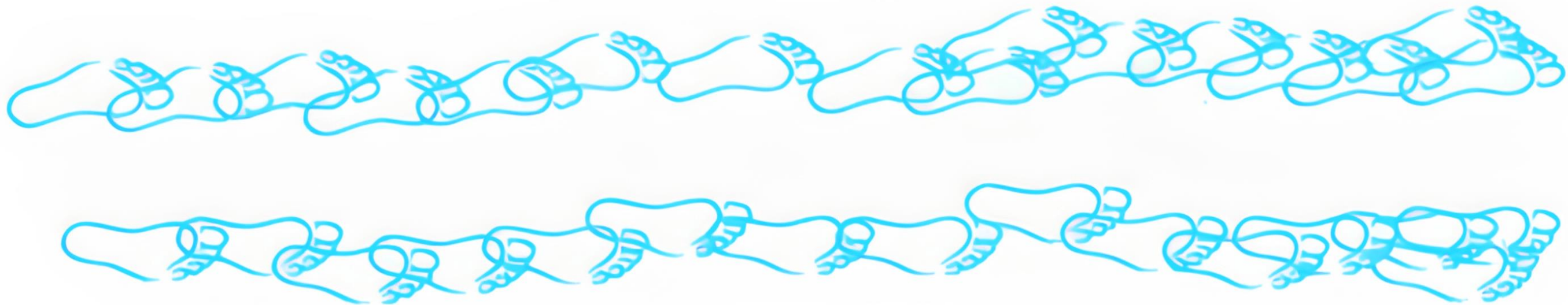
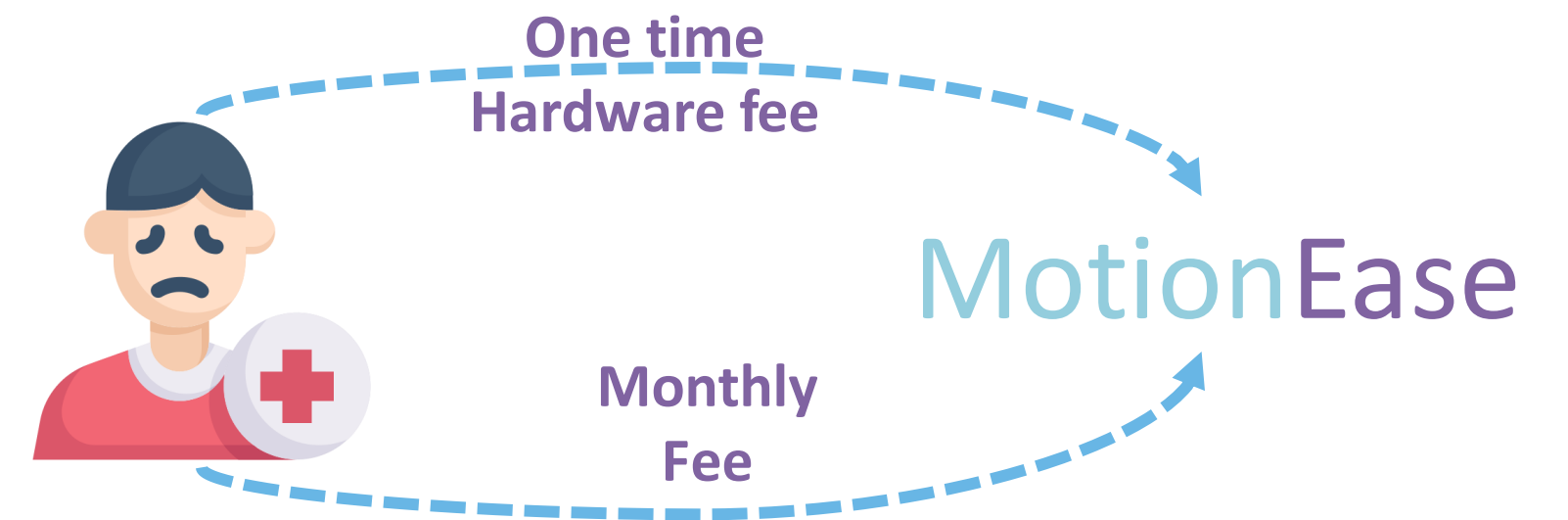
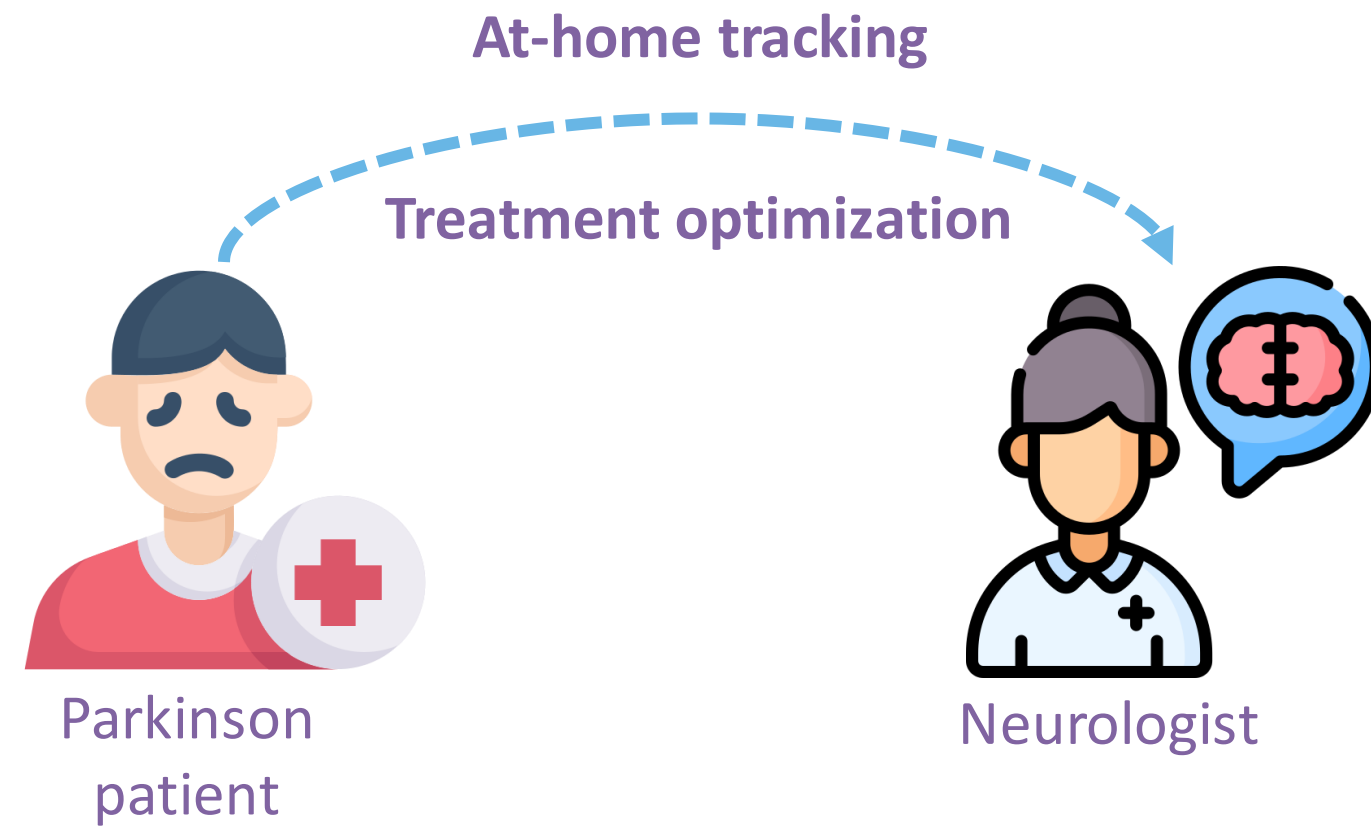


