



TATA MEMORIAL CENTRE

A Grant-in-aid institution under the DEPARTMENT OF ATOMIC ENERGY,
GOVT. OF INDIA

Centre for Cancer Epidemiology

Unit for Strengthening Cause of Death Data (USCOD)

May 2023

Volume 3

The Unit for Strengthening Cause of Death Data has been working as a reliable training centre in India with a backbone of its national and international expert master trainers for Medical Certification of Cause of Death, ICD 10 Mortality Coding and the IRIS Automated Coding System. At present USCOD works across 8 states, Maharashtra, Bihar, Uttar Pradesh, West Bengal, Andhra Pradesh, Nagaland, Haryana and Punjab for training and capacity building of doctors, healthcare workers, and medical records staff. The unit acts as a technical resource provider to formulate and suggest robust training programs to the respective State Health Departments, State Medical Education Department, Private and Government Hospitals, Municipal Corporations. These training programs are delivered via virtual, hybrid and face-to-face modules. One of the major capacity building strategies of the unit is a Cascading Training of Trainers. These strategies enable government doctors, medical college faculty to carry out training of medical officers, resident doctors, interns among others in an institutionalised sustainable manner. USCOD focuses on outcome-based training programs that evaluate the efficiency and efficacy of training as well as provide needs assessment to develop better resources, strategies, reforms for the improvement of MCCD and CRVS in the nation.

KEY ACTIVITIES & ACCOMPLISHMENTS OF USCOD- (December 2022 to April 2023)

- ❖ **Advocacy meeting with the Director of Census Operations, Bihar for discussing the adoption of MCCD Form 4 and 4A across Bihar as suggested by the Office of Registrar General of India**

The USCOD and CDC Foundation team met with Shri Ramachandrudu in December 2022 at the Office of Directorate General of Census Operations, Bihar on 2nd February 2022 and discussion was conducted regarding the adoption of MCCD Form 4 and 4 A standardized formats across the state of Bihar and unifying the process of MCCD. Further discussions to facilitate the implementation of MCCD training programs for medical colleges and state government healthcare facilities and measures required implementing MCCD training programs for state government doctors and doctors in medical colleges across Bihar with support from the Director of Census Operation were discussed.



❖ **1st International Workshop on Strengthening of Cause of Death Data Quality, 10th December 2022, Mumbai**

USCOD organized a one-day 1st International Level Workshop on “**Strengthening Cause of Death Data Quality**” on **10th December 2022 in Mumbai**. The theme of this workshop was to discuss the challenges and strategies for implementation of training programs to improve the CRVS and Death Certification systems by collating national and international perspectives. The workshop was a remarkable success; it was graced by the presence of the National and International advisory members for USCOD, technical experts from the CDC Foundation, MCCD, CRVS, MLDI subject experts from India and global, government stakeholders from the state health department and municipal corporation, representatives from eminent medical colleges. The workshop was the attendance of around 130 delegates from various states of India, Municipal Corporation of Greater Mumbai, Public Health Department Maharashtra & Medical colleges & Hospitals. The one-day workshop was an excellent amalgamation of keynote lectures, training for MCCD and ICD Coding, Panel discussions, case discussions and important addresses from leaders to boost collaborative efforts beyond silos for strengthening of cause of death data quality.



❖ **National Workshop for Strengthening of Cause of Death Data, 16-17 December 2022, Varanasi**

USCOD has been working in the state of Uttar Pradesh for implementing training programs and strategies to improve the cause of death data in collaboration with the Department of Medical Education, Directorate General of Medical Education, Directorate General of Census Operations. As a part of these efforts the unit organized a two-day National Workshop for Strengthening of Cause of Death Data, 16-17 December 2022, in Varanasi, Uttar Pradesh. The workshop witnessed successful brainstorming between key national stakeholders from the field of MCCD and CRVS along with the expertise from international speakers from CDC Foundation, WHO India office. A total of 120 delegates from private medical college in Varanasi, nominated delegates from Chief Medical Officer Varanasi, MPMCC doctors attended the workshop. The key outcomes of this two-day workshop were:

1. Outlining strategic planning of training programs and resources for MCCD and ICD Coding for implementation at the central level as a part of medical and AYUSH education of doctors.
2. Collaborative efforts to introduce “**One Nation, One Software**” for improving death registration and certification processes thereby generating good quality cause of death data.
3. Creating a pool of master trainers across the nation to build the capacity of doctors, para-medical staff, and medical coders for MCCD and ICD Coding to ensure sustainability of training programs.
4. Methods to capture the data from community-based deaths.



