

Phase-4

Orange Farm study

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BMGF
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Does MC works in the real world ?

Methods

- To offer free and safe MC in the OF community

(200 000 people: → 40 000 MC in 2 years: 60 per day)

- To monitor the community

Expected results of the study (1/2) ?

1 Implementation strategy?

Communication, information

Community meeting, home visits,
Radio, motorised loud speakers
plane

Surgery (MC center: speed and quality)

Process for candidates (speed and quality)

Information, consent, counseling

VCT, Surgery, FU

Traditional circumcisers

Local GPs

Cost of the implementation



Vidéo

Procedure
Room 3





MANANA
 Nhlanhla nhlapo
 15442-X9 phosi
 01-01-87
 Phosthato - Tshelo
 11-06-2008

W: Candidate First survey-6
 Recruitment to the classroom-10
 Emergency number: 082 415 6945 Please send a "please-call-me"
 First name: NYLANHLA
 Surname: NYLANHLA
 Bar code: NYLANHLA
 Appointment for MC: 01/06/08 W: 10
 SI-Appointment for FU: 01/06/08 C

ID number: [blank]
 Photo: [blank]
 Language: Sesotho Setswana IsiXhosa IsiZulu English
 Date: 01/06/08
 GPS S: [blank]
 Tel: [blank]
 Birth (age): 01/06/87 W: 10
 Candidate form #: [blank]
 Barcode: [blank]

Info: Stamp if received
 Cons & Couns: Date: [blank]
 Stamp if passed
 SI-MC date: / /08
 S2-FU date: / /08
 SI-MC Yes/No: [blank]

W: Candidate First survey-6
 Recruitment to the classroom-10
 Emergency number: 082 415 6945 Please send a "please-call-me"
 First name: SELLO
 Surname: MCFOKENG
 Bar code: MCFOKENG
 Appointment for MC: 11/06/08 W: 10
 SI-Appointment for FU: 11/06/08 C

ID number: [blank]
 Photo: [blank]
 Language: Sesotho Setswana IsiXhosa IsiZulu English
 Date: 11/06/08
 GPS S: [blank]
 Tel: [blank]
 Birth (age): 20/06/72 (15) W: 10
 Candidate form #: [blank]
 Barcode: [blank]

Info: Stamp if received
 Cons & Couns: Date: [blank]
 Stamp if passed
 SI-MC date: / /08
 S2-FU date: / /08
 SI-MC Yes/No: [blank]

VCT: Checked if offered Yes
 Initials of the counsellor: [blank]
 Signature and stamp: [blank]

11/06/2008
 SELLO MCFOKENG
 11/06/08
 11/06/1972

Photo: [blank]
 Language: [blank]
 Date: / /08
 GPS S: [blank]
 Tel: [blank]
 Birth (age): [blank]
 Info: Stamp if received
 Cons & Couns: Date: [blank]
 Stamp if passed
 SI-MC date: / /08
 S2-FU date: / /08
 SI-MC Yes/No: [blank]





Expected results of the study (2/2) ?

2 **Uptake**: 15% →?

