Primary Health Centres (PHCs) are responsible for providing basic health services related to Antenata
The health workers have to send a lot of periodic reports to the supervisors or higher authorities and

The "mCARE'' has two major components working in tandem.

   - "health@palm" – an mHealth application which runs on smart phones and empowers
health workers for health data capture and retrieval.
   - Centrally hosted web based application for health related data analysis and report
generation which is accessible to higher authorities.

The application can be accessed through URL http://rhmis.kerala.gov.in/

Health workers are given smart phones or PDAs with "health@palm" loaded in it. The
application is capable for handling all the field activities of the root level health workers and it
can also replace the field diary. The health worker conducts surveys and enters data on
household, demographics and health related data such as reproductive health, maternity health,
immunization etc. into their handheld devices using "health@palm". Once in a month, they
return to their main Primary Health Centre (PHC) and sync up the smart phone / PDA with the
computer in PHC. The server side web based application can transfer data collected in
handheld device to the Central Server hosted at Data Centre, Thiruvananthapuram. This web
based application will generate reports like monthly data set for sub centre and registers such
as Family Heath Survey, Mother and Child health, Immunization reports etc. Apart from the
usual reports that are already in use at the health centres, the system can generate reports on
Immunization alerts which will help the health workers in scheduling the immunization activities
for the coming month or day. Graphical and custom (dynamic) reports are other very helpful
features added in the system.

The pilot implementation of "mCARE" is carried out at 120 health sub-centres in 20 PHCs

covering three blocks Vettom, Valavannur and Kuttippuram under Tirur taluk of Malapuram district in Kerala jointly by CDAC and NRHM. As part of the implementation, C-DAC has set up a Central health information server, connectivity and other accessories at data centre, Thiruvananthapuram. Necessary infrastructure with PCs, UPS, Printers and furniture are also provided at all PHCs under the three blocks. A total of 119 smart phones are already handed over to the health workers in these blocks. An extensive training programme was also conducted at these three blocks for all the health workers. Medical Officers and other supervisory staffs are also trained and are very delighted with the new initiative. Health workers at these three blocks in Tirur Taluk have started making use of smart phones for providing better health care services to the rural masses.

To establish the connectivity between PHCs and Data Center, C-DAC uses Kerala State Wide Area Network (KSWAN) or BSNL broadband.