HIV/ AIDS Education Program
for the Third Jiangxi Highway Project

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Overview

- Introduction
- Evaluation before and after intervention
- Methodology and activities
- Lessons learnt
Migrant Farming Workers

- **National (year of 2004)**
  - 120-200 million
  - Migrant frequently
  - 15-49 year old
  - Lower education: junior middle schooling
  - Sexually active
  - Lack of health knowledge
  - Unsafe sexual practice
  - Weak social support network, lack of health service, low income...: Shenzhen only 25% traced

- **Nanchang (n=275)**
  - AIDS awareness rate 42.9%; 24.7% commercial sexual practice; 9.5% with STDs history
Introduction

- A component of the 3rd Jiangxi Highway Project
- US$80,000
- April 2007 to April 2009
  - phase 1 (April 2007 to March 2008)
  - and phase 2
- About 20,000 migrant construction workers involved
Social demographic information of sampled migrant workers

- 1038: 952 male (92%), 86 female (8%)
- Age: between 12~67, average about 35 years old, and 15~45 years old accounted for 90%;
- Non Jiangxi residents: 717 (69%), Jiangxi residents 321 (31%);
- Marital status: unmarried 143(14%), married 888 (86%);
- Education: illiterate 4(0.4%), primary school 100(10%), junior school 346(33%), senior school 362(35%), tertiary education 226(22%).
Objectives

- To increase HIV/AIDS awareness and reduce high risk behavior among
  - construction personnel
    - knowledge awareness: increased from 72% to 75%
    - condom use (with non-marital partners): increased from 45% to 70%
  - local villagers
    - knowledge awareness: increased from 73% to 75%
    - condom use (with non-marital partners): increased from 48% to 70%.

- To explore effective measures and modules that can be replicable.
Before and After Intervention—Construction Workers

- Proportionate sampling method
- 1108 of 5739 construction workers before intervention
- 1038 of them followed after intervention (78%)
Before and After Intervention—Construction Workers

- **Knowledge**
  - Average HIV knowledge awareness: 72% VS 85%, ($X^2=576.333, P=0.000$);
  - Awareness of HIV transmission mode: 53% (584/1098) VS 75% (772/1035) ($X^2=105.378, P=0.000$);
  - Awareness of HIV non-transmission: 32% (353/1099) VS 67% (695/1035), ($X^2=261.706, P=0.000$)
  - Preventable: 90% (995/1103) VS 84% (871/1035), ($X^2=17.625, P=0.000$)
  - Not Curable: 58% (644/1104) VS 71% (731/1035), ($X^2=35.169, P=0.000$)
Before and After Intervention—Construction Workers

- **Attitude**
  - unwilling to contact with HIV positives: 45% (493/1104) VS 28% (293/1035), \(X^2=61.412, P=0.000\)
  - positive students could not attend the school: 18% (202/1103) VS 16% (167/1035), \(X^2=1.774, P=0.183\)
Before and After Intervention - Construction Workers

- Behavior
  - Sexual intercourse with non marital partners in the last three months: 11% (125/1175) VS 13%(134/1037), \( (X^2=2.779, P=0.096) \).
  - Mostly commercial sex workers.
  - Condom use each commercial sexual intercourse: 77% (95/124) VS 93%(125/134), \( (X^2=14.251, P=0.000) \).
  - Condom use last sexual intercourse: 45% (37/83) VS 77%(89/116), \( (X^2=21.525, P=0.000) \).
Before and After Intervention - Villagers

- Proportionate sampling method
- 744 (746) villagers before intervention
- 325 (744, 44%) villagers followed after intervention
Before and After Intervention - Villagers

Knowledge

- Average HIV knowledge awareness: **73% VS 86%**, $(X^2=23.207, P=0.000)$
- Awareness of HIV transmission mode: 52% $(347/670)$ VS 66% $(212/320)$, $(X^2=18.418, P=0.000)$
- Awareness of HIV non-transmission: 21% $(142/673)$ VS 56% $(182/324)$, $(X^2=122.644, P=0.000)$
- Preventable: 93% $(628/676)$ VS 81% $(263/323)$, $(X^2=29.856, P=0.000)$
- Not Curable: 59% $(402/676)$ VS 71% $(229/324)$, $(X^2=11.824, P=0.001)$
Before and After Intervention - Villagers

