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## WWW INTENSE-TRM ORG

**INTENSE-TBM** is a phase III multicenter factorial design randomized controlled trial evaluating the efficacy of an intensified antitubercular and anti-inflammatory regimen including increased dose rifampicin, linezolid and aspirin in tuberculous meningitis.



Fig 1: TB incidence in the countries that participates in INTENSE-TBM

**METHODS:** The INTENSE-TBM project consists of 8 work-packages (WP). WP2-Capacity Building includes 4 main tasks: i) Set-up of clinical centers, ii) Set-up of microbiology laboratories, iii) Good Clinical Practice (GCP) and, iv) Infection Control (IC). WP2 leaders visited clinical and laboratory centers in collaboration with co-investigators at each site. Evaluation tools were developed which aimed to standardize the format of site evaluation, facilitate the collection of information and provide a template to report the visits. The information collected was used to identify individual site requirements to guide site preparation for the clinical trial.

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CAPACITY **BUILDING (CB) ensures all centers** have capacity to perform the clinical trial and develops a long-term network of skilled clinical earchers, centers and laboratories



Fig 2: INTENSE-TBM meeting in March 2019 in Abidjan (Ivory Coast)

**RESULTS** Sites evaluation identified a high level of heterogeneity among countries and between referral and regional centers within the same country; in particular sites where clinical trial research had never been performed. Table 1:

	Challenges	Interventions
Clinics and Labs	- Insufficient networking;	- Collaboration between
	patients and samples flow	institutions (national and
	- Limited availability of	international)
	diagnostic tests	- Knowledge transfer between
	- Limited research infrastructures	referral and regional centers
	- Insufficient maintenance of	- New diagnostic techniques
	available equipment	(Xpert MTB/RIF Ultra;
	- Supplies management and	MGIT liquid culture)
	storage challenges	- SOPs implementation and
	- Absent or insufficient Quality	training
	Controls (QC)	- Equipment purchase and
	- Lack of or insufficient data	maintenance
	management	- QC implementation
	- Lack of or deviations from	- Reinforce data management
	Standard operating procedures	- HIV Clinical training
	(SOPs)	- PK-PD training
GCP	- Irregular level of accreditation	- All personnel certified in
	- Different experience in	GCP
	research	- Online training
	- Capacity for training	- Face to face training in
		Madagascar
IC	- Lack of previous accreditation	- 5-day accredited training by
	- Lack of or insufficient capacity	Infection Control African
	training	Network (ICAN) through live
	- Budget and availability	streaming
	limitations	

CONCLUSION: Evaluation visits showed significant differences in terms of needs and capacities. CB promotes networking and transfer of knowledge, allowing standardization among centers to ensure that the minimal requirements for the clinical trial are achieved. CB interventions must last beyond the project uration, and they advocate for the decentralization of the health care se

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