



MEMORANDUM OF UNDERSTANDING (MOU)

This Memorandum Of Understanding is executed on 18/10/2024 ("Execution Date") and is effective from 18/10/2024 ("Effective Date") till the end of the project (i.e., 31/01/2026).

BY AND BETWEEN

INDIAN COUNCIL OF MEDICAL RESEARCH - NATIONAL CENTRE FOR DISEASE FOR DISEASE INFORMATICS AND RESEARCH, a Central Government Organization, having its registered office at II Floor of Nirmal Bhawan, ICMR Complex, Poojanahalli Road, Off NH-7, Adjacent to Trumpet Flyover of KIAL, Kannamangala Post Bengaluru - 562 110, India, represented by its Principal Investigator, **Dr. MADHUSUDAN M**, Scientist 'D' (Medical), hereinafter referred to as the "**ICMR-NCDIR**" and "**The PI**", which expression, unless repugnant to the context or meaning thereof, shall mean and include its successors and permitted assigns as party of the **FIRST PART**.

And

SRI DEVARAJ URS MEDICAL COLLEGE AND R L J HOSPITAL, (part of SDUAHER - A Deemed to be University, created under Section 3 of UGC Act 1956, having its principal place of office at Tamaka, Kolar, Karnataka - 563103, duly authorized to represent by its Dean and Principal, **Dr. PRABAKAR K** and its Principal Investigator **Dr VIVEK JAYAN** hereinafter referred as "**CENTRE**" and "**CENTRE - PI**" and as party of the **SECOND PART**.

ICMR-NCDIR and CENTRE are hereinafter individually referred as "**Party**" and collectively as "**Parties**".

WHEREAS

ICMR-NCDIR has been set up with the objective of developing and sustaining a national research database on mortality, cancer, diabetes, CVD, stroke, other NCDs and their risk factors through a national collaborative network, so as to undertake etiological, epidemiological, clinical and public health research in these areas. Reliable cause specific mortality statistics are the cornerstone of national health information systems. They are essential for evidence-based decision making, for monitoring health of populations, health services planning and delivery, program implementation, policy development and epidemiological research. ICMR-NCDIR has been working in the area of strengthening cause of death certification for over 5 years.

The ICMR funded research study titled "Setting up of a system for Medical Certification of Cause of Death for non-institutional deaths in a selected area of Taluk of Kolar district, Karnataka: feasibility and Validity" is being conducted by ICMR-NCDIR in Kolar district of Karnataka. The study has been permitted to be conducted in Kolar district by the Civil Registration system of Karnataka under the Department of Planning, Program Monitoring and Statistics and by the Department of Health and Family Welfare of Govt. of Karnataka.

SDUMC AND RLJ HOSPITAL (part of **SDUAHER**) was established with the focus on provisioning of Medical Education, Research, Health Care and other Social Services to the rural population, under the aegis of Sri Devaraj Urs Educational Trust for Backward Classes, Kolar and is one of the selected institutions for study.

For the purpose the study, both the Parties are willing to collaborate as per the terms and conditions detailed in this agreement herein.

THEREFORE, IT IS AGREED AND CONDITIONED BETWEEN THE PARTIES AS FOLLOWS:

1. **Objectives of the study** - To assess the feasibility and validity of the Physician-derived Cause of Death (PhyCoD) approach in deducing cause of death for non-institutional deaths
2. PI shall be responsible for the overall execution of the study.




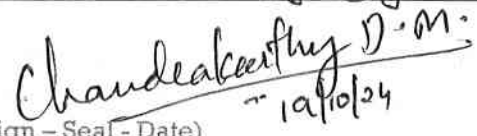
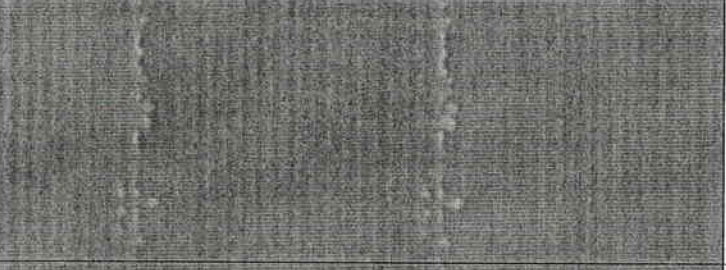
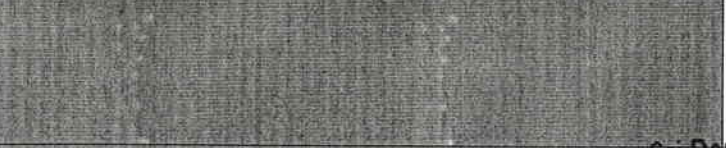




