



# Making Decentralized Trials Scale



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[Strictly Confidential]

# Castor provides a global, self-service decentralized clinical trial platform

## Global Footprint

Offices: Amsterdam and New Jersey

Team: 100+

Funding: \$60m (2018 seed, 2020 Series A, 2021 Series B)

Shareholders: leading technology and life sciences investors

F-PRIME

8<sup>th</sup> EIGHT ROADS

TWO SIGMA  
VENTURES

inkef capital

WR HAMBRECHT+CO



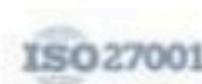
Global Activity 2021

## Scalable Secure & Compliant Infrastructure

Servers in: NL, UK, US, AU

Global Regulatory and Compliance certifications in place

Multiple top 10 Pharma audits completed



## Successful Track Record

7,500+ supported studies

Deployments in 90+ countries

75,000 researchers on the platform

2,600,000 enrolled patients

250,000,000+ data points

# Clinical research is stuck in the 1980s

*COVID-19 exacerbates the resulting issues*



**7.5 yrs**

Time to take a drug to market

**7%**

Share of Phase I drugs that make it to market

**80%**

non-Covid studies were stopped or delayed due to Covid

**75%**

studies do not prioritize the patient experience

**+130%**

Increase in R&D costs to launch a drug in last 8 yrs

**35%**

Trials terminated due to under enrollment

**8% vs 42%**

Clinical trial automation achieved versus potential

# Decentralized Clinical Trials (DCT) address those issues and presents an incredible opportunity

Bringing trials into homes through technology...

Mobile Apps



eConsent



Wearables



...creating massive benefits for patients...

- Less travel through fewer required site visits
- Dramatically increased access to trials
- Trials that better represent the real patient population

..and for commercial research

- 50-65% increased recruitment rates
- 40% higher patient retention
- Resulting in 25% reduced cost to develop new assets

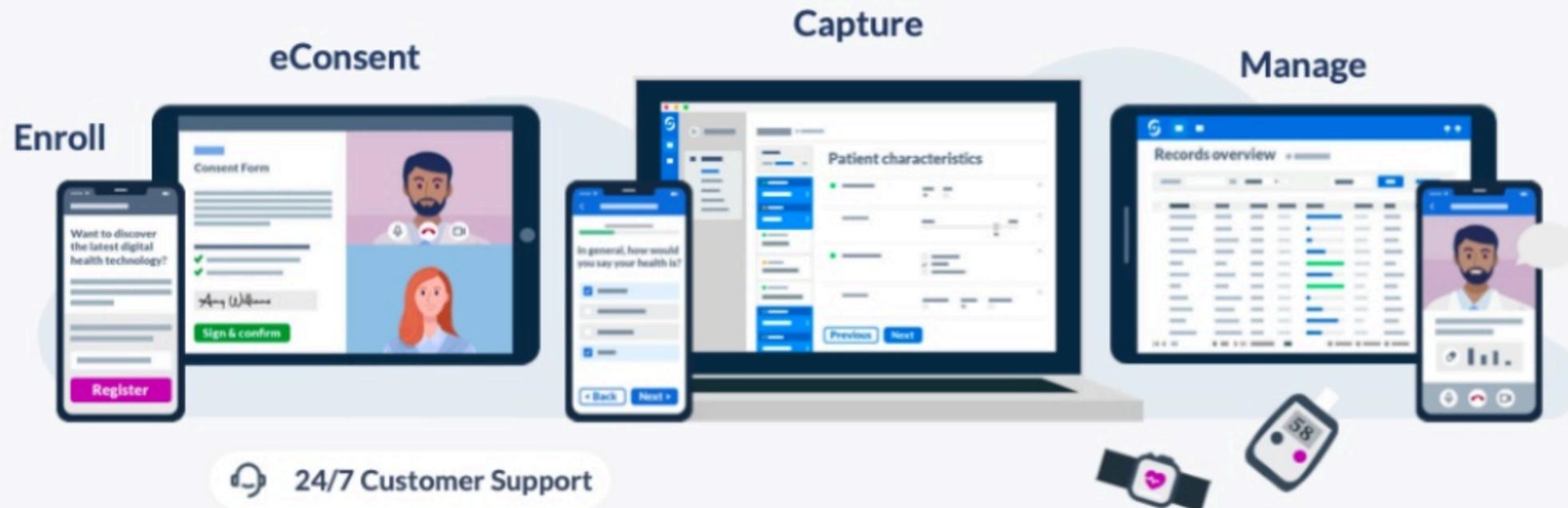
Global DCT Market growing from 2.5Bn → **10Bn**



Traditional trials are using 'old' methodologies such as site-visits and paper based data collection. DCT is an abbreviation of "decentralized clinical trials". Decentralised trials are using 'virtual' components such as mobile technologies and data capturing systems, creating a \$10bn market by 2026. Accenture estimates that usage of virtual components in trials increases 3x in the coming 3 years

# A unified platform powering patient-centric trials...

Customers pick and choose the product offering that suits their trial needs. A unified platform offers sites and patient the best user experience and allows for effective automation



**60%** Shorter time to first patient in

**30%** Less time spent on data cleaning

**99%** Build their own (self-service)

**70%** Time saved with EHR imports



**GDPR**



# Castor's platform has created massive impact globally



SOLIDARITY Therapeutics

*SOLIDARITY Vaccine*

## A Large, Adaptive, Global Trial



The NEW ENGLAND  
JOURNAL of MEDICINE

Editor's Note: This article was published on December 2, 2020, at NEJM.org.

ORIGINAL ARTICLE

Repurposed Antiviral Drugs for Covid-19  
— Interim WHO Solidarity Trial Results

WHO Solidarity Trial Consortium\*

February 11, 2021

[Castor is powering the WHO Solidarity Trial](#)

# Castor is helping shape the future of clinical research

200 BC

1700

2000

2010

2035

## Concepts of Trials

*The Book of Daniel highlights the concept of observational studies, in the so called: "the King's Meat"*

## First systematic Trial

*Lind conducted the first systematic clinical trial in 1747. Soon after John Haygarth introduced the concept of control groups*

## Paper to Database

*Trials started for the first time using digital data recordings instead of paper. Researchers recorded in excel and other self-made systems that transitioned over time into 'electronic data capture systems'*

## Connected Trials

*Novel data modalities are on the rise. Wearables, EHR data and self-reported data are slowly becoming norm. Castor provides the only scalable, unified platform to design trials, capture data and monitor progress.*

## Computational Trials

*Our vision stretches far beyond SaaS technology. The future of clinical research will be defined through machine readable data and AI. Castor's ongoing R&D investments and repository of billions of data points will allow us to shape and dominate this future.*



# Recent Press releases

[Castor is supporting the WHO Solidarity Trial](#)

[Castor wants to reduce the barrier to implement and deliver clinical trials](#)

[Lightship announces partnership with Castor to scale virtual trials](#)

[Introducing Castor's decentralized trial platform](#)

# Background on the space

[Two Sigma Ventures on Healthcare and Research](#)

[Drugs in a virtual world \(Bessemer\)](#)



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