3 PENCONTRO NACIONAL H INVESTIGAÇÃO CLÍNICA & INOVAÇÃO BIOMÉDICA

21 MAIO | ISCTE LISBOA

AGÊNCIA DE INVESTIGAÇÃO CLÍNICA E INOVAÇÃO BIOMÉDICA













Digital transformation towards site competitiveness

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Clinical trials



PHARMACEUTICAL COMPANIES











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Internal analysis

We have carried out an internal analysis of our clinical trials workflow and its optimization which include:

- Process
- ✤ IT
- Economic
- Stakeholders
- Benchmarking



Process analysis



IT analysis



Economic analysis



		N	Compromised Pax (N)	Recruited Pax (N)	Backlog (€)	Billing (€)	¥
	Total CT	280	1703	1448	17.6 M€	12.4 M€	5.2 M€
)	Total recruiting CT	202	1342	1448	13.9 M€	11.9 M€	2 M€
	Total not recruiting CT	78	361	0	3.7 M€	360 K€	3.3 M€

CTs started and closed between 2016 and 2020

Stakeholders analysis

Strategic axes		Process				Digitization			Spaces			
Actions		Centralization of support			Quality plan	Implementation of CTMS/Data		Space optimization and reinforcement				
Needs 🔶		Study coordinators Manager	Start up	Financial follow-up	Closing	Transversal coordination team	Traceability	Invoicing	Dashboard	Increase out patient visit areas	Increase the day care hospital space	Nursing area
VHIR	Increase Recruitment											
	Increase Invoincing											
	Decrease Gap Back log vs invoicing											
	Increase Back log						5.1					
	Aspects of improvement detected during interviews with PIs (needs):											
	- Digitization: To have a tracking and traceability tool.											
	- Standardize internal and operational procedures for Study Coordinators											
	- Standardize the process of patient follow-up and management for PIs.											
	- Internal communication: More personalized access with IPs											
	- Detect and manage delays in the negotiation and signing of contracts for clinical											
	trials: Each time slower (15) someone IP has been left out (5)											
	- Invoicing: modify the invoicing follow-up through Econet.											
	- Increase the medical consultation areas on the 13th floor.											
	- Increase the ay care hospital Visit Space on the 13th floor.											
	- Elaborate SOPs to align research with the strategy of CSUR, ERN centers and bring											
	community and non-community patients to be treated at the AACC											
HUVH	- Define operations for making test requests to third parties (IDI, laboratories, etc.)											
	and standardize it with the PI's clinical research practice.											
	- Provide nursery service for adult and pediatric patients from clinical trials in the											
	emergency room or hospitalized.											
	- Move towards a model that allows compatibility between IP-dependent SC/DE											
	and other more structural ones.											
	- Pediatrics: Separate it from adults (functional examinations do not have the											
	necessary space on floor 13).											
	- Apply a differential protocol for immunocompromised pediatric patients.											
	- Pediatric hospitalization: search for a framework agreement with the Healthcare											
	Management in order to be able to admit patients included in the clinical procedures required by their protocols.											

High impact or direct action

Medium impact or indirect action

New model

& INOVAÇ

New model

Centralized support

- ✓ Optimizing human resources
- Standardizing operational procedures
- ✓ Stabilizing workforces
- Levering for continuous improvement

Digitalization (CTMS)

- ✓ Acting as a backbone of all activities and the CT process
- V Providing structure, traceability and accuracy
- ✓ Identifying needs
- Tracking KPIs, KQIs

under a Quality Management umbrella...

Quality Management

ACT PLAN Continuous Improvement CHECK DO

SUPPORT

CTMS

Digitalization

Clinical Trial Management System (CTMS)

To have a trustful tool to register and trace all activity related to clinical trials (CTs). Therefore, we can be sure where every single CT is and what is needed in every moment of its execution.

Outcomes:

- a) Improve the knowledge and traceability of the activity.
- b) Automate the invoicing of the activity.
- Obtain indicators through a Power BI dashboard (next upgrade) C)









Clinical Trial Management System (CTMS)

Scope

Develop and implement an strong software that allows to trace all the activity related to the clinical trials process, as well as to obtain indicators through a dashboard.



New model

Centralized support

Advantages

- Collect needs identification, and manage recruitment and training.
- Plan onboarding to specialized teams according to needs
- ✓ Offer solutions adapted to common situations: sick leaves, resignations, promotions
- ✓ Strengthening the relationship between the research team and the VHIR support structure.
- Management and monitoring of information on trial activities



CTMS outcomes



Benefits of the CTMS













Thank you for your time.





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