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# **Provide a new architecture to improve security and reduce hardware constraints for the transfer of medical data related to pregnant women through mobile phones using cloud computing technology.**

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**abstract** The maternity period is the important period in whole life of women and healthcare of women during this period is the most effective parameter for society health. The number of babies who were born in year 95, the end of Khordad month is 368339. This number shows that about 400 person during the 9 months involve with checkup and control of pregnancy period. These checkup will do in hospital and clinics that has a lot of cost for any country. The first problem is that there is no electronic system to share the maternity data. The second problem is 20% of maternity are rest-home. Because of improving technology we can by monitoring the maternity (mashkh) and using the mobile and cloud computing solve these problem. There are different way to improve the quality, and security to manage data in cloud computing. In Mobile and application part, there are different way to improve security, reduce the hardware limitation and data management. During of this research, in first step we consider security issues in mobile part that use for managing data. In second step we search about security issues which are important in cloud computing area, and in final step we consider a new architecture to increase a minimum security by combining two part, namely mobile device and cloud computing. Because of wide content for these parts of study, to do our job we consider the issues of data management that are related to maternity. We use some electronic device that will be attached to women and the patient's data will be transferred to hospital or clinics by using our system. We use a new architecture to transforming these data and increase the security issues and solve some previous

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**methods.**

**Keywords : cloud processing,security,mobile**

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