MotionEase

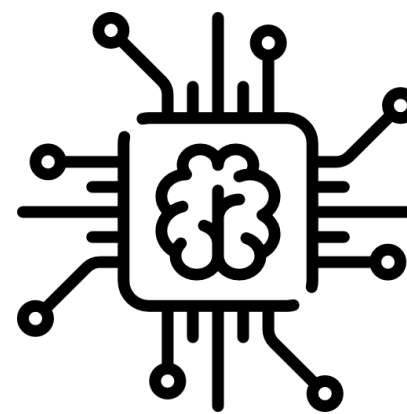
Redefining Parkinson's Care with Personalized Remote
Symptom Tracking and Dose Calibration



MotionEase



MotionEase Sole



MotionEase AI

Parkinson's disease

8 Million

Patients worldwide

1 Million

Patients in USA

600,000

New Patients by 2035 in USA

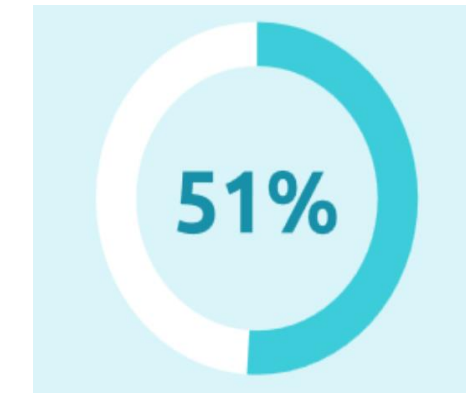
40% patients

have motor symptoms



Problem Statement

Major percent of motor symptoms go unnoticed,
while patient is at home.



