

Sensoria Health and Defender partner to develop Cool Smart Diabetic Walkers

Foot Defender powered by Sensoria is a new fashionable and effective IoMT-enabled digital footwear system in development to help reduce patients' risk of amputation.



Redmond, Washington Jun 8, 2022 ([Issuewire.com](https://www.issuewire.com)) - [Sensoria® Health](#) a leading developer of smart garment and remote patient monitoring solutions, and Defender, designer and manufacturer of protective diabetic footwear that works great and looks great, announce the future availability of “Foot Defender® powered by Sensoria” IoMT (Internet of Medical Things) footwear that is powered by mobile and cloud patient monitoring technology.

One of the most dangerous and expensive complications of diabetes is represented by diabetic foot wounds, which will occur in up to one-third of people with diabetes. The total worldwide cost of diabetic limb complications is estimated to be \$48B. In the US, direct costs associated with these complications exceed the cost of each of the five most expensive cancers.

According to the World Health Organization, over 422 million people suffer from diabetes. In many countries, including the USA, diabetes is now an emergency of epidemic proportions, and diabetic foot complications are one of the most painful effects: in the world every 20 seconds, a lower limb is lost due to diabetes.

Conclusive research proves that patients suffering from diabetic foot ulcers must wear protective footwear that helps to offload the area of ulceration for at least a few weeks to improve blood circulation, increase chances of healing and reduce the risk of amputations.

The “Foot Defender® powered by Sensoria” boot intends to leverage the industry-leading Sensoria’s remote patient monitoring mobile and cloud software, and Sensoria® Core hardware and sensor technologies to monitor patient adherence and activity. Foot Defender is clinically proven to offload 50% more pressure from a diabetic ulcer than other boots currently on the market. The system provides behavioral feedback to the patient wearing the smart boot in real-time via a 4G enabled smartwatch application that also allows clinicians to remotely monitor patient adherence and activity via the Sensoria RPM Cloud System developed on Microsoft Azure’s HIPAA compliant and FHIR interoperability foundation. The defender will provide clinicians the tools and enable the appropriate reimbursement to provide patients with a level of care that has previously never been available.

“The combination of Sensoria’s remote patient monitoring wearable technology, behavioral feedback enabled mobile app, artificial intelligence Microsoft Azure cloud software solutions along with Defender’s unique medical footwear design, and clinically proven offloading technology will change the way diabetic foot ulcers are treated. We are excited about this partnership and look forward to bringing the next generation of elegant and smart diabetic footwear to market,” says Davide Vigano CEO of Sensoria Health Inc.

“Adding the ability to remotely monitor a patient's adherence with the Foot Defender will change the way diabetic foot ulcers are treated.” says Jason R. Hanft, DPM, FACFAS CEO/Founder of Defender.

This partnership is a joint development effort that incorporates Sensoria’s technology with Defender’s line of products and will create a new category of solutions for wound care professionals. These new products will not only provide valuable feedback to patients but will also provide clinicians with critical data on patients’ compliance and usage patterns for healing diabetic foot ulcers and reducing the risk of recurrence. Both companies are looking for early adopters to test this new product.

For more information visit <http://sensoriahealth.com/> and <https://footdefender.com/>

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