IANPHI investment to building the capacity for NCD surveillance, prevention and control in Tanzania

Dr. Mfinanga SG MD PhD- PI
National Institute for Medical Research
Muhimbili Medical Research Centre

Core Team
Dr. Esther Ngadaya- Project Director
Dr. Senkoro Mbazi
Dr. Mary Maige
Dr. Amosi Kahwa
Dr. Janneth Mghamba - MOHSW
Presentation overview

- Brief introduction to NIMR
- Major public health challenges in country
- Summary of project goals/activities
- Partnerships
- Project outcomes to date
- Long-term outcomes
- Challenges and
- way forward
Brief introduction to NIMR

The National Institute for Medical Research (NIMR):

- is a parastatal service organization under the MoHSW.
- It was established in 1979 and has been operational since 1980.
- HQ is based in Dar es Salaam with 6 centers and 7 field or research stations throughout the country.
- Main function is to conduct, control and coordinate research
Public Health Problems in Tanzania

- Hospital Data: Top 3 communicable Ds:
  - Among children-Malaria, Pneumonia, Anaemia

- Adult Morbidity and Mortality project 1994-2002 – NCDs attributed
  - 15%-28% of Adult Deaths; and
  - leading in OLDER age (59% in DSM and 58% in HAI)

- Well established surveillance (IDSR) for CDs but not for NCDs

- Justify IANPHI support to establish surveillance for NCDs
Project goals/objectives
Through long and Medium Term Projects

- Develop an evidence-based approach to establishing national surveillance for NCDs.
- Create public awareness of NCDs and a need for seeking health care early
- Incorporate into the existing national integrated disease surveillance and response system, the established list of priority NCDs for regular monitoring
- Create the foundation for a national program through training and exchange.
- Identify additional support for MOHSW priorities related to NCDs.
- Conduct NCDs risk survey in selected areas
Partnership for NCDs Surveillance
Capacity Building in Tanzania

NATIONAL
- Ministry of Health and Social Welfare
- National Institute for Medical Research (NIMR)
- Muhimbili University of Health and Allied Sciences
- Ifakara Health Research Institute
- Private Sector Institutions

INTERNATIONAL
- IANPHI
- National Institute for Health and Welfare (THL), Finland
- CDC
- WHO (Potential)
Outcomes: Progress of activities

- Two district hospitals, five health centers and four dispensaries are involved in the surveillance.

- Two types of surveillance tools for data capturing and reporting developed and pre-tested.
  - One set is for dispensaries and the other one for health centres and hospitals.

- Two types of case definitions tools developed
  - one for dispensary level and
  - the other for health centre and hospitals
Outcomes: Progress of activities

- Training modules developed through consultative meetings with stakeholders
  - (MoHSW, MNH, MUHAS, TFNC, Diabetic association, NIMR etc)

- 67 health workers trained at all levels.
  - on NCDs in general, NCDs surveillance,
  - simple NCDs laboratory test,
  - simple data analysis and computer training.
Participants from Temeke District in one of NCDs training workshops
Outcomes: Progress of activities

- Establishment of NCDs laboratory tests at all dispensaries
- Computers, BP machines, glucometers and weighing scales with height/length rods have been purchased and distributed to the four dispensaries
- Data collection is ongoing.
- 6 different types of IEC materials has been developed and pretest in collaboration with different stakeholders.
Outcomes: Progress of activities

- NCDs track incorporated in the FELTP course.
- Supports two student enrolled in FELTP course
- Knowledge on how well developed NCD program operates acquired:
  - Four Personnel from MoHSW and 4 NIMR scientists visited THL, Finland
- NCDs centre / office at NIMR-Muhimbili renovated.
Trend of NCDs at Sentinel sites
(Temeke - n = 8371; Rungwe-n = 4760)
Risk factors for NCDs in Rungwe district
(Male: n= 162, female n=264)
Potential long-term outcomes

- Priority NCDs information are collected monthly through IDSR.

- Public awareness of NCDs created and NCD patients seek care early

- Contributes to critical human resource with knowledge and skills for NCDs Surveillance

- NCDs Centre for Research and surveillance office established

- Adequate Resources mobilized to support for MOHSW priorities related to NCDs
Challenges

- Shortage of human resource
- Lack of incentives to record and report NCD cases.
- Increased workload (completing the forms)
- Lack of equipments, utilities and infrastructure.
- Most of the health workers do not have the basic knowledge on the computer.
- Reporting cause of death is usually difficult at lower level facilities, and hence knowing if death has been caused by NCD’s has been a challenge.
Way forward

- Work with NCDs stakeholders to rise awareness on control and prevention of NCDs.
- Continue with data collection (piloting) activities.
- Secure more fundings for NCDs.
- Create champions by training of scientists on NCDs at Post doc, PhD and Masters levels.
- Plan the integration of NCDs in IDSR.
Acknowledgement

- IANPHI
- THL technical Support
- CDC
- NIMR HQ administration
- MOHSW
- DMO offices at Temeke and Rungwe
- All Medical personnel at Sentinel sites
- NCDs Stakeholders in Tanzania
Thank you for your attention