Symptoms observed
during visit
(2-3 hours)

Symptoms
unobserved while
patient is at home



have relapse or readmissions

“Increase Telemedicine innovations to offer remote interdisciplinary support for **Parkinson’s patient”**
- WHO Global strategy on digital health 2020–2025

User Persona

John Davis,
68 yrs, Parkinson's patient

Pain Points:

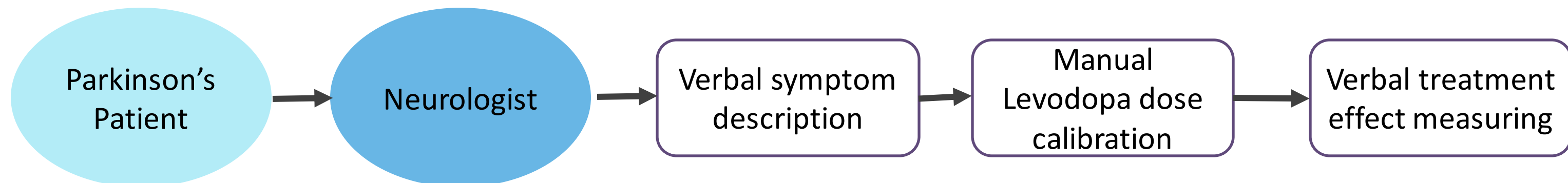
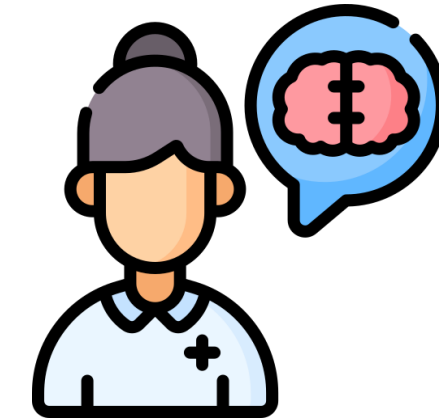
- Suffer motor symptoms: Tremors, Freezing of gait, anytime, anywhere



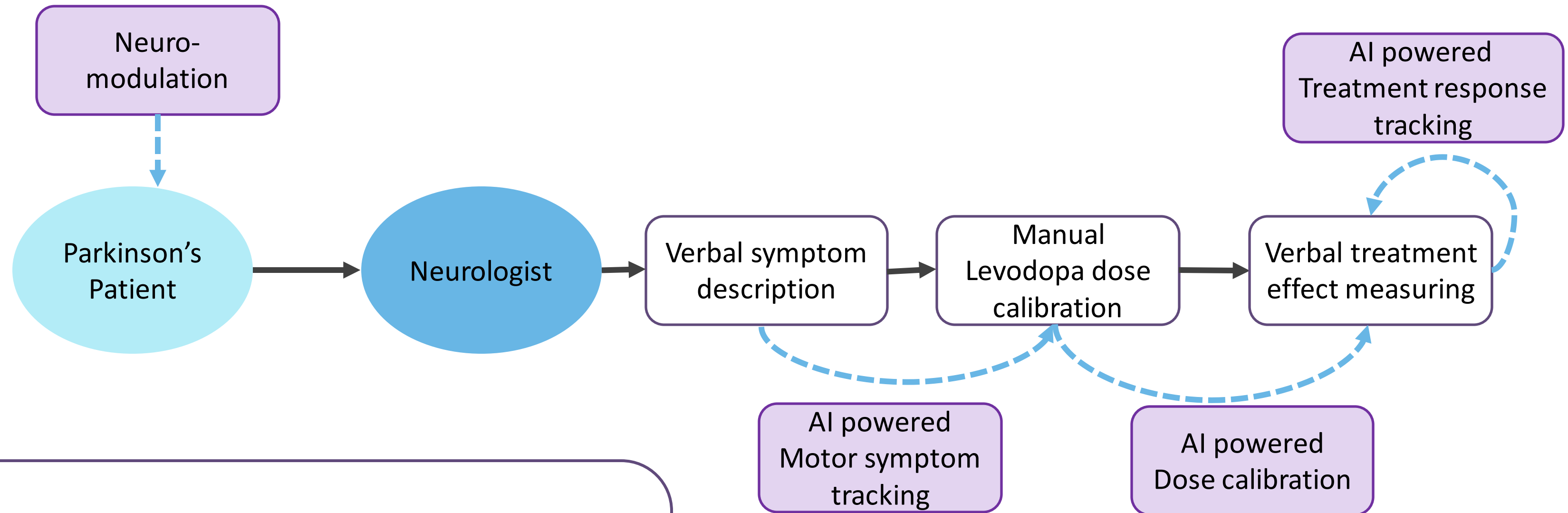
Dr. Serena Mitchell
34 yrs, Neurologist

Pain Points:

