



Dr Noraida
Jamal



Dr Norliza
Ibrahim



Dr Nur Suffia
Sulaiman



Dr Nuraidah
Mohd Marzuki



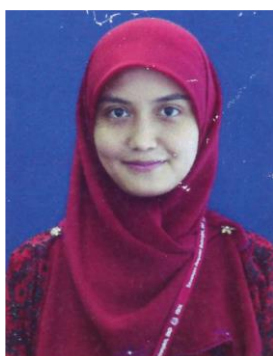
Dr P.
Raviwharmman
a/l Packierisamy



Dr Tuty Adrizan

Doctor of Public Health (Year 6-extended)

No.	Name of Candidates	Country
1	Dr. Ismawati Ismail	Malaysia
2	Dr. Jenifer @ Jennifer John	Malaysia
3	Dr. Mohd Ridzwan bin Shahari	Malaysia
4	Dr. Premila Devi	Malaysia
5	Dr. Rima Marhayu binti Abdul Rashid	Malaysia
6	Dr. Sophia binti Mohd Ramli	Malaysia



Dr. Ismawati Ismail



Dr. Jenifer @ Jennifer
John



Dr. Mohd Ridzwan
bin Shahari



Dr. Premila Devi



Dr. Rima Marhayu
binti Abdul Rashid



Dr. Sophia binti Mohd
Ramli

Doctor of Public Health (Year 7-extended)

No.	Name of Candidates	Country
1	Dr. Noorhaire Sumarlie bin Nordin	Malaysia
2	Dr. Nurhuda binti Ismail	Malaysia
3	Dr. Nor Irdawaty binti Ibrahim	Malaysia
4	Dr. Norzakiah binti Mohd Tahir	Malaysia
5	Dr. Siti Horirotul Hamrok binti Asis	Malaysia



Dr. Noorhaire
Sumarlie bin Nordin



Dr. Nurhuda binti
Ismail



Dr. Nor Irdawaty
binti Ibrahim



Dr. Norzakiah binti
Mohd Tahir



Dr. Siti Horirotul
Hamrok binti Asis

Master of Medical Science (by research)

Name of candidate	Title of Project	Supervisors
Nur Rafiatul Rizwanni Ahmad Nizar	Age Estimation Base on Teeth Formation	A/P Dr. Karuthan Chinna
Jonathan Inbaraj	Estimation on Transorarial Transmission and Minimal Infection Rate on Dengue Virus	A/P Dr. Karuthan Chinna
Farah Hayati binti Abdul Latif		Prof. Dr. Maznah Dahlui
Sepideh Nabipour	Nutritional Status of Substance Dependent Patients During Methadone Maintenance Therapy	A/P Dr. Mas Ayu Said
Mazuin binti Kamarul Zaman	Fermentable, Oligo-, Di-, Mono-saccharides and Polyols (FODMAP) content in Enteral Formula, Predictor of Diarrhoea in Critically ill patients.	A/P Dr. Hazreen Abd. Majid
Wan Mahfuzah binti Wan Muda	An exploratory study of women's knowledge, attitude, experiences and impact of vaginitis among public Malaysian women and women with vaginal infections.	A/P Dr. Wong Li Ping / A/P Dr. Tay Sun Tee (Microbiology)
Josephine Rebecca	Knowledge, beliefs and practices related to dengue fever among the Orang Asli in Peninsula Malaysia.	A/P Dr. Wong Li Ping / Prof. Dr. Sazaly bin Abu Bakar (Microbiology)
Camelina Chandra	Policy Environment on Promoting Healthy Food and Physical Activity Among School Children : What are the Challenges and Barries of its Implementation?	Prof. Dr. Maznah Dahlui / A/P Dr. Moy Foong Ming
Raja Nur Amalina Bt. Raja Muhammad Yusof	HPV Knowledge and HPV Vaccine Acceptability Among Form One Students	A/P Dr. Wong Li Ping (Methodology) / Prof. Dr. Jamal I-Ching Sam (Clinical Virology & Epidemiology)
Ayako Kohno (UM- Kyoto)	An Insight on the Healthcare Experience of Japanese Retiress in Malaysia	Prof. Prof. Dr. Maznah Dahlui / Dr. Nik Daliana
Intan Shafinaz binti Sharifudin	Vitamin D and Its Association with Adiposity among Female Teachers in Wilayah Persekutuan Kuala Lumpur	A/P Dr. Moy Foong Ming
Liyana Ramli	Dietary intake and eating pattern among adolescents in Malaysia and its relation to the	A/P Dr. Hazreen Abd. Majid

	risk of cardiovascular disease	
Aina Farhana binti Zulkipli	Complementary and Alternative Medicine Use and Association with Quality of Life among Breast Cancer Patients in Malaysia	Prof. Dr. Samsinah binti Hussain / Prof. Dr. Maznah Dahlui
Nanthini Bhoo Pathy	Breast Cancer Survival Trends in Premenopausal Asian Women: Impact of Early Detection and Improved Treatment	Prof. Dr. Maznah Dahlui / A/P Dr. Nur Aishah Mohd Taib
Siamala a/p Sinnadurai	Breast Conserving Therapy Versus Mastectomy in Premenopausal Breast Cancer Patient in an Asia Setting.	Prof. Dr. Maznah Dahlui / A/P Dr. Nirmala Bhoo Pathy
Ameera binti Abdullah Thani	Dietary Salt Intake among The Low Income Urban Community	A/P Hazreen Abd. Majid / Prof. Dr. Maznah Dahlui

Doctor of Philosophy (by research)

Name of candidate	Title of Project	Supervisors
Dr. Isam Eldin Elnour Mohamed Baloul	Evaluation of National Health Insurance Fund-Sudan	Prof. Dr. Maznah Dahlui
Mr. Salem Ibrahim Alkoshi	Economic Evaluation of Rotavirus Vaccination in Libya	Prof. Dr. Maznah Dahlui
Mr. Roshidi Ismail	Measuring Cancer Awareness in Malaysia Using Cancer Awareness Measure Tool (CAM).	A/P Dr. Nabilla Al-Sadat Abdul Mohsein
Yeoh Ping Ling	Adequacy of Antenatal Care and Its Outcome Among Women Attending Public Health Clinics in Selangor, Malaysia	Prof. Dr. Maznah Dahlui
Dr. Mazapuspavina Md Yasin	Development and Efficacy Testing of a Theoretical Framework in Obesity Management	Prof. Dr. Awang Bulgiba bin Awang Mahmud
Dr. Muftah Abdusalam Elbahloul	Comparison of Sensitivity and Specificity of Clinical and Laboratory Features in Detection of Mycobacterium Tuberculosis in Misurata, Libya, Across Sectional Study (2012)	A/P Prof. Karuthan Chinna

Prof. Madya Dr. Retneswari Masilamani	Salivary Cortisol IgA as Biomarkers for Psychological Stress : A Study of Workplace Stress Among Police Officers.	Prof. Dr. Awang Bulgiba bin Awang Mahmud/Prof. Dr. David Koh
Noor Mastura binti Mohd Mujar	Study On Delay In Diagnosis And Treatment Of Breast Cancer Amongst Women Attending Public Hospitals In Malaysia	Prof. Dr. Maznah Dahlui / A/P Dr. Nur Aishah Mohd Taib
Nur Sabrina binti Che Soh	Vertical Transmission of Dengue: Insights from Mathematical Modelling	A/P Dr. Karuthan Chinna
Nada Ab Mansour Hweissa	Population Awareness and Health Care Providers' Behavior on Cervical cancer Prevention in Libya	A/P Dr. Tin Tin Su
Kwong Soke Chee	Nutritional biomarkers in breast cancer patient	A/P Dr. Hazreen Abd. Majid/ A/P Dr. Nur Aishah Mohd Taib
Meram Mohammed Ali Azzani	The Cost of Colorectal Cancer Management and the Financial Burden among Patients and their Families in a Tertiary Hospital-Malaysia.	A/P Dr. Tin Tin Su
Tracy Lew Shiong Yen	Development , validation and utilisation of a food frequency questionnaire to identify food consumption patterns and its association with risk factors for cardiovascular disease among female secondary school teachers in Peninsular Malaysia	A/P Dr. Moy Foong Ming
Masoumeh Ghane Kisomi	Epidemiology, Clinical Features & Social Economy of Thick Born Diseases (knowledge, belief & behaviour of malaysian public)	A/P Dr. Wong Li Ping
Sharina Mahavera Mohamad Shakir	Patterns and determinants of seeking STI-related information among young people in Malaysia: How does the internet contribute to overcoming stigma and other barriers to seeking STI-related information online.	A/P Dr. Wong Li Ping / A/P Philippe Adam (UNSW) / A/P Dr. Khatijah Lim Abdullah @ Lim Geok Khim (Nursing)
Jeevitha Mariapun	An Assessment of the Socioeconomic Inequalities in Morbidity and Mortality in Malaysia	A/P Dr. Noran Naqiah bt. Mohd Hairi / A/P Dr. Ng Chiu Wan

Eva Nabiha binti Zamri	Assessment of Musculoskeletal Pain and Effectiveness of an Interventional Study using Web based Physical Activity and Ergonomic Education in Prevention of Musculoskeletal Pain among Secondary School Teachers in Pulau Pinang	A/P Dr. Victor Hoe Chee Wai (OEH) / A/P Dr. Moy Foong Ming (Methodology)
Eng Jui Yee	The Impact of a 6 Year Workplace Wellness Program on Employees Health Status and Productivity	A/P Dr. Moy Foong Ming (Method & Statistic) / Prof. Awang Bulgiba Awang Mahmud (Method & Content)
Padmaa Venkatasoon	Frailty Models and Their Applications in Recurrent Events	A/P Dr. Karuthan Chinna (Method) / A/P Dr. Yong Zulina Zubairi (Content)
Muhammad Bilal Siddiqui		A/P Ng Chiu Wan / A/P Dr. Sajid Bashir Soofi
Yeo Pei Sien	Prevalence and Assessment of Malnutrition among Children in Two Major Tertiary Hospitals in Malaysia	Prof. Dato' Dr. Christopher Boey Chiong Meng / A/P Dr. Hazreen bin Abdul Majid
Ahmed Hamood Ali Alshahethi	Factor Associated with Prenatal Mortality in Yemen	Prof. Awang Bulgiba Awg Mahmud / Dr. Rafdzah Ahmad Zaki
Nurul ' Ain binti Azizan	Lifestyle Modification Intervention : Improving Hypertension Among Urban Low Income Population in Kuala Lumpur, Malaysia.	A/P Dr. Tin Tin Su / A/P Dr. Hazreen Abd Majid

DEPARTMENT UNITS

FAMILY HEALTH

2014 was a successful year for the Family Health Unit.

Strengths/Expertise

Assoc. Prof. Dr. Wong Yut Lin	Sexual Reproductive Health, Rights & Advocacy Gender-Based Violence & Interventions Qualitative Research
Assoc. Prof. Dr. Nabilla Al-Sadat	Adolescent Health
Abdul Mohsein	Tobacco Control and Economics Behavioural Science
Puan Sri Dr. Norlaili Abdul Aziz	Maternal & Child Health Food Safety and Hygiene Reproductive Medicine
Dr. Maslinor Ismail	Infertility Sexual & Reproductive Health Child Health
Associate Prof. Dr. Hazreen Abd Majid	Clinical Nutrition (pre and probiotics in enteral nutrition, oral nutrition and Irritable Bowel Syndrome) Sports Nutrition Public health nutrition (Obesity, undernutrition and adolescent nutrition)
Dr. Nik Daliana Nik Farid	Adolescent Health

Aims

- 1) To produce students who are theoretically sound and technically competent in addressing issues regarding family health and nutrition.
- 2) To empower staff with skills related to their job scope and research.

Activities

In conjunction with the Asia-Africa Development University Networks (AADUN) Research Meeting and Seminar 10th–14th June 2013, Dr. Oche Mansur Oche, Head of the Community Health Department, College of Health Sciences, Usmanu Danfodiyyo University, Sokoto, Nigeria successfully conducted consultations with the Family Health Unit regarding new modules and future short courses. The unit coordinated Dr. Oche's weeklong program at the SPM Department. The highlights include Dr. Oche's consultation on Achievement of MDG in Nigeria with the Family

Health Division of the Ministry of Health, Malaysia and exploration on research collaboration pertaining to the Nigeria Demographic Health Survey (DHS) database.

Research

- 1) Assessment of Men's Involvement in Unintended Pregnancy, Contraception, & Legal Safe Abortion in Malaysia September 2012 – December 2013. WIM/UNFPA
- 2) Acceptability & feasibility of self sampling for HPV-DNA testing among Malaysian women.
July 2013 – June 2014; HTM/UM
- 3) Advancing Women in Science & Technology in Asia-African Countries. 2013–2014; UMRG
- 4) PARTNER for a low income urban community
- 5) Malaysian Breast Cancer Survivorship Cohort (MyBCC) – HIR (High Impact Research) project focussing on nutrition and body composition of the survivors.
- 6) Asia Africa Development University Networks (public health component and nutrition)
- 7) A Study of Manpower Requirements in the Healthcare Industry – a consultancy project from the Ministry of Human Resources and PEMANDU (June 2012–Feb 2013).
- 8) Malaysian Health for Adolescents Longitudinal Research Team (MyHeARTs) – UMRG

Publications

- 1) **Yut-Lin Wong**, Karuthan Chinna, Jeevitha Mariapun, Li-Ping Wong, Ee-Ming Khoo, Wah-Yun Low, Rashidah Shuib “Correlates between risk perceptions of cervical cancer and screening practice” Preventive Medicine 57 (2013) S24–S26. [ISI-cited]
- 2) Awang Bulgiba, **Yut-Lin Wong**, Noran N. Hairi. Editorial. Preventive Medicine 57 (2013) S1–S2. [ISI-cited]

- 3) Su TT, Bulgiba AM, Sampatanukul P, Sastroasmoro S, Chang P, Tharyan P, Lin V, **Wong YL**. 2013. Clinical Epidemiology (CE) and Evidence-Based Medicine (EBM) in the Asia Pacific region (Round Table Forum). *Preventive Medicine* 57 (2013) S5–S7. [ISI-cited]
- 4) Wen Ting Tong, Wah Yun Low, **Yut Lin Wong**, Sim Poey Choong, Ravindran Jegasothy. **A** Qualitative Exploration of Contraceptive Practice and Decision Making of Malaysian Women Who Had Induced Abortion: A Case Study. *Asia Pac J of Public Health*. *Accepted for publication in 2013*. DOI: 10.1177/1010539513514434. [ISI-cited]
- 5) **Majid HA**, Sidek MA, Chinna K (2013) Psychometric properties of DAPonDEN: Definitions, attitudes and practices in relation to diarrhea during enteral nutrition questionnaire. *Prev Med*. 2013;57 Suppl:S64–6. doi: 10.1016/j.ypmed.2012.12.021 (*ISI-Cited Publication*).
- 6) **Majid HA**, Cole J, Emery P, Whelan K (2013) Additional oligofructose/inulin does not increase faecal bifidobacteria in critically ill patients receiving enteral nutrition: A randomised controlled trial (in press) *Clinical Nutrition* (*ISI-Cited Publication*).
- 7) Loh KW, **Majid HA**, Dahlui M, Roslani AC, Su TT. Sociodemographic predictors of recall and recognition of colorectal cancer symptoms and anticipated delay in help-seeking in a multiethnic asian population. *Asian Pac J Cancer Prev*. 2013;14(6):3799–804. (*ISI-Cited Publication*).
- 8) **H. Abdul Majid**, T. Pei Chien, S.H. Mohd Taib, R. Othman (2013), Reliability And Validity Of 3 Minutes Nutrition Screening Tool For Hospitalized Adult Patients In Kuala Lumpur, Malaysia, *Clinical Nutrition*, Volume 32, Supplement 1, Pages S177–S178 (*Isi-Cited Publication*).
- 9) Firouzi S, Barakatun-Nisak MY, Ismail A, **Majid HA**, Azmi KN. 2013. Role of probiotics in modulating glucose homeostasis: evidence from animal and human studies. *Int J Food Sci Nutr*. 2013 Sep;64(6):780–6. doi: 10.3109/09637486.2013.775227 (*ISI-Cited Publication*).
- 10) Su TT, Goh JY, Tan J, Muhaimah AR, Pigeneswaren Y, Khairun NS, Normazidah AW, Tharisini DK, **Majid HA** (2013) Level of colorectal cancer awareness: a cross sectional exploratory study among multi-ethnic rural population in Malaysia. *BMC Cancer*. 2013 Aug 7;13:376. (*ISI-Cited Publication*).
- 11) Redzal Abu Hanifah, Mohd. Nahar Azmi Mohamed, Zulkarnain Jaafar, **Nabilla Al-Sadat Abdul Mohsein**, Muhammad Yazid Jalaludin, **Hazreen Abdul Majid**, Liam Murray, Marie Cantwell, Tin Tin Su. 2013. The Correlates of Body Composition with Heart Rate Recovery after Step Test: An Exploratory Study of Malaysian Adolescents. *PLOS ONE* 8(12):e82893. doi:10.1371/journal.pone.0082893 (*ISI-Cited Publication*).
- 12) Malaysian Health Technology Assessment Section (MaHTAS), 2013. Clinical Practice Guidelines: management of psoriasis vulgaris. Putrajaya: MOH.
- 13) **Nik Daliana Nik Farid**, Sulaiman Che' Rus, Maznah Dahlui and **Nabilla Al-Sadat**. Determinants of initiation of sexual intercourse among incarcerated adolescents: a mixed-method study. *Singapore Medical Journal*, Volume 54, 2013 Issue Number 12.

- 14) **Norlaili Abdul Aziz**, Maznah Dahlui, Malaysian Economy, Economic Transformation Programme: Next Economic Experience, edited by Sulaiman Mahbob, Zakariah Abdul Rashid, Ahmad Fauzi Pusa, Chapter 16 Health and Tourism, pp 343, MIER Publication 2013. [Book Chapter]
- 15) M. Hamza, **A. S. Nabilla**, S. Y. Loh. (2012) Measuring perceived social support in stroke survivors: linguistic validation of the Multidimensional Scale of Perceived Social Support (MSPSS) in Hausa (Nigerian) language. *South African Journal of Occupational Therapy* 42(3): 26–31.
- 16) M. Hamza, **A. S. Nabilla**, S. Y. Loh. (2012) Evaluation of Quality of Life among Stroke Survivors: Linguistic Validation of the Stroke Impact Scale (SIS) 3.0 in Hausa Language. *South Journal of the Nigeria Society of Physiotherapy* 20: 52–59.
- 17) M. Hamza, **A. S. Nabilla**, S. Y. Loh. (2013) The Importance of Social Relationship and Support System after Stroke: A Qualitative Inquiry. *Nigerian Journal of Medical Rehabilitation*.
- 18) M. Hamza, **A. S. Nabilla**, S. Y. Loh. (2013) What Improves Quality of Life – Views from Post-stroke Survivors in Kano, Nigeria. *Malaysian Journal of Public Health Medicine (MJPBM)*.
- 19) Premila Devi Jeganathan, Noran N Hairi, **Nabilla Al Sadat**, Karuthan Chinna. (2013) Smoking Stage Relations to Peer, School and Parental Factors among Secondary School Students in Kinta, Perak. *Asian Pacific Journal of Cancer Prevention*, Vol 14, 2013 (3483–3489)
- 20) Premila Devi Jeganathan, Noran N Hairi, **Nabilla Al Sadat**, Karuthan Chinna. (2013) Incidence of Adverse Transition in Smoking Stages among Adolescents of Kinta, Perak. *Asian Pacific Journal of Cancer Prevention*, Vol 14, 2013 (6769–6773)
- 21) **Abdul Aziz Norlaili**, M Amin Fatihah, **Nik Farid Nik Daliana**, Dahlui Maznah (2013) Breast Cancer Awareness of Rural Women in Malaysia: is it the Same as in the Cities? *Asian Pacific Journal of Cancer Prevention*, Vol. 14, 2567-2570. *Accepted for publication in 2013 DOI: <http://dx.doi.org/10.7314/APJCP.2013.14.12>*
- 22) Su, T. T., Sim, P. Y., Nahar, A. M., Majid, H. A., Murray, L. J., Cantwell, M. M., AL-Sadat, N. & Jalaludin, M. Y. 2014. Association between self- reported physical activity and indicators of body composition in Malaysian adolescents. *Preventive Medicine* (in press)
- 23) AA Fadzlina¹, Fatimah Harun¹, MY Nurul Haniza², Nabilla Al Sadat², Liam Murray³, Marie M Cantwell³, Tin Tin Su², Hazreen Abdul Majid², Muhammad Yazid Jalaludin¹
*Metabolic syndrome among 13 year old adolescents: prevalence and risk factors

