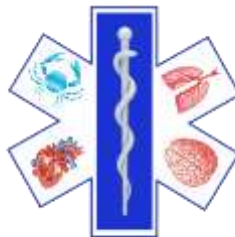




WORLD NCD FEDERATION
CENTRE FOR IMPLEMENTATION
SCIENCES & RESEARCH IN NCDS
(CISR-NCD)

REPORT
NOVEMBER 2020- OCTOBER 2021



World NCD Federation

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CISR-NCD

World NCD Federation

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I. Executive Summary

There are long delays in translating research into policies and actions. Keeping in view of these gaps, World NCD Federation has taken a major step in establishing the Centre for Implementation Sciences & Research in NCDs (CISR-NCD) which aims to identify the bottlenecks, move ideas and innovations into action to strengthen the existing national programmes. World NCD Federation has taken a major step in establishing the Centre for Implementation Sciences & Research in NCDs (CISR-NCD). The Centre for Implementation Research had a modest start in the November 2017. The main goals and activities of the centre include research, training and capacity building of professionals, the implementation, management and use of a new technology or the adaptation, management and use of a new or particular skill or concept.

Six projects were initiated in the year 2020-21 under the Centre for Implementation Science and Research in NCDs. Two of them focusses on Implementing World NCD Federation guidelines in Chandigarh, India and Zimbabwe, Africa. 2 calls for proposals were announced, “Call for Proposals and grant World NCD Federation-IAPSMCON 2021”. Under this 3 projects were shortlisted after evaluation and are being provided partial funding and technical support. Under the Call for Proposals and Grant, World NCD Federation-IPHACON 2021, one proposal was shortlisted and is being provided technical support and funding.

The centre has planned the 2nd International Course on Implementation Sciences and Research in Noncommunicable Diseases, from 11th-12th February 2022, which will be an important step towards the growing emphasis on implementation science as an essential aspect of bridging the evidence-to-practice gap. The training will be through interactive sessions and skill development by expert faculty on the e-learning platform of the World NCD Federation.

II. Why the Centre for Implementation Sciences and Research?

Implementation is a major challenge in any national NCD programme and most of the programmes are new. Also, there are long delays in translating research into policies and actions. Keeping in view of these gaps, World NCD Federation has taken a major step in establishing the Centre for Implementation Sciences & Research in NCDs (CISR-NCD) which aims to identify the bottlenecks, move ideas and innovations into action to strengthen the existing national programmes. The research is local, regional, national and international in scope and involves collaborations with stakeholders and knowledge users at each level in key healthcare priority areas. The main goals and activities of the centre include research, training and capacity building of professionals, the implementation, management and use of a new technology or the adaptation, management and use of a new or particular skill or concept.

III. History of CISR-NCD

There are long delays in translating research into policies and actions. Keeping in view of these gaps, World NCD Federation has taken a major step in establishing the Centre for Implementation Sciences & Research in NCDs (CISR-NCD). The Centre for Implementation Research had a modest start in the November 2017 when the 1st course on Implementation Research was undertaken as a collaboration between Global Alliance for Chronic Diseases and World NCD Federation, and was organized as a two days' workshop during the 1st World NCD Congress 2017, India and attended by 38 participants. One module on Implementation Research is included each year during the International NCD Course organized since 2015 where operational projects are taken up by the participants as a group activity. Till date about 350 participants in the International NCD Courses have been trained globally. Gradually the activities of the Centre expanded thereby

extending its technical support to various implementation research projects and undertaking implementation research projects under the Centre.

IV. Objectives

The objectives of the Centre are to strengthen implementation of National NCD Programmes. To promote training and capacity building efforts to improve national research for NCD prevention and control with a special focus on implementation research and also developing, implementing and evaluating lifestyle and community-based interventions to improve the prevention and control of chronic disease in resource constrained settings and countries.

V. Opportunities under the Centre:

The centre has the following opportunities for individuals:

- ☐ Technical support for Implementation Research Projects under Call for proposal
- ☐ Virtual Course on Implementation Research in NCDs
- ☐ Capacity building and training of professionals
- ☐ Post-Doctoral Fellowships
- ☐ Student Exchange

VI. Activities/Projects of Centre of Implementation Sciences and Research

The centre has projects being undertaken in India and Africa and also provides technical support and partial funding for various Implementation Research Projects:

i. **Implementation Research framework for NCDs guidelines in India and Africa.**

The project aims to pilot the implementation of WNF prevention and management guidelines in primary and secondary healthcare settings in one block each in India and Africa: Chandigarh-Manimajra block and Hwange District, Matabeleland North, Zimbabwe respectively and to determine their utility at population and facility level and strengthen the NPCDCS programme.

The main objectives are to undertake the situation analysis for strengthening of primary and secondary healthcare settings of the selected districts. Also, to implement WNF guidelines for prevention, surveillance, and management of NCDs in selected districts. To evaluate the progress of implementation as per set implementation framework of NCDs guidelines.