- Memory based history in patients with memory loss



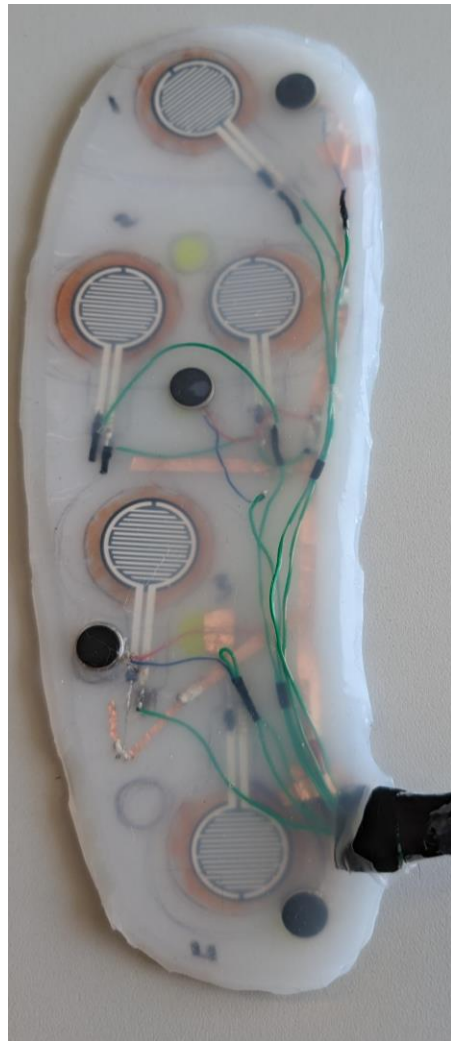
Detect, track motor symptoms to guide treatment



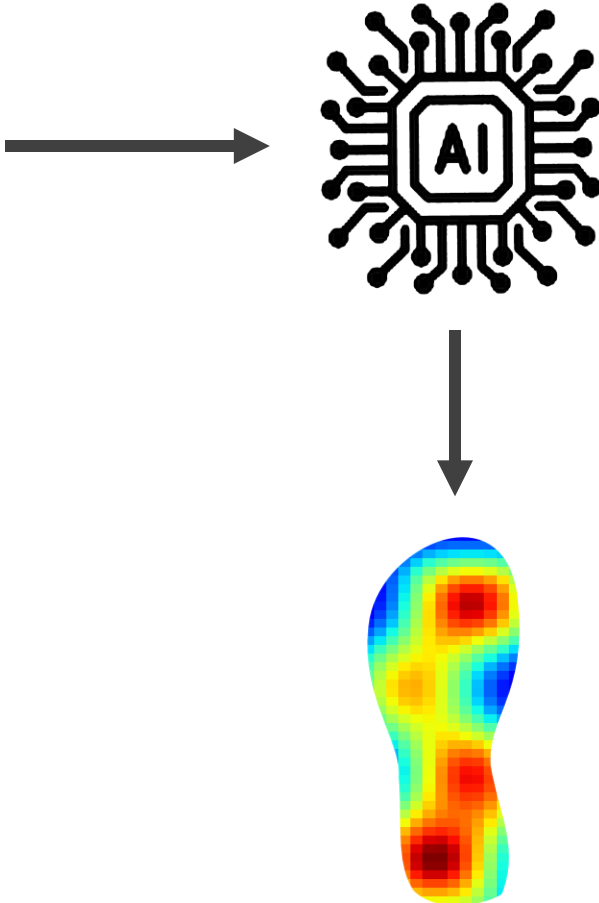
Value proposition

INCREASED MOBILITY Reduced tremors, FOG symptoms	DRUG DOSE CALIBRATION
INCREASED INDEPENDENCE to perform daily tasks	RESPONSE MEASUREMENT how treatment effects symptoms

