

Innovations to Promote Adherence in The Ring Study

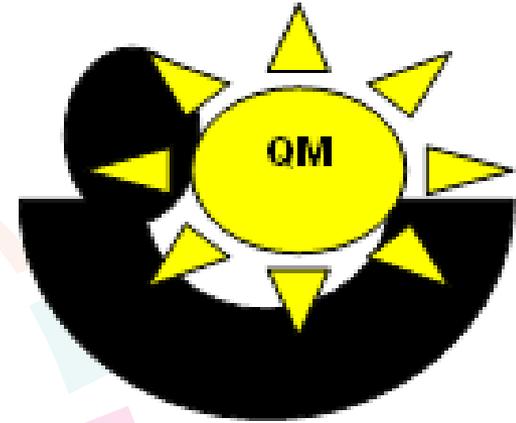
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Qhakaza Mbokodo Research Clinic, Co-Investigator

ASPIRE / The Ring Study Protocol Team Meeting
The Westin Hotel, 28 October 2013



QHAKAZA MBOKODO RESEARCH CLINIC



Definition of “Adherence”

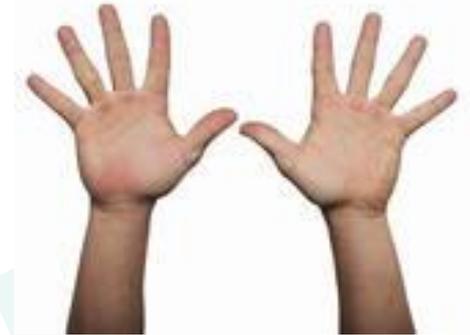
“The extent to which a person’s behaviour corresponds with agreed recommendations from a health care provider.”

(Rand CS. Measuring adherence with therapy for chronic diseases, American Journal of Cardiology, 1993)

Adherence is more than “simply remembering medications, but rather, a complex issue involving social, cultural, economic, and personal factors”.

(Chesney, 2006)

Hands up!



5 interacting dimensions affecting adherence:

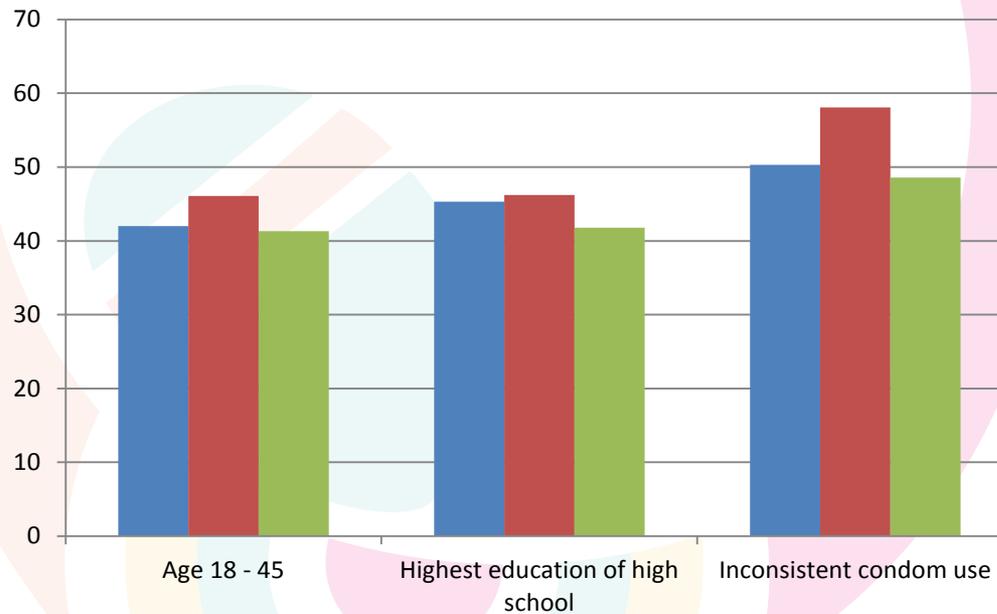


(Adherence to Long-term Therapies: Evidence for Action, WHO, 2003)

