



SWORD HEALTH

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PHYSICAL THERAPY HAS NOT CHANGED IN THE LAST 50 YEARS

1960

2018

Physical therapists are scarce, costly and non-scalable

7th

Hardest job to
fill in the US¹

\$17B+

Spent in wages with
PTs (US)²

74

PTs per 100,000
Americans²

¹ Source: Forbes – “The toughest jobs to fill in 2017”

² Source: SWORD’s internal estimates and industry data.

△ PT : Physical Therapists

Today, one hour of therapy requires one hour of a PT
100% labor-intensive

\$47.2

PT mean hourly wage¹

\$110

Payer fee per hour of
therapy provided²

\$2750

Payer costs per
60-day episode of care²

Prohibitive costs for insurance companies, employers and providers.



THIS IS WHY WE'VE CREATED THE NEXT 50 YEARS OF PHYSICAL THERAPY

Our 50-year impact in the world



Cut Healthcare costs with MSD care in half

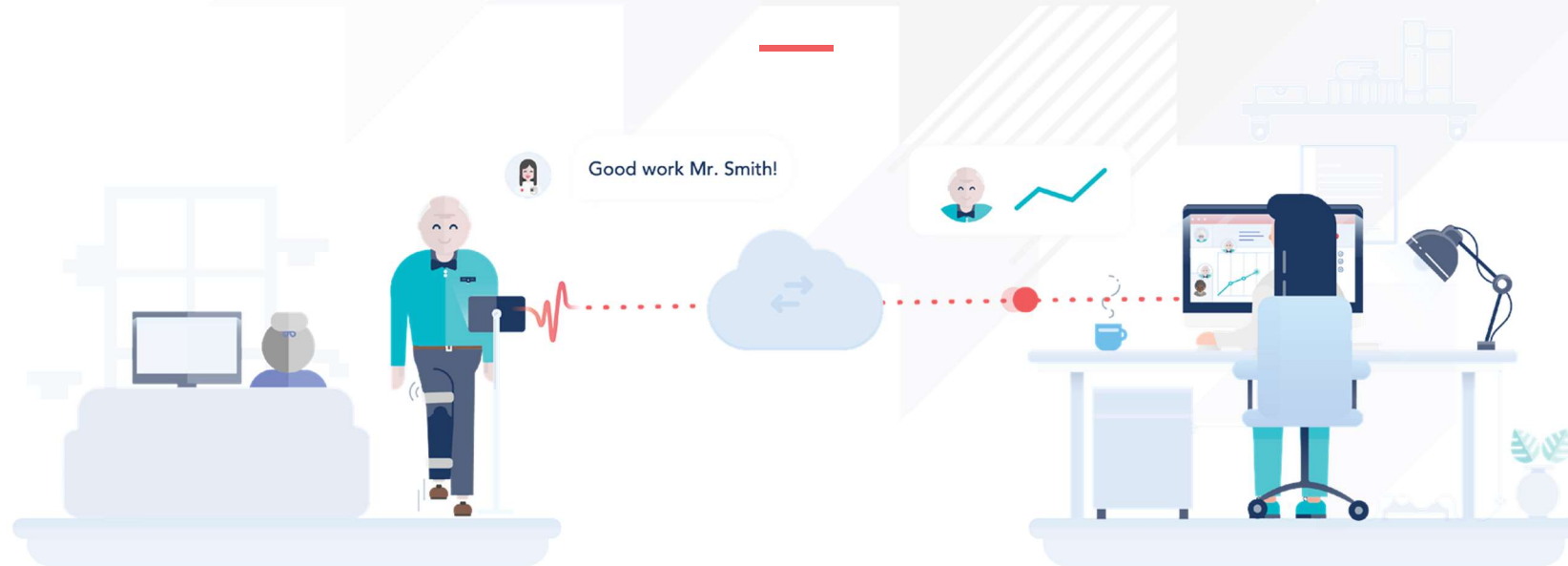
By greatly reducing the #1 cost driver in the physical therapy world - the intervention from the human therapist.



Enable patients to recover at home

By creating and proving that a technology is able to recover patients faster than the human therapist.

