

MyNotifi® Mitigating Features

We often hear how family members find loved ones after hours of lying on the floor or being incapacitated for some reason. It is known that with each passing hour, the rate of survival diminishes. With this in mind, we are pleased to offer MyNotifi®, not only for fall detection, but for the mitigating features outlined below. These features greatly diminish the potential of finding loved ones in compromised situations where time is of the essence. When falls are detected or the user requires support, the family is notified immediately. If loved ones using MyNotifi are incapacitated for any reason, the disconnection, idle, and battery monitoring features are designed to inform family caregivers of these activities within a 3 hour period. Unless the users smart device is not working, finding your loved ones on the floor after long periods of time is greatly diminished.

MyNotifi® is highly accurate in terms of its ability to detect falls. Mathematically, the current device allows for a fall detection level that ranges between 85% and 90%. Given that fall detection for the actual user was performed with volunteers in situations that staged or simulated falls the user level of fall detection that has been achieved is slightly lower. Based on both mathematical prediction and actual user testing, some falls may not be detected. Additionally, there are some movements that generate false alarms, although these are minimal.

MyNotifi® has additional features that no other products have and which provide support for a variety of situations, some of which might include those where the device does not pick up a fall or where the user has not fallen but needs assistance, recognizing disconnections and when the device is idle, and notifications regarding battery levels. These features that we call “mitigating features”, offer additional protection to you or your loved ones and keep the family of caregivers constantly connected and ready to lend support in times of need.

Request for Help: In the event the user of MyNotifi® requires any type of support, the main page of the app has a “Request for Help” button. The user of the device simply touches the button and the app confirms their need for help and then sends the Request for Help Notification to the family of caregivers.

Tapping Feature: In the event the user of MyNotifi® requires any type of support, and the smart phone may not be in reach, the user of the device needs only to vigorously tap the face of the device. The device algorithm will send a signal to the smart phone (smart phone must be in range and connected) which, in turn, sends a notification to the family of caregivers that support is needed.

With most other devices, it is unknown whether or not the device is connected, being worn by the user, or if the battery is charged. Determining this is often left to call centers whereby phone calls are made to the user soliciting this information. MyNotifi® is engineered to know this information and alert the user and family offering ample opportunity for support.

Disconnect Notification: If the smart phone and device are inadvertently disconnected, the smart app will alarm (using the same ring tone from the phone) notifying the user of the disconnection. The user of the device simply needs to move back into range and the device will automatically reconnect to the smart app. If connection is not re-established within one hour, the smart app will notify the user reminding them to connect. This process is repeated at hour number 2 if still disconnected. If still disconnected at hour number 3, the smart app then sends a signal to the family of caregivers as support may be needed.

Idle Notification: It is assumed that users of the device will take off the device from time to time. MyNotifi® is engineered to sense movement. When the device is idle a schedule sends notifications to the user and family of caregivers. If no movement is detected for a one hour period, the device notifies the user of inactivity. This process is repeated at hour number two. At hour number three, the smart app will notify the family of caregivers of inactivity. This is important because inactivity can be caused by a number of things, such as taking the device off or potentially a medical condition whereby the user of the device is incapacitated.

Battery Monitoring: As we all know, if the device battery is completely drained, MyNotifi® is not able to support you or your loved ones. MyNotifi® is engineered so that the smart app recognizes and monitors battery drain. When remaining battery charge is at 20%, the smart app reminds the user of the device to charge the wrist band. If no action is taken, and the remaining charge falls to 10%, the smart app sends the family of caregivers a notification. This will allow for support relative the battery charge.

Artificial Intelligence, as an industry, is still in its infancy. Artificial intelligence is as much an art, relative building neural networks, as it is a science. MyNotifi® employs artificial intelligence and was developed with the support of Angelo State University's Physical Therapy Department through an IRB(Internal Review Board) approved collaborative project. Additionally, the development of MyNotifi® included adherence to guidelines put forth by the FDA including required documentation and testing in order to meet Class I (Exempt) Device standards.