

International Atomic Energy Agency Scientific Forum

A Decade of Action on **Cancer Control** and the Way Forward



IAEA
International Atomic Energy Agency
Atoms for Peace and Development

17 – 18 September 2019
Vienna International Centre
Board Room D, C Building, 4th Floor

How the Development of Regional/Global
Networks has Helped Countries with Cancer
Control
The Role of the IAEA

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Outline:



Cancer epidemiology, Global Impact, Reducing Health Inequalities



Global and Regional Networks



The IAEA Curricula for Nuclear Medicine Professionals (ICNMP)



Importance and Application of ICNMP

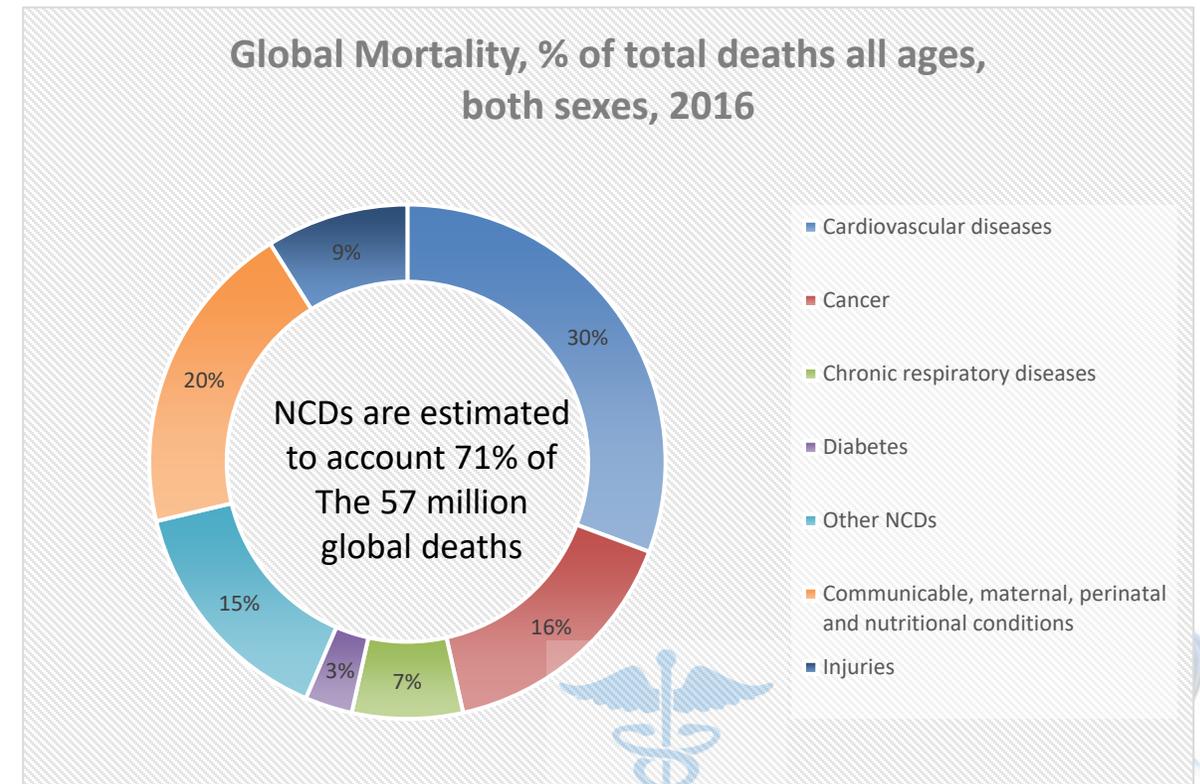


Plans for Improvement, Goals to Increase Network with Efficient Collaboration



Reducing Health Inequalities

- **78%** of global non-communicable disease (NCD) deaths occurred in low- and middle-income countries (LMICs)
- Providing universal access to health care is essential
- Cancer prevention, diagnosis, and treatment meeting global standards ensures health equality
- **Reduce health care inequalities by:**
 - improved education,
 - poverty reduction, and
 - strengthen health systems.
- 162 active Technical Cooperation Projects pertaining to cancer, in LMICs (IAEA database)
- The IAEA aims to help achieve
 - Sustainable Development Goals,
 - tackle non-communicable diseases (Eg: cancer)
 - with improved cancer control, planning and implementation,
 - committed investment in cancer care in Member States,
 - Coordinated Research Projects.