3 **Effect on KAB regarding MC**
men and women

4 **Effect on HIV prevalence**
men and women

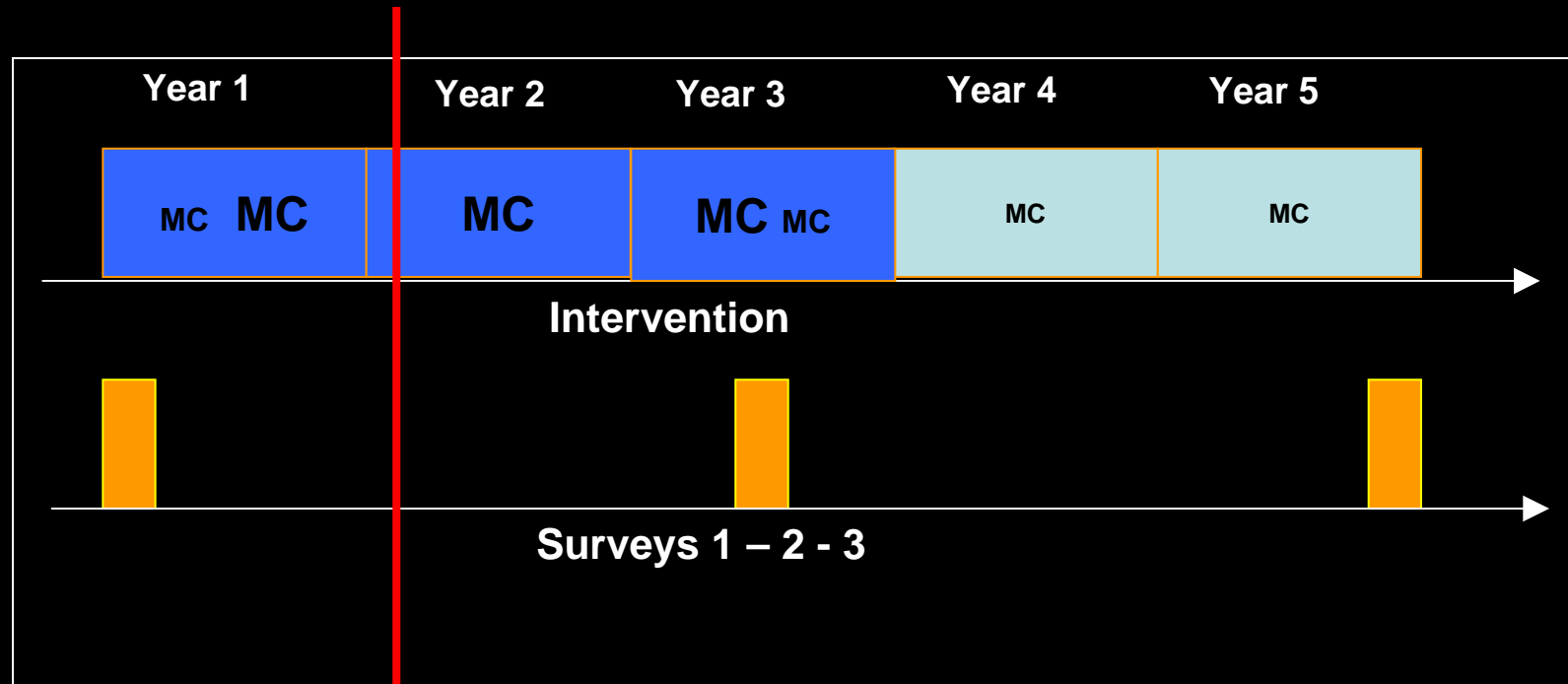
5 **Impact on sexual behavior** (community level)

6 Impact on **VCT**?

ANRS-12126 Study

Baseline survey in September-March 2008

Delivery of the intervention: begin in January 08



8 October 2008

Cross sectional study

Organization

2000 men and women (random sample) aged 15-49 years

Questionnaire

Background

KAP regarding MC

Sexual behavior

Reported MC status of partners

Genital examination of men

Biological samples (blood and urine)

Analysis

Uptake of MC

KAP regarding MC

Sexual behavior (MC or MC of partners)

