Patient-Centric Studies & Digital Engagement

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Agenda

- Global Trends
- Patient Motivators and Barriers
- Study models
- Case Study: Digital Engagement



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Relevant Global Trends – And What Does it Mean

Consider your audience

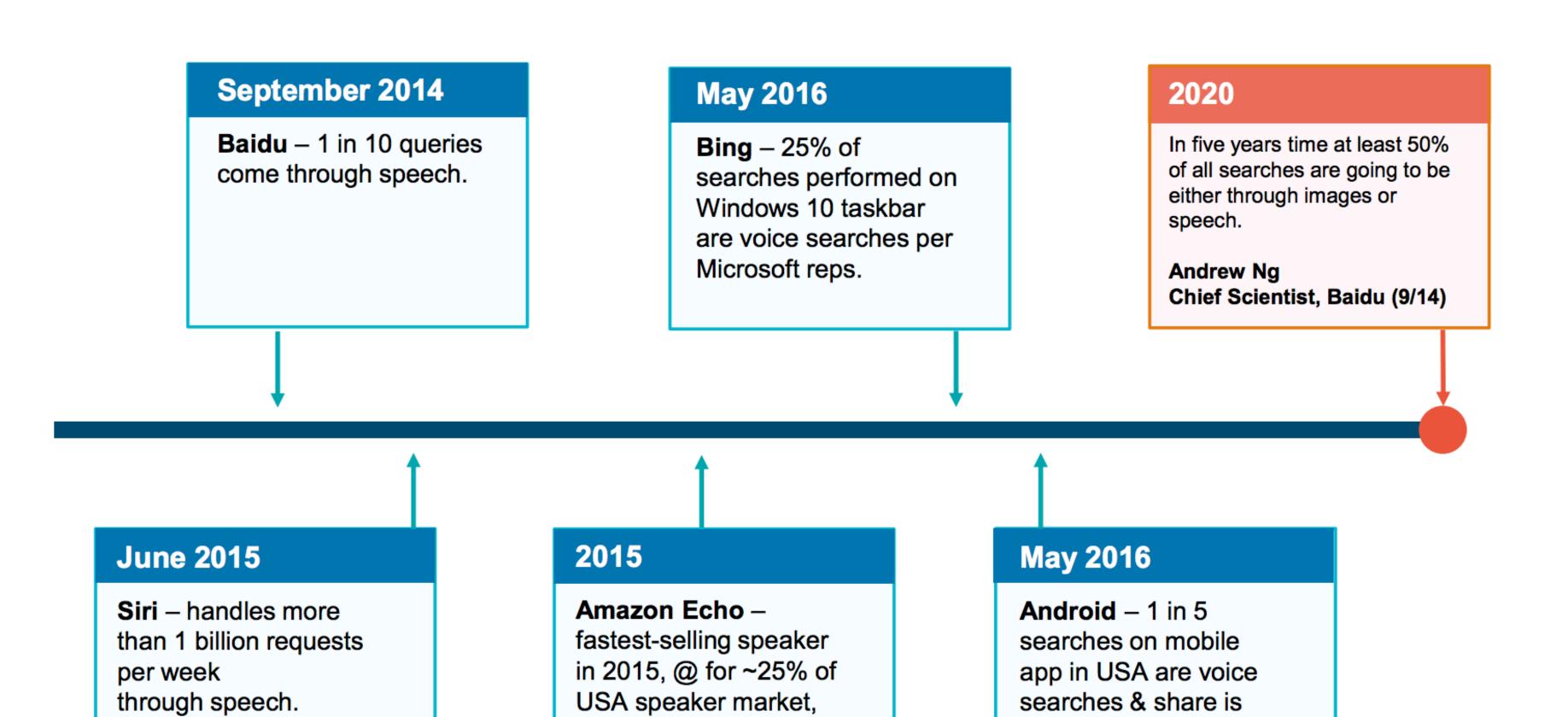
Popularity of Business Contact Channels, by Age

Which channels are most popular with your age-profiled customers? (% of contact centers)

	% of Centers Reporting Most Popular Contact Channels by Generation				
	Internet / Web Chat	Social Media	Electronic Messaging (e.g. email, SMS)	Smartphone Application	Telephone
Generation Y	24%	24%	21%	19%	12%
(born 1981-1999)	(1 st choice)	(1 st choice)	(3 rd choice)	(4 th choice)	(5 th choice)
Generation X	21%	12%	28%	11%	29%
(born 1961-1980)	(3 rd choice)	(4 th choice)	(2 nd choice)	(5 th choice)	(1st choice)
Baby Boomers	7%	2%	24%	3%	64%
(born 1945-1960)	(3 rd choice)	(5 th choice)	(2 nd choice)	(4 th choice)	(1 st choice)
Silent Generation (born before 1944)	2% (3 rd choice)	1% (4 th choice)	6% (2 nd choice)	1% (5 th choice)	90% (1 st choice)



Voice – Fast Adoption



growing.

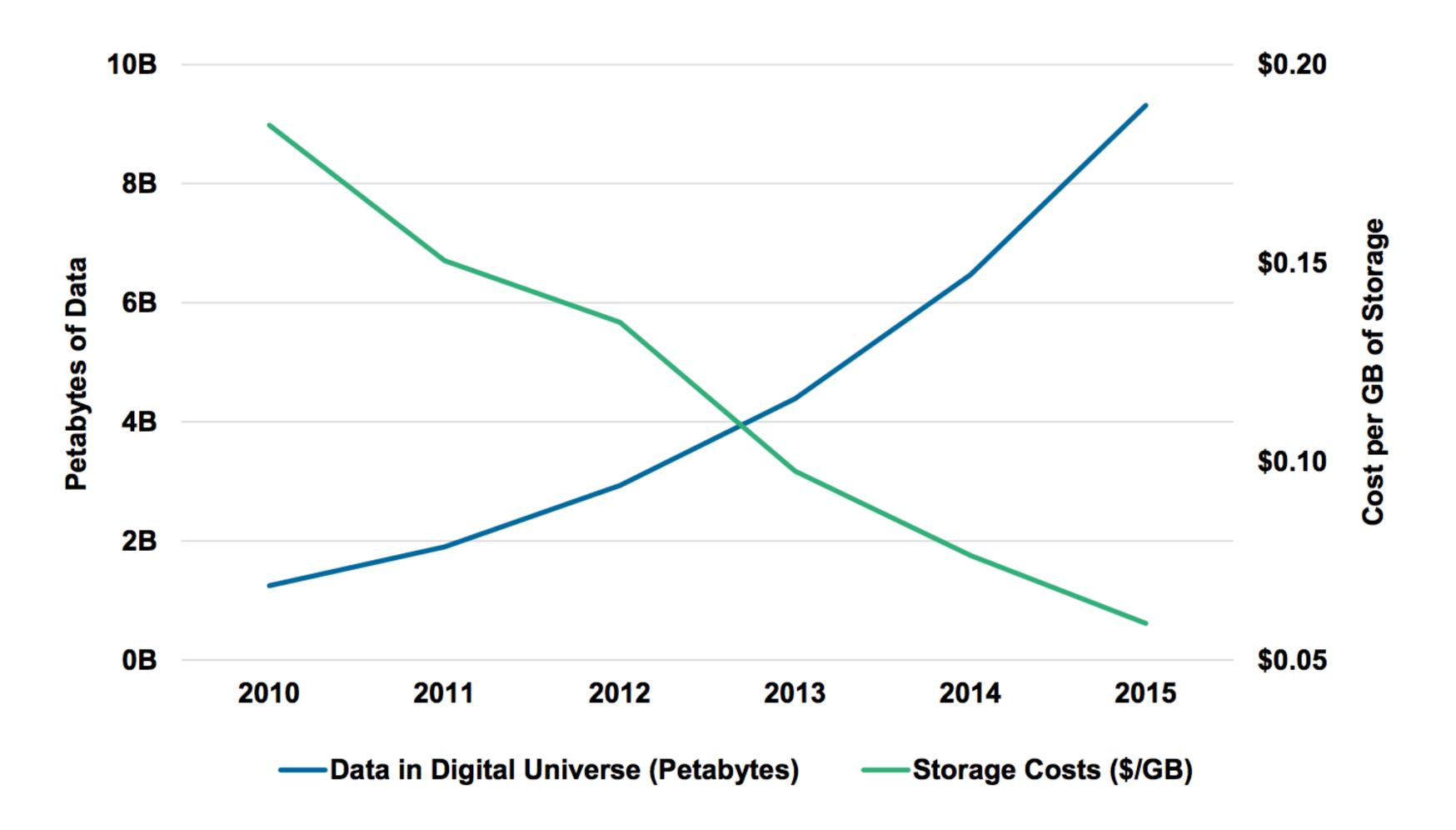


per 1010data.

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Data!

