

# The Millennium Villages Project (MVP): Integrating the delivery of health and development interventions and assessing the impact on child survival in sub-Saharan Africa

<b>Submission date</b> 12/05/2010	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
<b>Registration date</b> 03/06/2010	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input checked="" type="checkbox"/> Results
<b>Last Edited</b> 13/03/2019	<b>Condition category</b> Other	<input type="checkbox"/> Individual participant data

## Plain English summary of protocol

Not provided at time of registration

## Study website

<http://www.ciesin.columbia.edu/mvpeval>

## Contact information

### Type(s)

Scientific

### Contact name

Prof Jeffrey Sachs

### Contact details

Low Library  
Room 314  
535 West 116th St  
New York  
United States of America  
10027  
+1 (0)212 854 8704  
[sachs@columbia.edu](mailto:sachs@columbia.edu)

## Additional identifiers

### EudraCT/CTIS number

Nil known

**IRAS number**

**ClinicalTrials.gov number**

NCT01125618

**Secondary identifying numbers**

N/A

## **Study information**

### **Scientific Title**

A pair-matched community intervention trial to assess the impact of an integrated health and development intervention on child survival and the Millennium Development Goals (MDG) in 10 sub-Saharan African countries

### **Acronym**

MVP

### **Study objectives**

1. After 5 years of operation, villages exposed to the MVP intervention will have a lower rate of under-5 mortality and parallel gains in MDG-related secondary outcomes when compared to similar villages not receiving the intervention.
2. That the coordinated delivery a multi-sector package of health and development interventions implemented through a broad-based local partnership is feasible in a diversity of sub-Saharan African contexts, and;
3. The intervention package can be delivered at a scalable cost of US\$40 per person per year in the health sector and US\$110 per person per year in total

### **Ethics approval required**

Old ethics approval format

### **Ethics approval(s)**

Columbia University Institutional Review Board approved on 30/01/2005 (ref: AAAA8202). The latest ethical review was approved on 17/04/2009.

Approval has also been received from all host-country IRBs

### **Study design**

Pair-matched community intervention trial

### **Primary study design**

Interventional

### **Secondary study design**

Case-control study

### **Study setting(s)**

Community

### **Study type(s)**

Other

## **Participant information sheet**

See [www.mvpeval.ciesin.columbia.edu](http://www.mvpeval.ciesin.columbia.edu) for patient information sheets and informed consents.

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

Child mortality, Millennium Development Goals

## **Interventions**

The Millennium Villages Project involves the coordinated and simultaneous delivery of a package of proven interventions in health, agriculture, infrastructure and education at a projected annual cost of US\$110 per capita.

## **Intervention Type**

Other

## **Phase**

Not Applicable

## **Primary outcome measure**

Under 5 mortality rate, measured at baseline, after 3 years and after 5 years of intervention exposure

## **Secondary outcome measures**

1. Proportion of under 5s who are:
    - 1.1. Stunted (low height for age Z-score)
    - 1.2. Wasted (low weight for height Z-score)
    - 1.3. Underweight (low weight for age Z-score)
  2. Duration of breastfeeding
  3. Age at introduction of complementary feeding
  4. Proportion of under 5s with diarrhoea in past 2 weeks
  5. Proportion of under 5s with diarrhoea in past 2 weeks who receive ORS
  6. Proportion under 1s immunized against measles
  7. Proportion of under 5s treated for pneumonia
  8. Prevalence of malaria among under 5s
  9. Proportion of under 5s with a fever in the past 2 weeks who receive appropriate anti-malarial treatment
  10. Proportion of under 5s sleeping under Long lasting insecticide treated bed-nets
  11. Proportion of pregnant women who received an HIV test
  12. Proportion of newborns receiving a post-natal check in the first week of life
  13. Proportion of women who receive at least 4 ante-natal care (ANC) visits
  14. Proportion of births attended by skilled health personnel
  15. Survival rate to last grade of primary education
  16. Asset based wealth index
  17. Proportion of households reporting not enough food for 1 of past 12 months
  18. Proportion of the population using an improved drinking water source
  19. Proportion of the population using an improved sanitation source
- Outcomes will be measured at baseline, after 3 years and after 5 years of intervention exposure

## **Overall study start date**

01/06/2006

**Completion date**

01/06/2012

## Eligibility

**Key inclusion criteria**

Resident in a Millennium Village Cluster and informed consent to undergo periodic assessments. Selection of comparison villages is based on village-level parameters with the potential to influence child mortality and related MDG outcomes including:

1. agro-ecological zone
2. accessibility (distance to tar roads and markets)
3. principal livelihood strategies
4. crop types
5. levels of electrification
6. numbers of clinics and schools
7. presence of other development projects in the area

**Participant type(s)**

Patient

**Age group**

Other

**Sex**

Both

**Target number of participants**

6000 households followed at baseline and after 3 and 5 years of intervention exposure

**Key exclusion criteria**

Does not meet inclusion criteria

**Date of first enrolment**

01/06/2006

**Date of final enrolment**

01/06/2012

## Locations

**Countries of recruitment**

Ethiopia

Ghana

Kenya

Malawi

Mali

Nigeria

Rwanda

Senegal

Tanzania

Uganda

United States of America

**Study participating centre**

**Low Library**

New York

United States of America

10027

## **Sponsor information**

**Organisation**

United Nations Development Program (UNDP) - Regional Bureau for Africa (RBA)

**Sponsor details**

One United Nations Plaza, DCI-2458

New York

United States of America

10017

**Sponsor type**

Government

**Website**

<http://www.undp.org>

**ROR**

<https://ror.org/051777d98>

## **Funder(s)**

**Funder type**

Government

**Funder Name**

United Nations Development Program (UNDP) - Regional Bureau for Africa (RBA) (UNDP CU08-8798)

## Results and Publications

**Publication and dissemination plan**

Not provided at time of registration

**Intention to publish date****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	09/06/2012	13/03/2019	Yes	No