The Virtual Neurologist

Will Save Your Life Now

The Problem

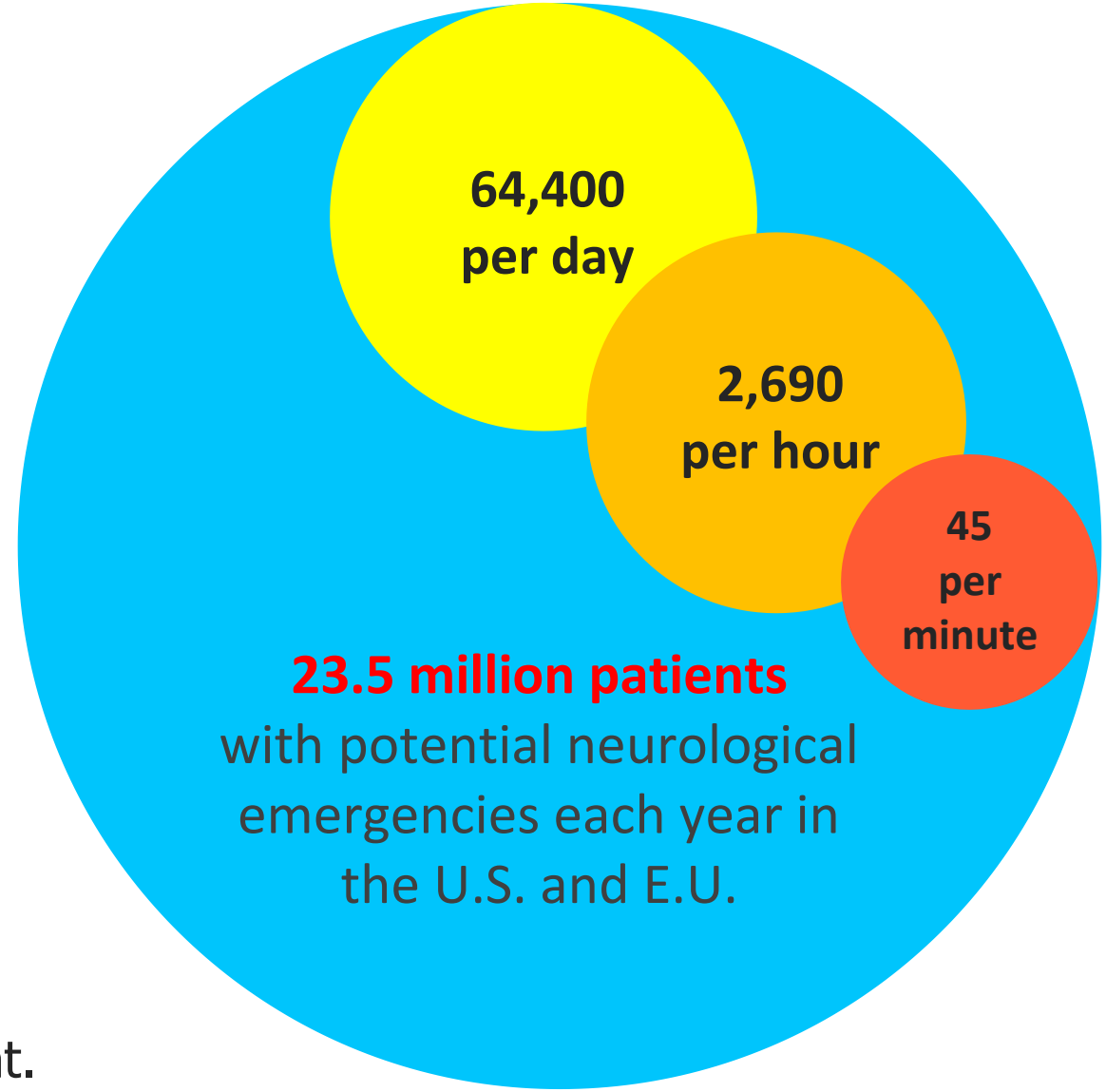
Neurological Emergencies
cause time-dependent brain injury

- Stroke
- Traumatic Brain Injury
- Seizures
- and dozens of other diseases

Only 54% of hospitals and essentially no ambulances have immediate access to neurologists.