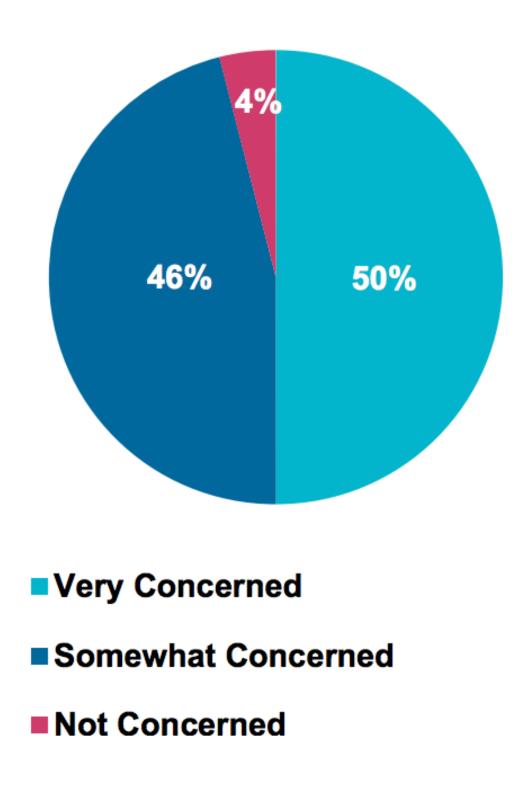
Data in Digital Universe vs. Data Storage Costs, 2010 – 2015





How Concerned are You About Data Privacy & How Companies Use Customer Data?

Privacy Awareness



45%
Are more worried about their
Online privacy than one year ago

74%
Have limited their online activity in the last year due to privacy concerns



Data as UX

Data is moving from something you use outside the workstream to becoming a part of the business app itself.

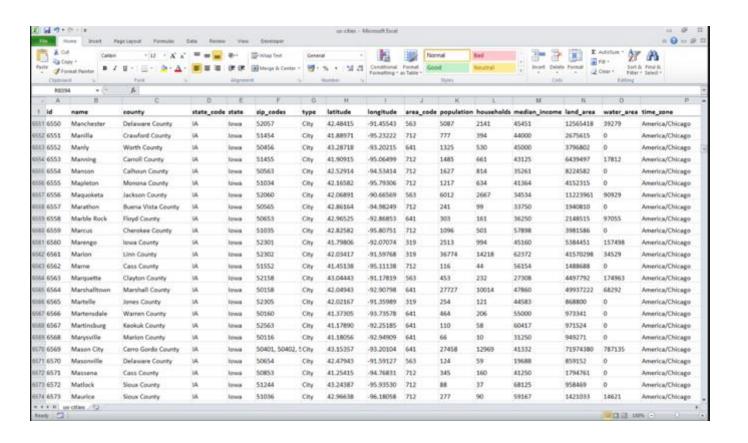
It's how the new knowledge worker is actually performing their job.

• FRANK BIEN, CEO OF LOOKER, 2016



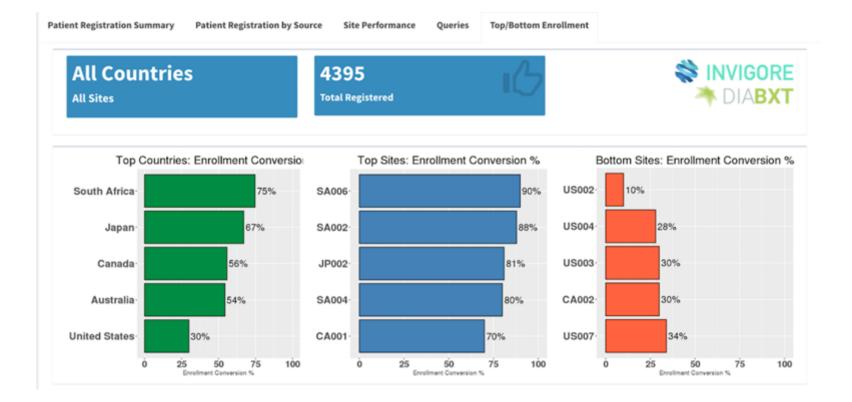
Data as UX -

Evolution

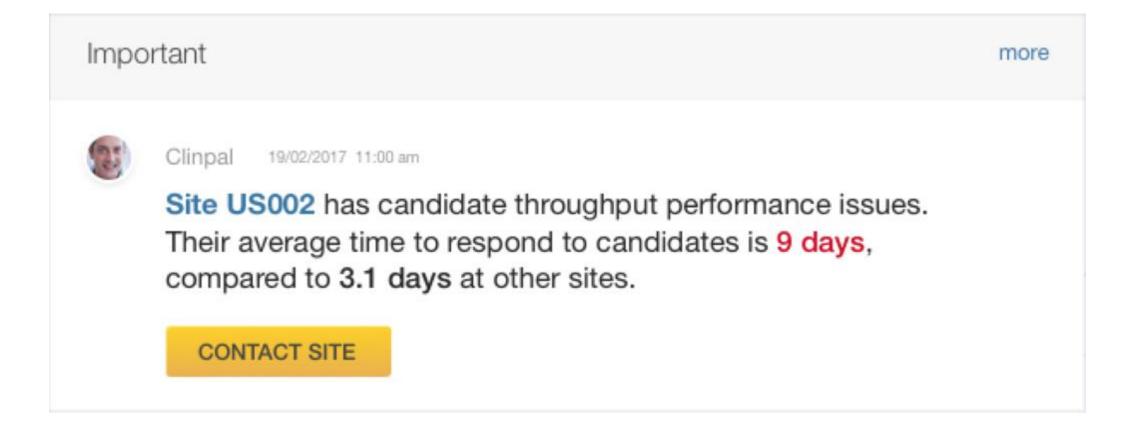


LIST

VISUALIZE



DIRECT



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Patient Motivators and Barriers



MOTIVATORS

- Treatment access
- Monetary
- Interest
- Altruism



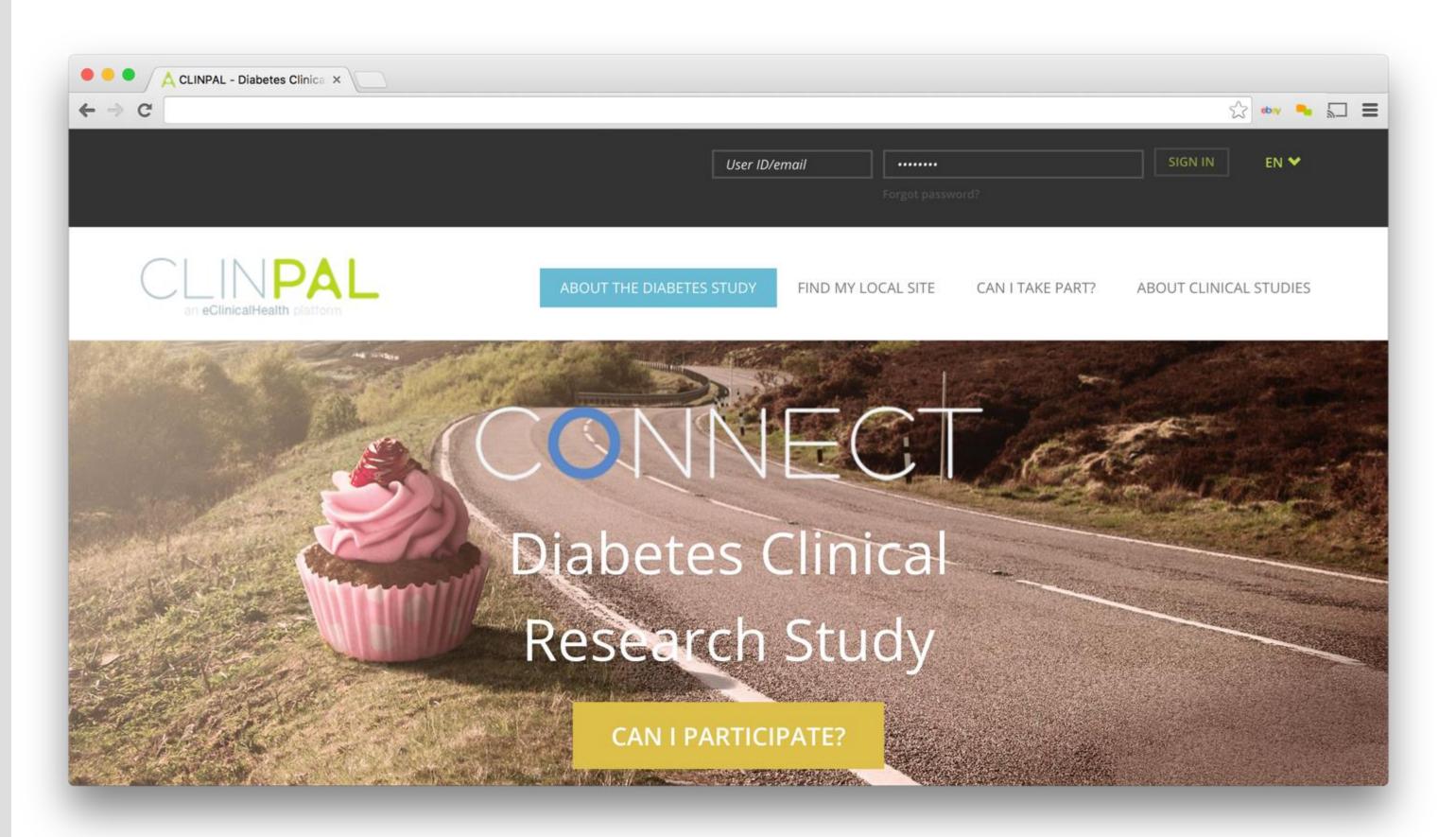
BARRIERS

- Interventions
- Burden: time, location inconvenience
- Misconceptions

Recruitment & Retention is all about ensuring this equation holds true at all times during the patient journey!