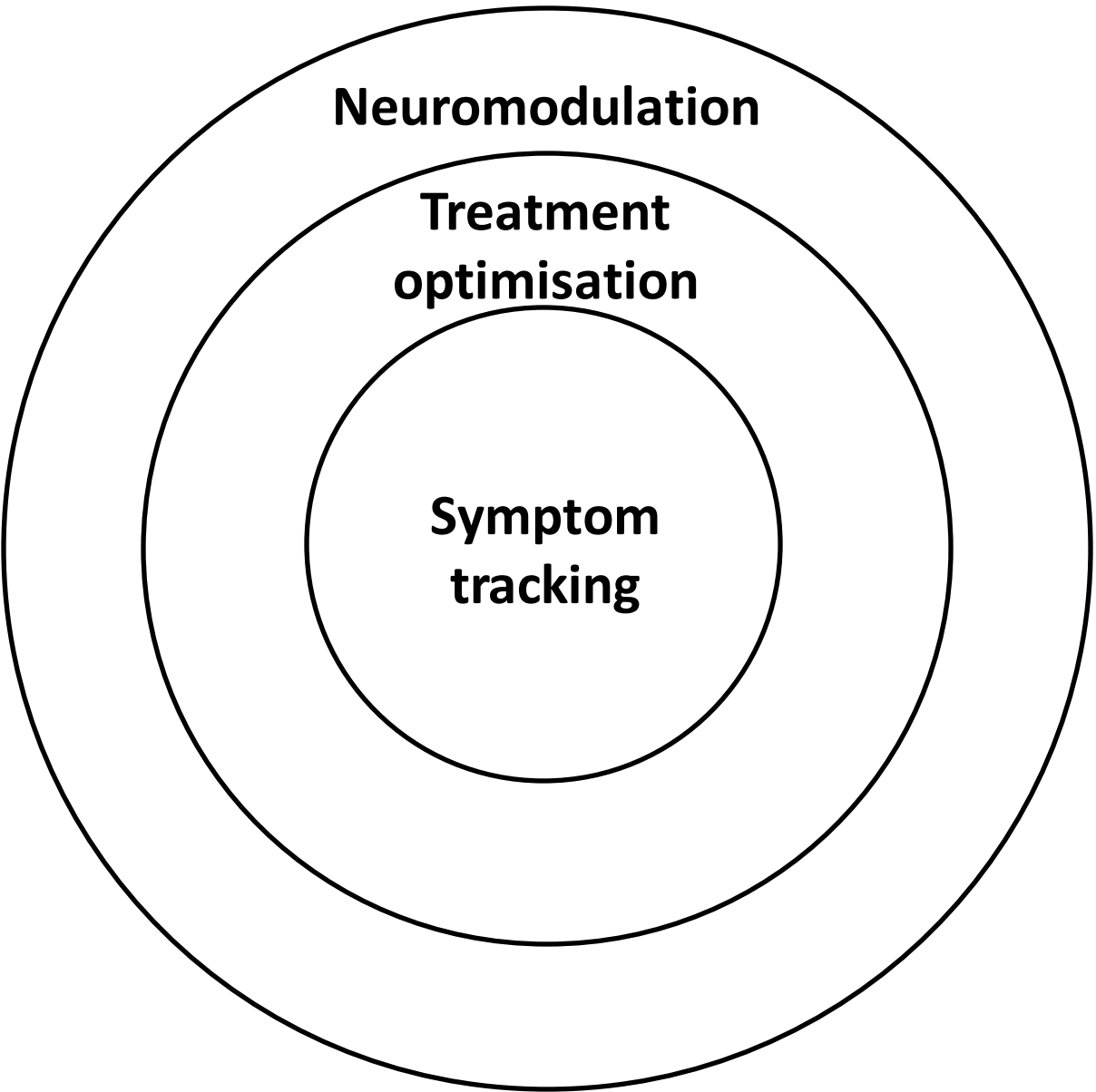
Our Solution



Our current prototype



Insights generation



3 stages of our solution

Market size

\$52 Billion ^{[1][2]}

Total economic burden in USA

\$7 Billion ^{[1][2]}