- 24) Hazreen M, Su T, Jalaludin M, Dahlui M, Chinna K, Ismail M, Murray L, Cantwell M, Sadat N; MyHeART Study Group (2014) An exploratory study on risk factors for chronic non-communicable diseases among adolescents in Malaysia: overview of the Malaysian Health and Adolescents Longitudinal Research Team study (The MyHeART study). BMC Public Health. 2014 Nov 24;14 Suppl 3:S6. doi: 10.1186
- 25) Ashiru Hamza Mohammad, Nabilla Al-Sadat, Loh Siew Yim, Karuthan Chinna. 2014. Reliability and Validity of the Nigerian (Hausa) Version of the Stroke Impact Scale (SIS) 3.0 Index. BioMed Research International. Volume 2014, Article ID 302097, 7 pages
- 26) Nik Daliana Nik Farid, Norlaili Abdul Aziz, Nabilla Al-Sadat, Mariam Jamaludin, Maznah Dahlui 2014. Clinical breast examination as the recommended breast cancer screening modality in a rural community in Malaysia; What are the factors that could enhance its uptake? PLOS ONE 9(9):1-6.
- 27) Nik Daliana Nik Farid, Sulaiman Che Rus, Maznah Dahlui, Nabilla Al-Sadat, Norlaili Abdul Aziz 2014. Predictors of sexual risk behaviour among adolescents from welfare institutions in Malaysia: A cross sectional study. BMC Public Health.
- 28) Hanifah R, Majid H, Jalaludin M, Al-Sadat N, Murray LJ, Cantwell M, Su T, Nahar A (2014) Fitness level and body composition indices: cross-sectional study among Malaysian adolescent. BMC Public Health. 2014 Nov 24;14 Suppl 3:S5. doi: 10.1186
- 29) Majid HA, Cole J, Emery P, Whelan K (2014) Additional oligofructose/inulin does not increase faecal bifidobacteria in critically ill patients receiving enteral nutrition: A randomised controlled trial; Clin Nutr. 2014 Dec;33(6):966-72 (*ISI-Cited Publication*)
- 30) Sim PY, Su TT, Majid HA, Nahar AM, Jalaludin MY (2014) A comparison study of portable foot-to-foot bioelectrical impedance scale to measure body fat percentage in Asian adults and children. BioMed Research International. <http://dx.doi.org/10.1155/2014/475659> (*ISI-Cited Publication*)
- 31) Razatulshima, Hairi F, Majid HA (2014). A Qualitative Study on Hypertensive Care Behaviour in Primary Health Care Settings in Malaysia. Patient Preference and Adherence; 8:1597-609. doi: 10.2147/PPA.S69680 (*ISI-Cited Publication*)
- 32) Jaafar N, Hakim H, MohdNor NA, Mohamed A, Saub R, Esa R, Doss J, Yusof ZY, Ab-Murat N, Abu Kassim NL, Majid H, Tin-Su T. (2014) Is the burden of oral diseases higher in urban disadvantaged, community compared to the national prevalence? BMC Public Health 14 (Suppl 3): S2 (*ISI/SCOPUS Cited Publication*)
- 33) Su T, Majid H, Nahar A, Azizan N, Hairi F, Thangiah N, Dahlui M, Bulgiba A, Murray LJ (2014) The effectiveness of a life style modification and peer support home blood pressure monitoring in control of hypertension: protocol for a cluster randomized controlled trial. BMC Public Health. 14 Suppl 3:S4 (*ISI-Cited Publication*)

- 34) Amiri M, Majid H, Hairi F, Thangiah N, Bulgiba A, Su T. (2014) Prevalence and determinants of cardiovascular disease risk factors among the residents of urban community housing projects in Malaysia. BMC Public Health. 2014 Nov 24;14 Suppl 3:S3. doi: 10.1186/1471-2458-14-S3-S3. Epub 2014 Nov 24. *(ISI-Cited Publication)*
- 35) Choon S, Chan L, Choon SE, Jamil A, Chin CL, Cheng CH, Ambrose D, Majid HA, Heng KC, Lin LY, Yusof MA, Thye SL, Thevarajah S, Hashim S, Jong TJ, Ming WS, Shariff Y (2014) Malaysian Clinical Practice Guideline for the Management of Psoriasis Vulgaris: Summary of recommendations for management in primary healthcare setting. Malays Fam Physician;9(1):16-21. eCollection 2014. *(SCOPUS-Cited Publication)*
- 36) Islam T, Dahlui M, Majid H, Nahar A, Mohd Taib N, Su T; MyBCC study group (2014) Factors associated with return to work of breast cancer survivors: a systematic review. BMC Public Health. 2014 Nov 24;14 Suppl 3:S8. *(ISI-Cited Publication)*
- 37) Wong L, Atefi N, Majid H, Su T (2014) Prevalence of pregnancy experiences and contraceptive knowledge among single adults in a low socio- economic suburban community in Kuala Lumpur, Malaysia. BMC Public Health. 2014 Nov 24;14 Suppl 3:S1. doi: 10.1186/1471-2458-14-S3- S1. *(ISI-Cited Publication)*

Presentations

- 1) **Nik Daliana Nik Farid**, Maznah Dahlui, **Nabilla Al-Sadat**, **Norlaili Abdul Aziz & Maslinor Ismail** (2013). Early Sexual Debut: A Risk Factor for Sexual Risk Behaviour among Incarcerated Adolescents in Malaysia. Paper presented at the International Research Symposium on Population Health, Kuala Lumpur, Malaysia (Oral Presentation).
- 2) **Nik Daliana Nik Farid**, Maznah Dahlui, **Nabilla Al-Sadat**, **Norlaili Abdul Aziz & Maslinor Ismail** (2013). Predictors of Sexual Risk Behaviour among Adolescents from Welfare Institutions in Malaysia. Paper presented at the International Research Symposium on Population Health, Kuala Lumpur, Malaysia. (Best Poster Presenter).
- 3) **Yut-Lin Wong**, Shanthi Thambiah, Denise Spitzer, Siti Sa'adiah Hassan Nudin. Health of Female Foreign Domestic Workers in Malaysia: Stressors, Buffers, & Resilience (2013). Paper presented at the 45 APACPH Conference, 25th–27th October 2013, Wuhan, China.
- 4) **Yut-Lin Wong**. Men's involvement in unintended pregnancy, contraception, and legal safe abortion – challenges to MDG 5B universal access to reproductive health. Paper presented at the 45 APACPH Conference, 25th–27th October 2013, Wuhan, China.
- 5) **Yut-Lin Wong**. Hospital-based One Stop Crisis Centres (OSCC) in Malaysia: health sector vs. health systems approach to Gender-Based Violence (GBV). Paper presented at Health Systems in Asia: Equity, Governance, and Social Impact, 13th–16th December 2013, NUS, Singapore.

- 6) **Yut-Lin Wong**, Shanthi Thambiah, Denise Spitzer, Siti Sa'adiah Hassan Nudin. To sink like a stone or float like a husk: navigating healthcare by foreign domestic workers in Malaysia. Paper presented at Health Systems in Asia: Equity, Governance, and Social Impact, 13th–16th December 2013, NUS, Singapore.
- 7) Rafidah Bahari, **Norlaili Abdul Aziz**. Religiosity, coping and post traumatic stress disorder among earthquake survivors. Paper presented at 3rd International Public Health Conference: “New Insights into Non Communicable Disease Prevention: The Next Step”, 27th–29th August 2013, Kuching, Sarawak.
- 8) **Hazreen Abdul Majid**, Siti Hawa Mohd Taib, Rafidah Othman, Tah Pei Chien. Reliability and validity of 3 minutes nutrition screening tool for hospitalized adult patients in Kuala Lumpur, Malaysia. Paper presented at ESPEN Congress on Clinical Nutrition and Metabolism, 1st Sep 2013 to 3rd Sep 2013, European Society for Clinical Nutrition and Metabolism, Leipzig, Germany.
- 9) **Hazreen Abdul Majid**, Wardah Mohd Yassin, Faizah Harun, Tin Tin Su, Nur Aishah Mohd Taib Malaysian Breast Cancer Survivorship Cohort: Body Mass Index and body fat percentages of the newly diagnosed patients. Paper presented at IASO and WCRF International “Obesity, physical activity and cancer” conference, 16th Apr 2013 to 17th Apr 2013, International Association of the Study for Obesity and World Cancer Research Fund, London, UK.
- 10) **Hazreen Abdul Majid**, Tin Tin Su, Muhamid Yazid J, MAznah D, Karuthan C, Maslinor I, Liam M, Marie C, Nabilla Al-Sadat. Cohort profile: the Malaysian health and adolescents longitudinal research study (the MyHeart study): An exploratory study on risk factors for chronic non communicable diseases among adolescents, International Research Symposium on Population Health 2013, 18th Nov 2013 to 22nd Nov 2013, Centre for Population Health and Dept of Social and Preventive Medicine, UM.
- 11) Nabilla Al-Sadat, Norlaili Abdul Aziz, Saidatul Norbaya. Enhancing Urban Health Through School Health Services, Urban Health Seminar, University of Malaya, 25th March, 2014.
- 12) Nabilla Al-Sadat, Hatijah Ayob, Zariah Zain. Good Governance, Unethical Investment And Fctc Art 5.3 And The Philippines Code Of Conduct . Seatca-Mywatch Good Governance And Ethical Csr Open Forum, Subang Jaya, 5th September, 2014
- 13) Nabilla Al-Sadat, Rafdzah Zaki, Nik Daliana Nik Farid, Norlaili Abdul Aziz. Factors Associated with smoking and the patterns of smoking behavior among adolescents in rural Malaysia. 46th. APACPH Conference, Hilton Kuala Lumpur, 17th to 19th October, 2014
- 14) An exploratory nutrition health literacy study on dietary intake among multi-ethnic adolescents in South East Asia, Global Health Literacy Forum, 20 May 2015 to 21 May 2015, Asian Health Literacy Association and Health Literacy Europe.

- 15) An Exploratory Study on Risk Factors for Chronic Non-Communicable Diseases among Adolescents in Malaysia: Overview of the Malaysia Health and Adolescents Longitudinal Research Team Study(The MyHeART Study), 30th Nutrition Society Annual Scientific Conference, 02 Jun 2015 to 02 Jun 2015, Nutrition Society of Malaysia, (National)

Academic Staff

- 1) Associate Professor Dr. Wong Yut Lin (Head of Unit: March 2013 -)
- 2) Associate Professor Dr. Nabilla Al-Sadat Abdul Mohsein (Population Medicine Coordinator, UMMP; Associate, SERU, UM)
- 3) Associate Prof. Dr. Hazreen Abd Majid (Masters and PhD (research) coordinator – 2011- now)
- 4) Puan Sri Dr. Norlaili Abdul Aziz
- 5) Dr. Maslinor Ismail (Head of Unit: Sept 2012 –Feb 2013)
- 6) Dr. Nik Daliana Nik Farid



Front row from left: Dr. Nik Daliana Nik Farid, Associate Professor Dr. Nabilla Al-Sadat Abdul Mohsein, Associate Professor Dr. Wong Yut Lin (HOU), Puan Sri Dr. Norlaili Abdul Aziz and Dr. Maslinor Ismail

Back row from left: Mr. Abdul Hadi bin Tabrani (has left the department) and Associate Prof. Dr. Hazreen Abd. Majid

HEALTH POLICY AND MANAGEMENT

The adoption of a new curriculum for medical undergraduate studies at the University of Malaya has been implementing since 2013. Based on the curriculum of the Sydney University medical school, the new curriculum places higher emphasis on clinical teaching and also on the application of knowledge in the practical world. Students will need a good understanding of existing public policies in the various domains of health care as well as an understanding of the economic constraints to the provision of health care in a middle income country like Malaysia. Members of the Health Policy and Management Unit have contributed to the development and teaching of the new curriculum and it is anticipated that they will continue to provide significant contributions in the successive years.

At the postgraduate levels, the unit is continuing its efforts to incorporate elements of formulation, implementation and evaluation of health programmes and policies in existing and new modules. As post graduate courses, the Health Policy and Management Unit run the courses on Management in Health, Law and Health and Health Economics for Master in Public Health and Master in Medical Science in Public Health Courses. For Doctor in Public Health course, Human Resource Planning and Management, Health Policy and Leadership, Quality in Health and Health Economics module are provided by health policy and management Unit members and some external lecturers.

Academic Staff

- 1) A/Prof. Dr. Ng Chiu Wan
- 2) Prof. Dr. Maznah Dahlui
- 3) A/Prof. Dr. Tin Tin Su
- 4) A/Prof. Dr. Farizah Mohd Hairi

External lecturers

- 1) Dr. Saimy Ismail
- 2) Dr Chan Chee Khoon
- 3) Datin Dr Siti Haniza
- 4) Dato Dr Patrick Tan
- 5) Dr Indra Pathmanathan
- 6) Ms Fifa Rahman



*From left: A/Prof Dr. Tin Tin Su, Prof Dr. Maznah Dahlui & A/Prof Dr. Farizah Hairi.
A/Prof. Dr. Ng Chiu Wan (not in the picture)*

EPIDEMIOLOGY & BIOSTATISTICS

The Epidemiology and Biostatistics unit serves as a central role in the teaching program of the Social and Preventive Medicine Department. We were continuously involved in the teaching of Epidemiology and Biostatistics in both undergraduate and postgraduate candidates of the Faculty of Medicine. We also support the Faculty of Medicine Research Management Centre's research methodology and medical statistics clinic by providing consultation to post-graduate candidates, doctors, allied health practitioners and academic staff of the faculty. Mentoring of postgraduate students in their academic, research and professional development is another important activity outside the classroom.

Together with the Julius Centre University of Malaya (Centre of Clinical Epidemiology & Evidence Based Medicine), our unit runs many workshops and short courses such as the Systematic Review and Cochrane Review Workshops, Infectious Disease Modelling Workshop, Evidence-Based Practice (EBP) Courses, SPSS - Introduction, Regression Analysis, Survival Analysis, Basic Endnote etc. throughout the year. It was a very fruitful and hectic year for all of us!

In 2014, The Epidemiology and Biostatistics Unit welcomed a new academic staff, Associate Prof. Dr Sharmini Selvarajah who specializes in clinical epidemiology. We also welcome back Associate Professor Dr Sanjay Rampal from his PhD studies. Our unit now has grown stronger with 12 academic staff specializing in various sub-disciplines in epidemiology and statistics.

Unit Activities

Our unit contributes to the undergraduate teaching which mainly includes in Bachelor of Medicine and Surgery (MBBS), Bachelor of Biomedical Science (BBMS), and Bachelor of Nursing (B Nursing). For post-graduate programs, this unit plays a vital role in the Master of Public Health (MPH), Master of Medical Science in Public Health (MMedScPH) and Doctor of Public Health (DrPH). The Research Methodology module which is a compulsory module to be taken by all research candidates of the Faculty of Medicine is also jointly- conducted by our unit. There are more than 100 research candidates signing up for this module each year. Besides public health programs, our unit also teaches Epidemiology and Medical Statistics to Master students from Clinical Oncology, Nursing and Community Dentistry.

The list of the modules taught are as follows:

- 1) MBBS – Epidemiology & Statistics (Phase II), Clinical Epidemiology & Evidence Based Medicine (Phase IIIA)
- 2) MPH/MMedScPH – Principles & Methods of Epidemiology, Principles of Biostatistics, Research Methodology, Research Proposal Development, Epidemiology of Diseases in Malaysia, Producing Better Evidence, Qualitative Research in Public Health.

- 3) DrPH – Essentials of Epidemiology in Public Health, Research Protocol Development, Clinical Epidemiology, Analysis of Rates and Proportions.

The unit is involved actively in most of the activities organized under the Julius Centre University of Malaya. The unit has also recently actively provided support to the Faculty of Medicine's Research Management Center (RMC) by conducting research methodology and statistics workshops and providing free consultation to postgraduate candidates and faculty members.

Academic Staff

- 1) Professor Dr. Awang Bulgiba Awang Mahmud [Deputy Vice-Chancellor (Research & Innovation)]
- 2) Associate Professor Dr. Noran Naqiah Mohd Hairi
- 3) Associate Professor Dr. Sanjay Rampal
- 4) Associate Professor Dr Claire Choo Wan Yuen
- 5) Associate Professor Dr. Mas Ayu Said
- 6) Associate Professor Dr. Moy Foong Ming
- 7) Associate Professor Dr. Karuthan Chinna
- 8) Associate Professor Dr. Wong Li Ping
- 9) Associate Professor Dr. Nirmala Bhoo Pathy
- 10) Associate Professor Dr Sharmini Selvarajah
- 11) Dr. Rafdzah Ahmad Zaki
- 12) Dr. Abqariyah Yahya



From left: Dr. Rafdzah Ahmad Zaki, A/Prof. Nirmala Bhoo Pathy, A/Prof. Dr. Noran Naqiah Mohd Hairi, Prof. Dr. Awang Bulgiba Awang Mahmud, A/Prof Dr. Sanjay Rampal, A/Prof. Dr. Karuthan Chinna, A/Prof. Dr. Moy Foong Ming, A/Prof. Dr. Mas Ayu Said & A/Prof. Dr. Claire Choo Wan Yuen. Dr. Abqariyah Yahya (not in the picture).

RESEARCH CENTRES

JULIUS CENTRE UNIVERSITY OF MALAYA (CENTRE OF CLINICAL EPIDEMIOLOGY AND EVIDENCE BASED MEDICINE)



The Julius Centre University of Malaya (JCUM) was established in 2008 and is one of University of Malaya's research centre that has achieved recognition for its quality research. As a centre focused on epidemiology and evidenced based medicine we are committed in carrying out internationally recognized research.

Our aims are:

- 1) To carry out research in the field of epidemiology and evidence-based medicine
- 2) To develop the field of epidemiology and evidence-based medicine in Malaysia
- 3) To improve the quality of epidemiological and evidence-based medicine research in Malaysia
- 4) To develop training and activity development programmes in epidemiology and evidence-based medicine in the University of Malaya

Our strengths of JCUM lie in our expertise in epidemiology and research, medical statistics and evidence-based medicine domains. This is further strengthened with the centre's close links to its partners in the Australia, Vietnam, the United Kingdom, and Sweden.

In brief, this has been our achievements in past three years:

JCUM	2012	2013	2014
Publications	60 ISI papers	86 ISI papers	96 ISI papers
Workshops/Talks/Seminars	20	16	14

2014 Highlights – our activities

In 2014, JCUM's activities started off as early as in quarter one itself. JCUM was appointed as the UM Cochrane Network Site, and we held our Site Launch in March 2014. University Malaya together with four other network sites formed the Malaysian Cochrane Network. Activities that are carried out was and are still sponsored by the High Impact Research Grant entitled "Spatial Temporal Modelling and Meta-analysis (STeMM). We were then involved in the 2014 Faculty of Medicine Research Week, of which the SPM Department was given the task to organize. The theme for this 2014 FOM research week was "Public Health Research and Training". JCUM organized four events; two Systematic Review Workshops, one Practical Hands-on EndNote Workshop and jointly organized the Public Health Symposium.

2014 Highlights – our people

Professor Awang Bulgiba, former Head of JCUM received the Johan Bintang Kenyalang from the Sarawak State Government. Associate Professor Dr Noran N Hairi (outgoing Head JCUM) and Associate Professor Dr Maznah Dahlui (SPM Head of Department) both received the Fellowship of the Faculty of Public Health (FPH), through distinction, Faculty of Public Health, United Kingdom. JCUM current Head, Associate Professor Dr Sanjay Rampal received the University of Malaya Excellence Award for PhD Candidate with highest impact publications.

Congratulations to all, 2014 was indeed a great year for us all!

2014 Highlights – research and training

JCUM successfully secured one additional large grant – the University of Malaya Grand Challenge (GC) and one international grant. A total of 14 workshops, seminars and lunch talks were held this year.

Research Projects:

Since its inception JCUM has accumulated a total of more than 50 small research grants, two High Impact Research Grants; one University of Malaya Grand Challenge, two UMRG Programmes and one International Grant.

A) University of Malaya Grand Challenge

Prevent Elder Abuse and neglect initiative – PEACE

Investigators	Associate Prof Noran Naqiah Hairi Associate Prof Claire Choo Wan Yuen Associate Prof Farizah Hairi Associate Prof Sajaratulnisah Othman Associate Prof Siti Zaharah Prof Awang Bulgiba Awang Mahmud Ms Devi Peramalah + 11 others
Funding agency	University of Malaya
Grant	UM Grand Challenge
Reference Number	GC001-14HTM
Amount	RM 2.7 million
Period	Sept 2014 – Sept 2019

Prevent Elder Abuse and Neglect Initiative (PEACE) is a five-package research program which attempts to strategically advance elder abuse and neglect research and services through a statewide effort. The PEACE program employs a coordinated multistep approach involving various stakeholders (such as Ministry of Health, Department of Social Welfare, community, etc.) in the aim to build partnerships, fostering community empowerment and promoting social protection for the elderly population. Elder abuse and neglect (EAN), also known as elder mistreatment or elder maltreatment, includes psychological, physical, and sexual abuse, neglect, and financial exploitation. The Prevent Elder Abuse and neglect initiative (PEACE) addresses empirical and practical significance. This new Initiative reflected our desire to better prepare the community to address the inevitable societal changes brought about by an aging population. This initiative focuses exclusively

to protect elder abuse rights, re-orientate and empowering the community to be actively engaged in elderly issues, and support independent living among the elderly. This initiative addresses four main areas; examine the magnitude, risk factors and consequences of EAN, investigate the role of social capital and caregiver strain in preventing EAN, developing provision of education and training to service providers providing direct service delivery to elderly, support and train family caregivers who provide care for elderly and protecting elderly against elder abuse and neglect by identifying the existing laws and understanding as well as refining these laws. This Initiative is in line with Malaysia's National Health Policy for Older Persons (2008) and National Policy for Older Persons (2011) which emphasize the formulation of strategies that safeguard elderly safety and protection, promotion and advocacy of elderly issues, encourage lifelong learning among elderly, community's active participation and intergenerational solidarity, and encourage strong governance and shared responsibility among stakeholders.

