



Mother and Child Tracking System (MCTS)

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ABSTRACT

Mother and Child Tracking System (MCTS) is a recent initiative of Ministry of Health & Family Welfare Govt. of India with the help of information technology for ensuring the availability & accessibility of full spectrum of healthcare and immunization services to pregnant women and under 5 children, to reduce the maternal mortality, morbidity & neonatal mortality & morbidity. Due to the lack of availability of health care services in the rural part of the country the maternal mortality as well as morbidity rate were high. To control this situation Govt. Of India started this particular programme.

Keywords: MCTS, mortality, Morbidity, information technology

INTRODUCTION

MCTS is an innovative, web-based application, developed by NIC, to provide and monitor the service delivery and effectiveness of the service delivery as well as to establish a two-way communication between the service providers and the pregnant and lactating mothers. When ever any clarification of services or any services required means the beneficiaries are able to contact the concerned health care providers through this application. This option is very much useful for the beneficiaries those who all are living in the rural part of the country. This is considering as the important uses of this particular application. The other important uses of this particular web based application consists of generation of work plans of ANMs, sending regular alerts to the service providers as well as beneficiaries about the services due and its user-friendly dash board for health managers at various levels to monitor delivery of services will go a long way in ensuring quality service delivery, micro birth planning, ensuring universal immunization and will have positive impact on important health indicators like Infant Mortality Rate and Maternal Mortality Ratio. This application will be helping the service providers to evaluate the effectiveness of the programme. It will also help in evidence based planning and continuous assessment of service delivery to pregnant women and children. Through this application the necessary health care services are offering to the pregnant and lactating mothers. The availability and accessibility of health care services helpful to reduce the maternal mortality as well as morbidity rate. Through this application the higher-level officials those who all are working in the health care department can allot the works to the staff those who all are working at the periphery level. This is also one of the other advantages of this particular application.

Mother and Child Tracking system (MCTS) is a name-based tracking of pregnant women so that adequate and timely feedback may be given to the health workers who may, in turn, ensure that

pregnant women receive adequate Ante-natal, intra natal and post-natal care besides encouraging institutional deliveries. With the effective use of this particular application from the pregnancy registration to delivery of the child we can able to check the health status of mother and child and as per the condition we can provide the services also.

MCTFC is working as a call centre setup and from here they will validate and verifies records of beneficiaries and health workers. Under this centre they will double check the data's registered by the health workers, to ensure the availability of correct data. Contacts service providers and recipients of mother and child care services to get their feedback on various mother and child care services, programmes and initiatives and do the necessary modification in the implementation of the programme.

The feedback helps the Government of India / State Governments to easily and quickly evaluate the programme interventions, and plan appropriate corrective measures to improve the health service delivery. As on June, 2018, 1.2 crore beneficiaries and health workers have been contacted from MCTFC.

Objective of MCTS

The major objectives of Mother and Child Tracking System (MCTS)

- To ensure the delivery of maternal and child health services from conception till 42 days, after delivery in the case of pregnant women and up to 5 years of age in the case of children. The pregnant women and children are considering as the vulnerable sections of the society. For them essential health care services are very much important
- An innovative characteristic of MCTS is the application of the IT-Tools for its execution right up to the village level to higher level. With the help of IT same time data recording will be happening and this also very much help full for providing quality health care services
- It is an innovative e-governance project by the high-power Committee constituted under the chairmanship of the Cabinet Secretary. It will be helpful for the easy allocation or disbursement of financial supports to the pregnant mothers.

Salient features of MCTS.

Efficient digital data-entry to reduce paper-work & can easily collect the data's.

The application has encoded antenatal, postnatal, infancy and childhood forms for hassle-free one-time entry of data that can be directly uploaded online. Digital data entry's will be helping to avoid the duplication of the data recordings. This data's will be available to all the health care workers those who all are working at the periphery and higher-level staffs also.

Identification and referral of high-risk cases also is one of the other features of MCTS. Early identification will be helpful to reduce the mortality as well as morbidity rate. This application gives real-time situational alerts on high-risk factors present and referrals to be done along with correct treatment methodology. SMS-alerts are sent to the concerned health functionaries as well as beneficiaries to ensure follow-ups to complete the loop of care.

Access to training videos 21 refresher video-guides is uploaded in the application. The videos are created in the local language for easy understanding, they provide a step-by-step guidance on conducting a variety of examinations and tests during pregnancy and childhood.

Mother and child Tracking and Facilitation Centre (MCTFC)

The MCTFC is a call centre and is designed, to get feedback of beneficiaries on various mother and child care services and programmes to evaluate the programme interventions, to create awareness among them about health services and promoting right health practices and behaviour to provide a supporting framework to MCTS and help in validating the date entered in MCTS by making phone calls to pregnant women and parents of children as also the health workers.

Benefit to the Beneficiaries

- MCTS can benefit to the Beneficiaries by providing Information about required services in easy manner
- Advance information about the due services
- Getting information's regarding different Government Schemes & Benefits
- Facility to contact with Health Service Provider if any clarification
- Facility in timely delivery of full complement of services
- Flexibility to availing the services from any Health Centre based on need
- Free consultation from Central Helpdesk (Toll Free No10588)
- All these information's will be getting in their mobile phones in the form of messages.

Benefits to health workers

- Auto generated of work-plans will be available for health care providers
- Readily available Services due list
- Micro planning for field Visit
- Contact details of the Beneficiaries for emergency contact purpose
- SMS based work-plan will be helpful for easy implementation of work
- Better guidance from senior supervisors helps to provide quality health care services to the beneficiaries.

CONCLUSION

India like a developing country the pregnancy associated mortality as well as morbidity rate was very high due to certain believes of the couples. To reduce the mortality rate Govt.of India started MCTS system.

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