Wearables and Big Data in Healthcare

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The Society for Clinical Data management announced its 2nd conference in India on the 11th & 12th of December, 2015. The conference was conceived around the idea of creating a platform for professionals from different spheres in the C.R.A.M.S industry to converge and share their expertise. This was also recognized by many attendees as a learning and development platform that gave insights on the current
industry trends and latest updates in Clinical Research.

India is now being identified as a pivotal point in contributions towards Data management. The conference theme was thus identified as "Innovations in CDM- Vision 2020: People, Processes & Technology".

One of the session during the conference was 'Wearable Devices, Mobility & The Big Data Challenge' presented by KV Subrahmanyam. During his session he spoke about three user segments for wearable market. "There are currently three top user segments for the global wearable sensors market, security, healthcare, and fitness. Of these, healthcare and fitness are the two segments where wearables are gaining increasing acceptance. Some of the applications of wearables (wrist bands, smart clothing, smart contact lens, smart shoes etc) in this sector include remote patient monitoring, booking doctors appointment, 24*7 tracking/monitoring of senior citizens, constant health monitoring, sending critical alerts to the doctor, etc among others", he said.

Wearable devices collect a host of information about the users (or patients as the case maybe). As the wearable devices are gaining more momentum and increasing adoption, these generate a lot of data, or big data. With the help of analytics, this big data can prove to be of greatest value and provide many useful insights such as, better patient recruitment for clinical trial, monitoring patient adherence, identification of undiagnosed patients, better disease pattern analysis, accelerating drug innovation, customised drug development etc.

"Though big data provides opportunities, it also brings a great deal of challenges with respect to storage, access and security. The firms trying to leverage the potential of big data, have to overcome these challenges for successful implementation of the

data", he added.

The conference content was spread over 2 days with more than 200 delegates including about 40 speakers each with an expertise in a different domain, 2 keynote sessions from recognized experts in the clinical data management field, FDA video cast, panel discussion, leadership forum, thought leadership session and a student debate session. There was an equal opportunity for various components of this
industry to put forward their views on the innovations in technologies that can impact the future of Clinical Data Management.