B) High Impact Research Grant

1. The STeMM Programme

STeMM – Spatio-Temporal Modelling and Meta analysis

Investigators	Prof Awang Bulgiba Awang Mahmud Associate Prof Noran Naqiah Hairi Associate Prof Karuthan Chinna Associate Professor Moy Foong Ming +19 others
Funding agency	Ministry of Higher Education Malaysia
Grant	MOHE-UM High Impact Research (HIR) Grant
Reference Number	E000010-20001
Amount	RM 3.3 million
Period	July 2011 – December 2015

The STeMM Programme is a 4-package research programme that attempts to develop spatio-temporal models for infectious, cardiovascular-related and ageing-related diseases in Malaysia as well as to perform and provide meta-analysis on these diseases in Malaysia. With data drawn from various sources, including the Meteorological Department, national registries, hospitals and the

community, researchers are creating models using the STEM, Stata, SPSS and other software. It is hoped that this programme will result in a better understanding of the dynamics of infectious disease spread as well as factors related to the changing patterns, dynamics and related factors of cardiovascular and ageing-related diseases in Malaysia. This will enable better preparedness for outbreaks as well as formulation of public health policies in Malaysia and has the potential to result in the modification of policies, Clinical Practice Guidelines, development of new risk scores for cardiovascular-related diseases and disorders, Public Health data sharing with neighboring countries to fight infectious diseases and the establishment of the first Cochrane Network in Malaysia. STeMM has also developed a long-term collaboration and working relationship with the Negeri Sembilan State Health Department with its research projects as well as the training and services provided to the health department staff in ageing-related illnesses. To date, STeMM has produced 31 Q1 ISI publications, 3 Cochrane Protocols, 2 chapters in books, graduated 3 doctoral students and provided employment for 5 research assistants. Seven post-graduate students are still benefitting from the programme. Another important product of STeMM is the formation of the Malaysian Cochrane Network with local universities (including UM) and the Ministry of Health is partnering together as a part of the Australasian Cochrane Network.

2. The CLUSTER Programme

Clustering of Lifestyle Risk Factors and Understanding Its Association with Stress on Health and Wellbeing Among School Teachers In Malaysia

Investigators	Associate Professor Moy Foong Ming Prof Awang Bulgiba Awang Mahmud Associate Prof Noran Naqiah Hairi Associate Prof Victor Hoe Chee Wai Abdullah Professor David Koh (National University of Singapore), Dr Petra Wak (Imperial College, London, UK) Dr Brian Buckley (University of Ireland) Professor H.B(as). Bueno-de-Mesquita, University Medical Centre, Utrecht, The Netherlands (Academic Icon)
Funding agency	Ministry of Higher Education Malaysia
Grant	MOHE-UM High Impact Research (HIR) Grant
Reference Number	H20001-00-E000069

Amount RM 1.5 million

Period 2013 - 2015

In Malaysia, teachers make up a large working population. As chronic diseases and stress are increasing, it is timely to find out their health and wellbeing as well as their lifestyle risk factors and stress levels. A better insight in the clustering of lifestyle risk factors and their associations with stress could help to identify which groups of teachers are at the greatest risk of developing cardiovascular diseases. Such data may guide both clinical and health policy decision making as well as health promotion approaches to improve their health and wellbeing. This is also the first study conducted on the teachers' health and wellbeing in Malaysia. The objectives of this study are to extensively survey teachers in Malaysia with respect to clustering of lifestyle risk factors and stress related to health and wellbeing, and subsequently, to follow-up the population for important health outcomes in cardiovascular diseases. A total of 10,000 secondary school teachers is expected to be recruited from 6 states from Peninsular Malaysia. Baseline data in socio-demographic characteristics, lifestyle behavior (physical activity, diet, smoking and stress), health related quality of life, work related questions, anthropometric measurements, blood pressure, clinical indicators such as full lipid profile, fasting blood glucose, renal profile, vitamin D, parathyroid hormone etc will be collected. Additional blood samples will be collected and stored in biobank. Participants will be followed up every two years for outcomes such as diabetes mellitus, hypertension, heart disease etc. The causality between exposure and outcome will be established through cross sectional and prospective data. This study will enlighten us on the interaction between environment, stress and clustering of lifestyle risk factors on health and wellbeing, and give us insight into the importance and direction of future preventative actions.

3. University Malaya Breast Cancer Project (Clinical Epidemiology Track)

Breast cancer comprises 23% of all female cancers, making it by far the most common female malignancy worldwide, and also in Malaysia. In contrast to the West, where breast cancer incidence rates have stabilized or even decreased, the incidence of breast cancer has escalated in most Asian countries over the past two decades. As a result, the burden of breast cancer is increasing in Asia.

However, little is known regarding the presentation, management and outcome of breast cancer among multi-ethnic Asian women as there seems to be a paucity of high-quality breast cancer data with sufficiently long follow-up in Asian settings. Moreover, extending breast cancer research into Asia is very important because there are numerous indications that western based knowledge on breast cancer etiology, diagnosis, prognosis, and treatment cannot simply be transferred to Asian populations. Asian ethnicities, genetic backgrounds, lifestyles, diets, cultures, health beliefs, and even life expectancies are substantially different from those of western women, and each of these may play a distinct role in breast cancer incidence, prognosis and treatment. Health care systems are also different in Asia whereby resources are limited, thus requiring adapted approaches towards preventive strategies and treatment of breast cancer. It is such considerations that are currently widely recognized to constitute an important knowledge gap in breast cancer research, and most of our current work are aimed at narrowing this gap. Besides the clinical epidemiology track, our research has also focused on genetic aspects of breast cancer, clinical trials in breast cancer, breast cancer survivorship, as well as triple

negative breast cancer.

Principal Investigator	Professor Nur Aishah Taib
Lead of clinical epidemiology track	Associate Prof Nirmala Bhoo Pathy
Lead of genetics track	Adjunct Prof Teo Soo Hwang
Lead of clinical trial track	Associate Prof Ho Gwo Fuang
Lead of triple negative breast cancer	Prof Looi Lai Meng
Funding agency	Ministry of Higher Education Malaysia
Grant	MOHE-UM High Impact Research (HIR) Grant
Reference Number	UM.0000015/HIR.C1
Amount	RM 17.5 million
Period	2011 - 2016

C) University of Malaya Research Grant Programme

1. Monitoring and Preventing Dengue Program Malaysia (MoP dengue Program Malaysia)

Investigators	Dr Rafdzah Ahmad Zaki Associate Prof Shamini Selvarajah Dr Abqariah Yahya Associate Prof Karuthan Chinna
Funding agency	University of Malaya
Grant	UMRG Programme
Reference Number	RP 034 – 15 HTM

Amount	RM 200,000.00
Period	February – December 2017

2. The HELP project

Health promotion, Education and Lifestyle intervention in special population Programme (HELP)

Investigators	Associate Prof Noran Naqiah Hairi
	Associate Prof Claire Choo Wan Yuen
	Associate Professor Mas Ayu Said
	Associate Professor Moy Foong Ming
	Prof Awang Bulgiba Awang Mahmud
	Associate Prof Victor Hoe Chee Wai Abdullah
	Associate Professor Farizah Hairi
	Associate Professor Sajaratulnisah Othman
	Dr Ng Chong Guan
	Ms Devi Peramalah
	Professor Robert Cumming (The University of Sydney)
Funding agency	University of Malaya
Grant	UMRG Program
Reference Number	RP001-13HTM
Amount	RM 500,000.00
Period	2013 – 2015

Health promotion is the intervention designed to improve one's health. Studies have shown that health programs are most successful when the program "fits" the population of interest. Thus, programs need to be tailored towards our own population. The Health promotion, Education and Lifestyle Intervention in special Population (HELP) is a four-package research program which attempts to educate study participants to take preventive measures to avert the onset or worsening

of a condition as well as adopting healthier lifestyles. The four subprojects under the HELP program will target the urban poor, school teachers, health care workers and school children.

Subproject 1: Health promotion, Education and Lifestyle intervention to improve physical function and maintain independent living among urban poor older people.

Poor physical function among older people is commonly defined as a restriction in the ability to perform normal activities of daily living. Reduction in physical function can lead to loss of independence. While many wellness and health promotion education intervention studies on physical function and have been conducted in developed countries, similar intervention is very scarce in developing countries like Malaysia.

Subproject 2: Stress Management Intervention among secondary school teachers with stress

Teachers are one of the largest work cohort globally as well as in Malaysia. High levels of stress in teachers are related to poor health, lower job satisfaction, higher rates of absenteeism and possibly an increased desire to leave the profession. The existence of occupational stress in the teaching profession, and the associated economic and consequences, suggest there is a need to develop suitable interventions to promote well-being, reduce the occurrence and consequences of stress.

Subproject 3: Effect of education on knowledge and management of elder abuse among health care workers.

Abuse among the elderly has yet to be studied extensively in this region, including Malaysia. Perhaps this is due to the Asian culture of keeping things under wraps, especially shameful phenomena as filial piety is greatly valued and abuse would be embarrassing. This also leads to lack of familiarity with protocols when managing abuse in the health care settings.

Subproject 4: Wellness for Education Intervention among school children with metabolic syndrome

The prevalence of metabolic syndrome (MetS) increases as the degree of obesity increases. Interventions towards combating metabolic syndrome issues are very scarce in developing countries. There is a need to develop interventions in order to overcome the metabolic syndrome among children and adolescent.

D) International Grants

Enhancing research capacity and competence for the development of an early warning of dengue, a climate sensitive vector-borne disease

Investigators	Dr Rafdzah Ahmad Zaki Yien Ling, Hii (Umea University) Joacim Rocklov (Umea University) Lars Lindholm (Umea University) Francisco Hernandez (Umea University) Prof Awang Bulgiba Awang Mahmud Associate Prof Dr Noran N Hairi Associate Prof Dr Ng Chiu Wan
Funding agency	Vetenskapsradet, Swedden
Grant	Swedish Research Council Swedish Research Links – collaboration between Sweden and Malaysia
Reference Number	2014-4040
Amount	KR 750, 000
Period	Nov 2014 – December 2017

E) Long-term Research Grant Scheme – LRGS

Knowledge, beliefs, and practices (KBPs) related to dengue fever

Investigators: Assoc. Prof. Dr Wong Li Ping

Prof Dr Sazaly Bin Abu Bakar

Funding agency: Ministry of Higher Education

Grant: LRGS

Reference number: (LRGS) 2011 FASA 1I2O1I

Amount: RM 219,360.00

Period: 2011-2014

The aims of this study are to determine 1) knowledge, beliefs, practices (KBPs), experience, and perceived susceptibility and severity of dengue fever 2) to assess associations among knowledge, beliefs, practices (KBPs), experience, and perceived susceptibility and severity of dengue fever 3) to identify predictive factors for knowledge, beliefs, practices (KBPs), experience, and perceived susceptibility and severity of dengue fever. Study population are 1) lay public 2) Orang Asli. Assessment of knowledge, beliefs and practices (KAPs), and perceived susceptibility and severity of dengue fever among the general lay public, patients, and Orang Asli communities may identify its shortcomings, hence inform community-oriented programs. Identification of predictive factors may help inform interventions to target at specific segments of the populations. The results of this study can be used as guidelines for health workers in the training and promotion of community preventive behaviors in the formulation of administrative policies and programs defined as reducing the incidence of dengue fever for general Malaysian public and Orang Asli populations.

F) Other grants

1. The Epidemiology of Elder Abuse in Malaysia

Investigators: Associate Professor Dr. Noran N Hairi

Associate Professor Dr. Claire Choo

Associate Professor Dr. Sajaratulnisah Othman

Dr. Rajini Sooryanarayana

Funding agency: University of Malaya

Grant: UMRG/RG397/712 HTM

Period: 5th March 2012 -March 2014

Victimization of older people takes many forms and extends across a continuum of behaviors. On one extreme of this continuum is the neglect of older adults, whether self-neglect or inattention to an elder's needs by others. On the other extreme would be the active physical abuse and exploitation. Somewhere in between lies purposeful neglect design to injure or coerce that are also called as mistreatment. The aims of this study is fourfold, firstly, to undertake a detailed review of the definition and measurements used to measure elder abuse, secondly, to conduct a community survey to describe the distribution and determinants of elder abuse in our community, thirdly, to conduct a series of in-depth interviews with older people who have experience or encountered abuse or neglect in order to explore issues around impact, resilience and coping mechanism and barriers to reporting, and fourthly, to conduct a review on interventions for preventing abuse and neglect in the elderly. The study is hoped to describe the distributions and determinants of elder abuse in our community and suggest ways of preventing abuse. This could then aid policy makers and health care providers in establishing better health care services for the elderly and putting right what may be wrong with a system that may not identify their needs correctly. The project is funding research by one DrPH candidate (Dr. Rajini Sooryanarayana).

2. Enhancing Communication and Intervention Skills on Elder Abuse Through Health Innovation

Investigators: Associate Professor Dr. Claire Choo Wan Yuen
Associate Professor Dr. Noran N Hairi
Associate Professor Dr. Sajaratulnisah Othman
Associate Professor Dr. Tan Maw Pin

Funding agency: University of Malaya

Grant: UMRG/RG468/12HTM

Period: 8th November 2012 - 2014

This study aims to develop and assess the effectiveness of educational intervention (face-to-face teaching vs interactive e-learning programme) among healthcare providers, specifically nurses and primary care physicians in improving knowledge and detection of suspected elder abuse. Specific objectives include exploring the health care providers views and understanding about elder abuse, their barriers on reporting, needs and expectations of the intervention programme, reviewing the previous studies and determine the effectiveness of educational prevention interventions among professionals. A systematic review will be conducted, if necessary, developing and evaluating the effectiveness of the educational intervention among nurses and primary care physicians in improving knowledge and detection of suspected elder abuse. This includes: i) to determine the acceptability and feasibility in implementing the intervention among healthcare providers ii) to provide preliminary data on the effectiveness of the educational

intervention in improving knowledge and detection of suspected elder abuse. In this proposed study, we will test our hypothesis that an educational intervention would improve the knowledge and the detection and management of suspected elder abuse among nurses and primary care physicians compared to controls. Secondly, there is no difference between knowledge and detection rate among health care providers who undergo face-to-face teaching workshop or e-learning programme. We will measure the professionals knowledge, actual practice in asking about and detecting abuse as an outcome, and will interview participants again about three and six months after the intervention.

3. Exploring frailty among community dwelling elderly in Negeri Sembilan: An investigation using a population based study

Investigators: Associate Professor Farizah Hairi
Associate Professor Dr. Noran N Hairi
Associate Professor Dr. Claire Choo Wan Yuen

Funding agency: University of Malaya
Grant: UMRG/RG461/12HTM
Period: 31st October 2012 - 2014

Malaysia is growing into an aging population. It is estimated that by 2020 the elderly population will be more than 7% of the total population. By 2020, every 10 productive individuals in the country aged 15-64 years will have at least one elderly parent or relative to care of. Geriatric syndrome will be a major public health problem among the elderly. Geriatric Syndromes are groups of specific signs and symptoms that occur more often in the elderly and can impact patient morbidity and mortality. Geriatric syndromes such as delirium, falls, incontinence and frailty are some common health conditions among elderly around the world. Although many studies have been conducted worldwide, local studies are still scarce. This proposed study will focus on examining frailty among the elderly. The geriatric concept of frailty is of particular interest because frailty is likely to be a precursor of disability and may be reversible in its early stages. Fried and colleagues identified frailty as predictive of adverse outcomes such as falls and fractures, mobility and functional declines, hospitalizations, nursing home admissions, and death. The prevalence of frailty has mainly been estimated in Northern America and Europe. The population of Malaysia could experience different levels of frailty due to cultural, regional, or political distinctions. Understanding the distribution and the determinants of frailty will be useful to summarize health and the needs for prevention in middle-aged and older populations.

4. The Effect of Vitamin D Supplementation on Cardiometabolic Risk & Quality of Life in Premenopausal Malay Women: A Randomized Controlled Trial

Investigators: Assoc. Prof. Dr Moy Foong Ming
Dr Mazliza Ramli

Funding agency: University of Malaya

Grant: Postgraduate Research Fund (PPP)

Reference number: PV080/2012A

Amount: RM68,600

Period: Jan 2012 – Dec 2014

Besides its classical role in musculoskeletal diseases, vitamin D deficiency has been found to be associated with cardiometabolic risks such as hypertension, diabetes mellitus and hypercholesterolemia. However, there are limited clinical trials carried out globally that establish the causality of vitamin D and cardiometabolic risks. Therefore, a double blind, parallel, randomized controlled trial on vitamin D and cardiometabolic risks is planned to be carried out. The objective of our study is to investigate if vitamin D supplements can reduce the cardiometabolic risk and improve the quality of life in urban premenopausal Malay women with vitamin D deficiency

Workshops, Short Courses, Meetings held in 2014

No	Title	Date
1.	Data Management and Statistical Analysis Using SPSS	11-12 th February
2.	Developing a Protocol for Cochrane Systematic Review Workshop	3 – 6 th March
3.	Cochrane Review Completion Workshop	4 – 6 th March
4.	NVivo Introductory Workshop	7 th March
5.	Basic EndNote Workshop	27 th March
6.	Systematic Reviews: Considering their application for evidenced informed public health practice	28 th March
7.	Preparing a Systematic Literature Review	28 th March
8.	Multivariate Data analysis Workshop	28 th – 29 th April
9.	Basic EndNote Workshop	29 th May
10.	Workshop on Developing and Validating Questionnaires	16 th June
11.	Workshop on Validating Questionnaires	26 th June
12.	EndNote Introductory Workshops	10 th July
13.	A practical Short Course on Infectious Disease Modelling	21-23 rd July
14.	Workshop on Regression Analysis	3-4 th August

List of publications by JCUM members, 2014

No	Publication
1	Amiri, M., H. Majid, F. Hairi, N. Thangiah, A. Bulgiba and T. Su (2014). "Prevalence and determinants of cardiovascular disease risk factors among the residents of urban community housing projects in Malaysia." <u>BMC Public Health</u> 14 Suppl 3: S3.
2	Apalasy, Y. D., et al. (2014). "Genetic associations of the INSIG2 rs7566605 polymorphism with obesity-related metabolic traits in Malaysian Malays." <u>Genet Mol Res</u> 13(3): 4904-4910.
3	Apalasy, Y. D., et al. (2014). "Association of ADIPOQ gene with obesity and adiponectin levels in Malaysian Malays." <u>Mol Biol Rep</u> 41(5): 2917-2921.
4	Moy, F. M., et al. (2014). "Cohort study on clustering of lifestyle risk factors and understanding its association with stress on health and wellbeing among school teachers in Malaysia (CLUSTer)--a study protocol." <u>BMC Public Health</u> 14: 611.(Moy, Hoe et al. 2014)
5	Su, A. T., et al. (2014). "A cross sectional study on hand-arm vibration syndrome among a group of tree fellers in a tropical environment." <u>Ind Health</u> 52(4): 367-376.(Su, Maeda et al. 2014)
6	Su, T., et al. (2014). "The effectiveness of a life style modification and peer support home blood pressure monitoring in control of hypertension: protocol for a cluster randomized controlled trial." <u>BMC Public Health</u> 14 Suppl 3: S4.
7	Mohamed Zaki, L. R. and N. N. Hairi (2014). "Chronic pain and pattern of health care utilization among Malaysian elderly population: National Health and Morbidity Survey III (NHMS III, 2006)." <u>Maturitas</u> 79(4): 435-441.
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11	Rajini Sooryanarayana, Choo WY, Noran N Hairi, Karuthan Chinna, Awang Bulgiba. Insight into elder abuse among urban poor of Kuala Lumpur, Malaysia - a middle income developing country. Journal of the American Geriatrics Society. 2014 (Accepted)

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Members

(List of academic staff- internal membership)

Name	Department	Membership type
Prof. Dr. Awang Bulgiba Awang Mahmud	SPM	Full Member
Assoc. Prof. Dr. Noran Naqiah Mohd Hairi	SPM	Full Member
Assoc. Prof. Dr. Maznah Dahlui	SPM	Full Member
Assoc. Prof. Dr. Sanjay Rampal	SPM	Full Member
Assoc. Prof. Dr. Wong Yut Lin	SPM	Full Member
Assoc. Prof. Dr. Wong Li Ping	SPM	Full Member
Assoc. Prof. Dr. Ng Chiu Wan	SPM	Full Member
Assoc. Prof. Dr. Moy Foong Ming	SPM	Full Member
Assoc. Prof. Dr. Claire Choo Wan Yuen	SPM	Full Member
Assoc. Prof. Dr. Mas Ayu Said	SPM	Full Member
Assoc Prof Dr. Nirmala Bhoopathy	SPM	Full Member
Assoc Prof Dr. Sharmini Selavarajah	SPM	Full Member
Dr. Rafdzah Ahmad Zaki	SPM	Full Member
Dr Abqariah Yahya	SPM	Full Member

Activities 2014

Launch of UM Cochrane Network Site - 3rd March 2014; TJ Danaraj Auditorium, University of Malaya

The Malaysian Cochrane Network was officially formed as a branch of the Australasian Cochrane Centre in September 2013. The Malaysian Cochrane Network is made up of five network sites based in various institutions across Malaysia (Julius Centre University of Malaya, Penang Medical College, University Sains Malaysia, Institute of Medical Research and Melaka Manipal Medical College).

Julius Centre University of Malaya has been appointed as the UM Cochrane Network site. The roles of the network sites are to support and expand Cochrane activities in the University of Malaya and forming linkages and partnerships with institutions around UM.