No diagnosis, no emergency treatment.

Delayed diagnosis, weak emergency treatment.



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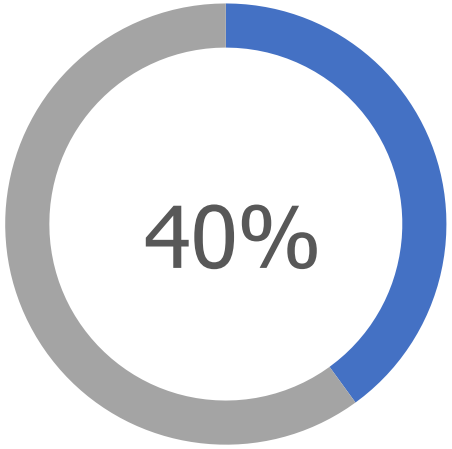
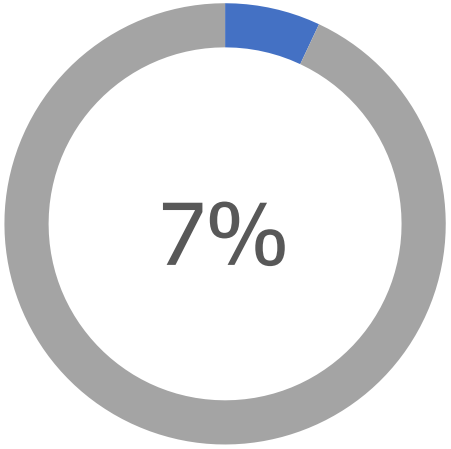
Most Patients are Undiagnosed and Untreated

for example, Stroke
affecting 691,000 patients in the U.S. each year



Treatable

277,700 patients potentially treatable…



Treated

…but only 45,100 patients get treated

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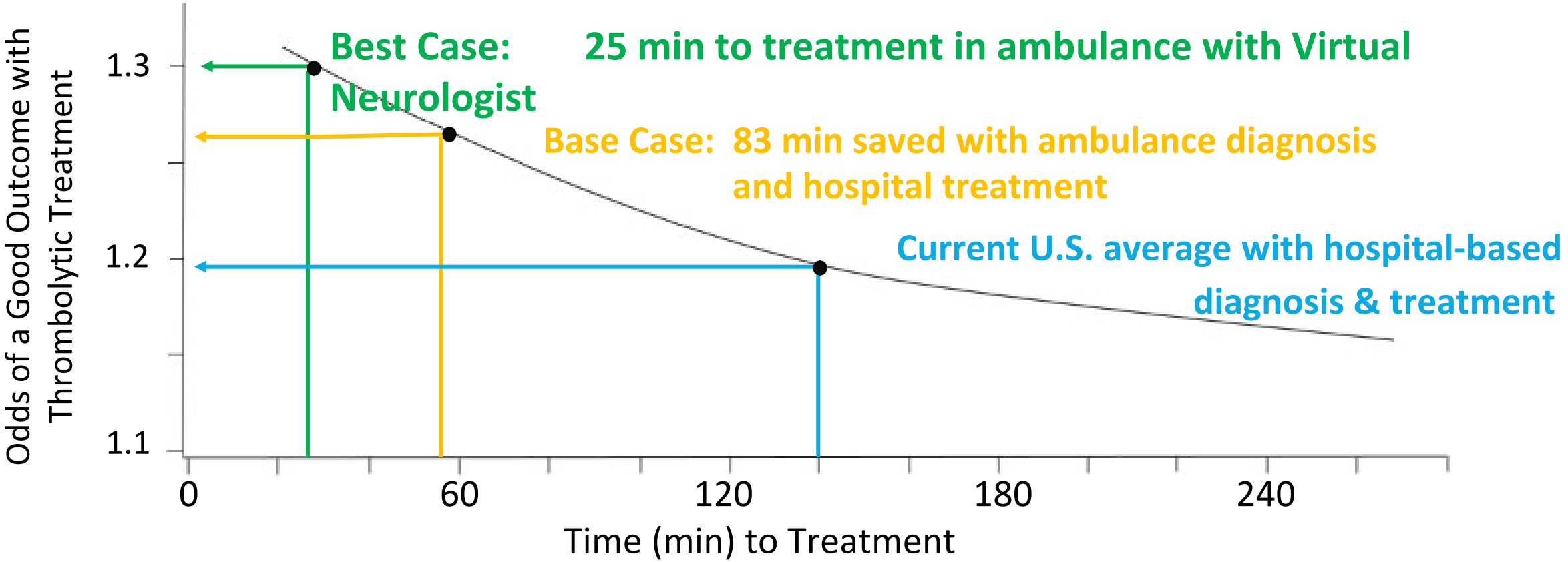
Clinical Benefit of Rapid Treatment

