State Digital Health Mission (SDHM):

To meet the growing demand for IT initiatives within the health department, eHealth Kerala PMU was converted to State Digital Health Mission (SDHM) in 2021 with an additional role to play in bringing digital transformations to healthcare. Out of five components, eHealth Kerala is the core component of the State Digital Health Mission (SDHM), followed by Ayushman Bharat Digital Mission (ABDM), Health Innovation Zone, Special Projects, and other Departmental Projects

e-Health Kerala was launched with the concept of **'One Citizen One Electronic Health Record'**. A state-owned centralized healthcare private cloud is built which can store and share data of all residents within the government hospitals of modern medicine. eHealth Kerala extends its services to all types of government hospitals starting from PHC to medical colleges. As part of the project, the hospitals are provided with a robust IT hardware and network infrastructure through which healthcare workers can connect to the centralized Hospital Management System application hosted in the State Data center for their daily operations. eHealth is currently functional at 446 government hospitals in Kerala. eHealth has two major components, the Public Health Management System (PH) and Hospital Management System (HMS). The uniqueness of the project is that both components are tightly coupled which is the first of its kind in India.

As part of the Public Health Service surveys are conducted across the state and certain citizen details are captured. When a surveyed person visits any eHealth-implemented institutions a permanent UHID is generated and given to the patient based on AADHAAR An efficient and robust token management system of eHealth helps healthcare workers to manage patients efficiently. Doctors can order the investigation and prescription and document the diagnosis through the HMS system. By better use of the eHealth Kerala HMS better services can be provided to the patients visiting the public health facilities.

State Health App Initiative For Lifestyle Intervention (SHAILI):

An android-based mobile application "SHAILI" is launched by eHealth Kerala for the ASHA workers to carry out a population-based risk factor assessment for common NCDs like hypertension, diabetes, oral cancer, cervical cancer breast cancer. Pre-defined questionnaires are provided in the application which the ASHA workers assess the risk factors during their home visits and update in the mobile app. The person with a high CBAC score is referred to the nearest subcenter /PHC/CHC for screening and diagnosis. Reports and dashboards to monitor these fields' activities are also provided as part of this application.

A trial run of the SHAILI app was done in December 2021 and based on the feedback received corrections were made to the application. SHAILI app was launched and inaugurated by the Honorable Chief Minister of Kerala on 17th May 2022. Government institutions identified in 140 panchayaths across Kerala started using the application and have completed the population-based survey for more than 14Lack citizens as on 30 Aug 2022. This will be extended to the rest of the government institutions soon.

The development of a cancer screening portal is in progress and will be launched once completed. With the help of RCC Trivandrum, a Kerala Cancer Registry and Hospital-Based Cancer Registry will be developed as phase 2 of the cancer care suite. Along with this, a Bone Marrow Donor Registry will also be developed.

Reference Links:

https://shaili.ehealth.kerala.gov.in/dashboard/ReportsCatPublic/shaili_surveystatus

https://prdlive.kerala.gov.in/news/253755

https://www.thehindu.com/news/national/kerala/population-based-screening-for-ncds-reach-10-lakhs/article65780284.ece