The Launching of the University Malaya Cochrane Network Site was held on the 3rd March 2014.

Community and Society Engagement Project – 5th August, 2014; Kanmpung Jijan, Nilai Negeri Sembilan – by Madam Lee Pek Ling



On 5th August 2014, the Julius Centre University of Malaya participated in the 'Launching of the National Blue Ocean Strategy (NBOS), Negeri Sembilan. The purposes of this event were to increase older people's awareness of the effects of lifestyle on health; enable them to assess which lifestyle changes would be most conducive to their health and to stimulate information-seeking behavior. Five main JCUM projects were highlighted during the campaign. These projects include "Peningkatan Kualiti Hidup Penjaga Warga Emas", "Memperkasakan Pengetahuan Penjagaan Warga Emas di Kalangan Pegawai Perubatan", "Memperkukuhkan Pengetahuan Mengenai Penjagaan Warga Emas di Kalangan Paramedik", "Keharmonian Keluarga Mengatasi Masalah Pengabaian dan Penganiayaan Warge Emas" and "Keupayaan Fizikal Dan Kecergasan Warga Emas".

The following JCUM members, namely A/P Dr. Noran Naqiah Mohd Hairi, A/P. Dr. Farizah Mohd Hairi, A/P. Claire Choo Wan Yuen, Dr Rajini Sooryanarayana, Dr. Norliana Ismail, Dr. Sharifah Norsuhaida bt Syed Abdul Karim, Ms Devi Peramalah, Ms Shathanapriya Kandiben, En. Mohd Fairz bin Madzlan, En. Mohd Alif Idham Bin Ahd Hamid and Mdm Lee Pek Ling participated in the grand event.

Such health campaigns offer great potential to raise awareness and understanding about older people's health issues and mobilize support for action, from the local community to the national level.



JCUM Support Staff

Devi Peramalah (Research Officer)
Lee Pek Ling (Research Assistant)
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CENTRE FOR POPULATION HEALTH

Introduction

Centre for Population Health (CePH) was officially launched by the Vice Chancellor of University of Malaya (UM) on the 18th February 2009. The vision of the CePH is to become a research centre of excellence which will contribute to evidence based health policy formulation for promoting population health and improving the quality of life of the society. A Memorandum of Understanding between UM and the Queen's University in Belfast, United Kingdom was signed during the launching.

CePH falls under the umbrella of the Health and Translational Medicine Cluster headed by Professor Dr Noor Hayaty Abu Kasim of University Malaya. Associate Professor Nabilla Al-Sadat Abdul Mohsein was appointed as the first head of the centre. Currently, CePH is spearheaded by Associate Professor Dr Tin Tin Su and has a total number of 14 strong members contributing to its' performance through publications and networking.

In line with the department's vision to transform itself into a school of Public Health in the near future, CePH will spearhead the direction of the School to become a premier institution excelling in population and global health issues and research. CePH *also aims at* undertaking a broad spectrum of work, ranging from research that helps to better understand the priority diseases and their associations to lifestyles and behaviours on health related environmental issues to health systems oriented research that directly influences health policy.

UM has given strong support in terms of financial and human resources worth RM 2 million in renovation of the centre and RM 275,000 in start-up costs. Collaborations with the Queen's University Belfast benefited the centre through sharing of knowledge via workshops, post-doctoral appointments and split-side PhD's. Other collaborations are with the University of Leeds, University of Cambridge, La Trobe University, Monash University, Deakin University, Virginia Tech USA, Taipei Medical University, several local universities and the Ministry of Health Malaysia. The centre also boasts of a ready pool of 10-15 DrPH students per year to conduct research of doctoral quality all under the purview of the members of the centre who come from various disciplines and expertise such as public health, health policy analyst, family health, health economics and statistical analysis expertise. Among the three main projects conducted under the centre are the PARTNER's (Participatory Action Research Through Negotiation and Empowerment of the Residents) HTMC Flagship project, the MyHeARTs (Risk Factors For Chronic Non-Communicable Diseases Among Adolescents) and the MyBCC (Malaysian Breast Cancer Survivorship Cohort) study.

Among the focused areas of collaboration are:

Cancer research enhancement initiative

- 1) Breast Cancer Survival/Survivorship (MyBCC)
- 2) Population Based Cancer Awareness Measurement

Risk Factors for Chronic Non-Communicable Diseases among Adolescents (MyHeARTs)

To aid the national planners in the development of effective programmes in combating common chronic diseases such as Diabetes and CHD

Evidence Based Health Policy

To contribute data necessary for planning to improve health system performance in Malaysia

- 1) PARTNER – Participatory Action Research Through Negotiation and Empowerment of the Residents
- 2) Health equity and healthcare financing
- 3) Social Determinants of health

Research Projects

No	Project Title	Source	Recipient	Amount
1	Acceptability and feasibility of self-sampling for HPV-DNA testing among Malaysian women	UMRG	Associate Professor Dr Tin Tin Su / Assoc Prof. Wong Yut Lin	43,800.00
2	Measuring cancer awareness and health literacy in Malaysia	UMRG	Associate Professor Dr Tin Tin Su	116,500.00
3	The economic Cost of Various Stages of Colorectal Cancer Treatment in A Tertiary Hospital in Malaysia	PPP	Associate Professor Dr Tin Tin Su	13,000.00
4	Economic Costs Of Preterm Birth During Initial Hospitalization: Care Provider	PPP	Associate Professor Dr Tin Tin Su	3,180.00

	And Family Perspectives			
5	PARTNER : Participatory Action Research Through Negotiation and Empowerment of the Residents	HTMC Flagship Project	Associate Professor Dr Tin Tin Su/Dr Hazreen Abdul Majid	1,221,000.00
6	UM-QUB Collaborations Budget	VC's Special Fund	Associate Professor Dr Tin Tin Su/Associate Professor Dr Nabilla Al-Sadat Abdul Mohsein/Dr Hazreen Abdul Majid	554,841.00
7	Socio-economic inequality in presence of cardiovascular risk among adolescents	UMRG	Associate Professor Dr Tin Tin Su/ Associate Professor Dr Muhammad Yazid Jalaluddin	92,500.00
8	Review Of Policy Towards Healthy Lifestyles	UMRG	Associate Professor Dr Tin Tin Su	85,000.00
9	Variation in Habitual Physical Activity and Eating Pattern of Adolescents during exam year	UMRG	Dr Hazreen Abdul Majid	124,300.00
10	Risk Factors for Vitamin D Deficiency in Malaysian Adults	UMRG	Dr Hazreen Abdul Majid	153,100.00
11	Fermentable, Oligo-, Di-, Mono-saccharides and Polyols (FODMAP), Diarrhea and The Colonic Microbiota in Enteral Nutrition, Principal Investigator(PI), 30/10/2013, Postgraduate Research Grant (PPP) - Research, 29/10/2015	PPP	Dr Hazreen Abdul Majid	10,000.00
12	Risk Factors for Chronic Non-Communicable Disease Among Adolescents- Malaysian Health and Adolescents Longitudinal Research Team Study	UMRG	Dr Hazreen Abdul Majid	300,000.00

13	Prevalence of internet addiction, and its effect on physical health, psycho-social wellbeing and educational performance among adolescent	UMRG	Associate Professor Dr Nabilla Al-Sadat Abdul	22,600.00
14	Understanding the root of HIV/AIDS related stigma and discrimination : Nationwide computer assisted telephone interview (CATI) survey	Science Fund	Associate Professor Dr Wong Li Ping	75,100.00
15	Knowledge, attitude and behaviour on reproductive health, sexuality and contraception among multiethnic young Malaysian women	HIR Grant	Associate Professor Dr Wong Li Ping	53,800.00
16	Study of Malaysian public's responses to the onset of outbreak of the influenza A(H1N1)	PJP	Associate Professor Dr Wong Li Ping	28,700.00
17	Delays in Diagnosis and Treatment of Breast Cancer: Psychosocial and Cultural factors. Cancer Research Network between Leeds (UK), Middle East (ME) and Southeast Asia (SEA), Co-Investigator	University of Leeds/WUN grant	Associate Professor Dr. Maznah Dahlui	100,000.00
18	Economic Evaluation of Breast Cancer Treatment - CEA for Early and late stage Breast Cancer	HIR Grant	Associate Professor Dr. Maznah Dahlui	50000

Research Publications

No Publication 2014

- 1 Su TT, Amiri M, Mohd Hairi F, Thangiah N, Bulgiba A, Majid HA (2015). Prediction of cardiovascular disease risk among low-income urban dwellers in Metropolitan Kuala Lumpur, Malaysia. *Biomed Res Int.* 2015;2015:516984. doi: 10.1155/2015/516984. Epub 2015 Mar 2. (*ISI-Cited Publication*)
- 2 Chow Sze Loon, Anselm Su Ting, Tin Tin Su. Development of Conceptual Framework to Understand Factors Associated with Return to Work among Cancer Survivors: A Systematic Review. *Iranian Journal of Public Health* (*ISI-Cited Publication*)
- 3 Sim PY, Su TT, Majid HA, Nahar AM, Jalaludin MY (2014) A comparison study of portable foot-to-foot bioelectrical impedance scale to measure body fat percentage in Asian adults and children. *BioMed Research International*. <http://dx.doi.org/10.1155/2014/475659> (*ISI-Cited Publication*)
- 4 Hazreen M, Su T, Jalaludin M, Dahlui M, Chinna K, Ismail M, Murray L, Cantwell M, Sadat N; MyHeART Study Group (2014) An exploratory study on risk factors for chronic non-communicable diseases among adolescents in Malaysia: overview of the Malaysian Health and Adolescents Longitudinal Research Team study (The MyHeART study). *BMC Public Health*. 2014 Nov 24;14 Suppl 3:S6. doi: 10.1186 (*ISI-Cited Publication*)
- 5 Jaafar N, Hakim H, MohdNor NA, Mohamed A, Saub R, Esa R, Doss J, Yusof ZY, Ab-Murat N, Abu Kassim NL, Majid H, Tin-Su T. (2014) Is the burden of oral diseases higher in urban disadvantaged, community compared to the national prevalence? *BMC Public Health* 14 (Suppl 3): S2 (*ISI/SCOPUS Cited Publication*)
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- 7 AA Fadzlina¹, Fatimah Harun¹, MY Nurul Haniza², Nabilla Al Sadat², Liam Murray³, Marie M Cantwell³, Tin Tin Su², Hazreen Abdul Majid², Muhammad Yazid Jalaludin¹ *Metabolic syndrome among 13 year old adolescents: prevalence and risk factors (*ISI-Cited Publication*)
- 8 Su, T. T., Sim, P. Y., Nahar, A. M., Majid, H. A., Murray, L. J., Cantwell, M. M., AL-Sadat, N. & Jalaludin, M. Y. 2014. Association between self- reported physical activity and indicators of body composition in Malaysian adolescents. *Preventive Medicine* (in press) (*ISI-Cited Publication*)
- 9 Su T, Majid H, Nahar A, Azizan N, Hairi F, Thangiah N, Dahlui M, Bulgiba A, Murray LJ (2014) The effectiveness of a life style modification and peer support home blood pressure monitoring in control of hypertension: protocol for a cluster randomized controlled trial. *BMC Public Health*. 14 Suppl 3:S4 (*ISI-Cited Publication*)

- 10 Amiri M, Majid H, Hairi F, Thangiah N, Bulgiba A, Su T. (2014) Prevalence and determinants of cardiovascular disease risk factors among the residents of urban community housing projects in Malaysia. BMC Public Health. 2014 Nov 24;14 Suppl 3:S3. doi: 10.1186/1471-2458-14-S3-S3. Epub 2014 Nov 24. *(ISI-Cited Publication)*
- 11 Islam T, Dahlui M, Majid H, Nahar A, Mohd Taib N, Su T; MyBCC study group (2014) Factors associated with return to work of breast cancer survivors: a systematic review. BMC Public Health. 2014 Nov 24;14 Suppl 3:S8. *(ISI-Cited Publication)*
- 12 Wong L, Atefi N, Majid H, Su T (2014) Prevalence of pregnancy experiences and contraceptive knowledge among single adults in a low socio- economic suburban community in Kuala Lumpur, Malaysia. BMC Public Health. 2014 Nov 24;14 Suppl 3:S1. doi: 10.1186/1471-2458-14-S3- S1. *(ISI-Cited Publication)*
- 13 Meram Azzani, April Camilla Roslani, Tin Tin Su. 2014.The perceived cancer related financial hardship among patients and their families: systematic review. Supportive Care in Cancer. DOI:10.1007/s00520-014- 2474-y *(ISI-Cited Publication)*
- 14 Sareh Dashti,H. Leonard Joseph,Ali Jafarzadeh Esfehani, Tin Tin Su, Latiffah Abd. Latiff, Reza Jafarzadeh Esfehani. 2014. Perceived Barriers to Physical Activity among Iranian Women. World Applied Sciences Journal 32 (3): 422-428. *(ISI-Cited Publication)*
- 15 Sareh Dashti, Tin Tin Su, Ali Jafarzadeh Esfehani, Reza Jafarzadeh Esfehani (2014) Effect of Physical Activity Level on Emotional Status of Iranian Women. World Applied Sciences Journal 30 (7): 852-857 *(ISI-Cited Publication)*
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- 18 Majid HA, Cole J, Emery P, Whelan K (2014) Additional oligofructose/inulin does not increase faecal bifidobacteria in critically ill patients receiving enteral nutrition: A randomised controlled trial; Clin Nutr. 2014 Dec;33(6):966-72 *(ISI-Cited Publication)*
- 19 Razatulshima, Hairi F,Majid HA (2014).A Qualitative Study on Hypertensive Care Behaviour in Primary Health Care Settings in Malaysia.Patient Preference and Adherence (accepted) *(ISI-Cited Publication)*
- 20 Razatulshima, Farizah Hairi, Hazreen Abdul Majid (2014)The 15-Item Medication Adherence Reasons Scale(MARS): Reliability and Factorial Validity Among Hypertensive Patients in Malaysian Primary Health Care Settings, Singapore Medical Journal (in press) *(ISI-Cited Publication)*

- 21 Choon S, Chan L, Choon SE, Jamil A, Chin CL, Cheng CH, Ambrose D, Majid HA, Heng KC, Lin LY, Yusof MA, Thye SL, Thevarajah S, Hashim S, Jong TJ, Ming WS, Shariff Y (2014) Malaysian Clinical Practice Guideline for the Management of Psoriasis Vulgaris: Summary of recommendations for management in primary healthcare setting. *Malays Fam Physician*;9(1):16-21. eCollection 2014. (*SCOPUS-Cited Publication*)
- 22 Nik Daliana Nik Farid, Norlaili Abdul Aziz, Nabilla Al- Sadat, Mariam Jamaludin, Maznah Dahlui 2014. Clinical breast examination as the recommended breast cancer screening modality in a rural community in Malaysia; What are the factors that could enhance its uptake? *PLOS ONE* 9(9):1-6. (*ISI-Cited Publication*)
- 23 Nik Daliana Nik Farid, Sulaiman Che Rus, Maznah Dahlui, Nabilla Al-Sadat, Norlaili Abdul Aziz 2014. Predictors of sexual risk behaviour among adolescents from welfare institutions in Malaysia: A cross sectional study. *BMC Public Health*. (*ISI-Cited Publication*)
- 24 S. Alkoshi, E. Leshem, U. D. Parashar, M. Dahlui. 2015. Anticipating rotavirus vaccines a pre-vaccine assessment of incidence and economic burden of rotavirus hospitalizations among children < 5 year of age in Libya, 2012-13. *BMC Public Health* 2015, 15:26 doi:10.1186/s12889-015-1400-7015-1400-7 (*ISI-Cited Publication*)
- 25 Isam Baloul & Maznah Dahlui. 2014. Determinants of health insurance enrolment in Sudan: evidence from Health Utilization and Expenditure 2009 . *BMC Health Services Research*. Vol 14. Supplement 2.017 (*ISI-Cited Publication*)
- 26 Bala Murali, Karuthan Chinna and Maznah Dahlui. 2014. Taking My Breath Away By Keeping Stress At Bay? An Employee Assistance Programme In 'The Automotive Assembly Plant". *Iranian Journal of Public Health*. (*ISI-Cited Publication*)
- 27 Rima Marhayu Abdul Rashid and Maznah Dahlui. 2013 Study protocol for the most effective recall method in a cervical cancer screening program in Klang, Malaysia. *Asian Pacific journal of cancer prevention : APJCP* 14(10):5867 (2013) (*ISI-Cited Publication*)
- 28 Alkoshi, S.; Smeo, M.; Dahlui, M.A Review on Gastroenteritis Infection in Libya. *Advanced Science, Engineering and Medicine*. Volume 6, Number 1, January 2014 , pp. 133-136(4) (*SCOPUS-Cited Publication*)
- 29 Salem Alkoshi, Namaitijiang Maimaiti, Maznah Dahlui.2014. Cost Analysis of Rotavirus Treatment in Libyan Hospitals. *Journal of Applied Sciences*. ISSN 1812-5654/DOI:10.2923/jas.2014 (*ISI-Cited Publication*)
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- 31 S AlKoshi, M. Dahlui. 2014. Rota viral Infection: A Significant Disease Burden to Libya. *Iranian J Public Health* (*ISI-Cited Publication*)

- 32 Salem Alkoshi¹, Namaitjiang Maimaiti and Maznah Dahlui. 2014. Cost-effectiveness analysis of rotavirus vaccination among Libyan children using a simple economic model. *Libyan Journal of Medicine* <http://dx.doi.org/10.3402/ljm.v9.26236> (*ISI-Cited Publication*)
- 33 Amer Nordin, A. S., Mohd Hairi, F., Bullen, C., & Mohd Sobri, M. K. Knowledge and practices of tobacco dependence treatment among junior doctors in a Malaysian teaching hospital. *Journal of Smoking Cessation*, 1-6. (*ISI/SCOPUS Cited Publication*)
- 34 Nik Daliana Nik Farid, Norlaili Abdul Aziz, Nabilla Al- Sadat, Mariam Jamaludin, Maznah Dahlui 2014. Clinical breast examination as the recommended breast cancer screening modality in a rural community in Malaysia; What are the factors that could enhance its uptake? *PLOS ONE* 9(9):1-6. (*ISI-Cited Publication*)
- 35 Wen-Ting Tong, Wah-Yun Low, Yut-Lin Wong, S.P. Choong, Ravindran Jegosothy. A qualitative exploration of contraceptive practice and decision making of Malaysian women who had induced abortion: A case study. *Asia Pac J Public Health* 2014 (in press) (*ISI/SCOPUS Cited Publication*)
- 36 Wah Yun, Low & Yut Lin, Wong. 2014. Sexual and reproductive health and rights, HIV/AIDS and Public health. *Asia-Pacific Journal of Public Health* 26(2): 4-6 (*ISI/SCOPUS Cited Publication*)
- 37 Y.L. Wong, S. Thambiah, D. Spitzer, S.S.H. Nudin. Physical & Psychosocial Stressors, Buffers & Resilience Affecting Health of Female Foreign Domestic Workers (FDW). *Int. J. Behav. Med.* 2014, 21 (Suppl 1):S190-191. (*ISI-Cited Publication*)
- 38 SI Ee, SY loh, K Chinna, M Marret (2015) "Cross Cultural Adaptation and Psychometric Properties of the Malay Version of the Short Sensory Profile" *Physical & Occupational Therapy In Pediatrics* (*ISI-Cited Publication*)
- 39 A. M. Hamza, A. S. Nabilla, S. Y. Loh, K. Chinna (2014) Validity and reliability of the Hausa (Nigerian) version of Multidimensional Scale of Perceived Social Support (MSPSS) index. *Iranian Red Crescent Medical Journal* (Accepted for publication). (*ISI-Cited Publication*)
- 40 Siew Yim Loh & Aisya Nadia (2015) Methods to improve rehabilitation of patients following breast cancer surgery: A review of systematic reviews. *Breast Cancer: Targets and Therapy* 47012 (*ISI-Cited Publication*)
- 41 Husna Ainuddin, Siew Yim Loh, Karunthan Chinna, Wah Yun Low, April Camilla 2014 (e publishing 2013) Psychometric properties of the self- report Malay version of the Pediatric Quality of Life (PedsQL) 4.0 Generic Core Scales among multiethnic Malaysian adolescents (JCHC- 2012- 0080). *Journal of Child Health Care* (*ISI-Cited Publication*)

- 42 Siew Yim Loh, Tanya Packer, Karunthan Chinna (2013). Effectiveness of A Patient Self-Management Program For Breast Cancer As A Chronic Illness: A non- randomised Controlled Clinical Trial. *Journal of Cancer Survivorship - Research and Practice* ISI IF 2.6 (*ISI-Cited Publication*)
- 43 Siew Yim Loh, Shing Yee Lee, Liam Murray(2014) The KL Qigong Trial for Women in Cancer Survivorship Phase - Efficacy of a three-Arm RCT to improve QOL. *APJCP* (*ISI-Cited Publication*)
- 44 Mariam Selamat, Siew Yim Loh, Lynette Mackenzie, Janette Valdy (2014) Chemobrain in breast cancer survivors: A metaethnography study with implications for care and research. (Accepted *Plos One*) (*ISI-Cited Publication*)
- 45 Player L, Mackenzie L, Willis K and Siew Yim Loh (2014) Women's experiences of cognitive changes or chemobrain following treatment for breast cancer: A role for occupational therapy? *Australia Occupational therapy Early Pub* 6 FEB 2014 (*ISI-Cited Publication*)
- 46 Siew Yim, Loh & KF Quek(2014) Learning approaches towards an examination-comparing distant and close timing. *Journal of Social Sciences Research* (*ISI/SCOPUS Cited Publication*)
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- 49 N.Atefi, K.L.Abdullah, L.P.Wong & R.Mazlom.2014. Factors influencing registered nurses perception of their overall job satisfaction : a qualitative study. *International Journal of Nursing Review* 12112 (*ISI-Cited Publication*)
- 50 Narges Atefi, Khatijah L Abdullah & Li P Wong.2014. Job satisfaction of Malaysian registered nurses ; a qualitative study. *Journal of Nursing in Critical Care* doi;10.1111/nicc.12100 (*ISI-Cited Publication*)
- 51 Ramoo, V., Abdullah, K.L., Tan, P.S.K., Wong, L.P. & Chua, Y.P. (2014).Intervention to improve intensive care nurses knowledge of sedation assessment and management.Nursing in Critical Care. doi: 10.1111/nicc.12105 (*ISI-Cited Publication*)
- 52 Chui, P.L., Abdullah, K.L., Wong, L.P. & Taib, N. A. 2014. Prayer-for-health and complementary alternative medicine use among Malaysian breast cancer patients during chemotherapy. *BMC Complementary and Alternative Medicine* 14:425 (*ISI-Cited Publication*)

- 53 Women Visiting Outpatients Clinic Perceived Susceptibility, Benefits and Barriers of Cervical Cancer Screening. Pryma Baskaran, Pathmawathi Subramanian, Wong Li Ping, NurAishahMohdTaib, Roshaslina Rosli (*ISI-Cited Publication*)

Centre Activities

CePH Lunch Talk by Leo Cheung, 8th January 2014

The Centre for Population Health (CePH) had its' first Lunch Talk for the year at the Department of Social and Preventive Medicine on the 8th January 2014. The talk revolved around publishing in Biomed Central by Leo Cheung, the Open Access Publishing Manager for BioMed Central / Open Repository / Papers. BioMed Central is one of the pioneers in Open Access publishing. As more and more research funding organizations require their funded researchers need to be publicly accessible, more and more researchers choose to publish their research articles by Open Access publishing. Leo reviewed Open Access publishing's advantages to researchers, library and community. There are a lot of predatory Open Access journals and publishers, how to choose an Open Access publisher or a journal is very important to researchers. Finally, he shared the publishing processing of BioMed Central. The talk was attended by a number of thirty people from within the department whom were interested to know more about publishing in the BioMed Central.



