ABSTRACT

National Health Mission - Tamil Nadu – Rollout of Population Health Registry in Tamil Nadu and Establishment of Population Health Registry State Programme Management Unit (PHR-SPMU) under National Health Mission – Orders- issued.

Health and Family Welfare (EAP II-2) Department

G.O(Ms) No.533

Dated : 26.11.2021
Pilava, Karthigai - 10
Thiruvalluvar Aandu 2052
Read:

From the Mission Director, National Health Mission letter Ref.No.9987/SHS/P14/2021, dated.23.09.2021.

ORDER:

During the Assembly Session 2021 - 22, the Hon'ble Minister for Health and Family Welfare has made the following announcement in the Floor of the Tamil Nadu Legislative Assembly (Announcement No. 15):-

"தமிழ்நாட்டில் உள்ள அனைத்து மக்களின் நலனை பாதுகாக்க மக்கள் நலப் பதிவு (Population Health Registry) என்னும் சுகாதார தகவல் இயங்குதளம் உருவாக்கப்படும்".

2. The Mission Director, National Health Mission in his letter read above has stated that, the State of Tamil Nadu will establish the Population Health Registry (PHR), a Comprehensive Health Information Technology Platform as a health security initiative to extend the benefits of Digital Technology with a vision to transform Tamil Nadu into a digitally empowered society that provides affordable and accessible health care to all in a secure and reliable manner. The initiative is founded on the concept of providing a Unique Health Identification (UHID) number to all the citizens residing in the State including migrants for enabling data-driven decision making at all stages from resource planning to financial outflow to treatment plan and further to improve the population-based health outcomes. During the Universal Health Coverage Meeting for Roll out of Population Health Registry in Tamil Nadu under the chairmanship of the Principal Secretary for Information Technology Department, it was decided that the Population Health Registry team will work in close co-ordination with the State Family Data Base team under Tamil Nadu e-Governance Agency for standardization of address fields across all departments and applications. He has also stated that, the Executive Committee of National Health Mission, Tamil Nadu vide circulation note dated 17.08.2021 has permitted the Mission Director, National Health Mission to form a development consortium for establishing Population Health Registry by signing a Memorandum of Understanding (MoU), Non-Disclosure Agreement (NDA) and contracts which are non-financial in nature with various information technology organizations, health care organizations, domain experts, consultants, technologist, academicians and research institutions at State, Country and International level who can contribute to establishing Population Health Registry and help to ensure a tangible future-proof outcome in a time bound manner.

3. The Mission Director, National Health Mission has further stated that, the Population Health Registry would serve as the 'Single Source of Truth' for all health and related applications which aims to bring in a common denominator for all healthcare services and programs and to also digitalize health events at various stages. The cornerstone of the Population Health Registry initiative is facilitating and developing an

Open Neutral Information and Communication Technology Infrastructure at State-level for integrating all health data and applying advanced analytics for decentralized evidence-based decision support systems/tools (DSS/DST) without compromising data privacy. The key principles of data governance of Population Health Registry Systems at all levels are as follows:

- Once-only Data Collection
- Individual is the owner of his/her data
- Zero Knowledge Proof- Based Predictive Service Delivery
- Secured Anonymized Data for Analytics

He has also stated that, no manual reporting is the most important milestone needed to be achieved in the digitalization process. Integrated Comprehensive Health Staff Friendly Information Technology Systems, Compliance to regulatory standards, aligning with Government of India Guidelines, Cyber security enabled solutions and advanced emerging technology adoptable solutions will leverage the existing health systems to handle crisis. The journey to strengthen the denominator of the State is an evolving process, building on a shared vision to achieve the Sustainable Development Goals (SDGs).

4. The Mission Director, National Health Mission has further stated that, the Unique Health Identifier, a ten-digit unique identification number (Eg. S100200300) is proposed to enable interoperability, synthesise multiple sets of information across time horizons and ease operations relevant to health. The State Family Database (SFDB), Civil Registration System (CRS) and verification by field staff at community level are the primary sources of Population Health Registry individuals' details. Unique Health Identification provided under Population Health Registry is the proxy identifier of the "Makkal Number" of State Family Database (Eg: AXHLDPH, 7digit alphabet ID), National Digital health Mission ID (Eg:33-0123-4567-8900, 14-digit number) and other existing identifiers of health programmes/schemes like Non-Communicable Disease Programme ID (Eg: 9119765, random number system generated number). Population Health Registry is a continuous process of on boarding health applications along with standardization of unique identifier for individual, Family, Health facility and address units like street ensuring interoperability of health data. The Mission Director, National Health Mission has furnished the Population Health Registry rolling out plan as follows:-

- The establishment of Family folders is the key activity under Universal Health Coverage (UHC), Population Based Screening (PBS) and Makkalai Thedi Maruthuvam (MTM). Staff engaged in service delivery of the aforementioned schemes shall be oriented on Population Health Registry. IT infrastructure like servers, desktops/laptops, internet connectivity, SMS gateways, Application Programme Interfaces (APIs), Internet of Things (IoT), surveillance devices shall be made available by National Health Mission - Tamil Nadu for establishing scalable Population Health Registry Information Technology platform.
- Digital competencies of staff involved in Population Health Registry shall be strengthened through digital learning tools, 24x7 help lines, tele-consultation, and tele-mentoring on job-oriented training in data collection, management, and interpretation. Support teams at various levels of health systems shall be established for quick troubleshooting, custom reports, and maintenance of Information Technology systems. Organized community efforts and systematic social action are needed for sustainable engagement of citizens through health advocacy, health promotion and target IEC regarding Population Health Registry.
- Triangulation / multilateration of field reality with Population Health Registry data by field visits are essential in successful implementation. Digital training, Support

system and Mentoring shall be the priority agenda during review meetings at all levels. Operational research / Implementation research (OR/IR) shall be conducted regularly for course correction, improving the quality of Population Health Registry data and evaluation of implementation status to ensure an Information Technology platform which is sustainable and scalable. The State will own the Intellectual Property (IP) of the Population Health Registry and its outputs.