First Impressions





Welcome greetings

from Dr. Smith, Study Director

Alex, thank you very much for agreeing to take part in this important research to help us understand the safety of asthma treatments. Through these brief study newsletters, I want to share more information about the research with you and keep you up to date about how we're progressing in the study. In the video below, I have given some background about the study and why your participation is so important for this research.



With regards to our progress with the study, I can share the following metrics with you:

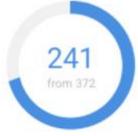


Planned / actual patients to be recruited globally



United States

Planned patients to Study site be recruited in the active in



Study sites currently active in the study



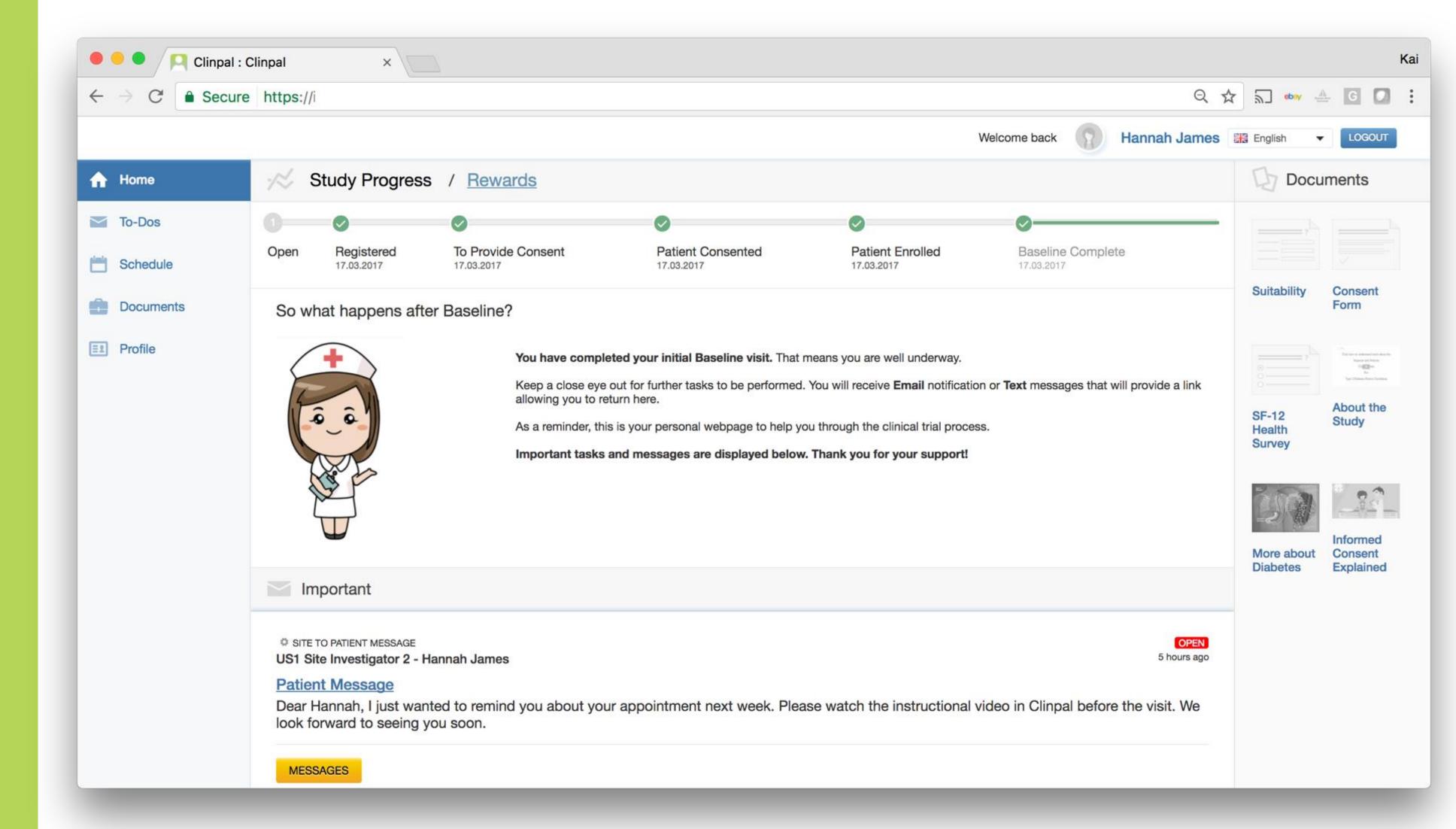
rrently Patient home diaries study captured to date (from expected)

"Bring Your Own Device"