CePH Lunch Talk by Prof Siaw-Teng Liaw, 9th April 2014

The Centre for Population Health (CePH) hosted another interesting talk by Prof Siaw-Teng Liaw on the 9th April 2014. The topic was on “Primary and integrated care - a view from two countries, Australia and Malaysia” and was attended by about fifteen people interested in the research area. Prof Liaw is a Professor of General Practice at the University of New South Wales and Director of the Academic General Practice Unit in Fairfield where he cares for patients and teaches registrars and other trainees in the health professions. His research in the area of primary and integrated care informatics (with a focus on cross-cultural health and disadvantaged populations) is nationally and internationally

recognized. His concurrent research on clinical decision support and consumer health informatics through the NHMRC CRE in eHealth seeks to optimise the quality and use of routinely collected health information through the electronic practice-based research network.



Workshop on Diverse Research in Public Health Nutrition: Focusing on the Low Socioeconomic Community, 22nd April 2014

The invited speaker for this workshop was Associate Professor Dr Hazreen Abdul Majid from the Department of Social and Preventive Medicine and Associate Professor Dr Kathy Hosig from Virginia-Maryland College of Veterinary Medicine. The workshop provided participants with various aspects of nutritional study. There are various research that is related to nutrition which includes clinical as well as public health nutrition. The topic of the workshop is growing immensely in importance, taking into account the real potential to reduce the burden of the non-communicable chronic disease through diet. Thus the workshop encouraged participants by giving hands-on experience working in group to discuss about dietary pattern analysis with biomarkers. The workshop was attended by health professionals, students, researchers and academicians from within UM. More than 25 participants attended the workshop.



CePH Lunch Talk by Associate Professor Kathy Hosig, 24th April 2014

The third lunch talk for the year was on Tailoring Community-based Type 2 Diabetes Education for Diverse Target Audiences by Kathy Hosig on the 24th April 2014. More than 30 participants attended the lunch talk, which was on Balanced Living with Diabetes (BLD). The BLD is a community-based type 2 diabetes education program based on Social Cognitive Theory (SCT) and delivered in partnership between a university-based national/state community agency and local health professionals in the United States. The talk described the BLD program content and delivery and illustrated how BLD addresses SCT constructs of self-efficacy, self-regulation and social support. The use of formative data to tailor the program to reach diverse audiences was also discussed, and preliminary outcome data from current programs was presented. Strategies for delivering BLD tailored for diverse populations in Malaysia were explored with the audience.



Workshop on Complex Samples, 28th May 2014

The invited speaker for this workshop was Associate Professor Karuthan Chinna from the Department of Social and Preventive Medicine. The workshop was a huge success with an overwhelming response of more than 50 participants. The main aim of the workshop was on complex sampling using SPSS that allows the selection of a sample according to a complex design and incorporate the design specifications into the data analysis, thus, ensuring valid results. The workshop also focused on sampling designs, assigning sample weights, sampling with SPSS Complex Samples and the analysis of the weighted data.



CePH Lunch Talk by Dr Susheela Balasundaram, 10th September 2014

Another lunch talk was hosted by the CePH on the 10th September 2014 by Dr Susheela Balasundaram from UNHCR. The topic was on Health and Forced Displacement: Urban Refugees in Malaysia and was attended by about 30 participants from outside and within the department. According to Dr Susheela, Malaysia is host to some 146,000 registered refugees and asylum seekers. 93% of the refugees come from Myanmar. The rest is from Sri Lanka, Somalia, Syria, Afghanistan and Iraq and small numbers of other nationalities. Under Malaysian law, refugees and asylum seekers are considered “illegal” immigrants and are in principle subject to arrest and detention. Their illegal status ultimately results in a lack of access to health care services, education, employment, and an adequate standard of living. The experience of having to flee home and arrive in a country of asylum often leaves indelible effects on the physical and mental health of a refugee. Refugees in Malaysia are able to access public health facilities, but costs, security and communication issues remain an obstacle to those seeking health care. Migrants and refugees are often cited as reasons for the increasing incidence of infectious diseases (e.g. TB), but there is yet to be coordinated effort to effectively address health issues in the displaced through more inclusive national health programming by the health authorities. Health programming for a displaced population in an urban setting is highly

challenging with a geographically dispersed population possessing little disposable income to spend on related health care costs. Though infectious diseases remain a significant problem in the displaced population, chronic non- infectious diseases are gaining prominence and needs to be adequately addressed with the appropriate interventions to prevent future costly complications. Dr Susheela reckons that National health systems dealing with displaced and migrant populations should rethink programming strategies towards more inclusive approaches that will ensure health for all people.

Workshop on Sample Size Calculation, 22nd September 2014

The invited speaker for this workshop was Associate Professor Karuthan Chinna from the Department of Social and Preventive Medicine. The workshop provided participants with a practical introduction to sample size determination through the essential steps, including the design of a study; primary and secondary outcome variables; hypothesis tests, significance and power to detect set differences of clinical importance. The workshop was attended by health professionals, students, researchers and academicians from within UM. More than 51 participants attended the workshop.



Workshop on Questionnaire Validation, 29th September 2014

The invited speaker for this workshop was Associate Professor Karuthan Chinna from the Department of Social and Preventive Medicine. The workshop was a huge success with an overwhelming response of more than 36 participants. The main aim of the workshop was focused on inter-item correlation, reliability analysis, exploratory factor analysis, confirmatory factor analysis and factorial invariance using the SPSS and AMOS software.



Theory & Practice of Qualitative Research Workshop, 27th October 2014

A workshop on Theory and Practice of Qualitative Research was held successfully on the 27th October 2014. Dr Jennifer Lim Nyuk Wo from the Anglia Ruskin University, United Kingdom conducted the 1-day workshop. About 15 participants most of which comprising of students from the qualitative research background including lecturers in lieu of the diverse departments within the Faculty of Medicine, University of Malaya attended the workshop. The workshop included topics on the foundation of qualitative research and grounding required to use this method and in-depth interviews and focus groups, COREQ and mixed methods research. The objectives of the workshop were to describe the assumptions, principles and claims to knowledge of qualitative research, provide an understanding of the iterative nature of the qualitative research process and its' key component elements and the importance of these in preparing good research proposals and to also provide an understanding of issues of validity, reliability and generalizability.



CePH Lunch Talk by Associate Professor Madelene Sta. Maria, 28th October 2014

The closing lunch-talk for the year was by Associate Professor Madelene Sta Maria from De La Salle University, Philippines. The topic of the lunch talk was on Examining the Contributors to Youth Health from an Ecological Perspective. The ecological perspective was first presented as a viable tool for understanding the development of health outcomes among the youth by Urie Bronfenbrenner in the latter part of the 1900s. Since then it has been increasingly used for the past 20 years in studies on processes of risk and protection within the social contexts such as the family, the school and the peer group. By allowing a conceptualization of the young person's interactions within social contexts in terms of bi-directional, or dyadic processes, the perspective permits researchers to determine in what ways interactions within social contexts influence health-risk behaviors and mental health among the youth. The talk presented the main propositions of the ecological theory and an overview of recent research utilizing this theory to examine the determinants of youth health-risk behaviors and mental health.



Workshop on Evidence-Based Public Health Intervention & Programme, 29th October 2014

A workshop on Evidence-Based Public Health Intervention & Programme was held successfully on the 29th October 2014. Dr Jennifer Lim Nyuk Wo from the Anglia Ruskin University, United Kingdom conducted the 1-day workshop. About 20 participants most of which comprising of students from the Masters of Public Health and DrPH programme at the Department of Social & Preventive Medicine, Faculty of Medicine, University of Malaya attended the workshop. The workshop included topics on Health Policy Analysis and Evaluation, Conceptualization of Evidence Based Public Health and Health Policies and discussions with various data sources.



Mesyuarat Sidang Media dan Pameran Kejayaan Pencapaian RU Siri Ke-5, 4th December 2014

The Participatory Action Research Through Negotiation And Empowerment of the Residents (PARTNER) project was selected by the Wellness Research Cluster, Institute of Research Monitoring & Management to represent the community service for community housing projects being undertaken in UM. A press conference and an exclusive exhibition of the community work done through the PARTNER project was displayed at the exhibition held at the Dewan Canselor Tun Abdul Razak, National University Malaysia on the 4th December 2014. The exhibition themed as “University and Community” was officiated by the Deputy Minister of Education II, YB Dato Seri Idris Jusoh and had several other local universities representing their community service as well. The team from CePH, UM organized free health screening especially to check blood pressure and body composition. In addition, healthy cooking and exercise demonstration were also displayed as a means to promote healthy lifestyle. The main aim of the community services was to improve the general wellbeing and health status of the community by raising awareness of non-communicable diseases among PPR residents and educating the community living on a healthy lifestyle as a preventive measure from chronic diseases. The exhibition was organized by the National University Malaysia in collaboration with other universities was indeed a great success.



Center Head:

Associate Professor Dr. Tin Tin Su

- 1) Members and associate members (in Professor Dr. Maznah Dahlui
- 2) Dr. Hazreen Abdul Majid
- 3) Dr. Maslinor Ismail
- 4) Associate Professor Dr. Saimy Ismail
- 5) Associate Professor Dr. Wong Yut Lin
- 6) Dr. Loh Siew Yim
- 7) Associate Professor Dr. Aishah Mohd Taib
- 8) Associate Professor Dr. Farizah Mohd Hairi
- 9) Associate Professor Dr. Wong Li Ping
- 10) Associate Professor Dr. Muhammad Yazid Jalaludin
- 11) Dr. Nahar Mohammad Azmi
- 12) Associate Professor Karuthan Chinna
- 13) Professor Dr. Samsinah binti Hussain
- 14) Professor Low Wah Yun

Staff of CePH :

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CENTRE FOR OCCUPATIONAL AND ENVIRONMENTAL HEALTH

The Centre for Occupational and Environmental Health-UM (COEHUM) was established under the leadership of Associate Professor Dr. Retneswari Masilamani in 2012. The current head of Centre, Associate Professor Victor Hoe serves as a hub to attract researchers and establish collaboration in the field of occupational and environmental health. COEHUM has planned to provide the opportunity to offer consultancy services to other Government agencies, statutory bodies and industries in addressing occupational and environmental health issues. . The centre has an occupational and environmental health laboratory which is equipped with various hygiene monitoring and medical surveillance equipment, and it also has the support of the Occupational Medicine Clinic in the University Malaya Medical Centre.

Research

The centre has identified four areas of research for it to embark over the next five years. The area of research interests are Workplace Hazard Identification and Prevention (WoHIP), Work Ability (WorAb), Work (Occupational) Epidemiology and Health Promotion (WEHoP) and Environmental Health (EH). Under each area there are various researches as follows:

1. Workplace Hazard Identification and Prevention (WoHIP) focus on the health effect of new industrial and environmental technology among workers including occupational diseases and hygiene studies.

The current on-going projects are;

- a) Cohort study of Psychosocial Safety Climate (PSC) implication on Physical and Psychosocial illness among healthcare worker
- b) Dose response relationship between whole body vibration (WBV) and low back pain (LBP) among different types of commercial vehicle drivers (bus, lorry and taxi) in the state of Sabah.
- c) Symptoms of Sick Building Syndrome, Occupational Impact and Quality of Indoor Air in an Office Environment in Kuala Lumpur.
- d) Evaluation of non-therapeutic anti-neoplastic drug exposure.

2. Work Ability (WorAb) focus on the effect of injury or disease on workers' ability in their occupation, return to work, disability and impairment

The current on-going projects are;

- a) Post-traumatic Stress Disorder among Rescue and Healthcare Workers Following Disaster.
- b) The healthy worker programme to promote healthy lifestyle and quality of working life among office workers in Klang Valley: a quasi – experimental study.
- c) Stress Management Intervention Among Secondary School Teachers With Stress Or Burnout
- d) Prevention of Work Related Upper Limb Musculoskeletal Disorders: A Randomized Controlled Trial
- e) ASEAN Survey on the Quality of Life and Occupational Health and Safety of Small and Medium Enterprise Factory Workers

3. Work (Occupational) Epidemiology and Health Promotion (WEHoP) focus on areas of prevalence of disease, screening methods, biological monitoring, toxicological base research among workers, economics.

The current on-going studies

Prevalence of Pulmonary Tuberculosis and associated risk factors among Correctional Officers in Malaysian Prisons.

4. Environmental Health (EH) focus on research related to environmental exposures and health effects.

The current on-going projects are;

- a) Study of indoor air contaminants in various working area and exposure
- b) The Environmental Impact of Electronic Cigarette Smoking
- c) Neighborhood Social and Physical Disorders and Adolescents' Stress in Kuala Lumpur, Malaysia.

International Research Collaboration

Associate Professor Dr Victor Hoe was part of the multi-national research team on the CUPID (Cultural and Psychosocial Influences on Disability) study. The study was designed to explore further the impact of cultural and psychosocial influences on musculoskeletal symptoms and associated disability. It aims to compare the prevalence of symptoms and disability in workers who are carrying out jobs with similar physical demands, but in a range of cultural environments, and to explore risk factors for the incidence and persistence of symptoms and disability in these varying cultural environments. The study was led by Professor David Coggon from the Medical Research Council Lifecourse Epidemiology Unit,

University of Southampton in the United Kingdom, and involves 47 occupational groups from 18 countries. Assoc Prof Hoe was part of the Australian arm of the CUPID study, the Australian Nurses Work and Health Study. The Australian Nurses Work and Health Study was headed by Professor Malcolm Sim from the Monash Centre for Occupational and Environmental Health (MonCOEH) in Melbourne Australia. The other co-investigators for the Australian study are Dr Helen Kelsall and Dr Donna Urquhart. The collaboration continues to be active and is currently working on additional papers from the follow-up data.

Dr Marzuki is currently involved in a multinational research project on the dynamic interplay of physical and psychosocial safety climate in frontline healthcare workplaces in Australia and Malaysia. This project was given a grant of AUD357, 900 by Australian Research Council (ARC) Linkage Project Grant. Besides, he is also involved in an ASEAN Economic Communities project on the 'ASEAN Survey on the Quality of Life and Occupational Health and Safety of Small and Medium Enterprise Factory Workers'. The project was funded by University of Mahidol and University of Malaya.

His research on Post-traumatic Stress Disorder (PTSD) funded UM Research Grant (UMRG) was expanded to further explore on the psychological effects of major flood in east coast of peninsular Malaysia. Another project that he is currently involved in as co-investigator is an e-cigarette salivary biomarker study, funded by UMRG.

Consultation

In 2014, the COEHUM completed the two external consultation projects. The projects are the Malaysian Notification of Occupational Diseases Study (MyNODs) from the Department of Occupational Safety and Health (DOSH), Ministry of Human Resource Malaysia and the Lifestyle Diseases among Malaysian Employees: finding from SOCSO Health Screening Programme from the Social Security Organisation (SOCSO).

MyNODs is a RM315 thousand project obtained under the University of Malaya Consultation Unit (Unit Perundingan Universiti Malaya (UPUM)). The aim of the project is to describe the current notification in Malaysia and to identify the issues associated with the notification system.

The SOCSO project was RM60 thousand project to analyse and prepare a report on the Health Screening Programme (HSP) carried out by SOCSO. In 2013, SOCSO introduced the HSP as part of the effort to identify Non-Communicable Diseases (NCD) among the insured workers who are 40 years and over. The HSP included screening for hypertension, diabetes, hypercholesterolemia, cardiovascular diseases, breast and cervical cancer. In 2013, out of the 2 million workers who are eligible for the programme around 250 thousand has completed their health screening. The initial analysis of the 125 thousand workers found that 18 percent were obese, 38 percent over-weight, 15 percent have diabetes, 19 percent have hypertension and 58 percent have hypercholesterolemia. Among the female workers 30 percent has an abnormal Pap smear and one percent have abnormal mammogram findings.

In 2014, Assoc Prof Hoe and Assoc Prof Wong Li Ping from JCUM participated as Public Health subject consultants for Detailed Environmental Impact Assessment (DEIA) projects; i.e.,

the cement plant in Gua Musang, Kelantan and Tekai Hydroelectric Project in Jerantut, Pahang. The DEIA projects were led and managed by EIA consultants from the Asia Pacific Environmental Consultants Sdn Bhd. Assoc Professor Hoe was also participating in the Aluminium Smelter Plant expansion project in Bintulu, Sarawak.

Healthy aging workforce has becoming an important issue in occupational health. As a result of that, Dr Marzuki was appointed as health consultant for pre-retirement healthy aging programme in Telekom. He conducted multiple workshops for Telekom employees nationwide as part of their pre-retirement programme.

Activities

COEHUM has organised a Workshop on Updates in Occupational Diseases on 25-26 March 2014 and followed by focus group discussion with OH practitioner. Among invited speakers were Professor David Koh, Assoc. Prof Victor Hoe, Dr Marzuki, Dr Anselm, Dr Azlan and Dr Jaseema. Almost 100 participants attended this workshop and 20 participants were invited for three concurrent focus group discussion. The participants were enlightened with the updates in diagnostic criteria of occupational diseases and presentation of case studies. In a focus group discussion, the main issues discussed were related to notification of occupational diseases and, training and practice of occupational health in public and private health setting.

During the 46th Asia Pacific Academic Consortium for Public Health (APACPH) Conference 2014 in Kuala Lumpur, COEHUM has organized a pre-conference workshop on Biological Monitoring in Occupational Health Practice. This workshop was conducted by Prof David Koh and Assoc Prof Victor Hoe.

Beside, Dr Marzuki was invited to deliver a talk on ergonomic assessment and occupational skin diseases at the Occupational Health seminar organized by the Selangor State Health Department.

Visits

In 2014, the members of the COEHUM were fortunate to have the opportunity to visit Japan, India, Cambodia, and Sarawak as part of research activities and to enhance international collaboration. The detailed reports for those visits will be described in a different section.

Publication

The following are the peer reviewed articles and books published by the members of COEHUM in 2014

Books

- 1) **Marzuki Isahak, Victor Hoe Chee Wai, Azlan Darus, Ismail Othman.** The Malaysian Notification of Occupational Diseases Study. 2014. Unit Perundingan Universiti Malaya, Kuala Lumpur.

Journals Articles

- 1) Moy FM, **Hoe VC**, Hairi NN, Buckley B, Wark PA, Koh D, et al. Cohort study on clustering of lifestyle risk factors and understanding its association with stress on health and wellbeing among school teachers in Malaysia (CLUSTer) - a study protocol. BMC Public Health. 2014;14(1):611.
- 2) Mulimani P, **Hoe VCW**, Hayes MJ, Idiculla JJ, Abas ABL, Karanth L. Ergonomic interventions for preventing musculoskeletal disorders in dental care practitioners (Protocol). Cochrane Database Syst Rev [Internet]. 2014; (8). Available from: <http://onlinelibrary.wiley.com/doi/10.1002/14651858.CD011261/abstract>.
- 3) Hosseini F, Adha N, Zainol R, **Isahak M**, Nemati N. Neighborhood-Level Stress and Circadian Cortisol: A Systematic Review and Meta-Analysis. Iranian Journal of Public Health. 2014; 43(10):1324-1334.
- 4) Anselm Ting Su, Setsuo Maeda, Jin Fukumoto, Nobuyuki Miyai, **Marzuki Isahak**, Atsushi Yoshioka, Ryuichi Nakajima, Awang Bulgiba, Kazuhisa Miyashita. A Cross Sectional Study on Hand-arm Vibration Syndrome among a Group of Tree Fellers in a Tropical Environment. Industrial Health. 2014;52(4):367-376.