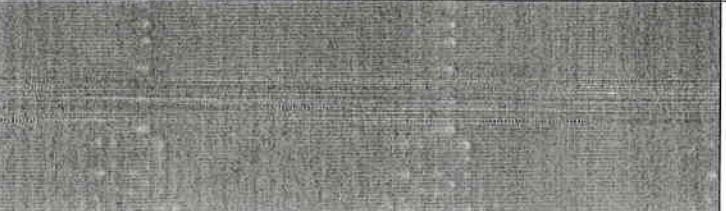
3. ICMR-NCDIR shall provide training and technical support to the Centre to execute the study.
4. The Head of the institution of the Centre shall identify the doctors who shall be participating in the study.
5. The Centre PI shall facilitate, co-ordinate, supervise data collection, ensure availability of the necessary records (especially for the pilot phase of the study) and also ensure quality assurance of the data collected.
6. The Centre PI shall also be responsible for coordinating/facilitating the trainings, meetings, site visits by investigators from ICMR-NCDIR for monitoring purposes.
7. The data shall be entered by the doctors through an online software application in a tab provided by ICMR-NCDIR. Requisite number of tabs shall be provided by ICMR-NCDIR.
8. The Centre-PI shall ensure that the tabs are maintained in proper condition and tabs and the login credentials are available only to the doctors participating in the study. The tabs shall be returned to ICMR-NCDIR intact after the completion of the data collection.
9. As ICMR is providing the complete funds for this project, the primary (raw) data of the study belongs to the ICMR-NCDIR.
10. The data collected from the study shall be used for the specified research purpose only. Both parties should ensure confidentiality of the data including identifying information.
11. Analysis, report/manuscript preparation, shall be done by the PI in collaboration with the Centre PI.
12. Any publications arising from the said data shall duly acknowledge the contribution and participation of the Centre. However, authorship in publications to the Centre will depend on the extent of contribution in manuscript preparation.
13. An annual grant-in aid of ₹ 1, 20, 000/- as a lump sum grant shall be provided to the Centre which shall be utilized towards meeting various expenses like remuneration to the involved doctors, TA, investigations etc., on mutually agreed rates.

14. The funds provided should be spent for the purpose for which they have been sanctioned and should not exceed the allocated budget. However, additional expenses incurred by the centre, as necessary depending on the number of cases, above and beyond the allocated grant may also be reimbursed subject to approval of ICMR-NCDIR. Any deviation in budget utilization needs prior approval from ICMR-NCDIR, Bengaluru.
15. Funds would be provided to the Centre's bank account or specific account having a corporate liquid term deposit facility, dedicated for this project and details of records of expenditure incurred shall be maintained.
16. The accounts shall be subjected to audit by the authorized auditors / accounts officer of the Centre.
17. Bank interest accrued in a financial year should not be utilized by the Centre and should be refunded to ICMR-NCDIR.
18. The unspent amount available at the participating Centre, out of the grant released by ICMR-NCDIR shall be refunded, if and when ICMR-NCDIR or grantee concerned discontinues mid-way or does not follow the terms and conditions laid down and approved.
19. The Centre-PI shall be responsible for the submission of annual statement of expenditure and Utilization Certificate in the prescribed format at the end of each year.
20. The release of the subsequent year's budget shall be based on the satisfactory submission of the aforesaid documents and after critically reviewing the progress of implementation of the project.
21. Any unspent balance shall be refunded to the ICMR-NCDIR on termination of the project.
22. The space and basic equipment, furniture and other assistance required for the smooth working of the project shall be provided by the Centre.
23. No assets such as furniture/equipment should be procured from the project fund.
24. No part of the software used in the tab may be copied or used without the written consent of ICMR-NCDIR.

25. In case of discontinuation of services of any person having knowledge about the login credentials, the Centre PI shall immediately bring it to the notice of ICMR-NCDIR.

26. Either party can terminate this MoU, with valid reasons by giving 90 days' notice to the other party.

IN WITNESS THEREOF THIS AGREEMENT IS EXECUTED BY OR ON BEHALF OF THE PARTIES.

 (Sign - Seal - Date)	 (Sign - Seal - Date)
Dr Madhusudan M Scientist 'D' (Medical), Principal Investigator (PI) ICMR-NCDIR, Bengaluru E-Mail: madhusudan.m@icmr.gov.in	Dr Vivek Jayan, Assistant Professor, Dept of Community Medicine Centre - Principal Investigator (C-PI) Sri Devaraj Urs Medical College, Kolar E-Mail: thevivekjyan@gmail.com
	 (Sign - Seal - Date)
	Dr Chandra Keerthy DM Assistant Professor, Dept of Emergency Medicine Centre Co-Principal Investigator (C Co-PI) Sri Devaraj Urs Medical College, Kolar E-Mail: chandrakeerthy1994@gmail.com
	 (Sign - Seal - Date)
	Sri Devaraj Urs Medical College Dr Prabhakar Tamaka, Kolar - 563103. Dean and Principal, Sri Devaraj Urs Medical College, Kolar E-Mail: dean@sduu.ac.in
	 (Sign - Seal - Date)
	Dr Muninaraayana C, Registrar, Sri Devaraj Urs Academy of Higher Education and Research, Kolar E-Mail: registrar@sduaher.ac.in

Annexure

Study components

Pilot Phase

Institutional deaths that have occurred over a period of last 3 months which have detailed case history would be selected. Brief history of the case would be abstracted and Cause of death events deduced from that.

Doctors of Community Medicine department of the Medical college would be trained in MCCD and eliciting history using the PhyCoD tool and deducing Underlying Cause of Death using this information. The trained doctors would collect history using the tool from the relatives of the deceased and deduce the Cause of Death (CoD) events based on this. This will be compared with the CoD deduced from Medical records and agreement measured. The tool will be refined based on the inputs of pilot testing and finalized.

Project Phase

Brought dead cases over a 3 month period would be considered. 1 or more doctors from the each of the major departments (where deaths occur) and also Community Medicine dept would be trained in MCCD and eliciting history using the PhyCoD tool and deducing Cause of Death events using this information for brought dead cases. For all brought dead cases to Medical College Hospital, the trained doctors would take detailed history from the relatives of the deceased including review of all available medical records, using the PhyCoD tool. They would also do the examinations and investigations which are relevant in arriving at the cause of death. Based on all these, the doctors would deduce the cause of death events in the MCCD form.

In case of medicolegal cases (where autopsy will be mandatorily conducted), and non-medicolegal cases where the relatives agree for clinical autopsy, the treating doctor shall also go through the autopsy report for arriving at the CoD events.

The history collected shall be entered in tabs provided to the doctors.