- **Attitude**
  - unwilling to contact with HIV positives: \(39\%\) \((266/677)\) VS \(26\%\) \((84/324)\), \((X^2=17.231, \ P=0.000)\)
  - positive students could not attend the school: \(20\%\) \((134/661)\) VS \(13\%\) \((42/324)\), \((X^2=7.916, \ P=0.005)\)
Before and After Intervention - Villagers

- Behavior
  - Sexual intercourse with non marital partners in the last three months: 4% (29/730) VS 4% (13/325) ($X^2=0.000$, $P=0.983$).
  - Mostly commercial sex workers.
Conclusion

- **Positive outcomes**
  - AIDS awareness
  - Discrimination
  - Behavior

- **Negative outcomes**
  - Preventable/curable: lower, over-emphasized the negative side effects of AIDS, horrifying,
  - Sex with non-marital partners in the last three months: similar
  - Villagers Condom use in sex intercourse with non-marital partners in last three months and last sex intercourse: no statistical significance

- Strategy must be adaptable
- Behavior change takes long time
Intervention coverage

Construction workers: 99% (1029/1037)
- CDC and construction units
- From 1 to 23 times, average 3 times.

Villagers: 97% (314/325)
- CDC
- From 1 to 4 times, average 2 times
Methodology and Activities

- Clarify working principles
- Organizational structure set up
- Institutional strengthening
- Capacity building
- Scientific, realistic implementation
- Measurement and evaluation
Working Principles

- Combine with national and local HIV/AIDS prevention and control work.
- Coordinate with construction progress.
- Voluntary, confidential, and fair.
Organizational Structure

- leading and coordinating network
  - Jiangxi CDC and World Bank Loan Project
    Office of Jiangxi Provincial Communications Department
  - Ganzhou CDC, six program counties (districts) CDC, and Ruigan Highway Project
    construction enterprises/units
Financial Management

- Financial Management Guidelines for HIV/AIDS Education Program for the Third Jiangxi Highway Project developed
Institutional strengthening for program involved units

- Training on program management and skills provided to the professionals from provincial, city, and county level CDC.
- Training on HIV/AIDS prevention and treatment provided to staffs from Ruigan highway management and construction units.
- Community supported environment established.
Institutional strengthening
for the provincial communication department

- Jiangxi Provincial Department of Communication
  member of Jiangxi AIDS Prevention and Control
  Coordinating Committee

- Provincial Communication Department AIDS
  Prevention and Control Plan (2007-2010) issued
Capacity building

- Regular program meeting and seminar
- Baseline survey training workshop
- Baseline survey summing-up meeting
- Intervention skill training workshop
- Summing-up meeting on mid-term progress of the first phase intervention
Measurement and evaluation

- Pilot study
- field baseline survey
- First phase monitor and evaluation survey
- First phase Workshop and Review
Pilot study — visited World Bank Loan Project Office of Jiangxi Provincial Communications Department
regular program meeting and seminar
Baseline survey—Questionnaire interview on construction personnel
Field intervention

- Publicity poster
- Develop and distribute pamphlet, poker, plastic cup and VCD
- Condom delivery
- HIV/AIDS related lectures for the target populations
- VCT service on working sites and residential streets
Field intervention—Posters pasted outside of the World Bank Loan Project Office of Jiangxi Provincial Communications Department
Field intervention—poster outside residential house
Field intervention—Staff distributing pamphlets/cups to construction workers
Field intervention—ETDZ CDC lecturing construction personnel
Field intervention—staff providing VCT services to construction personnel
Field intervention—Staff distributing pamphlet/poker to villagers
世界银行贷款江西三号公路
预防艾滋病宣传教育项目

一、项目背景
江西省瑞金正在建设的一条公路（以下简称“三号公路”），连接瑞金市和宁都县。该条公路是江西高速公路网的重要组成部分，对于促进当地经济和社会发展具有重要作用。瑞金市是中国革命的摇篮，也是中国历史文化名城，拥有丰富的红色旅游资源。

二、项目实施
项目实施时间从2007年1月开始，计划于2008年底竣工。项目实施单位为瑞金市交通局，项目总投资约为3亿元。

三、项目进展
截至2007年10月，项目进展顺利。项目实施单位瑞金市交通局表示，项目将在2008年底竣工。
summing-up meeting on mid-term progress of phase 1 intervention
phase 1 M&E workshop
phase 1 experience-sharing workshop
Lessons Learned

- Cooperation
- Harmonization
- Tolerance
- Diversity
Thank you