

# **Imperial College London Participation**

EDCTP3

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Validation of treatment decision algorithms for childhood tuberculosis at low levels of healthcare in high burden countries - effectiveness, implementation, and integration into policy and practices

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## **Introduction**

This booklet comprises the Project under the European Developing Countries Clinical Trials Partnership 3 that Imperial participate in as a Beneficiary. Funding from EDCTP3.

# Validation of treatment decision algorithms for childhood tuberculosis at low levels of healthcare in high burden countries - effectiveness, implementation, and integration into policy and practices

## Fact Sheet

### Project Information

#### Decide-TB

Grant agreement ID: 101103283

#### DOI

[10.3030/101103283](https://doi.org/10.3030/101103283)

#### EC signature date

21 March 2023

#### Start date

1 April 2023

#### End date

31 March 2027

Funded under  
Health

#### Total cost

€ 5 299 965,00

#### EU contribution

€ 5 299 965,00

#### Coordinated by

UNIVERSITE DE BORDEAUX

 France

## Objective

Childhood tuberculosis (TB) remains globally underdiagnosed and untreated. In 2022, WHO conditionally recommended the use of treatment decision algorithms (TDAs) to improve the diagnosis of pulmonary TB in children <10 years and called for the external validation of two suggested TDAs for children. The Decide-TB project aims to generate evidence for the implementation of a comprehensive TDA-based approach for TB in children living in high-burden, resource-limited countries, at

district hospital and primary health centre levels, and to facilitate the integration of this evidence into practice and policy. As an interdisciplinary consortium of researchers and national TB programs (NTPs), we will conduct a programmatic pilot of WHO-suggested TDAs, also integrating specific TDAs for children living with HIV and/or those malnourished, and severity assessment for shorter treatment decision in non-severe TB disease. Clinical mentoring tools and a Clinical Decision Support System will be developed. District information systems will be strengthened to collect individual data for program monitoring and supervision by NTPs, and for research. The TDA-based approach will be tested in a pragmatic stepped wedge cluster-randomized trial, including effectiveness, implementation, socio-behavioural, economics and policy research components. The diagnostic accuracy of TDAs will be assessed in a parallel meta-analysis of children with presumptive TB from recent studies led by consortium members. The pragmatic trial and meta-analysis will contribute to external validation of the WHO-suggested TDAs. Engagement of key stakeholders and decision-makers throughout the project will support adoption into international and national policies and into clinical practice. Through validation of TDAs, widespread policy adoption, and translation into clinical practice, Decide-TB will increase access to safe and effective TB management for children, thus reduce TB mortality and contribute to SDG3.

## Fields of science

[social sciences](#) > [sociology](#) > [demography](#) > [mortality](#)

[social sciences](#) > [economics and business](#) > [economics](#)

[medical and health sciences](#) > [health sciences](#) > [infectious diseases](#) > [RNA viruses](#) > [HIV](#)

[medical and health sciences](#) > [clinical medicine](#) > [pneumology](#) > [tuberculosis](#)

## Keywords

[tuberculosis](#)

[children](#)

[treatment decision algorithms](#)

[digital](#)

[pragmatic trial](#)

[effectiveness](#)

[implementation](#)

[feasibility](#)

[acceptability](#)

[cost-effectiveness](#)

[clinical practices](#)

[policy](#)

## Programme(s)

[HORIZON.2.1 - Health](#)

MAIN PROGRAMME

## Topic(s)

[HORIZON-JU-GH-EDCTP3-2022-CALL1-01-01 - Promoting implementation of research results into policy and practice](#)

## Call for proposal

[HORIZON-JU-GH-EDCTP3-2022-01](#)

[See other projects for this call](#)

## Funding Scheme

[HORIZON-JU-RIA - HORIZON JU Research and Innovation Actions](#)