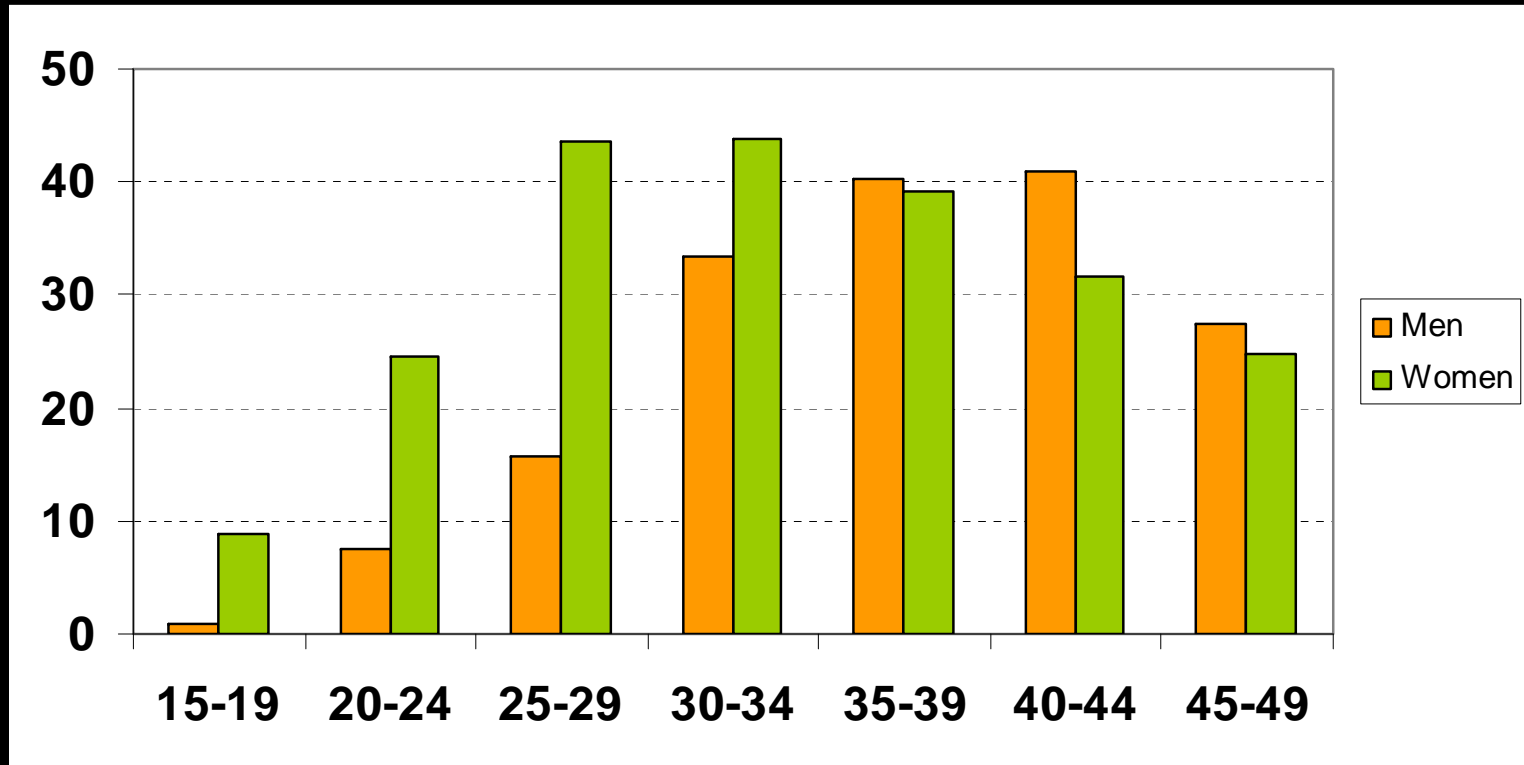
Men: HIV (by MC, by age, by date of MC,...)

Women: HIV (by MC of partners, by recently circumcised...)

Some results of the baseline survey:...

Response rate=73%

HIV prevalence



Age group

Men: 11.8 % (highest=41 %)

Women: 27.2 % (highest=44 %)

Circumcision status

Men “circumcised” (men who said they are circumcised):

27.8% 333/1197 (25.3% – 30.5%)

Men without a foreskin

15.5% 186/1197 (13.3% – 17.7%)

Men with an intact foreskin among “circumcised”

45.0% 150/333 (50.6% – 39.6%)

Sothos **59.5%** Xhosa **41.8%** Zulus **38.6%** Others **26.4%**

Men with a foreskin among “uncircumcised”

99.6% 861/864 (99.0% – 99.9%)



Knowledge & attitudes

Going to be circumcised in the future? (Among “uncircumcised”)

Yes, definitely

67.5%

Maybe

14.1 %

Unlikely

2.0 %

Definitely not

16.4 %

→ Uptake cannot be > 84% ?

Where will you go? (Among “uncircumcised”)

GPs or hospitals

92.6%

Traditional circumciser

6.9 %

Other

0.6%

→ The culture is changing

→ Facilitate uptake

Knowledge & attitudes

| | <i>Men</i> | <i>Women</i> |
|---|--------------|--------------|
| Circumcised men do not need to use condoms | | |
| <i>Agree</i> | 5.1% | 6.2% |
| <i>Disagree</i> | <u>90.0%</u> | <u>81.7%</u> |
| <i>Don't know</i> | 5.0% | 12.1% |

| | | |
|---|--------------|--------------|
| Circumcised men can become infected with HIV | | |
| <i>Agree</i> | <u>92.6%</u> | <u>89.1%</u> |
| <i>Disagree</i> | 3.1% | 3.3% |
| <i>Don't know</i> | 4.4% | 7.7% |

| | | |
|--|--------------|--------------|
| Circumcision protects fully against HIV | | |
| <i>Agree</i> | <u>17.5%</u> | <u>15.9%</u> |
| <i>Disagree</i> | 63.3% | 59.4% |
| <i>Don't know</i> | 19.3% | 24.7% |

Uptake

Among “Uncircumcised”:

If MC was done by a doctor and free of charge would you be willing to become circumcised?