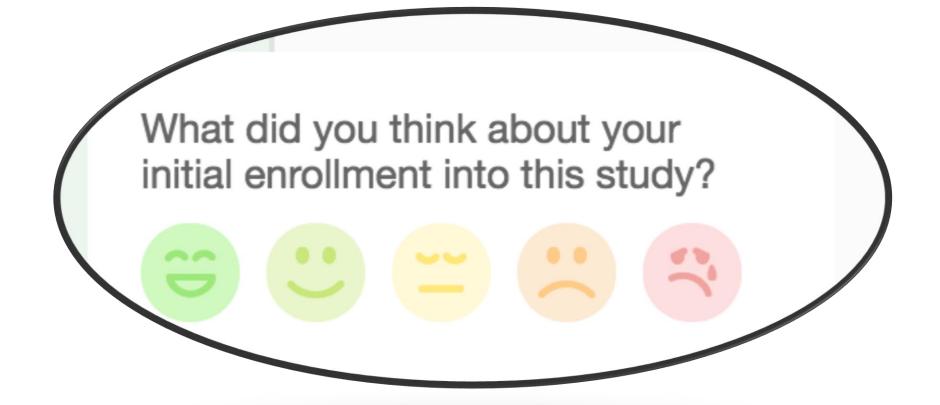


Support



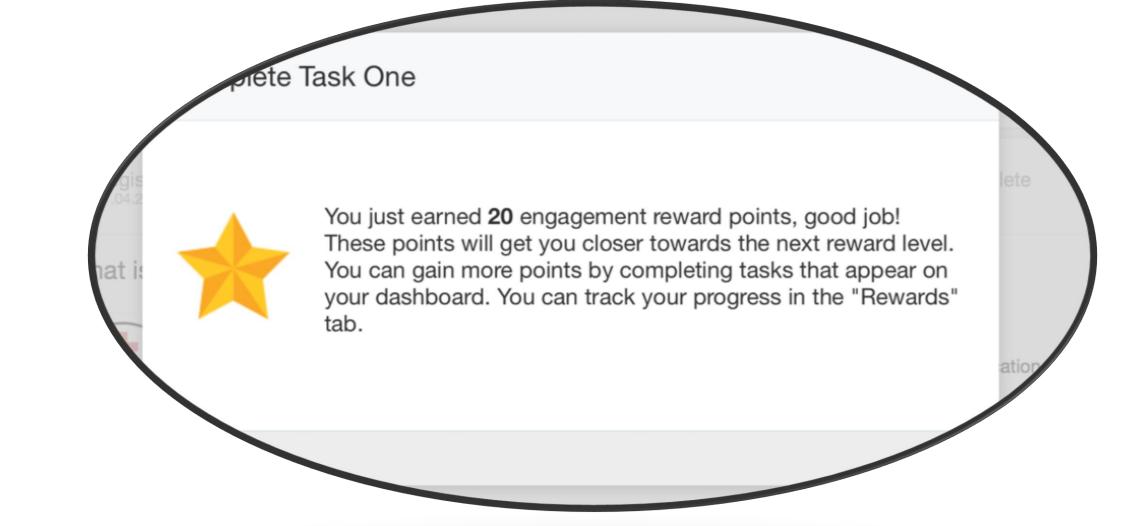


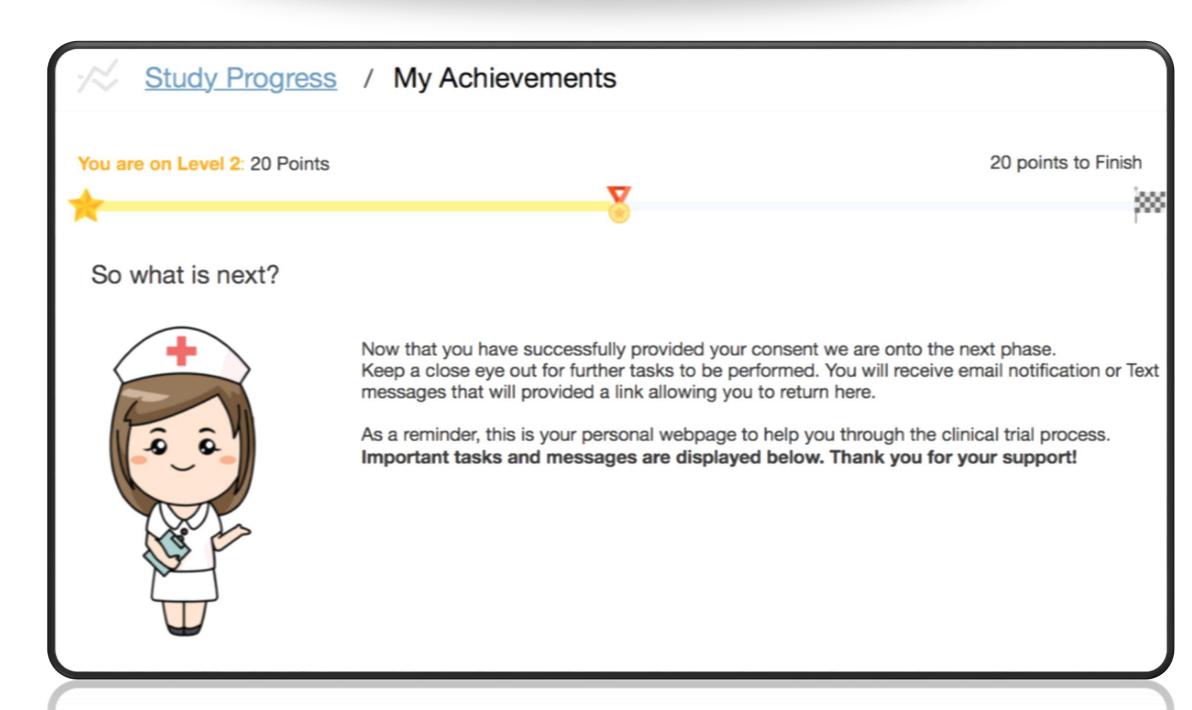
Measure Satisfaction





Provide Feedback







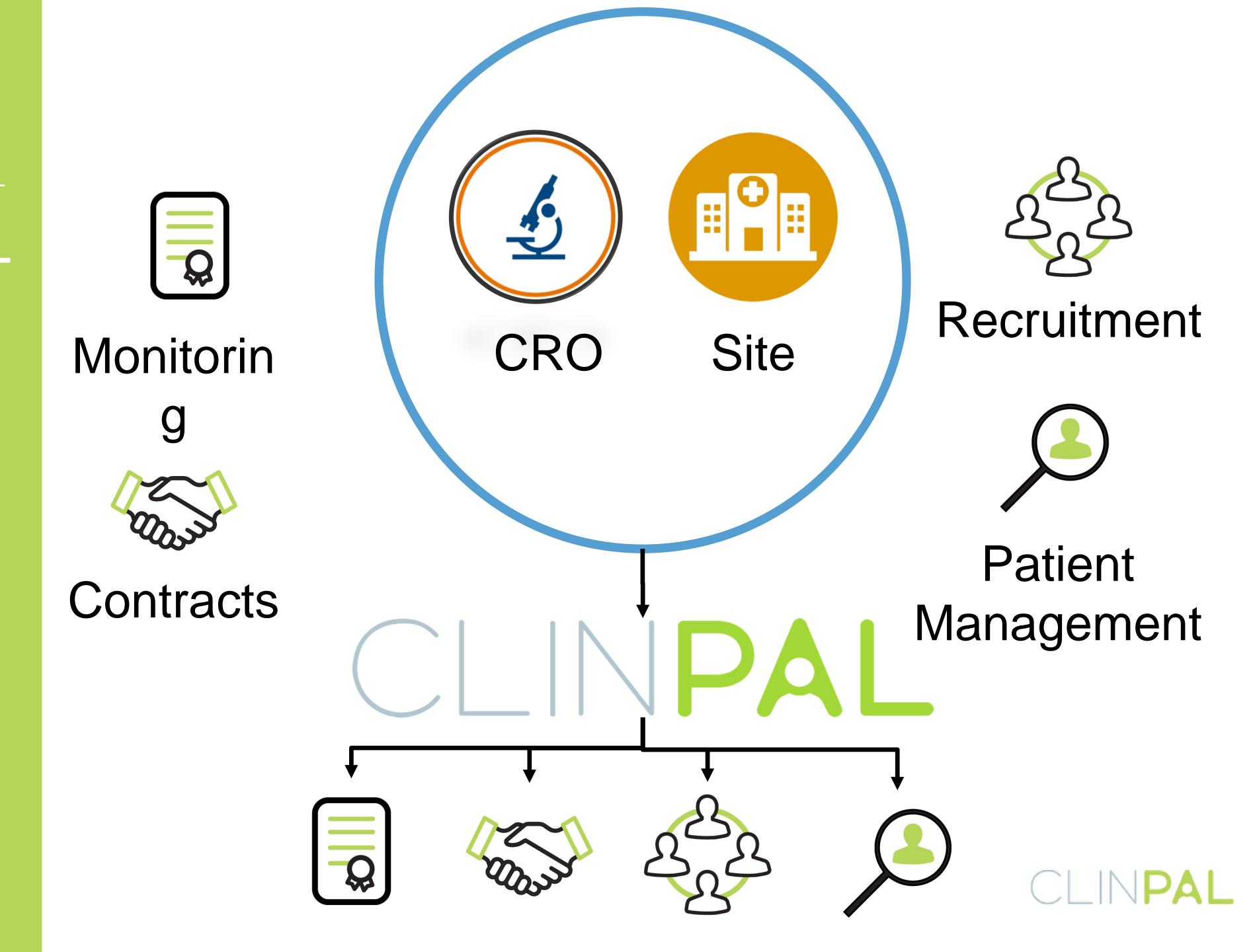
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Study Models