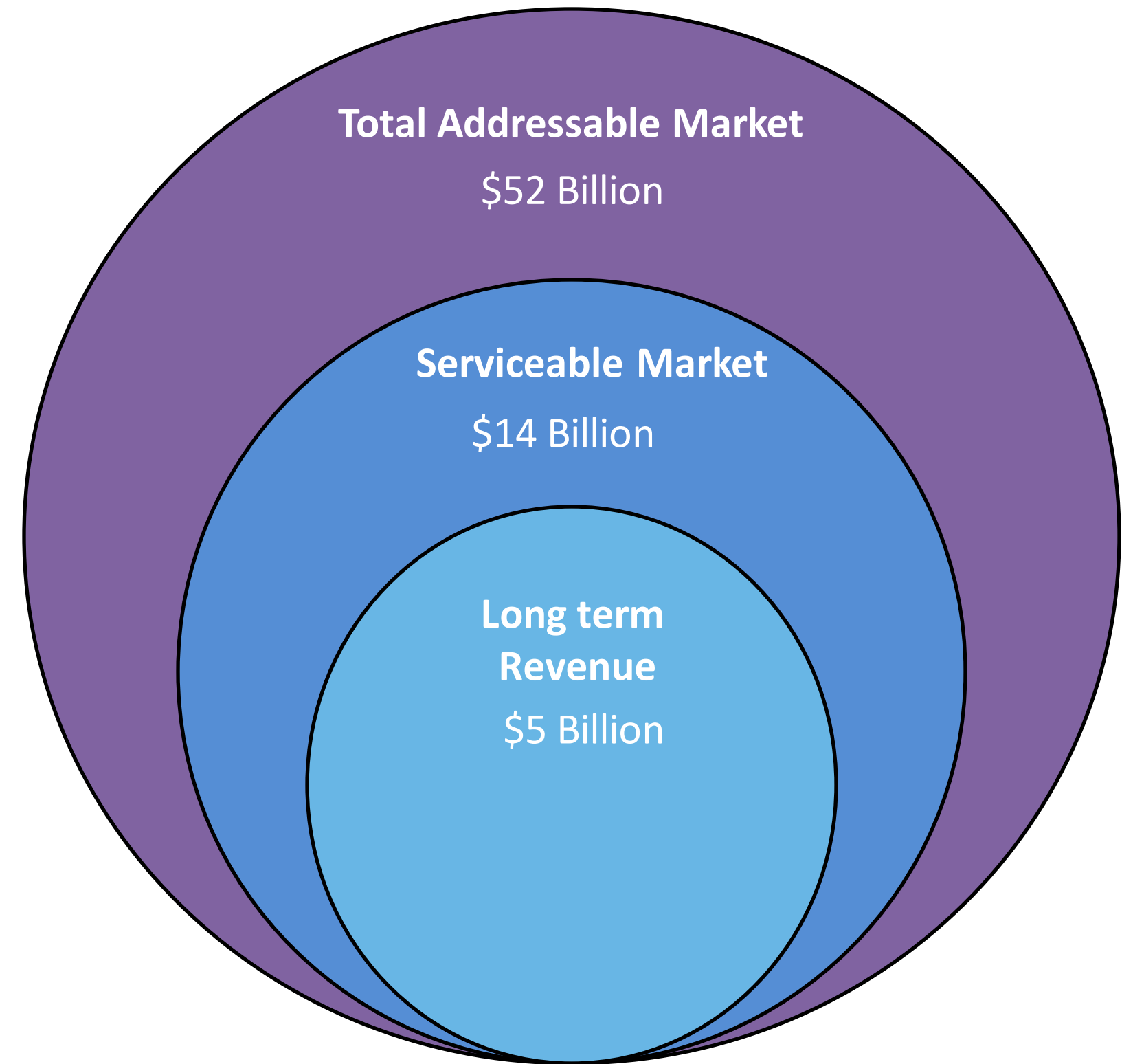
Inpatient care of cost in USA

\$26.5 Billion ^{[1][2]}

Indirect/Non-Medical bills in USA

\$14.2 Billion ^{[1][2]}

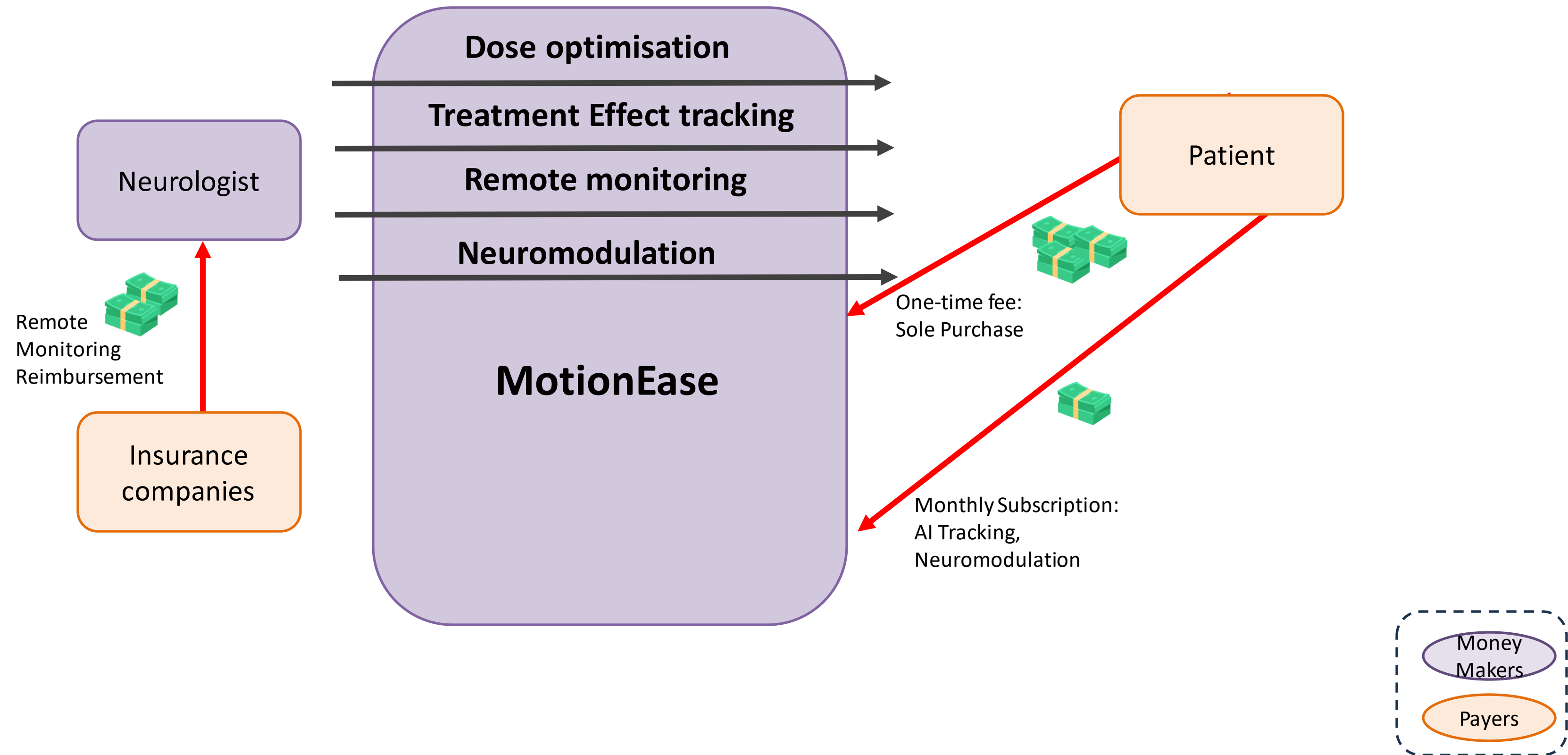
Care giver burden in USA