Global and Regional Cancer Care & Control Networks

- **IAEA partners** the World Health Organization (WHO), the International Agency for Research on Cancer (IARC), the Union for International Cancer Control (UICC)
- Regional networks in cancer control is achieved through The Regional Cooperative Agreement for Research, Development and Training related to Nuclear Science and Technology
- These networks further, the MS's **public health goals**, by promoting
 - evidence-based decision making,
 - management,
 - capacity building



The IAEA Curricula for Nuclear Medicine Professionals (ICNMP)

ICNMP: training needs of NM professionals

Continuous professional training programme through Practical Agreements with regional training centres like Singapore General Hospital in Feb 2017

Delivers structured, competency-based, systematic, coherent, and harmonised training programmes



The IAEA Curricula for Nuclear Medicine Professionals (ICNMP)



- The success of these programs have been phenomenal in helping MS's in their rapid embracement of Cancer care technology.
- The setting up of the 1st Nuclear Medicine service in Cambodia in 2017 benefited from the support the IAEA provided for the human resource development.



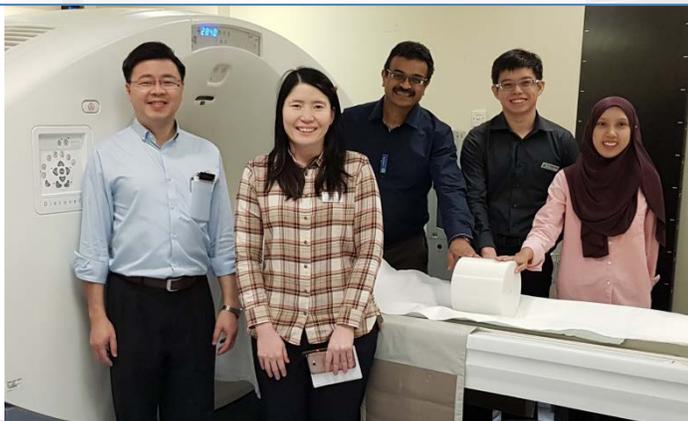
Ms Kagnaneath ROS (KAM15012) and Mr Chantha NY (KAM15014)
Duration: 6 months fellowship in 2016 at Singapore General Hospital

The IAEA Curricula for Nuclear Medicine Professionals (ICNMP)

Strengthens the capabilities of MS to address training needs related to the application of nuclear medicine

Update knowledge and skills of professionals to be able to perform their duties competently, professionally, and in a safe manner

Enhances regional capacities through partnerships and networking among MS for information sharing, technical exchange, and capacity building initiatives by building upon the available expertise within regions



Ms Moe Su PAN (MYA16036) & Ms Siti Amirah Abd Hamidat (BRU/17001) with SGH staff



Mr Islam Md. Saiful & Mr Tanvir Ahmed Biman (BGD6027) with Mr Denis D. Aquino (PHI6026)



Ms Sharma & Ms Siti Amirah Abd Hamidat (BRU/17001) with SGH staff



Importance and Application of ICNMP

- Continuing medical education (CME): Provides efficient, life-long learning opportunities.
- ICNMP programs are accredited by two relevant bodies UEMS, EACMME that award CME's independent of commercial interest.
 - This accreditation requires rigorous evaluation, proof of educational gap analysis, needs assessment, speaker conflict of interest, course evaluations, amongst other performance standards.
- The ICNMP has **proven its importance** through the accredited regional training course's & conferences like the bi-annual SGH NM Update



Group photo of participants at the Singapore General Hospital NM Update 2017



Plans for Improvement, Goals to Increase Network with Efficient Collaboration

- To improve cancer surveillance data reliability from population **based registries, health surveys,** and other data systems.
- To **encourage** all stakeholders to continue to work and believe in network participation.
- To **determine challenges and opportunities** that will add value for members, organizations, the public health system in member states.
- To **promote** continuous feedback, regular monitoring and evaluation of the programs.



Summary

- The following are imperative to global health and cancer care:
 - Building networks,
 - Increasing the access to diagnostic and treatment facilities &
 - Provision of equal educational opportunities and universal health care coverage.
- The aim of the IAEA: To encourage best care possible to all, and ultimately improve global health, with cancer control being a priority.
- The IAEA will continue playing this role in:
 - educating and training Nuclear Medicine physicians, radiographers and medical physicists.
 - using networks that further public health goals by promoting the use of evidence-based decision making, management, and capacity building.