❖ **MCCD Orientation training of doctors at Indian Medical Association, Mumbai, 22nd December 2022**

USCOD in collaboration with the Municipal Corporation of Greater Mumbai organized an orientation CME training of doctors at the Indian Medical Association, Haji Ali. This session was chaired by the IMA, Mumbai President Dr Anil Avhad and Maharashtra Medical Council President, Dr Shivkumar Utture. A total of 82 doctors including general practitioners, state government doctors attended this CME face-to-face. This CME training was recorded in the Bulletin of the Indian Medical Association (BIMA), Vol. XL XXVII No. 12/ January 2023, Mumbai Branch.

❖ **Mandatory Inclusion of USCOD MCCD e-Learning Course into interns' curriculum at Darbhanga Medical College and Hospital, Bihar, January 2023**

Department of Preventive and Social Medicine, in collaboration with the USCOD made MCCD e-Learning course mandatory for the interns at Darbhanga Medical College with the support of Dean, DMCH and coordinated by the Department of Preventive and Social Medicine.



Training of nurses at Mahamana Pandit Madan Mohan Cancer Centre (MPMMCC) and Homi Bhabha Cancer Centre (HBCH), January 2023

90 nursing Staff & officers from MPMMCC and HBCH, Varanasi, Uttar Pradesh & HBCHRC Muzaffarpur, Bihar were trained in batches for MCCD Form 2 (death report).



❖ **USCOD at the Bihar Oncology Summit, 4th and 5th February 2023**

USCOD presented the importance of the Medical Certification of Cause of death data, Registration of the birth and Death act, and the various types of MCCD forms used in death registration at the Bihar Oncology Summit conference held at Urja Bhavan Auditorium on the 4th & 5th February. 440 delegates from across the state were present for this event, a collaborative effort of the Bihar State Health Department and HBCH & RC, Muzaffarpur



❖ **MCCD Orientation training for the junior residents, senior residents, and faculties in Darbhanga Medical College, Bihar, 28th February 2023**

The unit organized a capacity-building training session for the junior residents, senior residents, consultants, medical officers, and faculties from the Preventive and Social Medicine department (PSM), Pathology, Pediatrics, Orthopedics, Anesthesia, Forensic, General Surgery Obstetrics, and Gynecology representing from each department at Darbhanga Medical College on 28th February in which a total of 90 participants attended the workshop.



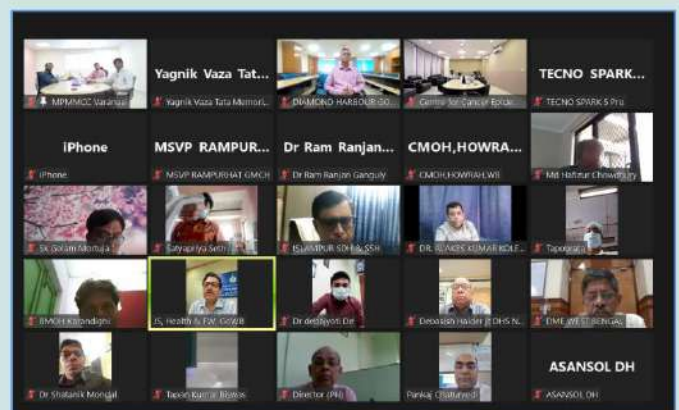
❖ **MCCD Orientation training for medical officers posted in Primary Health Centers, Community Health Centers, and District hospitals in the Varanasi district, 18th March 2023**

20 nominated medical officers posted in Primary health centers, Community health centers and District hospitals in Varanasi district were nominated with the support of the Assistant Chief Medical Officer, Varanasi. USCOD arranged for a one-day orientation training for these doctors on 18th March 2023 at Mahamana Pandit Madan Mohan Malaviya Cancer Hospital (MPMMCC).