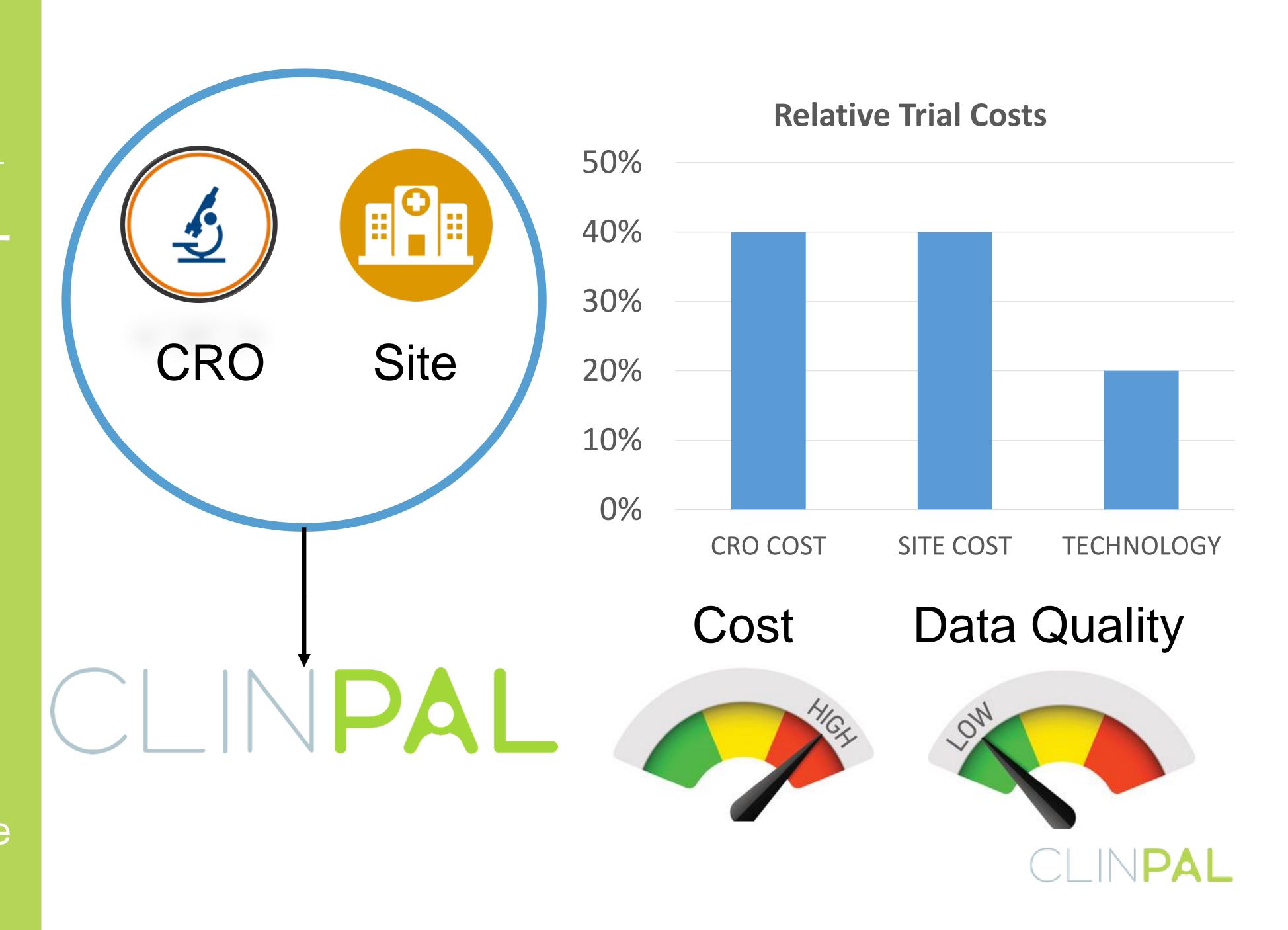
TRADITIONAL SITE-CENTRIC MODEL

- High dependency on sites
- High involvement of the CRO to manage sites
- Most activities are site-driven and only supported by



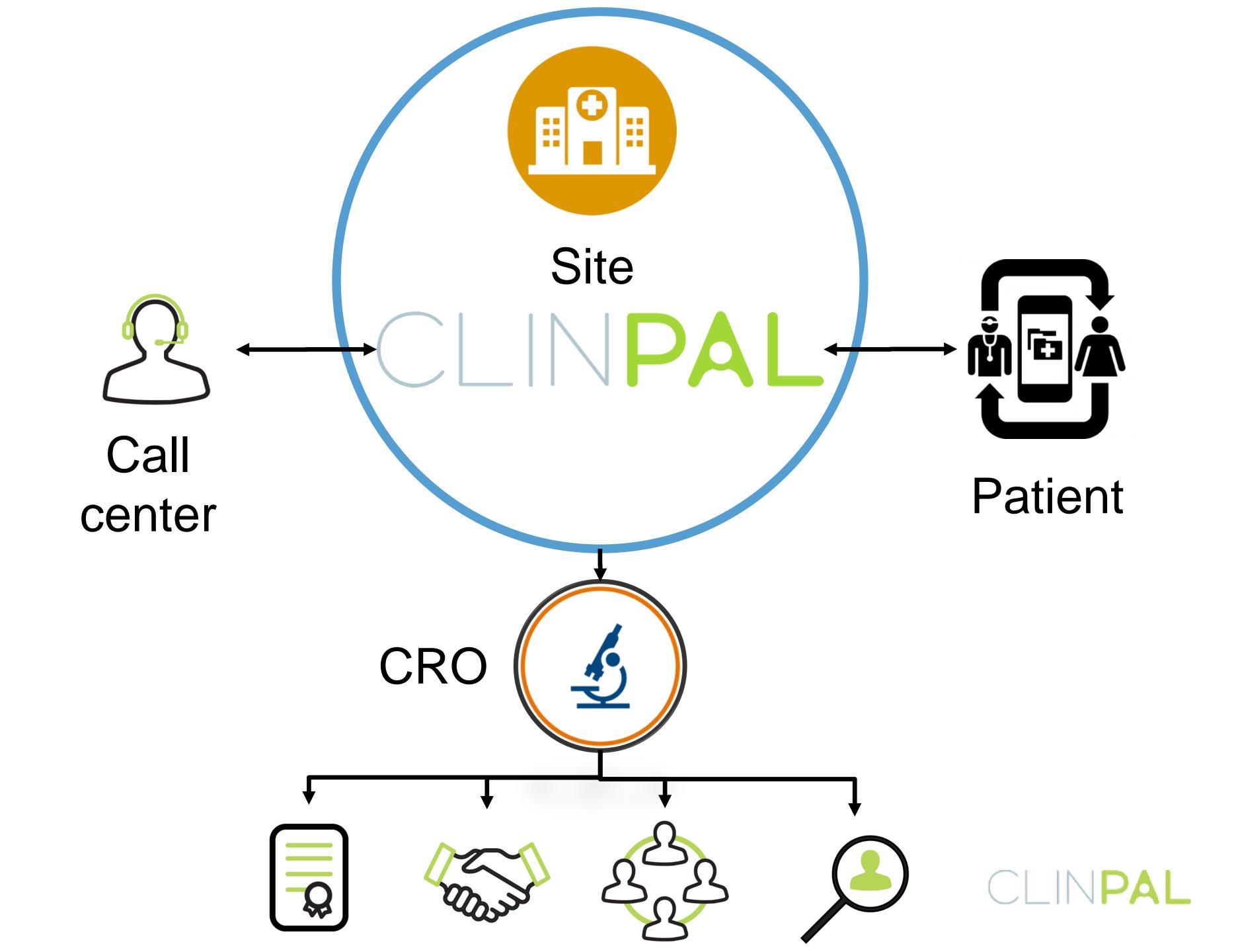
TRADITIONAL SITE-CENTRIC MODEL

- Slow to start-up due to high dependency on physical sites
- Paper source data
- Resource intensive to manage



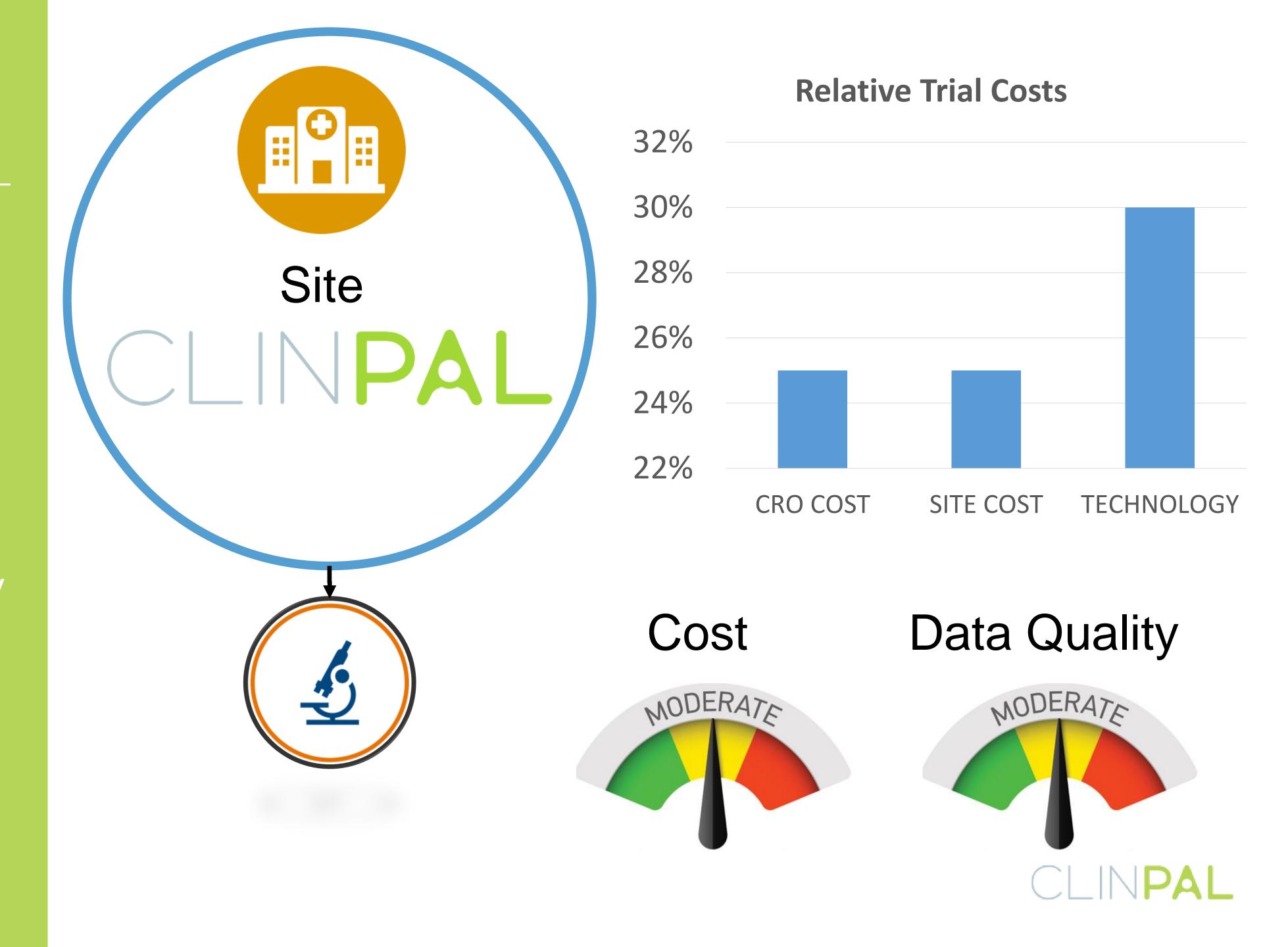
HYBRID MODEL

- Less dependency on the CRO
- Sites still involved, but operate more efficiently
- Some patient services are virtualized (call center, reminders, education...)



