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

Submission date 12/05/2010	**Recruitment status** No longer recruiting	[_] Prospectively registered [_] Protocol [_] Statistical analysis plan [X] Results [_] Individual participant data
Registration date 03/06/2010	**Overall study status** Completed	
Last Edited 13/03/2019	**Condition category** Other	

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

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Additional identifiers

ClinicalTrials.gov (NCT)
NCT01125618

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

Primary study design
Interventional

Study design
Pair-matched community intervention trial

Study type(s)
Other

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(s)

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

Key secondary outcome(s)
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

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

Healthy volunteers allowed
No

Age group
Other

Sex
All

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
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Sponsor information

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

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

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?
Results article	results	09/06/2012	13/03/2019	Yes	No
Participant information sheet	Participant information sheet	11/11/2025	11/11/2025	No	Yes
Study website	Study website	11/11/2025	11/11/2025	No	Yes