SWORD's end to end digital MSD care solution



Digital Therapist *

Guides the patient through feedback on performance



SWORD Portal

Enables AI-aided session prescription and progress assessment

*Medical Device certified in the US, Europe, Canada and Australia



Health
Canada



Our superiority versus conventional PT has been validated through several clinical studies

“Home-based Rehabilitation with a Novel Digital Biofeedback System versus Conventional In-person Rehabilitation After Total Knee replacement. A feasibility study.”

Nature Sci Repts 2018; 8: 11299

“Medium-Term Outcomes of Digital Versus Conventional Home-Based Rehabilitation After Total Knee Arthroplasty: Prospective, Parallel-Group Feasibility Study”

JMIR Rehabil Assist Technol 2019; 6(1):e13111

“Digital Versus Conventional Rehabilitation After Total Hip Arthroplasty: a Single-Center, Parallel-Group, Pilot Study”

JMIR Rehabil Assist Technol 2019 (forthcoming/in press)

Post-Acute Care

KNEE REPLACEMENT

Patient-reported Outcomes*

↓ 178%

Symptoms

↓ 68%

Pain

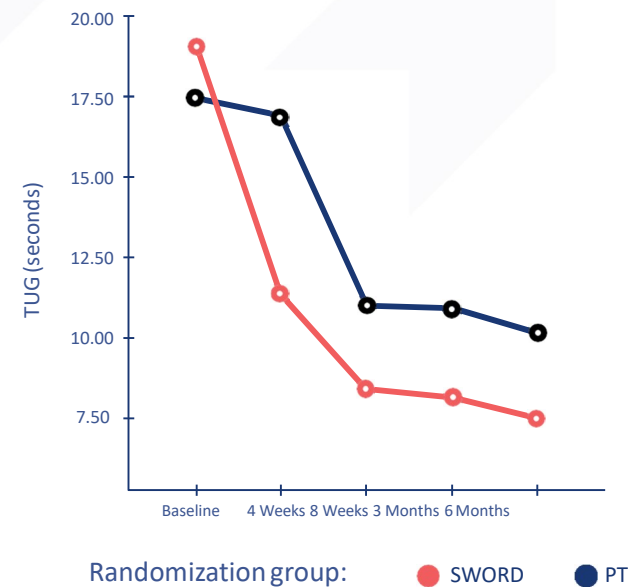
↑ 51%

Activities of
Daily Living

↑ 81%

Quality of life

Performance (Timed Up and Go test)



