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Today, internet became the main source of all kind of information and as well as related information in developed countries and all around the world. As the starting age to use the internet is reduced. The use of the Internet for health purposes is increased in all age groups. Also users started to use internet as a communication channel for reaching health professionals. Starting from 1990's, health care institutes started to use information retrieval systems and internet to organize patient data and share information among other staff. In TRNC, approximately all health organizations have their own patient database to store and retrieve information about patients but there is no common system between these health care institutes. This situation may cause problems regarding reaching patients' history which is a very important issue for choosing suitable treatment. Main objective of this study is creating e-health system architecture for TRNC which combines all governmental and private healthcare organizations and workers together in electronic environment.