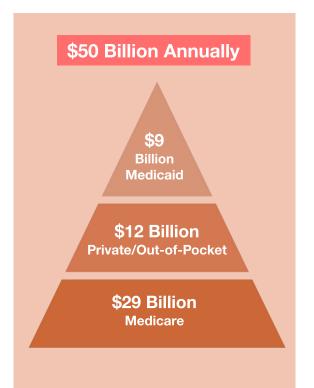


Pendulum

The smart insole for fall prevention

Falls Among Older Adults Are



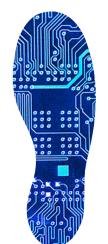




https://www.cdc.gov/homeandrecreationalsafety/falls/index.html

Pendulum Solution

Pendulum is an insole with sensors and predictive algorithms



Pendulum provides



Alerts based on Fall Risk Estimation

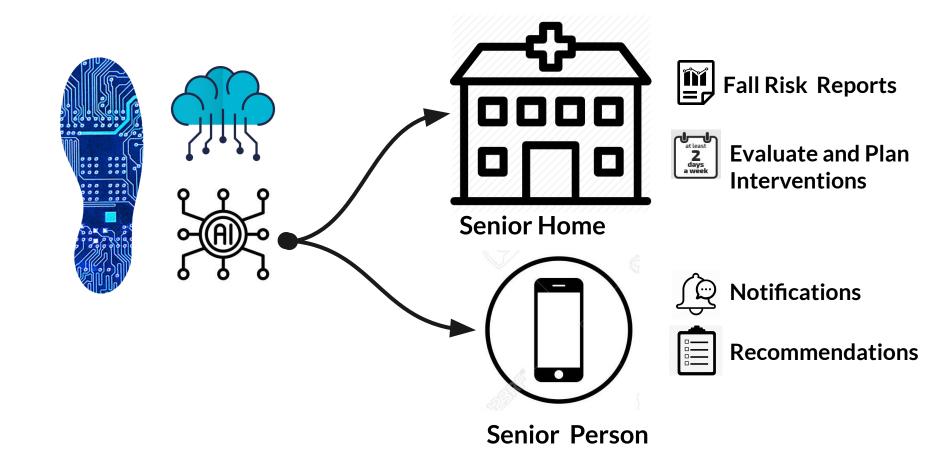


Monitors continuously and long-term



Easy to use, embedded in apparel

Pendulum Fall Risk Prevention System



Market - Healthcare Predictive Analytics

Healthcare Wearables

Examples of how wearables might transform information and understanding of peoples health status

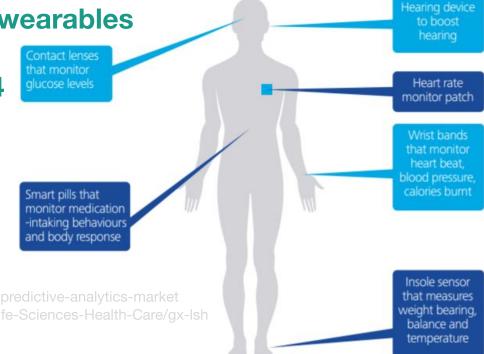
Wearables invade the market

Venture funding of biosensors & wearables

- Increased 5 x from '11-'13
- 74 mil biosensors shipped '14

mHealth market revenue

- reached \$2.4 b in 2013
- expected \$19.5 b by 2025



https://www.grandviewresearch.com/press-release/global-healthcare-predictive-analytics-market https://www2.deloitte.com/content/dam/Deloitte/global/Documents/Life-Sciences-Health-Care/gx-lsh c-healthcare-and-life-sciences-predictions-2020.pdf

Market Fall Risk - Elderly Homes

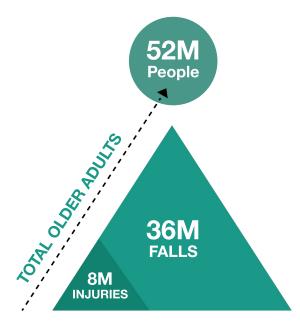
Elderly population needing care

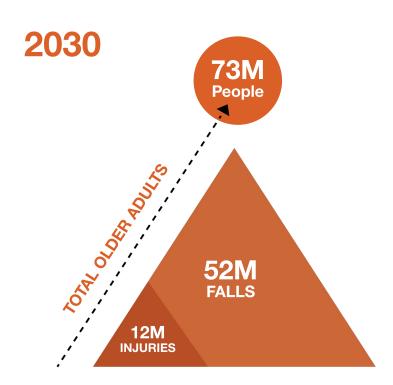
Country	Home Care	Private Care (no of beds)
Germany	1.5M	0.6M
France	0.8M	0.5M
UK	0.5M	0.5M
US	3M	1.4M
Japan	>10M	Trend is to do care at home

https://content.knightfrank.com/research/656/documents/en/european-healthcare-care-homes-elderly-care-market-2020-6902.pdf https://www.reuters.com/article/us-health-coronavirus-japan-elderly/in-japans-elder-care-homes-coronavirus-tests-limits-of-overstretche d-staff-idUSKBN22O0T8