for example, Stroke



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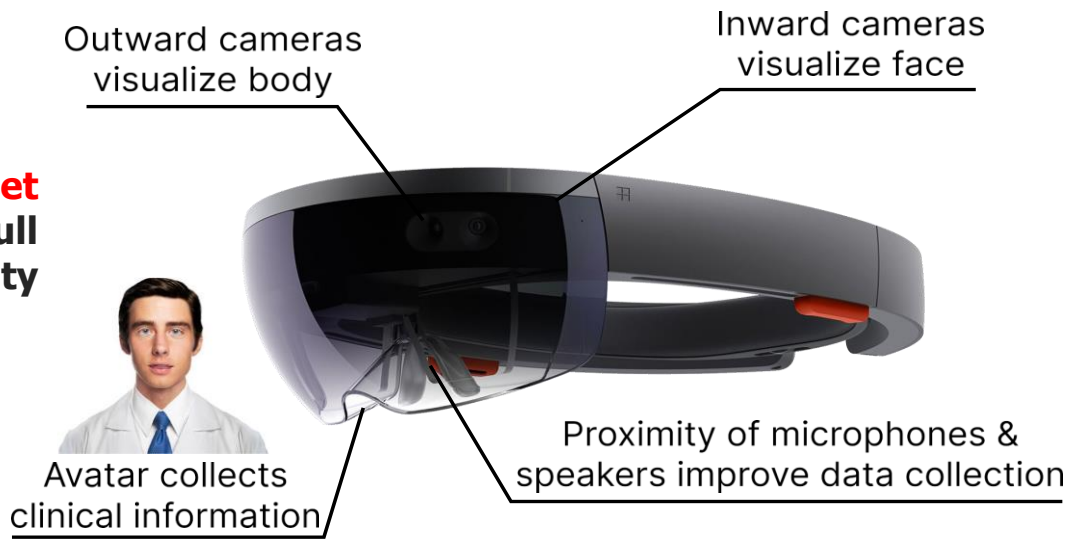
The Solution

The **Virtual Neurologist** speaks directly with the patient, guides the patient through the physical examination, and assesses the data to determine the patient's diagnosis.

AR headset design for full portability



for patients

for paramedics

When the patient is agitated, confused, or unresponsive, the paramedic wears the headset to collect the needed information.

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What It Does

The Virtual Neurologist begins evaluating patients in the ambulance.

The patient arrives at the hospital with a diagnosis,
ready for immediate treatment.

How It Works

Collects patient data with natural language & computer vision technologies.

Diagnosis established by proprietary MLPs and other ‘secret sauce’ data analytics.

Employs portable hardware & powerful wireless connectivity for ambulance and hospital use.

Refers complex or uncertain patient cases to on-call teleneurologists.

Trained on existing patient databases, & creates a large, proprietary patient database.

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Doing Well by Doing Good

U.S. and E.U. figures

260,000 ambulances

Equipment mandated by government.

17,000 hospitals

Equipment defined by physician groups.

23.5 million patients

Most are critically ill and without any neurologist.

- $435 M SOM on per patient consult fees only.
- 95% profit margin on consult service.
- 3x increase in hospital fee for treated patients.
- 30-50% increase in ambulance transport fee.
- Reduce insurer's rehab & long-term care costs.

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Management Team

Mark Borsody, M.D., Ph.D. (Interim CEO, CMO): Practicing neurologist, neuroscience pharmaceutical executive, and serial medical device entrepreneur.