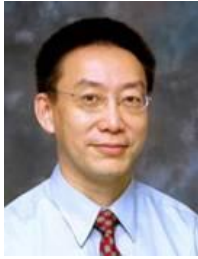
Members of COEH-UM

Members from University of Malaya



- 1) Associate Professor Dr. Victor Hoe Chee Wai (Head of Centre)
- 2) Dr. Marzuki Isahak
- 3) Dr. Azlan Darus (has left the department)
- 4) Dr Nasrin Aghamohammadi
- 5) Ms Nur Fadlina Othman (Assistant Science Officer)
- 6) Ms Adah Ignatius (has left the department)
- 7) Ms Nanthni Anbarasan (Research Assistant & has left the department)
- 8) Ms Ku Nurul Izzah Ku Seman (Research Assistant & has left the department)

External Members



Professor David Koh (Academic Icon)
Chair Professor, PAPRSB Institute of Health Sciences
Universiti Brunei Darussalam,
BRUNEI DARUSSLAM



Professor Malcolm Sim (Visiting Professor)
Director
Monash Centre for Occupational and Environmental Health (MonCOEH)
Monash University
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Dr Azlan Darus
Public Health Physician (Occupational Health) / Manager
Prevention and Health Promotion Unit,
Medical and Rehabilitation Section,
Social Security Organization, MALAYSIA



Dr Anselm Su Ting
Senior Lecturer,
Department of Community Medicine and Public Health,
Faculty of Medicine and Health Sciences,
University of Malaysia Sarawak,
MALAYSIA

THE CLUSTER PROGRAMME

Clustering of Lifestyle Risk Factors and Understanding Its Association with Stress on Health and Wellbeing Among School Teachers In Malaysia

Investigators:	Associate Professor Moy Foong Ming Prof Awang Bulgiba Awang Mahmud Associate Prof Noran Naqiah Hairi Associate Prof Victor Hoe Chee Wai Abdullah Professor David Koh (National University of Singapore), Dr Petra Wak (Imperial College, London, UK) Dr Brian Buckley (University of Ireland) Professor H.B(as). Bueno-de-Mesquita, University Medical Centre, Utrecht, The Netherlands (Academic Icon)
Funding agency:	Ministry of Higher Education Malaysia
Grant:	MOHE-UM High Impact Research (HIR) Grant
Reference Number:	H20001-00-E000069
Amount:	RM 1.5 million
Period:	2013 – 2015

In Malaysia, teachers make up a large working population. As chronic diseases and stress are increasing, it is timely to find out their health and wellbeing as well as their lifestyle risk factors and stress levels. A better insight in the clustering of lifestyle risk factors and their associations with stress could help to identify which groups of teachers are at the greatest risk of developing cardiovascular diseases. Such data may guide both clinical and health policy decision-making as well as health promotion approaches to improve their health and wellbeing. This is also the first study conducted on the teachers' health and wellbeing in Malaysia. The objectives of this study are to extensively survey teachers in Malaysia with respect to clustering of lifestyle risk factors and stress related to health and wellbeing, and subsequently, to follow-up the population for important health outcomes in cardiovascular diseases. A total of 10,000 secondary school teachers are to be recruited from six states in Peninsular Malaysia. Baseline data on socio-demographic characteristics, lifestyle

behavior (physical activity, diet, smoking and stress), health related quality of life, work related questions, anthropometric measurements, blood pressure, clinical indicators such as full lipid profile, fasting blood glucose, renal profile, vitamin D, parathyroid hormone etc. will be collected. Additional blood samples will be collected and stored in the biobank. Participants will have a follow-up every two years for outcomes such as diabetes mellitus, hypertension, heart disease etc. The causality between exposure and outcome will be established through cross-sectional and prospective data. This study will enlighten us on the interaction between environment, stress and clustering of lifestyle risk factors on health and wellbeing, and give us an insight into the importance and direction of future preventive actions.

The publications from the CLUSTeR program are as follows:

1. Chu AH, Koh D, Moy FM, Muller-Riemenschneider F: Do workplace physical activity interventions improve mental health outcomes? *Occup Med (Lond)* 2014, 64(4):235-245.
2. Moy FM, Hoe VC, Hairi NN, Buckley B, Wark PA, Koh D, Bueno-de-Mesquita HA, Bulgiba AM: Cohort study on clustering of lifestyle risk factors and understanding its association with stress on health and wellbeing among school teachers in Malaysia (CLUSTeR) - a study protocol. *BMC public health* 2014, 14(1):611.
3. Moy FM, Loh DA: Cardiometabolic risks profile of normal weight obese and multi-ethnic women in a developing country. *Maturitas* 2015.

ACADEMIC STAFF PROFILE

Prof. Dr. Maznah Dahlui

Dr. Maznah Dahlui is a Public Health Physician, a Professor and the Head of Department of Social and Preventive Medicine, Faculty of Medicine, University of Malaya. Her area of specialty is on health economics, especially on economic evaluation of disease treatment and Public Health interventions.



Her experiences working in the Ministry of Health, Malaysia provides good linkages with the ministry resulting in consultancy works on evaluating and monitoring the National Strategic Planning of HIV/AIDs and as UNAIDs consultant for the National AIDs Spending Assessment in Malaysia. She was in the research team for the Study of Disease and Injury Burden 2013, Cost-effectiveness of vaccination for the pilgrimage and the study on the Return of Investment of NSEP, Malaysia. Her works with the Ministry of Health was acknowledged by World Health Organization who conferred her to do the study to evaluate the practice of female circumcision in Malaysia.

Dr. Maznah has great interest on breast cancer and has been involved in several studies on breast cancer especially on the economic evaluation of the various screening and treatment of breast cancer, and the relationships between lifestyles and the quality of life in breast cancer patients. She had conducted several intervention studies to enhance the knowledge and uptake of breast cancer, joint venture with NGOs and recently had been appointed to lead the Quality of Life and Costing components in the Malaysian Breast Cancer Cohort study which is one of the many collaborative efforts by the Centre of Population Health, University of Malaya. Internationally, Dr. Maznah is collaborating with Uni. of Leeds, United Kingdom, Uni. of Singapore and Uni. Al Aen, UAE looking into factors causing delay in diagnosis and treatment for Breast Cancer. Her area of interest is on infectious diseases whereby she engages research on disease modelling and costing for Rotavirus, Dengue, HIV and Hep C. Her publications from her research are in high tiers ISI journals and are well cited.

Her great achievements in 2014 were chairing the committee to organize Faculty of Medicine Research week at University of Malaya in which she had promoted researches in Public Health field and current important Public Health issues of urbanization, and the 46th Asia Pacific Academic Consortium for Public Health (APACPH) Conference in 2014, an international conference with 1000 registrants that she had successfully lead. 2014 was also a very bright year for her when she was awarded the Fellowship with Distinction by Faculty of Public Health, the Royal College of Physician (United Kingdom).

“The amount of good luck coming your way depends on your willingness to act”.

Prof Awang Bulgiba Awang Mahmud

The first Malaysian doctor to gain a PhD in Medical Informatics, Prof Awang Bulgiba (MBBS, MPH, MAppStat, PhD, FFPH, FPHMM, FAIMM, FASc) is Deputy Vice-Chancellor (Research and Innovation) and Professor of Public Health (Epidemiology and Biostatistics Unit). He teaches clinical epidemiology and medical statistics mainly to postgraduates and has research interests in health informatics, spatio-temporal modelling, geriatrics, cardiovascular-related conditions, infectious diseases, statistical method evaluation, evidence-based medicine and disaster management. An Associate Editor for the *Asia Pacific Journal of Public Health* and *Editor of the Malaysian Orthopaedics Journal*, he continues to be an ad hoc journal reviewer. During the year, Prof Awang Bulgiba continued to contribute as President of APACPH-KL, Chairman of the CERN Summer Program Selection Panel in Malaysia, Executive Committee of College of Public Health, member of the Plant-made Proteins Task Force, Research Committee of the Malaysian Health Promotion Board, National Specialist Register Committee (Public Health), National Steering Committee for the Science Act, National Defence R&D Committee, and MyREN Committee.



On 29 Mar Mar 2014, Prof Awang Bulgiba delivered a keynote address at the 1st Biennial Dental Public Health Conference (“Health care transformation - The way forward”). This was followed by invited speaking engagements by the Academy of Science (“Producing Quality Human Capital for the Workforce”) on 26 Apr 2014 and Academy of Medicine (“Healthcare transformation-paradigm shift required”) on 9 May 2014 and another one in Singapore [Innovation, Science and Technology Cooperation between ASEAN-Japan Workshop (“ASEAN, ocean of young talents – brain circulation and competitiveness [Human Resources Development]”) in Singapore on 16 May 2014. An invited speaking engagement by AIM-Thomson Reuters Seminar (“Evidence-based research strategies”) on 28 May 2014 and a CRICE Talk (“The high-flying academic department – a bridge too far?”) on 20 May 2014 wrapped up a busy May month. A talk at the Research Partnership and Collaboration Summit 2014 (“Research partnership and collaboration: A new frontier for driving research excellence”) on 12 Aug 2014 was followed by another one at the 10th Science, Technology and Innovation Management Training Course for Researchers in IOC Countries (“R & D collaborations and partnerships”) on 16 Sept 2014 and yet another at the Malaysia-Africa Summit 2014 (“The Evolution of Public Health Care in Malaysia”) on 18 Sept 2014. His last 2 speaking engagements were at the 10th QS-APPLE Conference 2014 (“International Research Partnerships in Malaysian Research Universities”) on 11 Nov 2014 in Taipei and at the SATU Presidents Forum 2014 (“MOOCs in University of Malaya”) on 29 Nov in Tainan.

Prof Awang Bulgiba’s team continued work on the RM3.3 million STeMM (Spatio-Temporal Modelling and Meta-analysis) project funded by the MOHE/UM-HIR Grant Scheme. In 2014 Prof Awang Bulgiba published 6 ISI-indexed journal papers. One DrPH student under his supervision completed her studies in 2014.

In recognition of his contributions to public service, he was conferred the Johan Bintang Kenyalang by the state of Sarawak.

Associate Professor Dr Saimy Ismail

This is Dr. Saimy's 13th year in the department under his present contract from August 2012. He is currently a Public Health Consultant. He obtained his MBBS degree from the University of Malaya and a Masters in Public Health (MPH) from the University of California, Berkeley in 1979. He brings with him more than 26 years of field experience at many levels in the Ministry of Health including training. He was actively involved in the training of community nurses, staff nurses, medical assistants and housemen including their curriculum reviews. He has studied in the University of New South Wales under the Regional Teachers Training Unit of WHO on curriculum development and the training of auxiliary field workers in health. Dr Saimy teaches in both the undergraduate (MBBS) and postgraduate (MPH, MMedScPH and DrPH) programmes. He teaches subjects related to Personal & Professional Development (PPD) in Phase III A of the medical undergraduate curriculum. He is also the academic advisor to an assigned group of students. He also coordinates the Organisation & Management of Health Services (OMHS) programme for the undergraduate field programme.



In postgraduate training, he teaches subjects concerning management concepts, process and applications including Human Resource Planning & Management, Malaysian Health Care System, Primary Health Care, Quality in Health, Public Health Law, Disaster Management in Public Health and Management in Health. In 2013, Dr Saimy supervised both Masters and DrPH students. His research interest is focused on human resource planning issues and disaster management in public health. The following were his activities for the year 2013:

- Appointed by Malaysia Medical Council to the accreditation panel with MQA.
- He sits by invitation on the Malaysian Medical Council Preliminary Investigation Committee (PIC).
- Member of UPUM study group on human resource requirements in health.

He hopes that 2014 will be a more fruitful year where he intends to pursue activities related to his interests.

Puan Sri Dr. Norlaili Abdul Aziz

Dr. Norlaili Abdul Aziz started her career with the Health Department of the Kuala Lumpur City Hall and continued to serve for more than ten years in various public health areas from maternal and child health, environmental sanitation, epidemiology, food quality control and disease control. She was awarded an EC-ASEAN fellowship to study Food Safety and Hygiene at the University of West of England in Bristol in 1992. Dr Norlaili re-joined the Ministry of Health in 1994 where she could help strengthen the food control programs. Dr. Norlaili helped to formulate seven guidelines for food safety which was timely in preparation for the coming 1998 Commonwealth Games in Kuala Lumpur. Her area of interest ranges from family health, urban health, behavioural science to food safety and hygiene. Dr. Norlaili joined the academic profession in 2007 after working in the public sector (Local Authorities and Ministry of Health) as a public health officer for about 20 years.



This is the seventh year since Dr. Norlaili Abdul Aziz began her career as an academician. Her present position is as a lecturer and Public Health Consultant. She obtained her MBBS degree from the University of Malaya in 1982, a Masters in Public Health (MPH) from the University of Malaya in 1989 and a Post-Graduate Diploma in Reproductive Medicine in 1999 (UPM). Before joining the academic community, she was actively involved in the training of public health nurses, health inspectors, and public health staff while attached to the Institute of Public Health in the years 1998–2000.

In 2013, Dr. Norlaili and her team completed the health manpower planning project for the Ministry of Human Resources which started in 2012. The following were her activities for the year 2013:

- Member of UPUM study group on human resource requirements in health sector.
- Research on PTSD among medical students (collaboration with CUCMS).
- Breast Cancer awareness.

Associate Professor Dr. Ng Chiu Wan

On the teaching front, Dr Ng continued to contribute to the teaching of Health Economics and Financing, both at the post-graduate and under-graduate levels as well as contributing to the teaching of other management subjects. On the research front, Dr Ng continued to deepen her examination into the pattern of equity in health and health financing in Malaysia. Her findings were presented in the paper entitled, “Financial protection for health in Malaysia in an era of increasing private sector provision”



at the 8th World Congress on Health Economics held in Toronto, Canada in July.

Dr Ng was invited to present at the “Flagship Course on Equity in the Health System for Indonesia” organised jointly by the UNICEF, World Bank Institute, the Asia Network for Capacity Building in Health Systems Strengthening, the Ministry of Health Indonesia and the Institute for Health Policy, Sri Lanka which was held in Ciawi, Indonesia from 19th to 23rd September 2011. The course was designed to provide policy-makers, academics and other interested stakeholders in Indonesia with an understanding of how to assess and act on equity issues in their health system. A total of 28 participants attended the course.

Associate Professor Dr. Nabilla Al-Sadat Abdul Mohsein

Associate Professor Dr Nabilla is a public health specialist focussing on adolescent health and tobacco control issues. Among her achievements in her 29 years of service is being the co-founder and first head of the Student Empowerment and Research Unit (SERU), Student Affairs Division in charge of the enhancement of soft skills and employability of graduates of University of Malaya. She was appointed the first head of the Centre for Population Health (CePH) and has been instrumental in initiating research projects and collaborative work with various departments in the faculty as well as from other universities, national and international. She has published more than 50 articles and research reports on various topics.



As a public health specialist in the Family Health unit, she contributes in teaching principles of family health, medical sociology and health promotion to the Masters of Public Health (MPH), Public Health Doctorate (DrPH), Masters of Psychiatry, Bachelor of Radiology and Bachelor of Bioengineering students. She supervises doctorate students and is an external examiner for Macquarie University, Australia and UKM and acts as an adjudicator for the University of Andhra Pradesh, India. On the research front, Dr Nabilla has continued to pursue research in the areas of her interests — tobacco control and adolescent health despite her busy schedule as an administrator. She is the co-principal investigator of “MyHearts” (Malaysian Health of Adolescents Longitudinal Survey Research Team) which is a collaborative study between Queens University of Belfast and University of Malaya with the aid of the Ministry of Health Malaysia. She continues to contribute to CePH (Centre for Population Health) in her capacity as the immediate past head of CePH. She is also an active member of MYCAADH (Clearinghouse Centre for Adolescent Health Research) and MyCAP and has been involved in talks with 1M4U in improving access of health care services to the Malaysian youth.

In addition, she holds the position as a board member of MyWATCH (Malaysian Women Action group on Tobacco Control and Health) and has been actively giving talks at schools and exhibitions. She is also continually appointed as an evaluator of BFHIs (Baby Friendly Hospital Initiative).

Associate Professor Dr Wong Yut Lin

Associate Professor Dr. Yut-Lin Wong, DrPH (Berkeley), MPH (Berkeley), MPhil (Sussex), is immersed in teaching, research, and public health advocacy for sexual reproductive health and rights (SRHR). Administratively, she has been active as the Head of Family Health Unit, Academic Advisor (MBBS Phase 2), member of the PBL Case Design & Vetting committee; and internal auditor. She is an Associate Editor of the Asia Pacific Journal of Public Health (ISI); guest editor and reviewer for Preventive Medicine (ISI).



Her research areas are in social determinants and health, gender-based violence, sexual reproductive health and rights, and community-based health interventions. She has been awarded an Research Incentive Grant (*Geran Sanjungan Penyelidikan*) by the Ministry of Higher Learning in recognition of her past research funding from international grants.

In the year 2014, she has been involved in the following research projects:

- 1) Acceptability & feasibility of self-sampling for HPV- DNA testing among Malaysian women. July 2013 – June 2015; HTM/UMRG
- 2) Knowledge Transfer Programme: Providing vulnerable teens and young adults with skills to prevent gender-based violence (GBV) and teen pregnancy. June 2014-May 2016 RM190,000 KTP/Flagship Project-Community/Ministry of Education

The following are her publications for the past year:

- 1) Wen Ting Tong, Wah Yun Low, Yut Lin Wong, Sim Poey Choong and Ravindran Jegasothy. Women Who Had Induced Abortion: A Qualitative Exploration of Contraceptive Practice and Decision Making of Malaysian Case Study. Asia Pac J Public Health 2014, Vol.26(5):536-545.
- 2) Wah-Yun Low, Yut-Lin Wong. Sexual and Reproductive Health and Rights, HIV/AIDS, and Public Health. Asia-Pacific Journal of Public Health 03/2014; 26(2):116-7.
- 3) Wah-Yun Low, Wen Ting Tong, Yut-Lin Wong, Ravindran Jegasothy, and Sim Poey Choong. Access to Safe Legal Abortion in Malaysia: Women's Insights and Health Sector Response. Asia-Pacific journal of public health / Asia-Pacific Academic Consortium for Public Health 11/2014; DOI: 10.1177/1010539514562275
- 4) Y.L.W. Wong. Male Involvement In Unintended Pregnancy, Contraception, Abortion: "Men Who Touch And Go"/ "Are Totally Responsible"? Int. J. Behav. Med. 2014, 21 (Suppl 1):S33

- 5) Y.L. Wong, S. Thambiah, D. Spitzer, S.S.H. Nudin. Physical & Psychosocial Stressors, Buffers & Resilience Affecting Health of Female Foreign Domestic Workers (FDW). Int. J. Behav. Med. 2014, 21 (Suppl 1):S190-191.

For the past year, she has presented at conferences, local and international, as well as in public health related policy dialogues:

- 1) Male involvement in unintended pregnancy, contraception, abortion: *“men who touch and go”/ “are totally responsible”?* Poster presented at The 13th International Congress of Behavioral Medicine, 20-23 August 2014 Groningen, The Netherlands.
- 2) Physical & Psychosocial Stressors, Buffers & Resilience Affecting Health of Female Foreign Domestic Workers (FDW). Poster presented at The 13th International Congress of Behavioral Medicine, 20-23 August 2014 Groningen, The Netherlands.
- 3) Acceptability of self-sampling for HPV-DNA testing among Malaysian women: a qualitative inquiry. Poster presented at The 13th International Congress of Behavioral Medicine, 20-23 August 2014 Groningen, The Netherlands.
- 4) Unintended Pregnancy & Abortion: Male Responsibility or Male Ambivalence? A Qualitative Inquiry among Malaysian Young Men. Poster presented at The 46th Asia Pacific Academic Consortium for Public Health Conference, 17-19 October 2014, Kuala Lumpur.
- 5) Dialog polisi tentang keganasan rumahtangga terhadap wanita (DVAW): perkongsian dapatan penyelidikan kebangsaan pertama 'DVAW' menggunakan soal seledik pelbagai negara world health organization (WHO), 21/10/2014; KANITA, Universiti Sains Malaysia.
- 6) Policy Dialogue on Universal Access to Sexual and Reproductive Health and Rights towards the ICPD Review and Post-2015 Development Agenda 3/9/2014; FRHAM
- 7) 1st International Conference of the Africa-Asia Development University Network (AADUN), and the Africa's Asian Options (AFRASO) Project, 11 – 13/3/ 2014

AWARDS

- a) Sijil Perkhidmatan Cemerlang, Universiti Malaya
- b) Best Photo Award For Photo Presentation At The 46th Asia Pacific Academic Consortium For Public Health Conference: Evolution Of The Public Health In The Asia Pacific Region, 17th - 19th October 2014 At HILTON KUALA LUMPUR, MALAYSIA

She is also an active advocate for public health, sexual reproductive health and rights through her participation and contribution in the following:

- Executive Member, Asia Pacific Academic Consortium for Public Health, Kuala Lumpur
- Member of Ethics Committee on Infant Milk Formula Products (Ministry of Health)
- Member of Population Studies Unit Board, FEA, UM
- Member of Malaysian Clearing House Centre for Adolescent Health (MyCCAdH)
- Member of Reproductive Rights Advocacy Alliance, Malaysia (RRAAM)
- Member of Reproductive Health Association of Kelantan (ReHAK)
- Member of All Women's Action Movement (AWAM)*Organising Committee for The 46th Asia Pacific Academic Consortium for Public Health Conference, 17-19 October 2014, Kuala Lumpur.