[1] <https://www.who.int/news-room/fact-sheets/detail/parkinson-disease>

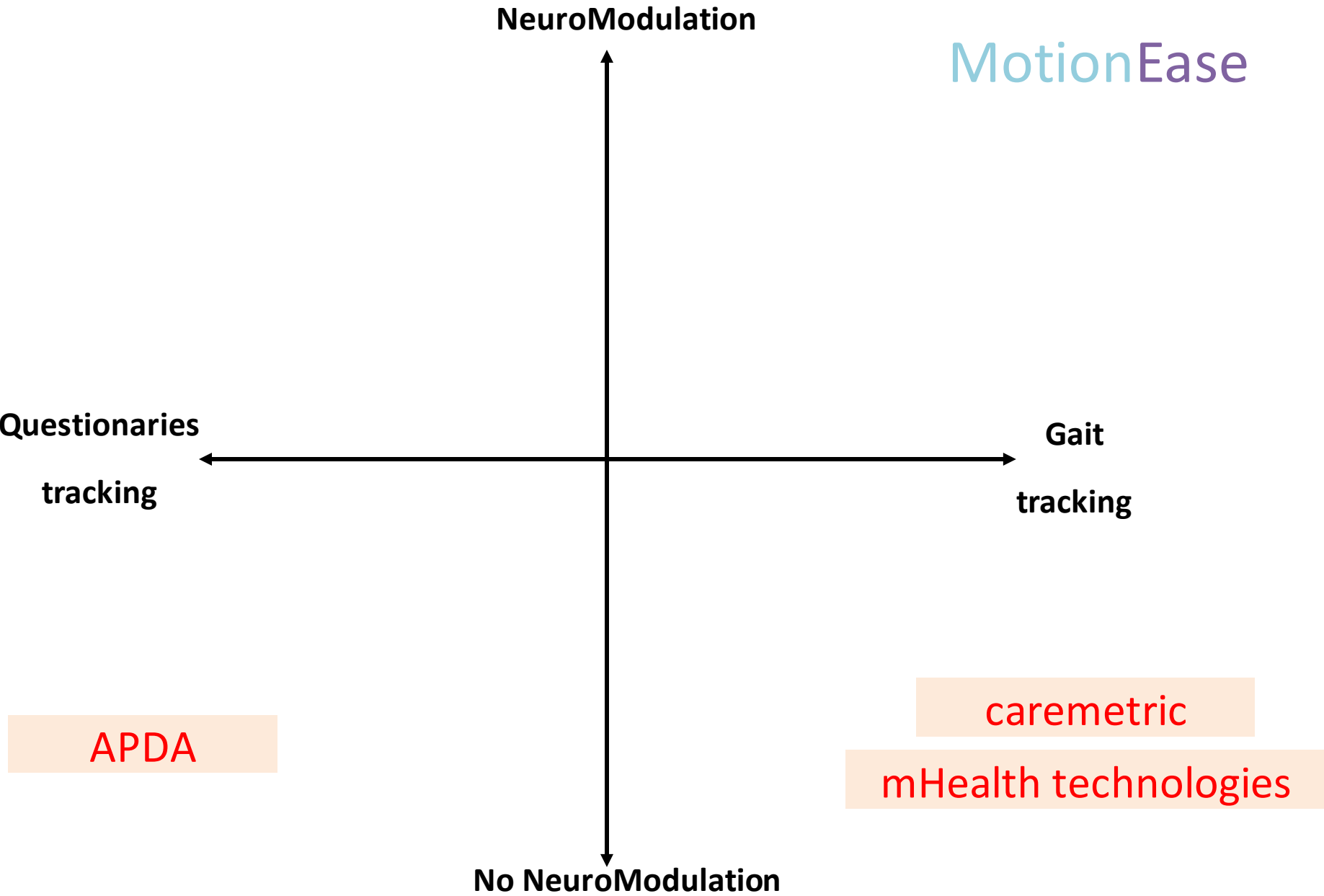
[2] Current and projected future economic burden of Parkinson's disease in the U.S <https://www.nature.com/articles/s41531-020-0117-1>