* Improvement from baseline in comparison to conventional physical therapy

Post-Acute Care

HIP REPLACEMENT

Patient-reported Outcomes*

↓ 44%

Symptoms

↓ 35%

Pain

↑ 29%

Activities of
Daily Living

↑ 43%

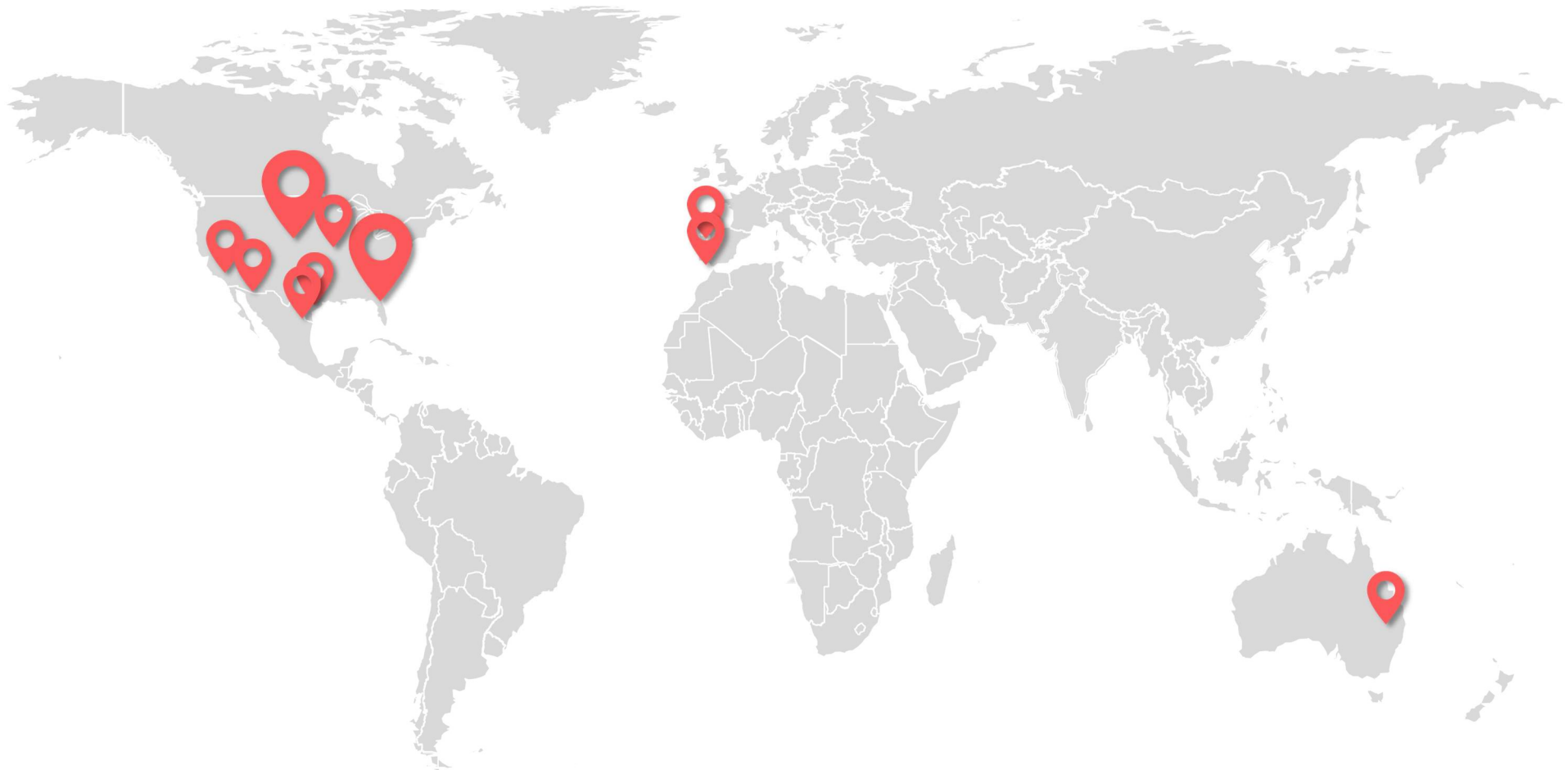
Quality of life

Performance (Timed Up and Go test)



* Improvement from baseline in comparison to conventional physical therapy

We are now operating globally across multiple languages



In partnership with some of the biggest players in the sector



#1 Largest insurance
company in the
Australia
Top 20 World
Present in 31 countries

Workers Comp
Post Acute Care
Neck
Shoulder
Knee



#1 Largest insurance
company in the Portugal
Present in 8 countries
1.5m lives covered

Workers Comp
Post Acute Care
Shoulder
Knee



Top 5 health insurance
company in the US
15m lives covered

Health Plan
Chronic Care
Low Back

Medicare plan
being planned



SNS
SERVIÇO NACIONAL
DE SAÚDE

Portuguese National Health
Service
10.3m lives covered

Health Plan
Chronic Care
Shoulder
Knee/Hip
Low Back

With real-world results confirming our value proposal

Shoulder Tendon Repair- comparison to conventional physical therapy

Functional Outcome (Constant score)*

↑ **104%**

—
Better

Patient-Reported Outcomes (quickDASH)*

↑ **2.8x**

—
Better

Return to Work



Residual Disability



With real-world results confirming our value proposal

Chronic Care

Low Back Pain*

↓ **42%**

PROM (OD)

↓ **40%**

Pain

Shoulder Tendinitis**

↓ **24%**

PROM (QuickDASH)

Knee Osteoarthritis**

↓ **32%**

Pain

↑ **25%**

Quality of life

* 12-week program ** 4-week program



Thanks

Fernando Correia

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