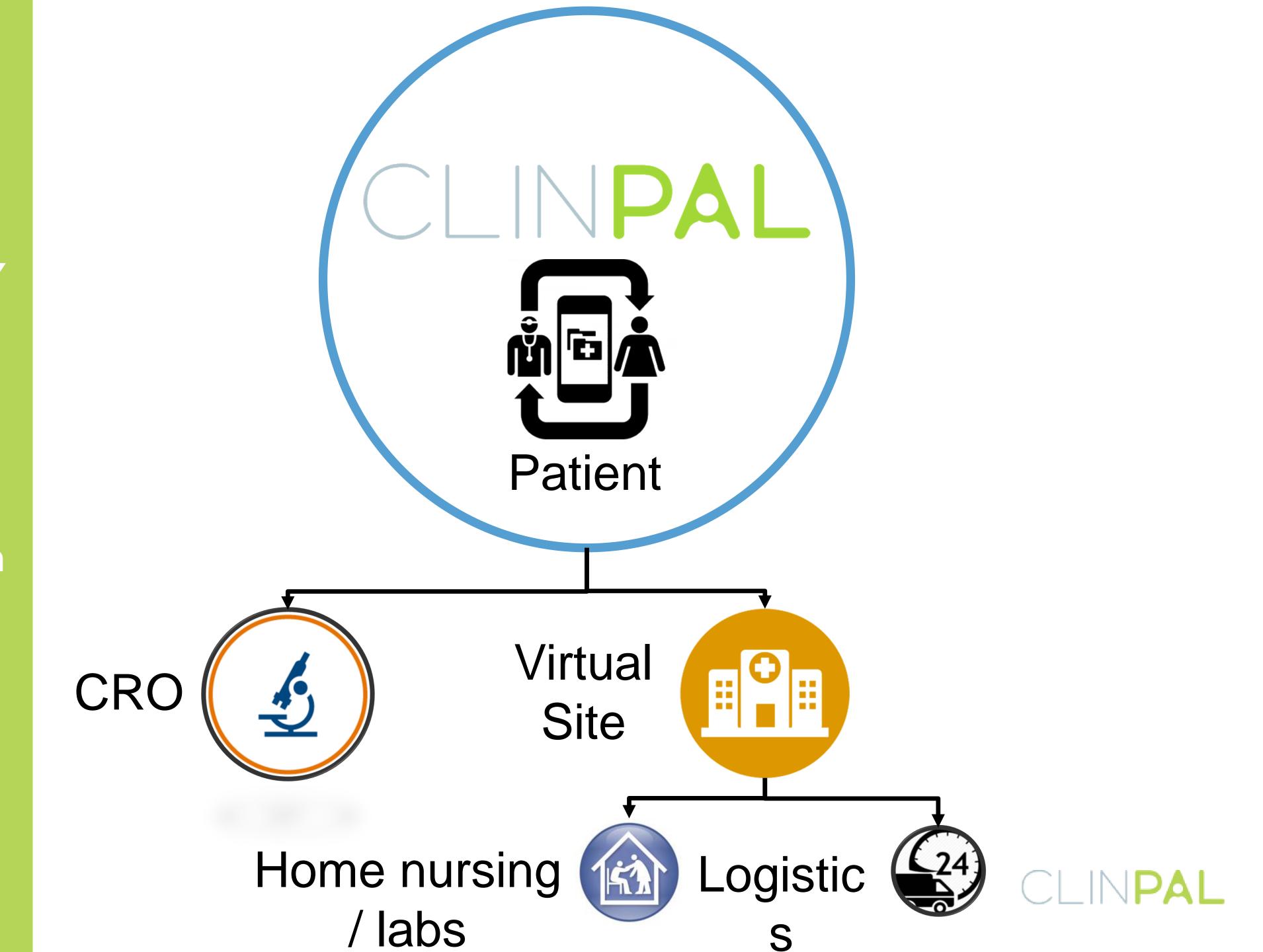
HYBRID MODEL

- Start-up is faster and management more efficient due to automation
- Increased quantity of eSource
- Less dependency on the CRO
- Technology driven



