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Highlights

- Sentiment analysis was performed on the Twitter data using the keywords viz. fitness apps, diabetes app, meditation app, and cancer app representing the types of mobile health applications.
- Perception and usage experience of mobile health applications among the citizens has been studied and identified that except for cancer application there exists a positive polarity towards the fitness, diabetes and meditation application among the users.
- System thinking approach followed with the help of causal loop diagram for identifying the relationships between the variables influencing the accessibility and acceptability of mobile health application among the citizens, healthcare, patients and application developers which help them in understanding the dynamics involved in system.

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