5. The Mission Director, National Health Mission has further stated that, a State Programme Management Unit (SPMU) shall be constituted with existing human resource on diversion basis at National Health Mission –Tamil Nadu for rolling out Population Health Registry in the State. Similar teams at Directorate, Regional, District, Block, Corporation, Municipality, and health facility level are to be formed. The Special Programme Implementation Cell at the Hon'ble Chief Minister Office will also support the State Programme Management Unit in rolling out Population Health Registry in the State since it is a flagship programme announced by the Hon'ble Chief Minister. A dedicated Advisory Committee shall be established to guide the Population Health Registry - State Programme Management Unit with subject experts on an honorary basis. Further, a Steering committee shall be constituted with key contributors of Population Health Registry for scrutinizing the activities under Population Health Registry. The Population Health Registry team is functional under National Health Mission – Tamil Nadu. Health Officer under Directorate of Public Health and Preventive Medicine is designated as the Nodal Officer (Technical) for rolling out Population Health Registry in the State. Population Health Registry - State Programme Management Unit will be the first step towards rolling out the National Digital Health Mission in the State and will form the baseline data for future expansion. Population Health Registry is envisaged to evolve as an entity for managing health related application development, integration, implementation, data privacy, data security, data standardization, data interoperability and data analysis. Non-financial collaborations shall be engaged through Expression of Interest (EoI) and all financial requirements shall follow existing National Health Mission norms towards establishment of Population Health Registry as an open-source development consortium. Additional resources required for establishing Population Health Registry will only be procured as services through National Informatics Centre, ELCOT, Tamil Nadu e-Governance Agency or Tamil Nadu Medical Services Corporation Limited.

6. The Mission Director, National Health Mission has also furnished the expected benefits of the implementation of the Population Health Registry as follows:-
o Population Health Registry, the denominator with a live line list of the State's population, is fundamental for reflecting the hard efforts of the State's Health System in National level estimates and rankings.
o Population Health Registry will provide realistic and achievable targets based on a line list updated by field staff for delivering citizen centric health services.
o Population Health Registry will establish a platform for primary care coordination, data interoperability, data standardization and accessibility by both Government and Private health facilities to combat health crisis like the current CoVID-19 pandemic.

7. The Government have examined the above proposal of Mission Director, National Health Mission in detail and accordingly issue orders on the following:-
i. The Mission Director, National Health Mission is permitted to establish a Population Health Registry State Programme Management Unit (PHR-SPMU) under National Health Mission –Tamil Nadu and rollout Population Health Registry in all directorates, Societies, Corporations and Private health facilities in Tamil Nadu for linking health data through a Robust Comprehensive Integrated State-Owned Information Technology Platform, subject to the condition that, this scheme should

be implemented by National Health Mission without any additional financial implication to State Government and post creation.

ii. The Mission Director, National Health Mission is permitted to procure required services for establishing Population Health Registry Health Information Technology Platform in a time bound manner by utilising and pooling the existing funds approved under various schemes like Makkalai Thedi Maruthuvam (MTM), Universal Health Coverage (UHC), Population Based Screening (PBS), National Digital Health Mission (NDHM) funds, 15th Finance Commission funds and all Information Technology (IT) related funds approved under National Health Mission's Record of Proceedings (RoP) for various health schemes to establish Population Health Registry.

iii. The Mission Director, National Health Mission is permitted to involve all health and related departments like School Education, Integrated Child Development Services, Rural Development, Tamil Nadu Corporation for Development of Women to arrive at a common denominator.

iv. The Mission Director, National Health Mission is permitted to establish an open-source development consortium for establishing Population Health Registry as a sustainable and scalable Health Information Technology Platform by getting Expression of Interest (EoI) from organizations willing to collaborate.

8. This order issues with concurrence of the Finance Department, vide its U.O.No.46192/SS(RHT)/Health-I/2021,dated:26.10.2021.

(BY ORDER OF THE GOVERNOR)

J.RADHAKRISHNAN
PRINCIPAL SECRETARY TO GOVERNMENT

To
The Mission Director, National Health Mission, Chennai-6.
The Principal Secretary / Commissioner, Greater Chennai Corporation, Chennai - 3
The Principal Secretary, Information Technology Department, Chennai -9
The Principal Secretary, Rural Development and Panchayat Raj Department, Chennai – 9
The Principal Secretary, School Education Department, Chennai – 9
The Principal Secretary, Social Welfare and Women Empowerment Department,
   Chennai – 9.
The Principal Secretary, Special Programme Implementation Department, Chennai -9
The Managing Director, Tamil Nadu Medical Services Corporation Limited, Chennai-8
The Director of Public Health and Preventive Medicine, Chennai -6.
The Director of Medical and Rural Health Services, Chennai - 6
The Director of Medical Education, Chennai -10
The Pay and Accounts Officer (A&E), Chennai-600 018
The Accountant General, Chennai-18.
The Pay and Accounts Officer (South), Chennai -600 035.
Copy to:
The Special Personal Assistant to Hon'ble Chief Minister, Chennai-9.
The Special Personal Assistant to Hon'ble Minister (Health and Family Welfare),
   Department, Chennai – 9.
The Finance (Health-I) Department, Chennai-600 009
The Health and Family Welfare (Data Cell) Department,Chennai-600 009.
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SECTION OFFICER