## Coordinator



### UNIVERSITE DE BORDEAUX

Net EU contribution

€ 1 394 278,75

Address

Place pey berland 35

33000 Bordeaux

 France 

Region

Nouvelle-Aquitaine > Aquitaine > Gironde

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00

## Participants (12)

## ADERA SAS

 France

Net EU contribution

**€ 221 250,00**

Address

**11 avenue de canteranne batiment gienah cite photonique  
33600 Pessac** 

Region

**Nouvelle-Aquitaine > Aquitaine > Gironde**

Activity type

**Private for-profit entities (excluding Higher or Secondary Education Establishments)**

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

**€ 0,00**



## STELLENBOSCH UNIVERSITY

 South Africa

Net EU contribution

**€ 208 593,75**

Address

**Victoria street administration b building  
7600 Stellenbosch** 

Activity type

**Higher or Secondary Education Establishments**

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

**€ 0,00**



## UNIVERSITY OF ZAMBIA

 Zambia

Net EU contribution

**€ 1 067 018,75**

Address

**Great east road campus**

**10101 Lusaka** 

Activity type

**Higher or Secondary Education Establishments**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 


[HORIZON collaboration network](#) 

Other funding

**€ 0,00**



## Instituto Nacional de Saúde

 Mozambique

Net EU contribution

**€ 853 783,75**

Address

**Avenida eduardo mondlane 1008**

**Maputo** 

Activity type

**Research Organisations**

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

**€ 0,00**





## INSTITUT DE RECHERCHE POUR LE DEVELOPPEMENT

 France

Net EU contribution

**€ 337 430,00**

Address

**Boulevard de dunkerque 44 cs 90009**  
**13572 Marseille** 

Region

**Provence-Alpes-Côte d'Azur > Provence-Alpes-Côte d'Azur > Bouches-du-Rhône**

Activity type

**Research Organisations**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

**€ 0,00**

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## THE UNIVERSITY OF SHEFFIELD

 United Kingdom

Net EU contribution

**€ 162 250,00**

Address

**Firth court western bank**  
**S10 2TN Sheffield** 

Region

**Yorkshire and the Humber > South Yorkshire > Sheffield**

Activity type

**Higher or Secondary Education Establishments**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

**€ 0,00**



## LUDWIG-MAXIMILIANS-UNIVERSITAET MUENCHEN

Germany

Net EU contribution

€ 0,00

Address

**Geschwister scholl platz 1**  
**80539 Muenchen**

Region

**Bayern > Oberbayern > München, Kreisfreie Stadt**

Activity type

**Higher or Secondary Education Establishments**

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Other funding

€ 0,00

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### THIRD-PARTY

## KLINIKUM DER UNIVERSITAT MUNCHEN

Germany

Net EU contribution

€ 231 177,50

Address

**Marchioninistrasse 15**  
**81377 Munchen**

Region

**Bayern > Oberbayern > München, Kreisfreie Stadt**

Activity type

**Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)**

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Other funding

€ 0,00

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## IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

 United Kingdom

Net EU contribution

€ 109 901,25

Address

**South kensington campus exhibition road**  
**SW7 2AZ London** 

Region

**London > Inner London — West > Westminster**

Activity type

**Higher or Secondary Education Establishments**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00

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## UNIVERSIDADE EDUARDO MONDLANE

 Mozambique

Net EU contribution

€ 55 062,50

Address

**Reitoria da universidade, praca 25 de junho 257**  
**00200 Maputo** 

Activity type

**Higher or Secondary Education Establishments**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 


Other funding

€ 0,00

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## MINISTERIO DA SAUDE

 Mozambique

Net EU contribution

€ 477 687,50

Address

**Av eduardo mondlane caixa postal 264**

**N/A Maputo** 

Activity type

**Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)**

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00

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## MINISTRY OF HEALTH

 Zambia

Net EU contribution

€ 181 531,25

Address

**Ndeke house**

**10101 Lusaka** 

Activity type

**Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)**

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Other funding

€ 0,00

**Last update:** 14 July 2023

**Permalink:** <https://cordis.europa.eu/project/id/101103283>

European Union, 2024