Key activities include

- **Conduct needs assessment** for NCD services and preparedness of health facilities for implementation of guidelines with WHO's Service availability and readiness assessment (SARA) and through in-depth interviews with the stakeholders– it will also include assessment of disease/risk factor burden and access to diagnostics & treatment
- **Capacity building**-Training and orientation all healthcare personnel at primary and secondary healthcare in one district/equivalent setting for implementation of WNF prevention, surveillance, and management of NCDs
- **Health Promotion** and promotion of standard treatment guidelines.
- To **strengthen support systems** for essential medicines and diagnostics in existing primary and secondary health care delivery systems in the selected block.
- **Implementation of guidelines** will be for a period of 3 years with baseline and end-line assessment with active participation of health services
- **Monitoring of progress of implementation** according to key indicators in global monitoring and implementation framework as set performance and quality standards

1. Call for Proposals and grant World NCD Federation-IAPSMCON 2021

ii. Implementing Multimodal Approach to Chronic Non-cancer pain management at primary health care settings in Singur Block, West Bengal

The study aims at estimating the intensity and pattern of pain of patients visiting primary health settings in a rural area of West Bengal, along with their quality of life due to chronic pain conditions. A multimodal approach will be taken towards chronic non-cancer pain management and its effect on pain and quality of life will be assessed. Its main objective is to estimate the pattern and intensity of pain using Brief Pain Inventory (BPI) among the patients suffering from chronic non-cancer pain attending Out Patient Departments of Rural Health Unit and Training Centre, Singur Block and assess quality of life of the study participants at baseline.

iii. Delivering a “standardized package of care” for diabetes in primary health care settings in Maharashtra, India: effectiveness & experiences

The project aims to deliver a “standardized package of care”, that can be implemented at a primary health care level with adequate linkages with secondary and tertiary health care facilities and study its effectiveness. It is a sequential mixed methods study with a quantitative component (pragmatic community based non-randomized controlled trial) and a descriptive qualitative component (key informant interviews with stakeholders). Its **primary outcome** is Proportion of patients achieving glycemic control ($HbA1C < 7\%$) and the *secondary outcomes* include Eligible patients screened for diabetes; Proportion of eligible patients diagnosed with diabetes, and proportion of patients enrolled into the study who undergo various baseline tests, receive all anti-diabetic drugs as per the requirement/protocol

and proportion of patients who undergo scheduled follow-up visits (at least two-third of scheduled visits)

iv. **Implementation of Integrated screening and assessment of Non-communicable diseases (NCDs) in North India- A community-based, pilot mixed-methods study**

It is a pilot-based study for assessing the feasibility of conducting integrated NCD screening along with routine NCD screening of diabetes, hypertension, oral cancer, breast cancer and cervical cancer under programmatic setting in Chandigarh and Haryana. The main objectives are among population aged ≥ 18 years resident of Lalpur Subcentre and Naraingarh of Haryana and Sector 50 Chandigarh through population based integrated NCD screening, to assess the Socio-demographic, behavioral (tobacco use, alcohol use, physical inactivity and unhealthy diet, indoor air pollution and occupational exposures) and clinical characteristics of population aged more than 18 years.

Call for Proposals and Grant, World NCD Federation-IPHACON 2021

i. **Evaluation of Implementing National Health Programme in Prevention, Diagnosis and Management of Diabetes Mellitus in Rural and Urban Areas of Prakasam District, Andhra Pradesh, India**

This study is aimed at to evaluate the Implementation of National Health Programme in Prevention, diagnosis and Management of Diabetes Mellitus in Rural and Urban Areas in Prakasam District. and also to assess input, process and output indicators linked to the use of Health Care Services. A cross-sectional study is being conducted in Community Health care centres and field areas of Rural Maddipadu Mandal and Ongole Urban Corporation of Prakasam District. The main objectives are to Evaluate the Implementation of National Health Programme in Prevention of Diabetes Mellitus in Rural and Urban Areas. To Assess the indicators of National Health

Programme in Diagnosis and Management in Prevention of Diabetes Mellitus. To assess input, process and output indicators linked to the use of Health Care Services

VII. Forthcoming activities

1. 2nd International Course on Implementation Sciences and Research in Noncommunicable Diseases 11th-12th February 2022

Implementation is a major challenge in any national NCD programme as most of the NCD programmes are new. Though there is a growing recognition of the importance of implementation research, significant gaps in human resource capacity and implementation challenges still remain. CISR-NCD, World NCD Federation in collaboration with PGIMER, Chandigarh are organizing the International Course on Implementation Sciences and Research in Noncommunicable Diseases on 21st – 22nd January 2022, which will be an important step towards the growing emphasis on implementation science as an essential aspect of bridging the evidence-to-practice gap. The training will be through interactive sessions and skill development by expert faculty. The course is intended for Program Managers, Policymakers, Young researchers, Healthcare professionals, Public health professionals, Healthcare advocates and students and graduates of public health, global health, or other related subjects.

Objectives of the course:

1. To advance knowledge and practice in implementation science and research in NCDs.
2. To identify and address the barriers to effective implementation and scale-up of evidence-based interventions.
3. To apprise of strategies and activities for engaging with key stakeholders in the translation of the evidence into implementation.
4. To develop generalizable insights and best implementation practices.
5. To showcase examples of implementation research and the uptake of research findings into policy and practice.

Expected Outcomes:

- ii. Develop a pool of health professionals trained in implementation sciences and research for effective implementation of National NCD programs in LMICs
- iii. Undertake demonstration projects in LMICs to be up-scaled at state and national level.
- iv. A linkage between the evidence generated by the Centre of Evidence based research in NCDs and implemented by the CISR- WNF.