Associate Professor Dr Wong Li Ping

Dr Wong Li Ping, received her Ph.D. in medical science (Epidemiology) from the University of Malaya in 2004. She takes part in the Faculty's research methodology, epidemiology and biostatistical teaching both at the undergraduate and graduate levels. Dr. Wong's research has centered almost exclusively on social and behavioral medicine. Her current research activity focuses on role of race, culture, and ethnicity on health. She has diverse research interests, all in the field of social and behavioral medicine, include: [1] research on risk behaviors (HIV/AIDS Surveillance; youth risk behavior surveillance), [2] research on preventive behaviors (Cervical cancer screening; HPV vaccination; 2009 influenza H1N1 vaccine; dengue fever), [3] Community responses (Behavioral responses to emerging infectious diseases, influenza H1N1 and influenza vaccination; HPV vaccines; deceased organ and tissue donation; knowledge and attitudes towards thalassemia), [4] sexual reproductive health research (dysmenorrheal and PMS of young female; hysterectomy and detrimental effect on women psychosocial well-being and sexual functioning; midlife crisis; impact of aging on sexual function in women).



Recognizing the importance of behavioral component in medicine, Dr Wong recent research interest emphasize on bringing social behavioral and medical laboratory science, where her recent research interest focus surround the study of dengue seropositivity, H pylori, tick borne diseases, e-cigarette vapor. In the year of 2014, Dr. Wong served as chief and/or sole author of 6 papers published in journals that are ISI-indexed. She has served as a reviewer for peer-reviewed for Vaccine, Hemoglobin and Women and Health. Dr. Wong is also engaged as a registered EIA consultant with the Department of Environment (DOE) under the EIA Consultant Registration Scheme, and in 2014 was the consultant for two EIA projects.

Professor Dr Chan Chee Khoon

Dr Chan Chee Khoon is a consultant and health policy analyst at the Department of Social & Preventive Medicine, Faculty of Medicine, University of Malaya. He has a doctorate in epidemiology (Harvard University), and was a Nippon Foundation API senior fellow in 2004–2005. His research publications in health systems and health policy, public health ethics, cancer epidemiology, and international political economy have appeared in peer-reviewed journals such as *Cancer Causes & Control*, *International Journal of Health Services*, *Development in Practice*, *International Journal of Political Economy*, *Global Social Policy*, *The Japanese Economy*, *Journal of Contemporary Asia*, *Asian Bioethics Review*, and *Global Health Promotion*.



He has served as consultant and technical adviser to the World Bank, European Commission, World Health Organisation, United Nations Economic and Social Commission for Asia & Pacific, United Nations Educational, Scientific and Cultural Organisation, Ministry of Health (Malaysia), Socioeconomic & Environmental Research Institute (Penang), Malaysian Medical Association, and the Department of Environment (Malaysia). He was a founding member of the Penang Cancer Registry and serves on its technical advisory board. Elected to a two-year term on the inaugural Executive Board of the International Society for Equity in Health, he also serves on the editorial advisory boards of the International Journal for Equity in Health, Global Health Promotion, Oxford Bibliographies in Public Health, and Global Social Policy (2003–2005). His current research interests include emerging and re-emerging infectious diseases, health and social policy, environment and development, and health systems in transition.

Associate Professor Tin Tin Su

Tin Tin Su is a public health specialist and health economist. She graduated from the Institute of Medicine (I), Yangon in 1991. She has a Master of Community Health and Health Management degree (2001) and a Doctor of Medicine (2006) from the School of Medicine, Heidelberg University, Germany. She has working and research experiences in Myanmar, Germany, Nepal, Burkina Faso and Malaysia.



Her research interest includes health economics, health system and policy, social determinants of health, cancer awareness and health literacy, and community health development. She involves in several research projects. Her proposal on “Diseases among Poverty” was selected as Health & Translational Medicine Cluster Flagship project and Tin Tin Su and her team was awarded RM 250,000 for the year 2011. The project was transformed as a program named “Participatory Action Research Through Negotiation and Empowerment of Residents (PARTNER) for a low income urban community” and secured funding RM 595,000 for the year 2012 and RM 376,000 for the year 2013. She is a co-investigator for the MyHeARTs (Risk Factors for Chronic Non-Communicable Diseases among Adolescents), the MyBCC (Malaysian Breast Cancer Survivorship Cohort) study and Health Campus Initiative project. She is also a member for Asia Africa Development University Network (AADUN) and Asia Pacific Obesity Prevention Project. She was conferred “Research collaboration Development Award” in 2012 by British High Commission, Singapore to establish and strengthen the research collaboration between UK and Malaysia.

She is a founding member of the Centre for Population Health (CePH) and appointed as Head of the research centre since March 2011. During her headship, she secured funding for the CePH about RM 1 million and also established the “CePH Resource Centre”. The resource centre serves the platform for sharing resources (software, books and equipments) among the members of the Health and Translation Medicine Cluster. She organizes a number of short courses, seminars, lunch talk series and workshops under CePH. She established the research collaboration with several institutes from UK (Queen’s University of Belfast, Cambridge University, Anglia Ruskin University, University College London), United State (Virginia Tech., University of New Mexico), Germany (University of Greifswald) and several countries across Asia via Asia Health Literacy Association.

Tin Tin Su was an organizing chair for UM-QUB public health research collaboration symposium (2011) and the international research symposium on population health (2013). She was the chief secretary and scientific committee member for the 1st Asia Pacific Clinical Epidemiology and Evidence-based Medicine Conference conducted in July 2012 and 46th Asia Pacific Academic Consortium for Public Health Conference in 2014. She is trusted to lead the publication team for the upcoming 3th Asian Population Association (APA) Conference in July 2015.

She is a member of the Malaysian Medical Association and Myanmar Medical Association. She was a lead guest editor for BMC Public Health, Volume 14 Suppl, 2014: the proceedings of the “International Research Symposium on Population Health 2013”. Tin Tin Su reviews journal articles for BMC Health Service Research, BMC Public Health, Preventive Medicine, Journal of Public Sector Management, International Health, Asia Pacific Journal of Public Health, Malaysian Journal of Medical Sciences and Malaysian Journal of Public Health Medicine. She also serves as a reviewer for the “Cancer Research UK” and international advisory board member for “VACCIAB”. She was elected as a vice president for the Asia Health Literacy Association and leads the research and development team.

Tin Tin Su published thirteen ISI papers in 2014. She is currently the supervisor of 4 PhD, 10 DrPH and 2 Master by Research students. She was conferred “Certificate of outstanding service for the year 2014” by the University of Malaya. She also received “UMCares Certificate of Excellence Award 2014” for her constant contribution to improve health status of the low income community.

Associate Prof. Dr. Noran Naqiah Hairi

Noran N Hairi is Associate Professor in the Social and Preventive Medicine Department. She studied medicine at the University of Malaya and graduated in 1996. From 1996 she worked at the Ministry of Health in various capacities. Immediately after compulsory service she commenced her Master of Public Health and Master of Public Health (Epidemiology) and was awarded with distinction for both masters degree from the University of Malaya in 2003 and 2004. Noran obtained her PhD degree in 2011 from the School of Public Health, University of Sydney, Australia.



Noran is actively engaged in teaching and research. Her field of specialisation are Epidemiology and Medical Statistics, Preventive Medicine and Geriatrics and Gerontology. Noran’s research interest are in the epidemiology of aging and aging related diseases particularly in issues such physical disability and functional limitation, elderly abuse and neglect, visual impairment, age-related eye diseases, sarcopenia and chronic pain among older people. Noran has also expended her research area to look at the epidemiology of Non Communicable Diseases, particularly issues relating to tobacco initiation and cessation as well as cardiovascular diseases.

Noran has also been involved in various research activities between the Ministry of Health and the Ministry of Defence. She is currently the Principle Investigator for UM Grand Challenge Grant entitled “Prevent Elder Abuse and negleCt initiatiVE – PEACE, a RM 2.7 million grant project. Her interest in chronic diseases and geriatrics led to her active involvement in several large-scale projects such as STeMM (Spatio-Temporal Modelling and Meta-analysis), MELoR (Malaysia Elder Longitudinal Research), CLUSTeR (Clustering of Lifestyle risk factors and Understanding its association with Stress on health and wellbeing among school Teachers) and HELP (Health promotion, Education and Lifestyle interventions in special Populations).

Administratively, Noran is the Co-ordinator of the DrPH Programme. She teaches epidemiology to the post-graduate students as well as public health to medical students. Noran is one of the Editors of the Asia-Pacific Journal of Public Health (APJPH), an ad-hoc reviewer for the Preventive Medicine Journal and the Asia Pacific Journal of Public Health. Noran has published widely in peer-reviewed journals, book chapters and editorials. She has served as the Head of Julius Centre University of Malaya (Centre of Clinical Epidemiology and Evidence Based Medicine) from 2011 – 2014.

In 2014 Noran received the Fellowship of the Faculty of Public Health (FPH), through distinction, Faculty of Public Health, United Kingdom.

Associate Professor Dr Moy Foong Ming

Dr Moy is from the Epidemiology & Biostatistics Unit. She teaches Research Methodology, Biostatistics, and Clinical Epidemiology & Evidence-Based Medicine to both undergraduate and postgraduate candidates. Her research interest includes Translational Research/Trials in prevention of non-communicable diseases, Workplace Wellness and Nutritional Epidemiology.



Dr Moy is a member of the editorial board of the Nutrition Journal of Malaysia. She also reviews journal articles for Preventive Medicine, Asia Pacific Journal of Public Health, The Journal of Nutrition, Journal of University Malaya Medical Centre (JUMMEC) and Nutrition Journal of Malaysia. She is a member of the International Epidemiology Association, Malaysian Diabetes Association, Malaysian Association Study of Obesity, Nutrition Society of Malaysian and Malaysian Dieticians' Association.

Dr Moy is also the coordinator for the UM Cochrane Network site as part of the Malaysian Cochrane Branch, under the Australasian Cochrane Centre. Dr Moy is the internal examiner for the Medical Statistics module in Part 1 of the Master of Clinical Oncology Exam (University Malaya). She has coordinated the MBBS Phase IIIB elective program since 2008, and is also a committee member of the MBBS Curriculum Review Board. Besides that, she also coordinated the UM Wellness Program which conducts annual health screening for all UM staff from 2008 to 2013.

In 2014, Dr. Moy published 11 ISI manuscripts. She also presented her research findings at both international and national conferences. Currently, Dr Moy has on-going research grants amounting to more than RM2 million. She is also the supervisor of thirteen doctoral candidates (eight DrPHs and five PhDs) and one MMedSc (Research) candidates. One DrPH and two MMedSc of her candidates graduated in year 2014.

Associate Professor Dr. Farizah Mohd Hairi

Farizah Mohd Hairi obtained her Bachelor of Medicine and Bachelor of Surgery, and Master of Public Health from University of Malaya, Master of Science in Health Care Management from University of Wales, and Doctor of Science in Public Health from The Netherlands Institute for Health Sciences. She is an Associate Professor in the Health Policy and Management discipline at the Department of Social and Preventive Medicine, Faculty of Medicine; and a Public Health Physician specialising in Health Services Management and Care of the Elderly.



Currently, Farizah heads the post-graduate unit of the department. She is a member of the Faculty's Post-Graduate Committee. Her main administrative task include coordinating the Master of Public Health and Master of Medical Science in Public Health programmes, and she is also involved in the activities coordinated by the Public Health Conjoint Committee.

Farizah continues to teach both the undergraduate and post graduate students, conduct research and do consultation work in the vast growing field of general public health with particular interest in community geriatrics, elderly care, and tobacco control (in particular smoking cessation) as well as health services management. Farizah has been the executive committee member for the Malaysian Council for Tobacco Control (MCTC), the main NGO for national tobacco control activities since 2012. Farizah also provides technical expertise to the Ministry of Health, Malaysia where her involvement includes: - improvement of the elderly care services, pictorial health warning updates, technical committee for the electronic cigarette and shisha use and she sits in the committee to update the local Clinical Practice Guideline (CPG). From 14th–15th June 2014, as an executive committee member in MCTC, Farizah was involved in organising the National Symposium on Tobacco Control 2014, at Institut Latihan Dewan Bandaraya Kuala Lumpur and also involved in organizing 46th APACPH Conference Kuala Lumpur at Hilton Kuala Lumpur, October 2014.

Farizah has written and presented extensively in elderly care and tobacco control locally and abroad and is involved with both peer reviewed publications and the mass media promoting 'Elders in Safe Hands', healthy ageing, ageing gracefully and tobacco control initiatives.

Farizah devotes her "free" time to various non-profit and civic activities such as Doctor2U Programme, an outreach health promotion programme for the low-income urban communities.

Associate Prof. Dr Hazreen Abdul Majid

Associate Prof. Dr Hazreen Abdul Majid is a senior lecturer in the Family Health Unit. He teaches medical nutrition therapy, sports nutrition and public health nutrition to both postgraduate and undergraduate students. His research interest includes diet and irritable bowel syndrome, post bariatric surgery nutrition research, prebiotics and probiotics in enteral nutrition and public health nutrition (e.g. nutrition for the adolescent and urban poor population nutritional status). Hazreen is also active in community work. He is a member for several associations including the British Dietetic Association, The European Society for Clinical Nutrition and Metabolism and others. He was the Vice-President of Malaysian Dietitians Association (2011–2013). He is also an associate member for The Higher Education Academy, UK.



Functional foods (e.g. prebiotics/ probiotics) have always been Hazreen's research interest. Analytical methods to quantify microbiota such as using fluorescent in-situ hybridisation technique and quantifying short-chain fatty acids using gas liquid chromatography are among his expertise. He conducted the first randomised controlled trial to determine the effect of additional fructo-oligosaccharides on colonic microbiota, faecal short-chain fatty acids and immune status among intensive care unit patients receiving enteral nutrition. He was awarded a Nutricia Research Grant to conduct this clinical nutrition trial. Currently, he is involved in several research such as Phase 2 Principal investigator for Malaysian Health and Adolescents Longitudinal Research Team (MyHEARTs), diseases among poverty – A community based project (as co-principal investigator) and others. He has completed the validity and reliability of 3-minute nutrition screening (3 minNS) study for identification of hospitalised adult patients at risk of malnutrition recently where he is the principal investigator. Currently, this tool is used as a nutrition screening tool at UMMC. In addition, he is also a qualified dietitian that has worked both locally and internationally. He also provides dietary consultation services at the sports medicine clinic since 2003.

He was one of the reviewers for the recommended nutrient intakes for Malaysia 2005 nutritional guidelines. He received a fellowship to attend the South East Asia Nutrition Leadership Program 2011 by The Southeast Asian Ministers of Education Organization Regional Center for Food and Nutrition, University of Indonesia. He had also received a partial education fund from the Malaysian Dietitians' Association to present his research work at the 12th International Congress of Dietetics in Sydney, Australia. He is on the committee to develop the National Clinical Practice Guidelines (CPG) for psoriasis patients; the guidelines have just recently been published. In 2013, Dr Hazreen was also the conference chair for the Malaysian Dietitians' Association Scientific Conference. He has also conducted several courses on topics such as nutritional epidemiology, gastrointestinal and nutrition. He has published 6 ISI-indexed journal articles and also contributed to the CPG – Management of psoriasis vulgaris for 2013. He is currently

supervising, one master's by research student, one PhD student and five doctorate students in Public Health in 2013. He was also a reviewer for *Preventive Medicine* and *Asia Pacific Journal of Public Health*.

Associate Prof. Dr. Sanjay Rampal

Dr. Sanjay Rampal is Associate Professor and has been working in the Epidemiology and Biostatistics Unit at the Department of Social and Preventive Medicine, Faculty of Medicine, University of Malaya since 2005. He obtained his MBBS (equivalent to MD) from M.S Ramaiah Medical College, Bangalore University, Bangalore, India. In 2004, he completed his Master of Public Health (MPH)- Concentration in Quantitative Methods from Harvard University, USA. Meanwhile, in 2014 he completed his PhD from Johns Hopkins University, USA. In 2014, he was awarded as UM Excellence Awards for highest impact publications during his PhD.



Meanwhile, he is also an Associate Professor in Epidemiology and Statistics discipline at the Department of Social and Preventive Medicine. Currently, he supervised 5 Doctor of Public Health students and 4 Master of Public Health students. His interest is in the use of Epidemiological methods and Biostatistics analysis in solving clinical research problems. Dr. Sanjay Rampal has provided numerous methodological and biostatistical consultations to postgraduate students and clinical researchers in Malaysia. He actively presents at GCP Workshops, Research Methods and Biostatistics Workshops.

Besides, Dr. Sanjay Rampal is also actively published in interaction peer reviewed journal, whereas he involves in editorial and peer review activities. He is one of the referees for BMC Public Health, Asia Pacific Journal of Public Health, Journal of University Malaya Medical Centre and the Malaysian Family Physician, The Journal Of The Academy Of Family Physicians Malaysia. Dr. Sanjay Rampal has contributed a lot to the society. He was a volunteer for the Malaysian Red Crescent Society Tsunami Humanitarian Mission to Aceh, Indonesia. On October – November 2015, he represented University Malaya Medical Centre/Malaysian Red Crescent Society in the Malaysian Humanitarian Medical Relief Mission for Earthquake Survivors in Pakistan.

He is actively engaged in teaching and research. He is one of the co-investigator for the “Spatio-Temporal Disease Modelling and Meta-analysis (STeMM)” with project grant of RM3,600,000 from 2011 to 2016. Besides, Dr. Sanjay Rampal also involves in various research such as “Clustering of Lifestyle risk factors and Understanding its association with Stress on health and wellbeing among school Teachers in Malaysia – The CLUSTer cohort”, “Retrospective cohort study of healthy populations with regular health check-up at single hospital - Kangbuk Samsung Health Study Cohort, Kangbuk Samsung Hospital, Seoul, South Korea” and “Investigation of the association between cardiovascular risk factors and colorectal adenoma in a Colonoscopy screening cohort at Samsung Medical Center, Seoul, South Korea. Co-investigator”.

Associate Prof Dr Nirmala Bhoo-Pathy

Dr Nirmala Bhoo-Pathy joined the Department of Social and Preventive Medicine as an Associate Professor in 2013. She graduated with MBBS (MD) from the University of Malaya in 2001, and subsequently, MPH with distinction in 2008. In the same year, she was offered a scholarship from the European Union to pursue her doctoral training in Clinical Epidemiology in University Utrecht Medical Center, Netherlands. Nirmala Bhoo-Pathy completed her Master of Science in Clinical Epidemiology with cum laude in 2010, and a PhD in Cancer Epidemiology in 2011.



Her research interests include treatment outcomes and cancer prognostication in Asian women, as well as ethnic differences, and lifestyle determinants of cancer risk and outcomes. She also coordinates the Singapore-Malaysia Breast Cancer Working Group, comprising epidemiologists, breast surgeons, and oncologists from Malaysia, Singapore, Hong Kong, and the Netherlands, which aims to improve the understanding on breast cancer in Asian women. Dr Nirmala is an active working member of the European Prospective Investigation Into Cancer and Nutrition (EPIC) Cohort Study, which is coordinated by the International Agency for Research on Cancer (IARC, Lyon, France), investigating the association between diet, nutrition and physical activity and risk of cancer. Over the past two years, she has developed an interest in cancer survival surveillance and is part of the CONCORD working group, which examines disparities in cancer survival across the globe. As part of this initiative, she had undergone a period of attachment with the Cancer Research UK Cancer Survival Group, in London School of Hygiene and Tropical Medicine in 2014.

Currently, Dr Nirmala is tasked to teach clinical epidemiology, and epidemiological methods to medical undergraduates and postgraduates in University of Malaya, and serves as a research consultant to clinical professionals in University Malaya Medical Centre and Ministry of Health Malaysia. She also conducts regular research workshops in Ministry of Health (Malaysia) tertiary hospitals, and undertakes teaching in Queen's University of Belfast, Northern Ireland.

Associate Professor Dr Victor Hoe

Associate Professor Hoe is an Occupational Physician with a practice in the University Malaya Medical Centre. He heads the Centre for Occupational and Environmental Health-University of Malaya (COEHUM) a research centre which focused on occupational and environmental health research and consultation, and the Occupational and Environmental Health Unit in the Department of Social and Preventive Medicine, University of Malaya.



Associate Professor Hoe has published numerous ISI-indexed and Scopus-index peer reviewed manuscripts and guidelines. He also reviewed manuscripts for major

local and international peer reviewed journals, and is an editorial member for the Journal of Health and Translational Medicine (JUMMEC), Frontiers in Public Health and Medical Journal of Malaysia.