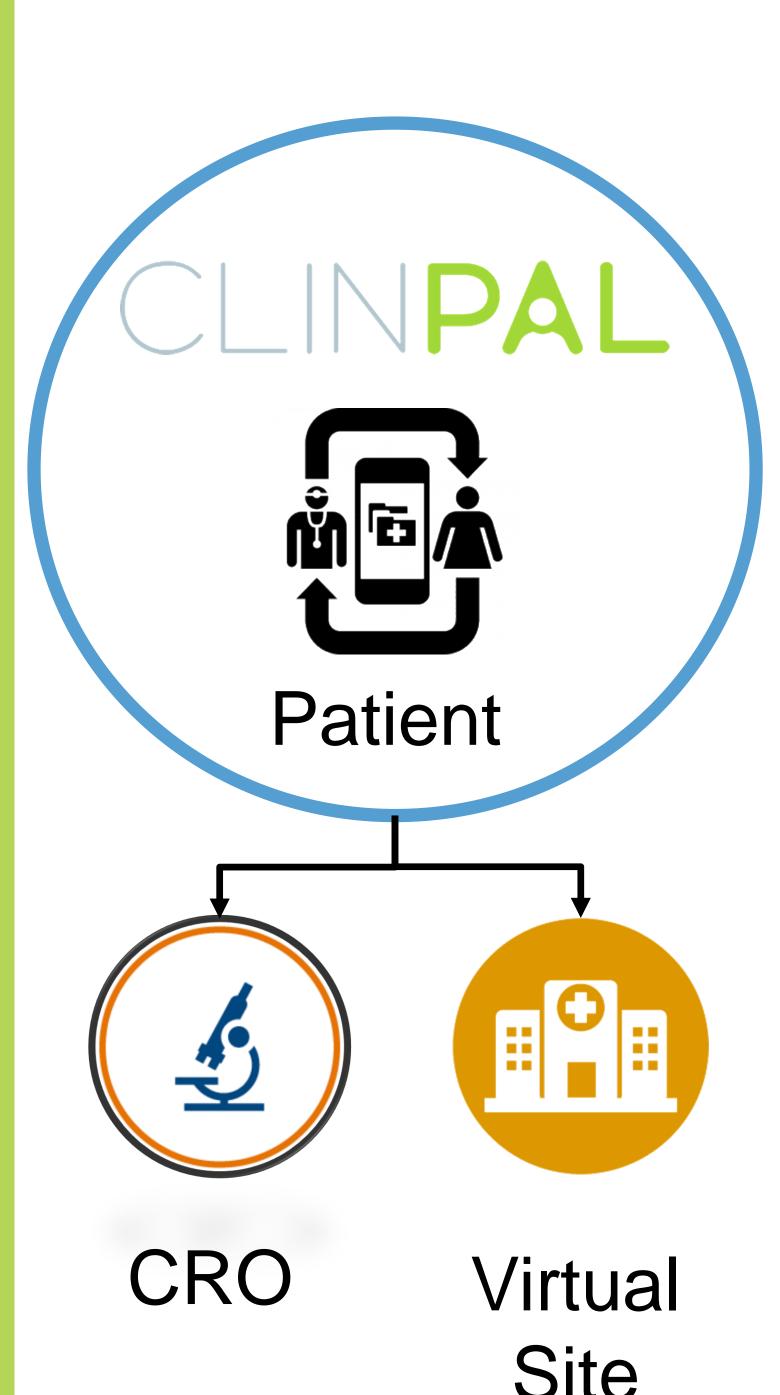
PATIENT & TECHNOLOGY CENTRIC MODEL

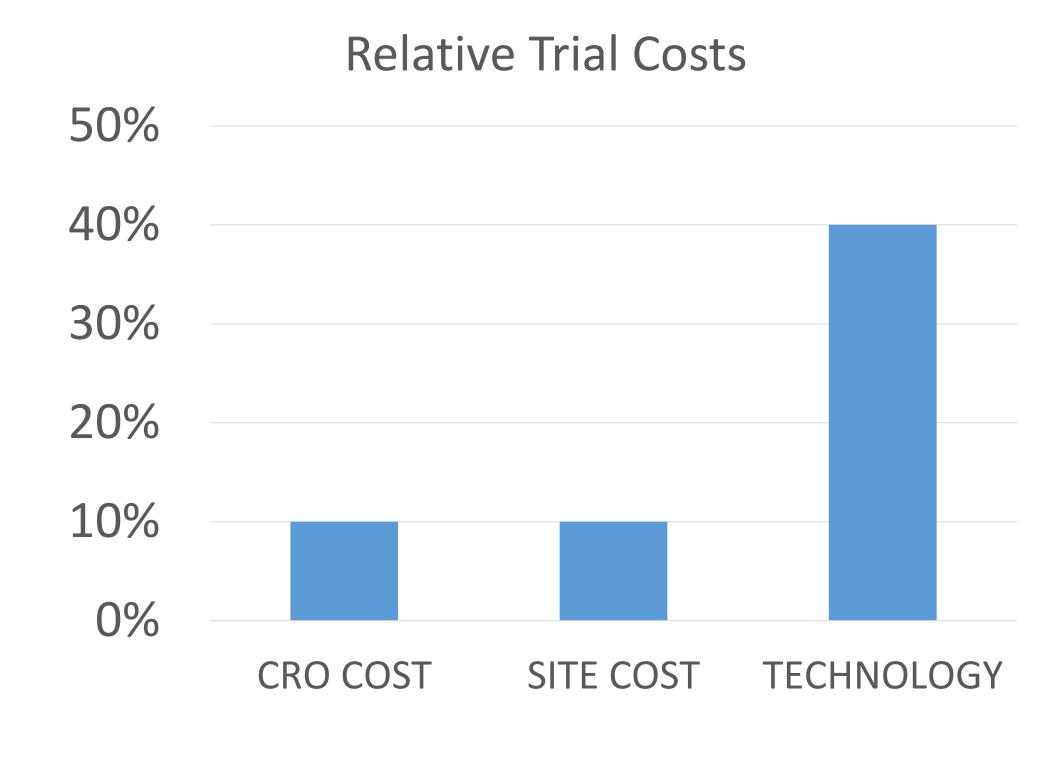
- Less dependency on the site (remote / semi-remote)
- Patients directly more involved
- Minimal / no involvement of the CRO



PATIENT & TECHNOLOGY CENTRIC MODEL

- Very fast start-up with no near-zero dependency on sites
- Reduced monitoring
 & management as
 most data is eSource
- Highly adaptable to accommodate in-life changes