Revenue



Competition

	mHealth Technologies	CareMetric	APDA Symptom Tracker	MotionEase (Our)
Based from	Europe 	Europe 	USA 	USA 
Sensor based tracking	Yes	Yes	No	Yes
Gait tracking	No	No	No	Yes
Symptom detection	No	No	No	Yes
Neuromodulation	No	No	No	Yes
Discrete	No	No	Yes	Yes

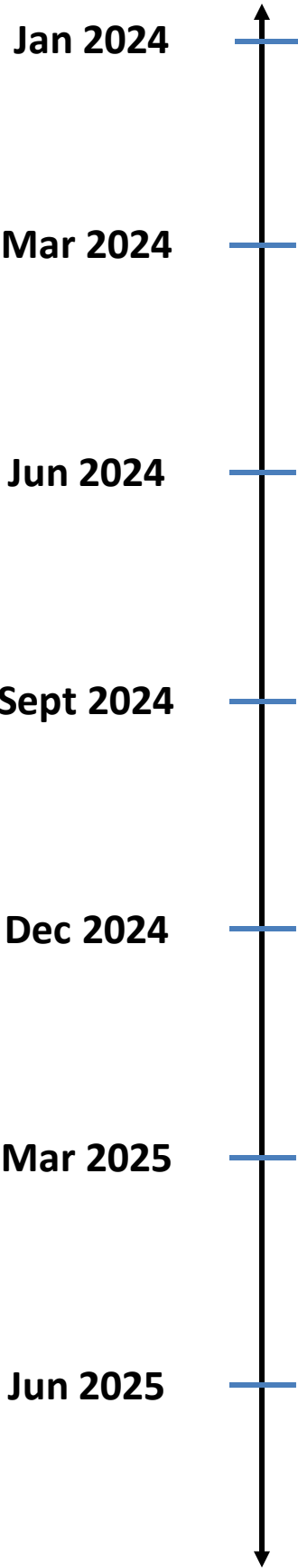


Timeline

Core technology

Clinical testing

Business



Ideation and Customer discovery

Hardware MVP ready
AI MVP InProgress
Neuromodulation MVP InProgress

AI MVP ready
Benchmark AI accuracy

AI Neuromodulation ready

Clinical testing

Tracking Dashboard for clinicians

Start clinical studies with collaborators

Symptom detection evidence

FDA clinical study

Business

CBDAIT Grant won (\$3000)

CreateX

Startup Incorporate

First paying customer

5-10 paying customers

**With Motion Ease, managing
Parkinson's becomes
proactive and personalized.**



Dr Amritpal Singh, MD

MS Computer Science (Georgia Tech)
Exp. Startup (Qure.ai)



Richa Kulkarni

MS Computer Science (Georgia Tech)
Researcher, Wearable Electronics



Dr Abhigyan Dutta, MD

Advisor
Neurology Resident, University of Minnesota

Get in Touch



asingh880@gatech.edu