

# A cluster randomised trial of two intensified tuberculosis case-finding strategies in an urban community severely affected by human immunodeficiency virus

<b>Submission date</b> 14/10/2005	<b>Recruitment status</b> No longer recruiting	<input checked="" type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
<b>Registration date</b> 14/10/2005	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input checked="" type="checkbox"/> Results
<b>Last Edited</b> 19/06/2015	<b>Condition category</b> Infections and Infestations	<input type="checkbox"/> Individual participant data

## Plain English summary of protocol

Not provided at time of registration

## Contact information

### Type(s)

Scientific

### Contact name

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### Contact details

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## Additional identifiers

### Protocol serial number

074644; LSHTM ITCR BA79

## Study information

**Scientific Title**

A cluster randomised trial of two intensified tuberculosis case-finding strategies in an urban community severely affected by human immunodeficiency virus

**Acronym**

DETECTB

**Study objectives**

1. To compare the cumulative yield and residual burden of two potentially sustainable intensified TB case-finding methods applied for 3 years in a high HIV setting
2. To investigate HIV-specific point prevalence and incidence of active TB disease in an urban community before and after the intervention period (as of 13/02/2007 this hypothesis was changed to 'To investigate the change in point prevalence of culture-positive TB disease in an urban community before and after the intervention period')

On 13/02/2007 the overall trial end date was changed to 01/12/2008.

**Ethics approval required**

Old ethics approval format

**Ethics approval(s)**

Not provided at time of registration

**Study design**

Randomised controlled trial

**Primary study design**

Interventional

**Study type(s)**

Treatment

**Health condition(s) or problem(s) studied**

Tuberculosis

**Interventions**

Cluster-randomised trial of high density neighbourhoods in Zimbabwe

Randomisation unit: each neighbourhood site

Number of sites: 46

Each neighbourhood is randomised to receive either mobile clinic or door-to-door enquiry.

Open cohort of all adults living in households within study neighbourhoods (~120,000 in total). Stratified randomisation according to pre-intervention TB case-notification rates.

**Intervention Type**

Other

**Phase**

Not Specified

**Primary outcome(s)**

Cumulative yield of TB cases detected through six rounds of periodic (six-monthly) case-finding intervention delivered through either:

1. House-to-house enquiry for chronic coughers
2. Mobile diagnostic clinic visits

**Key secondary outcome(s)**

HIV-specific point prevalence and incidence of active TB disease before and immediately after the intervention (for whole study area with both arms combined) - as of 13/02/2007 this secondary outcome measure was changed to: 'Point prevalence of culture-positive TB disease before and immediately after the intervention (for whole study area with both arms combined)'.

**Completion date**

01/12/2008

## **Eligibility**

**Key inclusion criteria**

Site:

1. Study neighbourhoods based on Census Evaluation Units (CEUs) in residential suburbs of South-West and Western Harare
2. Three to four CEUs combined to provide:
  - a. 2000-3000 adults registered for 2002 Census
  - b. No flats or Halls of Residence
  - c. At least 500 km distance between study neighbourhoods

All eligible neighbourhoods included

**Participant type(s)**

Patient

**Healthy volunteers allowed**

No

**Age group**

Adult

**Sex**

All

**Key exclusion criteria**

Individual:

1. Declined consent to participate
2. Aged below 16 years

**Date of first enrolment**

01/02/2006

**Date of final enrolment**

07/08/2006

# Locations

## Countries of recruitment

United Kingdom

England

Zimbabwe

## Study participating centre

London School of Hygiene and Tropical Medicine

London

United Kingdom

WC1E 7HT

# Sponsor information

## Organisation

London School of Hygiene and Tropical Medicine (UK)

## ROR

<https://ror.org/00a0jsq62>

# Funder(s)

## Funder type

Charity

## Funder Name

Wellcome Trust (UK) (grant ref: 074644)

## Alternative Name(s)

## Funding Body Type

Private sector organisation

## Funding Body Subtype

International organizations

## Location

United Kingdom

# Results and Publications

## Individual participant data (IPD) sharing plan

IPD sharing plan summary  
Not provided at time of registration

### Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
<a href="#">Results article</a>	results	09/10/2010		Yes	No