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PATIENT MONITORING | WEARABLE SOLUTION | AN ASSESSMENT

There is growing demand for the increased use of wearable devices in monitoring patient conditions. Multiple providers are offering solutions in this space.

In-Facility Monitoring | This is an ideal environment to deploy wearable based solutions. A standardized set of wearable devices can be easily deployed across all patients. The wearable solution in this environment eliminates network connectivity and data quality issues, faced with an at-home patient environment. In-facility wearable solution provides consistent monitoring, reduces on-site nurses' participation and provides for centralized alert monitoring. Facility is able to maintain and manage wearable including re-use. Ardent Healthcare recently announced the system-wide deployment of In-Facility wearable solutions.

At-Home Monitoring | At-home patient monitoring is an option currently offered by multiple vendors. At-home wearable solutions while effective face multiple challenges. Cost of wearable solution per patient is in the range of \$3,000 to \$5,000 per year. Adding to the cost hurdle is the data integrity quality issues impacted by the At-home patient WI-FI network. Other limiting points including patient training, data capture and processing by solution vendors and outcome processing by the providers; affect At-home wearable solutions. Each of these hurdles and only specific patients needing constant monitoring, limits the deployment of At-Home wearable monitoring. It is predicted the deployment of At-Home monitoring will be around 10% of At-Home patients. Firms marketing (Ceras, cDOC, Athelas and AccuHealth et al) offer systems suitable for Obesity Hypertension, Health conditions and Diabetics leaving almost 85% of routine, at home patients unserved.

Wearable Patient Monitoring has arrived and it is ideally suited for In-Facility monitoring. The need, high cost, specific medical conditions monitoring and a lack of standardized monitoring devices will continue to limit the At-home wearable solutions.

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