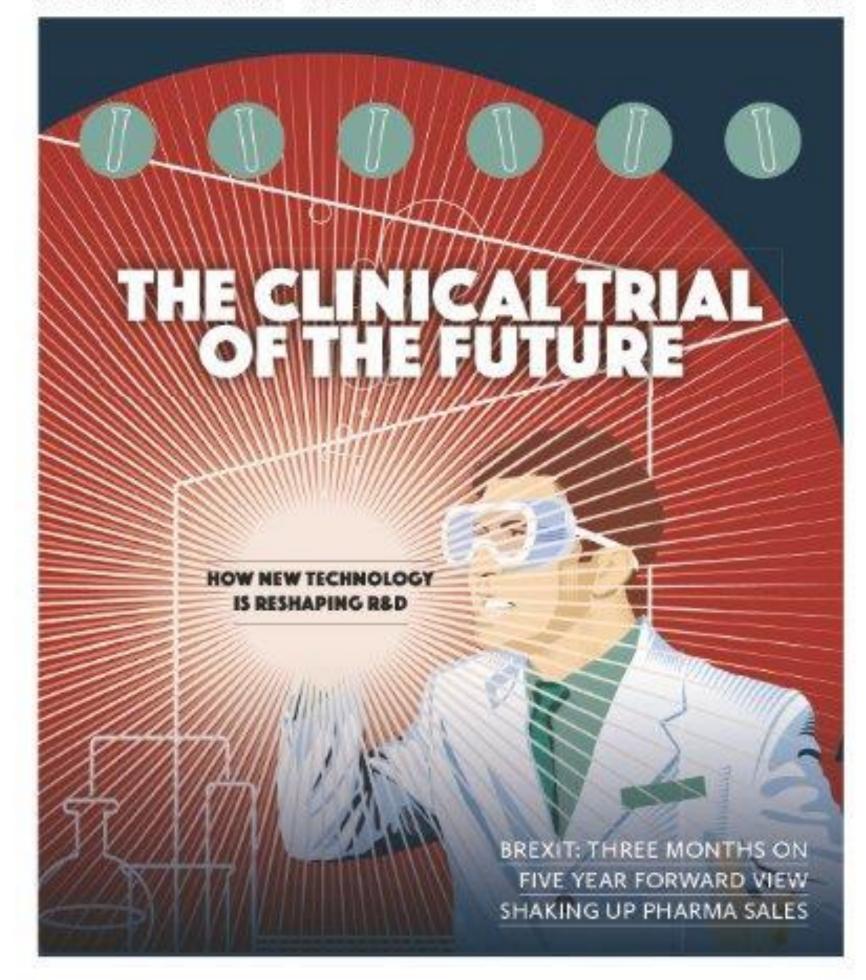




Case Study: Digital Engagement



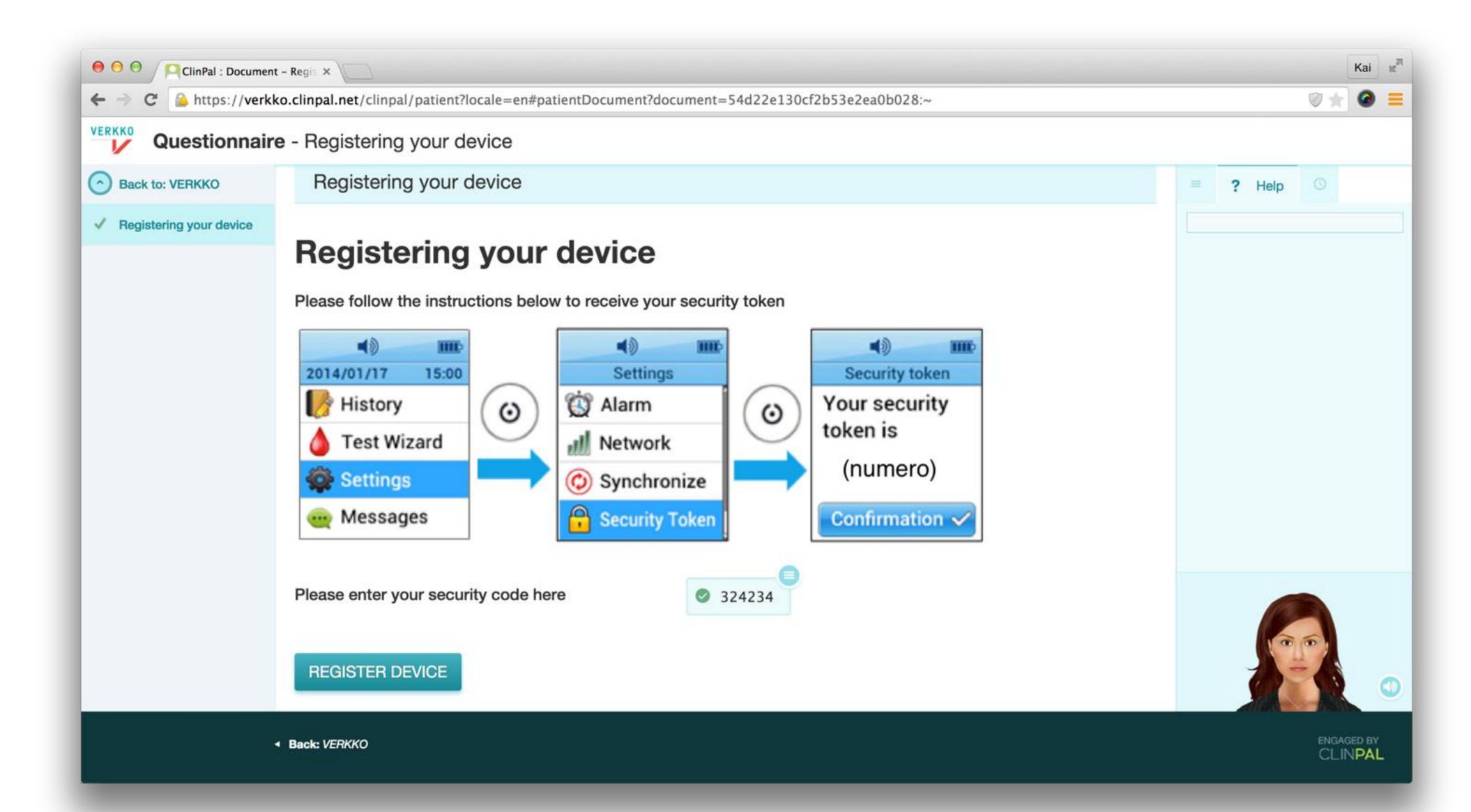
KICKSTARTING HEALTHCARE CONVERSATIONS



-11

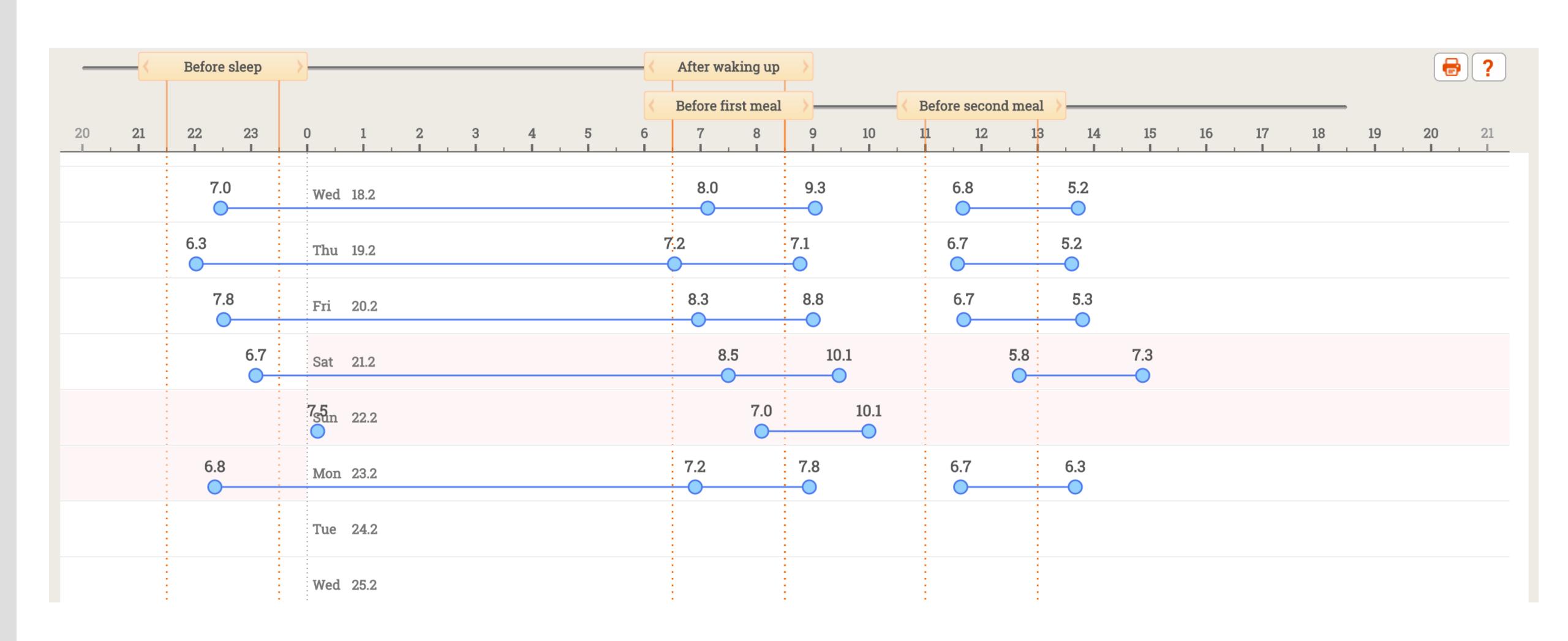


Registering Device





Logbook View





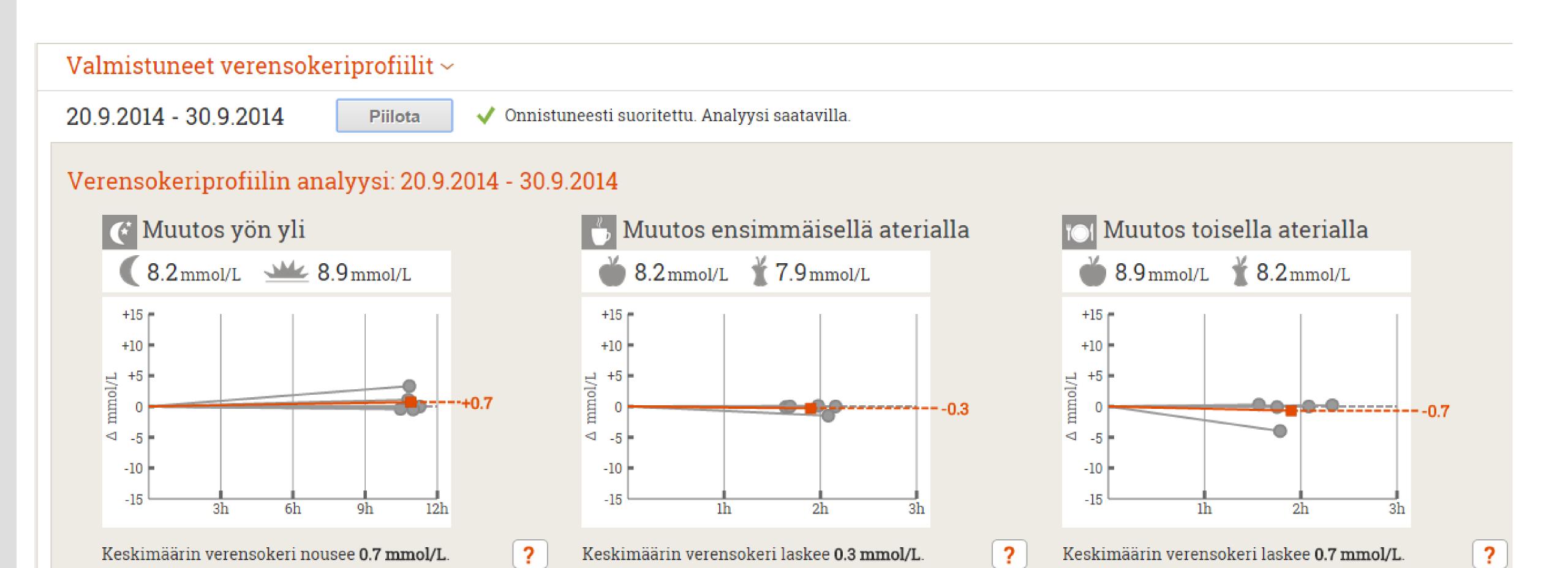
Personal Compliance Dashboard for Patients



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Muutoksen vaihtelu on 3.8 mmol/L.

Complete profile



Muutoksen vaihtelu on 1.6 mmol/L.

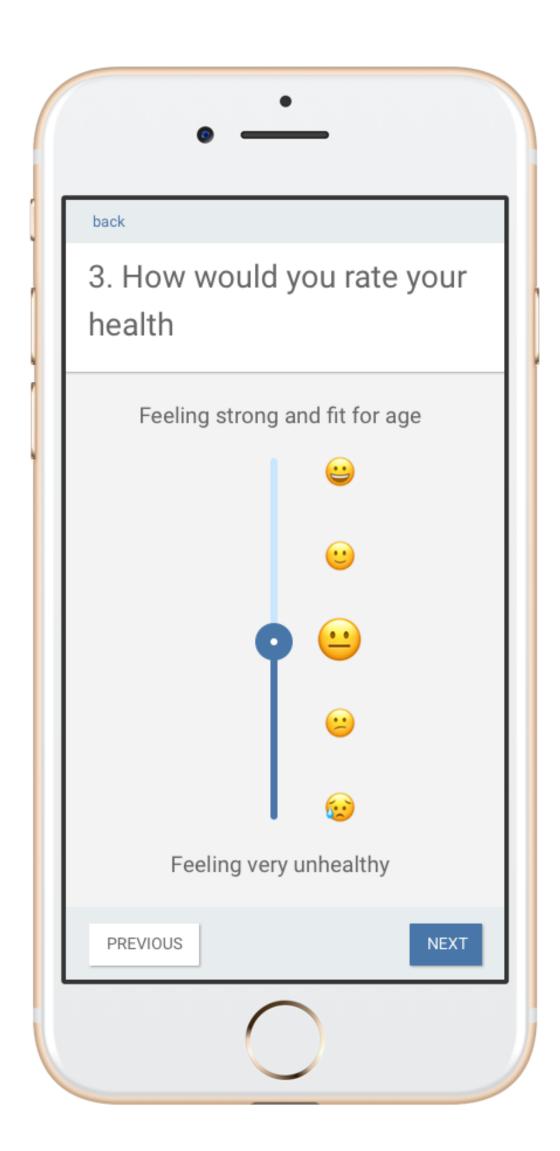
Muutoksen vaihtelu on 4.3 mmol/L.

VERKKO REMOTE STUDY

FINAL RESULTS VS.
COMPARATOR STUDY

- 90.8% patient satisfaction score
- 18% increase in compliance
- 22% faster profile completion
- 56% increased recruitment rate
- 300% increased site efficiency in managing patients

"This study was the most convenient diabetes clinical trial I have ever participated in." – Satu Vehkavaara, MD, Principal Investigator





PATIENT FEEDBACK

- 100% exit survey response rate
- Total of 121 comments from 47 participants



That's how monitoring a chronic disease should look like!



Easy to use - helped with taking part in the study



Fantastic, when will it be in general use?



Nice to see online where we're going



Easy as haymaking!



Thank You!



Get in Touch!

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