82.1%

709/864

Among those willing to become circumcised:

Went for circumcision:

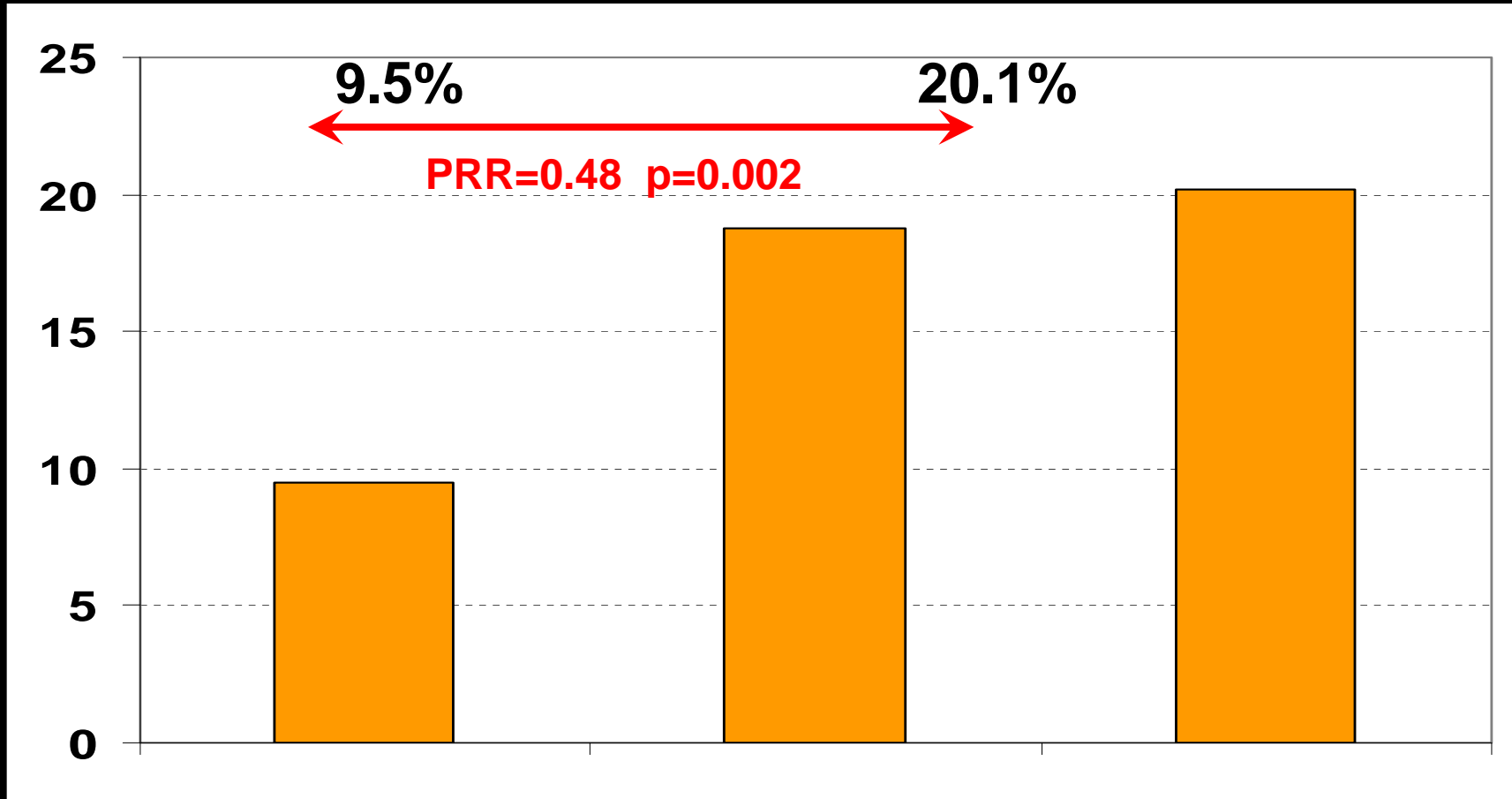
72.1%

511/709

Among “Uncircumcised”:

Uptake 59.1% (55.8 – 62.4%) 511/864

HIV (%) and circumcision status



"Circumcised" without foreskin "Circumcised" with foreskin Uncircumcised

OR=0.42 p=0.002 & aOR=0.43 p=0.007 (age, ethnic group, marital status, LNP)