In 2014, Associate Professor Hoe has more than one million ringgit in research funding. He is the Principal Investigator for the study on “Evaluation of non-therapeutic anti-neoplastic drug exposure” and “The Environmental Impact of Electronic Cigarette Smoking”, and co-investigator for “ASEAN Survey on the Quality of Life and Occupational Health and Safety of Small and Medium Enterprise Factory Workers”, “Asia-Africa Development University Network (AADUN) Public Health”, “Study of indoor air contaminants in various working area and exposure”, “Stress Management Intervention Among Secondary School Teachers With Stress or Burnout”, “Post-traumatic Stress Disorder Among Rescue and Healthcare Workers Following Disaster” and “Clustering of lifestyle risk factors and its association with stress on health and wellbeing among school teachers in Malaysia” studies. He received the bursary from the International Initiative for Impact Evaluation (3ie) to attend the 22nd Cochrane Colloquium in Hyderabad, India. He was an invited speakers at many local and international workshops and seminars, and spoke on topics related to Occupational Health and Safety.

Associate Professor Hoe is also a registered Public Health subject consultant for Environmental Impact Assessment (EIA) studies with the Department of Environment Malaysia. In 2014, he was involved in three EIA projects with various consultation firm. The EIA projects are the establishment of a cement plant in Gua Musang, Kelantan, Tekai Hydroelectric Project in Jerantut, Pahang, and Aluminium Smelter Plant expansion project in Bintulu, Sarawak.

Associate Professor Hoe’s research interest includes worksite wellness, musculoskeletal disorders, ergonomics, health risk assessment, Evidence-Based Medicine and systematic reviews.

Assoc Prof. Dr. Karuthan Chinna

Assoc. Prof. Dr. Karuthan Chinna is an Associate Professor in the Epidemiology and Biostatistics Unit. He has a Master Degree in Applied Statistics from the Michigan State University, USA and a PhD in Multivariate Quality Control from the Multimedia University, Cyberjaya. He joined the department in 2011.

His areas of interest include Multivariate Data Analysis, Structural Equation Modelling, Meta-Analysis, Statistical Process Control, Resampling Techniques and Biostatistics. He teaches advanced level statistics for the DrPH students. Currently he is supervising 12 Phd students 6 and masters students.

Assoc. Prof. Dr. Karuthan has authored and co-authored many articles in national journals and international peer reviewed ISI journals. He has presented many papers at national and international conferences. He is often invited to conduct workshops for the ministry of health.

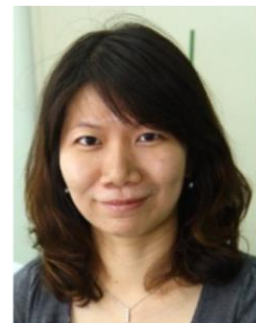


He has been a statistical consultant for several projects at the Ministry of Health and other institutions. He is the most sought after statistician in the country. He has published two books; one on Biostatistics and the other on SPSS.

He has conducted many workshops such as basic data analysis, multivariate data analysis, regression analysis, survival analysis, questionnaire validation, complex sample data analysis and sample size computation for JCUM and CEPH in the department. He consults many Phd masters students at the faculty level. He is also a committee member for the Statistical Services and Training Section at the university level. Assoc. Prof. Dr. Karuthan has been invited to review articles for national and international journals. He is a collaborator in international research with Sri Lankan and Australian counterparts.

Assoc Prof Dr Claire Choo Wan Yuen

Claire is an Associate professor in the Epidemiology and Biostatistics Unit. She is currently heading the Epidemiology and Statistics Unit. She teaches mainly biostatistics and research methodology to both undergraduates and postgraduates. She supervises eight doctorate and one master students. Claire has focused considerable energy on violence, reproductive and sexual health research. Her research interests include the international public health burden of violence especially on children, women and elderly; investigating the linkages between violence against children/adolescents and mental health; the development and evaluation of interventions to address violence; research focusing on vulnerable populations such as impact of abuse on children and their families; indigenous groups and the application of mixed methodology in public health research.



Her current projects include estimating the magnitude of abuse among primary school children; interventions on elderly abuse among the elderly and healthcare providers' exploring the awareness and communication practice of parents of primary school children on sexual abuse, mandatory reporting of child abuse and neglect among Malaysian teachers, determine the exposure to risk and victimisation using information and communication audio-visual technology among adolescents and examining the association between domestic violence association with psychiatric morbidity and victims' readiness to leave. She was also involved in an international multi-country study assessing Malaysia's current policies and programme of child maltreatment under the World Health Organization. She is currently conducting a situation analysis on children in Sabah state under the auspice of UNICEF Malaysia and the Sabah State Economic Planning Unit. Claire is actively conducting a Cochrane Systematic Review on interventions for preventing elder abuse. She was appointed as a member of the Research and Development Committee under The Coordinating Council for the Protection of Children, Ministry of Women, Family and Community Development since 2009.

Claire also conducted several workshops/courses such as Research Methodology, Introduction to SPSS, Train the trainers for CE-EBM, and Evidence Based Medicine. She has been an ad-hoc reviewer for several journals such as *Child Abuse Review*, *Asia Pacific Journal of Public Health*, *Journal*

of *Interpersonal Violence* and *Malaysian Family Physician*. She previously published several ISI papers with *Journal of Adolescent Health*, *Child Abuse and Neglect*, *Child Abuse Review*, *Journal of Interpersonal Violence*, *Trauma, Abuse and Violence Journal* and several other journals. She also co-authored a book on Statistical Analysis Using SPSS and a book chapter on “Health Transition and Double Disease Burden in Asia and the Pacific”.

Associate Prof Dr Mas Ayu Said

Assoc. Prof Dr Mas Ayu (MBBS, MPH, PhD) is a lecturer of Public Health (Epidemiology and Biostatistics Unit). She teaches foundation of epidemiology and medical statistics to undergraduates. For postgraduates, she teaches clinical epidemiology and evidence-based medicine, research methodology, communicable and non-communicable diseases.

Assoc. Prof Dr Mas Ayu has presented her research findings on psychiatric epidemiology in several international conferences. She is one of the consultant for University Malaya Wellness Clinic. In recognition of her contributions to public health, Assoc. Prof Dr Mas Ayu has been gazetted by Director General of Health as a Public Health Specialist, recognised by National Specialist Register, and also recognised by University Malaya Medical Centre as Consultant in Epidemiology and Statistics.



Assoc. Prof Dr Mas Ayu has been awarded three 3-year grants under the University Malaya Research Grant Program. Two projects together with University Malaya Centre of Addiction Sciences, research on Alcohol use and psychosocial correlates among ethnics and the effects of binge drinking among pregnant women in Sabah. One grant was for HELP project under Julius Centre University Malaya. In 2014, Assoc. Prof Dr Mas Ayu has published three ISI-indexed journal papers and she is also *an* ad-hoc reviewer for several health-related journals. Assoc. Prof Dr Mas Ayu had seven post graduate students whom she supervised; five students from the Doctor of Public Health, one student from Master of Public Health and one student from the Master in Medical Science programs by research.

Dr Marzuki Isahak, MBBS, MPH, DrPH

Dr Marzuki Isahak is a Medical Lecturer in the Occupational and Environmental Health unit. He teaches Occupational and Environmental Health to undergraduate and postgraduate students in the Faculty of Medicine and Faculty of Engineering, University of Malaya. In 2014, Dr Marzuki supervised one PhD student, three Doctor of Public Health (DrPH) students, and five master candidates and was also appointed as the academic advisor to 10 M.B., B.S. students. In academic administration, he was appointed as coordinator for DrPH programme and involved in National Public Health Conjoint Board committee meetings.



In clinical services, he was registered as Public Health Physician with National Specialist Register (NSR) and as Occupational Health Doctor by Department of Occupational Safety and Health (DOSH), Ministry of Human Resource Malaysia. He is currently practising in the Occupational Medicine Clinic in UMMC. He also serves another term as Deputy Chairman in the Society of Occupational and Environmental Medicine – Malaysian Medical Association (SOEM-MMA) in 2014/2015. As an expert in Occupational Health, he was appointed as health consultant for pre-retirement healthy aging programme in Telekom and Petronas. In hospital administration, he is a chairman of needle-stick injury committee in UMMC.

Dr Marzuki is a member of the Centre for Occupational and Environmental Health-UM (COEHUM) and is involved in research and other activities organised by the centre. As his interest is in occupational health psychology, he is currently involved in a multinational research project on the dynamic interplay of physical and psychosocial safety climate in frontline healthcare workplaces in Australia and Malaysia. This project was given a grant of AUD357,900 by Australian Research Council (ARC) Linkage Project Grant. Besides, he is also involves in an ASEAN Economic Communities project on the 'ASEAN Survey on the Quality of Life and Occupational Health and Safety of Small and Medium Enterprise Factory Workers'. The project was funded by University of Mahidol and University of Malaya.

His research on Post-traumatic Stress Disorder (PTSD) funded UM Research Grant (UMRG) was expanded to further explore on the psychological effects of major flood in east coast of peninsular Malaysia. Other project that he is currently involved in as co-investigator is on e-cigarette salivary biomarker study, funded by UMRG.

In 2014, Dr Marzuki published two articles in ISI journals mainly in the area of adolescent stress and hand-arm vibration syndrome. He also presented his papers on PTSD at the 46th Asia Pacific Academic Consortium for Public Health (APACPH) Conference in Kuala Lumpur and 21st Asian Conference on Occupational Health in Fukuoka. He was awarded with 'Young Investigator Award' during the conference by Asian Association of Occupational Health.

Dr Marzuki was invited to deliver a talk on ergonomic assessment and occupational skin diseases at the seminar organised by the Selangor State Health Department. He also shared his experience and result of his PTSD research during Faculty of Medicine Research Week in 2014. As for the community at large, he actively contributes his public health knowledge in newspaper articles to increase awareness on prevention of diseases among workers and the community.

Dr. Rafdzah Ahmad Zaki

Dr. Rafdzah Ahmad Zaki is a lecturer in Epidemiology and Biostatistics in the Department of Social & Preventive Medicine, University of Malaya. She received a Bachelor of Medicine and Surgery from the University of Liverpool, and worked in the clinical area for a few years in the UK. She received her Master of Public Health (MPH) in 2008 and her Doctorate of Public Health (DrPH) in 2013 from the University of Malaya. She also received



training in Evidence Based Medicine from the University of Oxford and formal exposure in Clinical Epidemiology from the University Medical Centre Utrecht, Netherland. Recently, she attended a workshop on Introduction to Mathematical Modelling in Epidemiology and Infectious Disease Control at Imperial College, London. In 2013, Dr. Rafdzah published two journals that are ISI-indexed and reviewed manuscripts for PloS ONE journal.

As a member of the Julius Centre University of Malaya (JCUM), she is active in research and her area of interest includes prognostic study, validation study, and disease modelling. Her research projects include a randomised controlled trial of Asthma Action Plan in children, and research on analysis of method comparison study (agreement and reliability of an instrument). She is one of the co-investigators for the STeMM (Spatio-Temporal Modelling and Meta-analysis) project. Currently she is starting a new project to establish an early warning system for dengue in Asia and Malaysia in collaboration with Umea University, Sweden.

Dr Rafdzah is also working on a department project: MyCAP (Malaysian Care for Adolescent Project). This project involves collaboration with multiple organisations including the Ministry of Health, Ministry of Education, LPPKN and Federation of Reproductive Health Associations Malaysia (FRHAM). Through this project, the Ministry of Health has given their trust in making the University of Malaya (under the Department of Social & Preventive Medicine) as the Clearinghouse Centre for Adolescent Health in Malaysia (national resource centre for research in adolescent health).

Dr Maslinor binti Ismail

She attained her Master of Public Health in 2006 and completed her Master of Public Health (Family Health) in 2009. She teaches family health and nutrition to undergraduates and postgraduates in the Faculty of Medicine. Her passion for research is mainly within the scope of sexual and reproductive health. She has been very active in giving consultancy service for Tunas Bakti Sungai Besi Approved School since 2008. She is also the Technical Advisor for ISO implementation and surveillance audit for Tropicana Medical Centre, Sunway Medical Centre and LPPKN (National Population and Family Development Board).



Dr Nasrin Aghamohammadi

The first Environmental Health Engineer (PhD in Chemical Engineering, MSc in Civil Engineering, and BSc in Environmental Health Engineering) has joined as a senior lecturer at the Department of Social and preventive Medicine. She is the only engineer as an academic staff in Faculty of Medicine. Her core expertise is in environmental engineering and has centered almost exclusively on air pollution and health impact. Since 1995 she has



targeted towards contamination measurement and possible control. She has an extensive background in pure and applied research as well as engineering background in Graduate faculty of Environment, University of Tehran and Chemical Engineering, University of Malaya. She has acquired, applied and has taken pride in a very wide range of experiences and activities from hands-on projects such as projects involving air, water, wastewater, solid waste and soil pollutants in South East Asia and Middle East. She has written a book to guide on how to treat leachate using activated carbon augmented activated sludge in 2010. She has published her second book in 2013 entitled "Southeast Asia Rain-forest and its impacts on climate change.

She has published many research papers based on her broad expertise in a very prestigious ISI Journals. She has reviewed many research papers and academic letters in the journal of Biomass and Bioenergy (Q1) from many different countries such as USA, Spain, Brazil, Tunisia, India, China, Japan, Italy, Iran, Turkey as well as International Journal of Environment and Waste Management. She has been appointed as an editorial board for Modern Biosphere International Journal.

She has been involved in many researches and has leaded a project, entitled study of different air ambient contaminant in various working area and exposure. The project involves the measurement and monitors of VOCs in areas such as new born baby wards, IT server rooms, lecture halls, anatomy halls and the renovated area with new finishes and furniture. The other ongoing project is Evaluation of non-therapeutic anti-neoplastic drug exposure which also involves measuring and monitoring indoor air quality. She has looked at rare earth project funded by UMRG as well as E-cigarette and its health impact.

She Associate Member of Institution of Chemical Engineers (IChemE), United Kingdom ,Member of Institution of the Chartered Institute of Environmental Health(CIEH), United Kingdom , Member of Environmental Management & Research Association (ENSEARCH), Malaysia, Member of Iranian Society of Environmentalists (IRSEN), Iran, Member of center for peace and environment (CPE), Iran, Member of the International Association of Engineers (IAENG), Hong Kong, Member of International Society for Applied Life Sciences (ISALS) , Member of Centre for Occupational and Environmental Health, University of Malaya (COEHUM), Member of sustainability science cluster, University of Malaya (SSUM).

She is teaching the following subjects to the postgraduate and undergraduate students in

SPM, Faculty of Medicine:

- 1) Solid and hazardous waste
- 2) Housing, waste water and sewage disposal
- 3) Environmental pollution and control
- 4) Trans-boundary, global health and climate change
- 5) Occupational Toxicology

- 6) Essential in Public Health
- 7) Environmental Management system (Master of Engineering)
- 8) Water Supply (MBBS)
- 9) Waste water and excreta disposal (MBBS)
- 10) Environmental Pollution and control (MBBS)
- 11) Solid Waste Management (MBBS)

She was a jury for Plant Design Competition in The National Chemical Engineering Symposium (NACES 2012), Department of Chemical and Process Engineering, Faculty of Engineering and Built Environment, National University of Malaysia on 15th December 2012.

She has been invited as a consultant for a project with a global real estate and property consulting group active in Malaysia, Maldives, Germany and China. The scopes of project are the urban ecology and public health of the housing project in Hulhumale Island, Maldives.

She has contributed as the secretariat at the “46th Asia Pacific Academic Consortium for public health conference: evolution of the public health in the Asia pacific region” held from 17th-19th October 2014 organized by department of social preventive medicine, Faculty of Medicine, University of Malaya. She is registered as an EIA consultant with the Department of Environment (DOE) under the EIA Consultant Registration Scheme.

Dr Nik Daliana Nik Farid

Nik Daliana Nik Farid earned her medical degree at University of Adelaide, South Australia. Upon graduation, she joined the Malaysian government service and did house officer training and medical officer work at Kuala Lumpur Hospital. In 2005, she joined the Institute for Public Health where she was appointed as the Main Research Group Member for the Third National Health and Morbidity Survey. In 2007, she went on to study at the University of Malaya, Kuala Lumpur where she received her Master of Public Health (MPH) and Doctor of Public Health (DrPH) degrees.



In 2012, she served as the second Medical Officer of Health at Mukah Division Health Office, Sarawak where she covered two major sections namely Epidemiology as well as Maternal and Child Health. Nik Daliana then continued her service as the Head of Primary Health Care Unit at the Hulu Langat District Health Office. She left the Ministry of Health in August 2013 to serve the University of Malaya.

Nik Daliana is currently a Medical Lecturer in the Department of Social and Preventive Medicine with a specialisation in Public Health. She has a special interest in adolescent health. More specifically her work aims to address the five areas, namely sexual and reproductive health,

mental health, nutritional health, physical activity and high risk behaviour. Her contribution to this field include: conducting research on sexual risk behaviour among incarcerated adolescents in welfare institutions; assessing for non-communicable diseases of school-going adolescents and setting up of an adolescent friendly website for a quasi-experimental study. Also, she is involved in the collection and distribution of literatures pertaining to adolescent's health by a clearinghouse center in UM. Her latest research output was on 'Setting Research Priorities for Adolescent Health in Malaysia' whereby research gaps were identified through an expert-led approach. Her main goal for the next 3-5 years is to look into the effectiveness of an internet based health promotion programme in enhancing adolescent's knowledge, attitudes and practices towards health. Additionally, she hopes that these initiatives will improve adolescent's access to health information and develop health-enhancing behaviours among them.

In 2014, Nik Daliana published 3 journal articles in ISI indexed journals mainly in the area of women and adolescent's health:

- a) Predictors of sexual risk behaviour among adolescents from welfare institutions in Malaysia: A cross sectional study. BMC Public Health.
- b) Breast cancer awareness of rural women in Malaysia: is it the same as in the cities? Asian Pacific Journal of Cancer Prevention.
- c) Clinical breast examination as the recommended breast cancer screening modality in a rural community in Malaysia; What are the factors that could enhance its uptake? PLOS ONE.

During the past one year, Nik Daliana has participated in several community projects such as conducting a mini workshop on puberty for young adolescents attending a religious school in Bangsar, Kuala Lumpur and coordinating a health education session with the disabled children and their parents at a Community Based Rehabilitation in Brickfields, Kuala Lumpur. Nik Daliana has also contributed ideas on various adolescent health issues to 1 Malaysia for Youth (IM4U), an initiative of the Malaysian government that encourage volunteering among Malaysian youth.

Nik Daliana is presently a member of the Malaysian Association for Adolescent Health (MAAH); Malaysian Clearinghouse Center for Adolescent Health (MyCCAdH); Malaysian Care for Adolescent Project (MyCAP); Malaysian Health and Adolescents Longitudinal Research Study (MyHeARTs) and Ministry of Health Malaysia National Technical Committee for Adolescent Health.

Nik Daliana teaches Family Health to postgraduate and undergraduate students. She coordinated two postgraduate courses in 2014 i.e. Women, Child and Adolescent Health and Lifetime Health for Master of Public Health and Doctor of Public Health respectively. A strong advocate of problem-based learning (PBL) technique, Nik Daliana tutors PBL sessions for Stage 1 and 2 University of Malaya Medical Programme (UMMP) students.

Administratively, Nik Daliana coordinates and oversees Master of Public Health and Master of Medical Science (Public Health) programmes. She also assists in the coordination of the University of Malaya-Kyoto University Double Degree Programme.

Dr 'Abqariyah Yahya

Dr 'Abqariyah Yahya joined the Epidemiology & Biostatistics Unit in the Department of Social and Preventive Medicine, University of Malaya in November 2013 as a senior lecturer. She is also a member of the Julius Centre of University Malaya and Epidemiology and Biostatistics discipline at Department of Social and Preventive Medicine. She obtained her basic education; Bachelor of Science and Master of Science in statistics both from Universiti Kebangsaan Malaysia. She completed her PhD in Medical Sciences from the Karolinska Institute, Stockholm, Sweden in December 2012. She previously served the Ministry of Health (MOH) Malaysia for 11 years as a research officer. During that period, she was involved in various epidemiological studies. She also conducted quite a number of research methodology and biostatistics workshops with numerous departments within the MOH and served as a lecturer for the biostatistics module for the Diploma in Applied Parasitology and Entomology (DAP&E) and Diploma in Medical Microbiology (DMM) at the Institute for Medical Research from 2002–2007. In 2004, she participated in a WHO Refractive Error Study among Children in the Gombak district. Currently she has 2 Doctor of Public Health students and 3 Master of Medical Science in Public Health students.



Dr. 'Abqariyah teaches both postgraduates and undergraduates students as a tutor for Problem-Based Learning (PBL) Stage 2 Block 6 (Cardiovascular), Coordinator for Master of Public Health (MPH) subject – Principle of Biostatistics and also as a coordinator for Biomedical Mbeb 1108 Course – Introductory Course in Biostatistics.

She is active in research and her area of interest is non-communicable diseases. She involves in numerous collaboration such as “My Body Fit and Fabulous”: an intervention programme to combat obesity among Malaysian school children (MyBFF@school).” – A collaboration research between The Sackler Institute for Nutrition Science at the New York Academy of Sciences and Ministry of Health Malaysia and A collaboration between Umea University, University of Malaya and Environmental Health Institute (NEA) Singapore, “Joint research on an early warning of climate-sensitive vector-borne diseases, using dengue as a case study”. Besides, Dr. 'Abqariyah has participated in Cost-Effectiveness Workshop, hosted by the New York Academy of Sciences on May 5th, 6th and 7th, 2014 at the New York Academy of Sciences headquarters, 250 Greenwich Street (7 World Trade Center) – 40th Floor, New York, New York, USA.