Market Fall Risk - Seniors

2018





Competition

Non insole or foot wearable devices:

- Smartwatches (Arjo NSD)
- Escos Copilot
- Philips GoSafe2
- E-Vone
- Lindera

Insole based devices

- FeetMe
- No early warning
- No (automatic) fall risk estimation

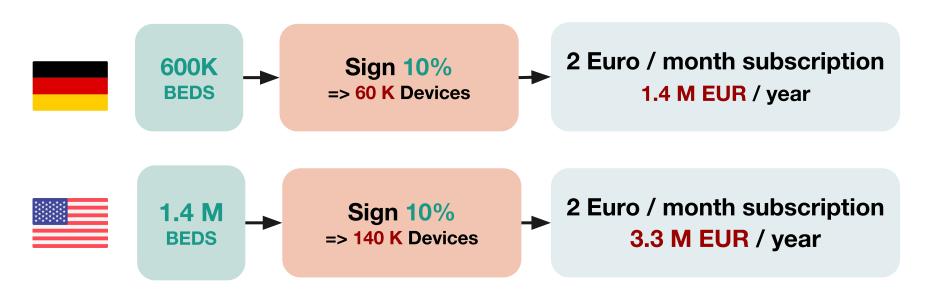






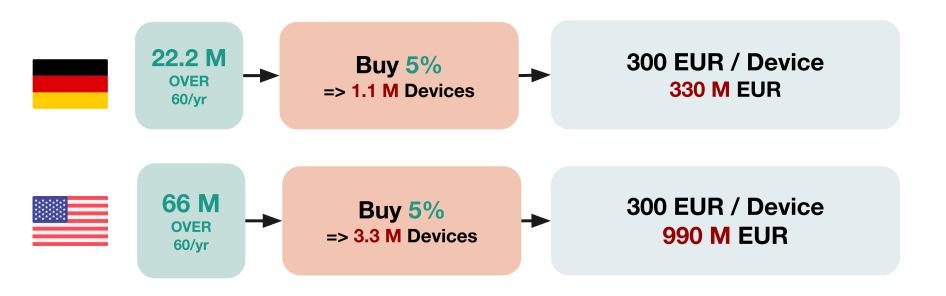
Revenu Model B2B - Elderly Homes

First stage will target elderly homes.

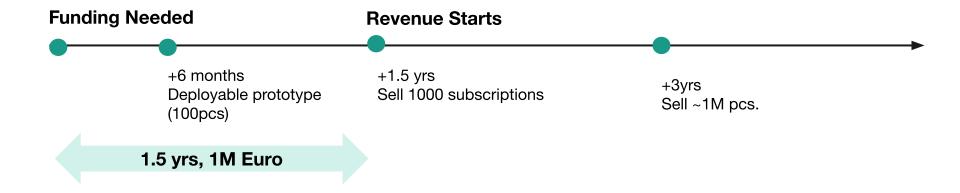


Revenue Model B2C - Sell Devices

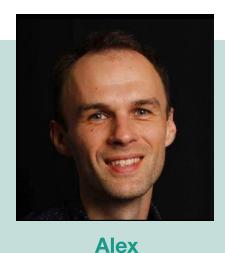
Second stage will target seniors directly



Timeline



Team



CEO Co-founder Pendulum
LingPed Technical Lead (2019)
PhD in Human-Computer Interaction
(2016)
MSc Embedded Systems



CTO Co-founder Pendulum PhD in Noninvasive Medical Diagnosis (2011), Double degree: MD (2003) and BSc Comp Sci (2007)

Cristi

Expert advisors



Dr. Alina Vicas

Neurologist Hospital Espírito Santo; Evoralabor - Segurança, Higiene e Saúde no trabalho, Lda; Evora, Portugal



Dr. med. Silviu Canciu

Facharzt für Orthopädie und spezielle Unfallchirurgie Vinzentius-Krankenhaus

Landau, Germany

Thank You!

www.pendulumwearable.com