❖ **MCCD Orientation training for state government doctors across West Bengal in collaboration with the State Health Department, West Bengal**

Two round of virtual training was conducted for doctors of West Bengal to participate in the MCCD Orientation training. The State Health Department particularly supported and prioritised training of doctors for MCCD in order to improve and strengthen the output of cause of death and mortality data at a state level. These training saw the participation of 200 doctors who attended virtually. The training included expert sessions from the USCOD Master Trainers, CDCF Technical Advisors and was inaugurated by the officials of the State Health Department. The Inaugural session provided a great platform for the high-level officials and policy makers to sensitize and motivate their doctors to sincerely undergo this one-day training in order to contribute to the CRVS system within the state and on a larger picture, the healthcare policies and programme planning in the state. Mr Rupam Banerjee, Joint Secretary- Department of Health & Family Welfare, Govt. of West Bengal provided his encouraging opening remarks followed by Prof. (Dr) Debasis Bhattacharyya, Director of Medical Education Department of Health & Family Welfare Govt. of West Bengal who emphasized on the importance of physicians' responsibility for good quality cause of death data. Dr Siddhartha Niyogi, Director of Health Services Department of Health & Family Welfare Govt. of West Bengal presented the problem statement for MCCD from the state and discussed the death registration system of West Bengal. The inaugural session was followed by the core training sessions.



❖ **MCCD Orientation training for the junior residents, senior residents, and faculties in Uma Nath Singh Autonomous Medical College, Jaunpur, Uttar Pradesh, 29th April 2023**

USCOD was able to organize a face-to-face MCCD orientation workshop for the junior residents, senior residents, and faculties representing the Preventive and Social Medicine (PSM), Pathology, Pediatrics, and General Surgery department at Uma Nath Singh Autonomous Medical College, Jaunpur, Uttar Pradesh on 29th April 2023. A total of 100 participants attended this workshop.



GENDER EQUITY STUDY

With the support from Bloomberg Philanthropies Data for Health Initiative and CDC Foundation (Gender Equity Unit), USA a study titled named **“SEX-ANALYSIS AND AGE-WISE DISTRIBUTION OF MEDICALLY CERTIFIED INSTITUTIONAL DEATHS (MCCD) DUE TO CANCER”** is been conducted at Mahamana Pandit Madan Mohan Malaviya Cancer Centre (MPMMCC) & Homi Bhabha Cancer Hospital (HBCH) both units of Tata Memorial Centres (TMC) in Varanasi, Uttar Pradesh, India and Homi Bhabha Cancer Hospital & Research Centre (HBCH& RC)- TMC unit in Muzaffarpur, Bihar, India.

Background:

The cancer burden has shown a steady increase since 2018 with an estimated 0.8 million new cancer cases every year. While these data acknowledge the global and national impact of cancer, it is important to understand the burden of cancer on a local level to develop appropriate public health interventions. There is a lack of literature regarding the pattern of incidence of cancer cases in Bihar, whereas pattern of incidence of cancer cases has not been reported since 2017 in Uttar Pradesh. Taking this into consideration Tata Memorial Centre is specifically interested in analyzing cancer data at Bihar and Uttar Pradesh facilities to report the sex-based analysis and age-wise distribution of cancer deaths reported in both units of TMC, Varanasi, and Muzaffarpur Centre and whether the profile of cancer deaths in these areas is similar or different to those reported at the national level.

Study Methodology:

A retrospective quantitative study was done in which the secondary data available from the MCCD forms during the period January 2019 - December 2022 from both the centres of TMC, Varanasi and for HBCH & RC, Bihar it was from September 2021-December 2022. Data from each decedent’s hospital records were analyzed for a total sample of 2694 from Varanasi and 125 from Bihar. Socio-demographic variables and cause of death information were collected for data analysis. Descriptive data analysis was conducted to determine the sex and age wise distribution of deaths in the respective units of TMC hospitals located in both Varanasi and Muzaffarpur. The data were analyzed using STATA, version 14. Data confidentiality is maintained by applying a password for accessing the computer that stores the data.

For learning resources to go:

USCOD YouTube Channel: https://www.youtube.com/channel/UCYVdLsHJa6_ZXmQQk4_m2eA/featured
MCCD E-Learning Course: <https://www.omnicuris.com/academics/medical-certification-of-cause-of-death>

Please visit the Unit for Strengthening Cause of Death Data website for more information on the resources provided and additional resources.

<https://tmc.gov.in/USCOD>

Doctors- Do you have questions on correct completion of the MCCD form?

Mortality coders- Do you have questions on ICD-10 coding?

Submit your questions to MCCD and ICD-10 mortality coding experts to:
coordinator.uscod@actrec.gov.in or liaison.uscod@actrec.gov.in

This newsletter was developed with inputs from the following:

Dr Pankaj Chaturvedi, Dr Rajesh Dikshit, Dr Yagnik Vaza, Dr Sharvari Mhapankar, Dr Vipin Thampi, Mr. Jean-Edgard Nguessan