Grace Montenegro, M.S. (CTO): Expert in artificial intelligence and machine learning with a background in healthcare technology.

Richard Ho, Ph.D. (COO): Operations leader with a track record of successfully launching healthcare products.

Craig Coombs, B.S. (CRO): Experienced with FDA and EU regulatory agencies including Class III / PMA device applications and soft medical device applications.

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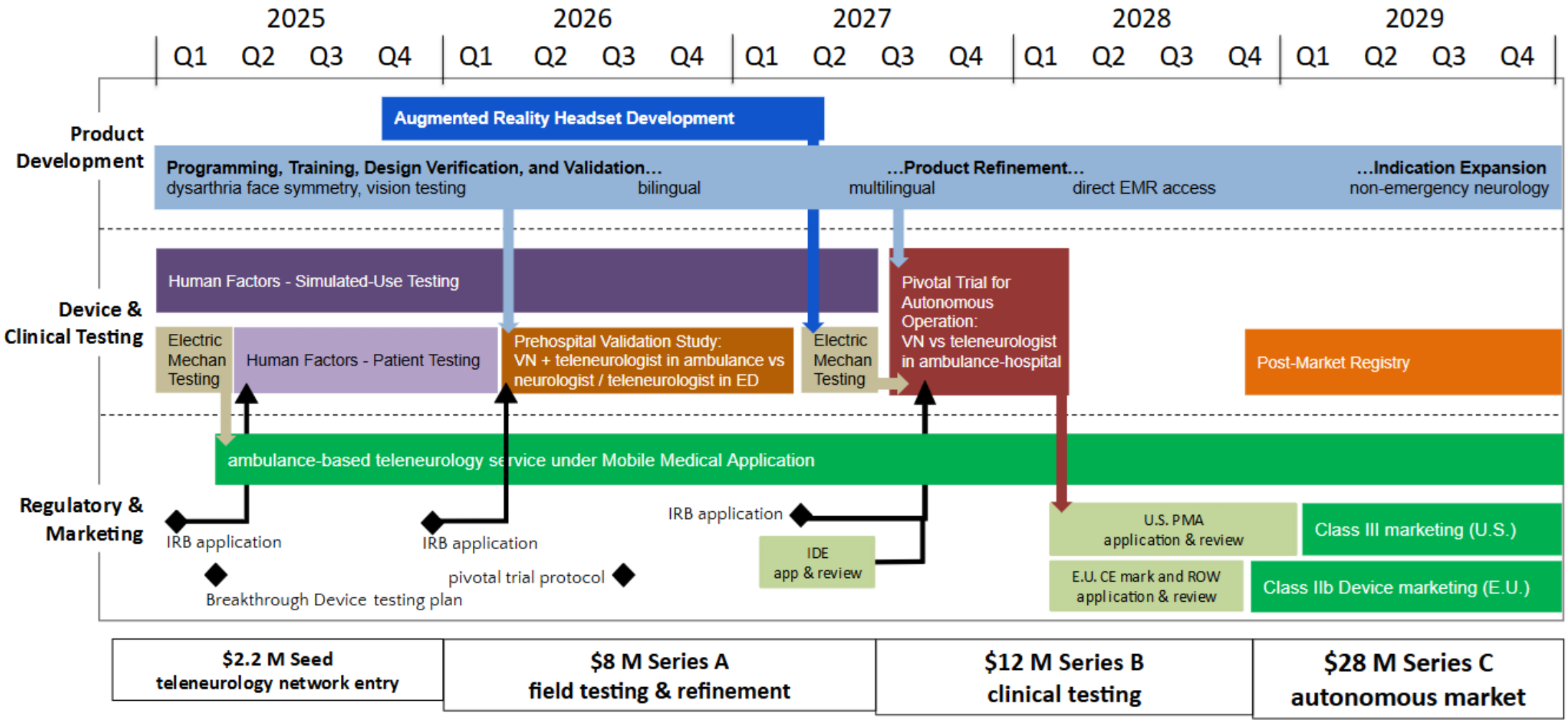
R&D Plan and Investment Need



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