1. Condition – related Factors

HIV prevalence in Ladysmith in 2012 was 42%

HIV Prevalence per Characteristic

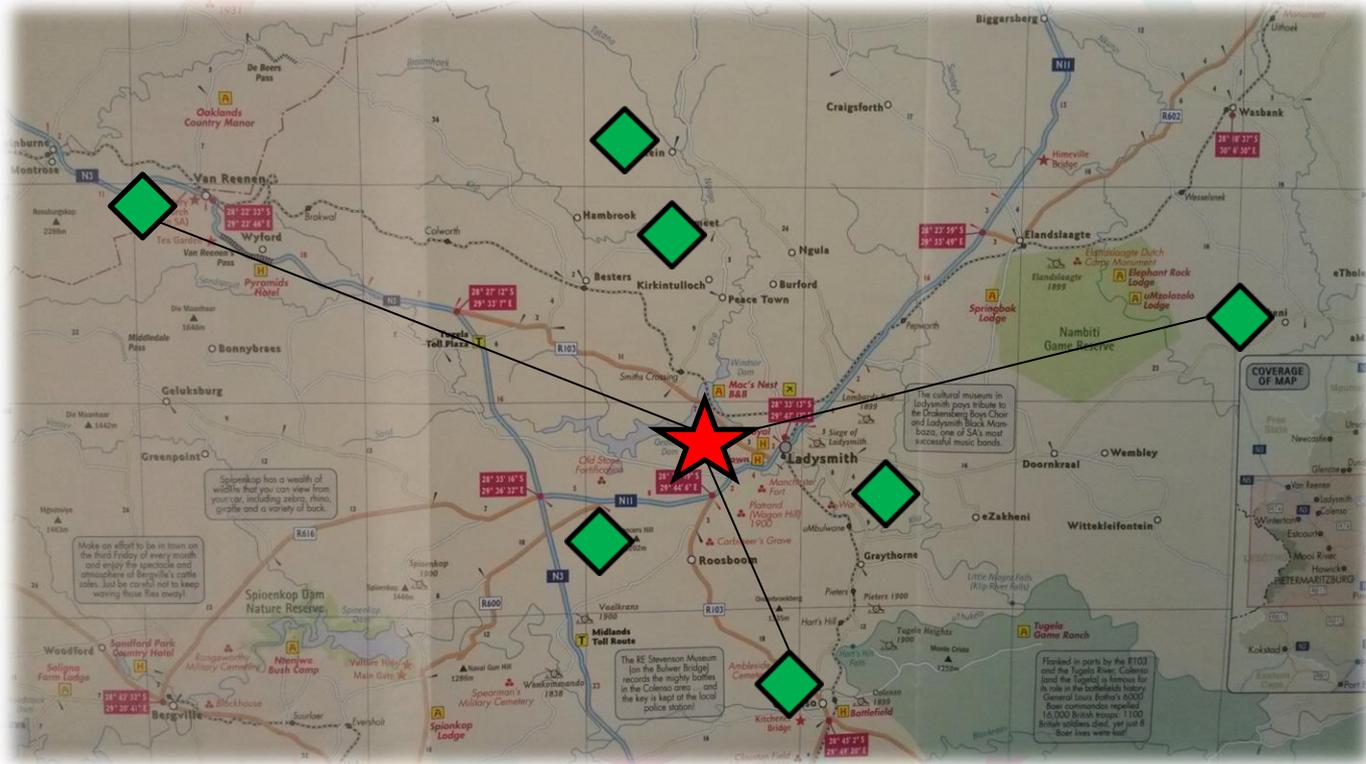


Nel A, Mabude Z, Smit J, Kotze P, Arbuckle D, et al. (2012)

HIV Incidence Remains High in KwaZulu-Natal, South Africa: Evidence from Three Districts. PLoS ONE 7(4): e35278. doi:10.1371/journal.pone.0035278

2. Socio-Economic Factors

Wide geographical distribution of participants



ACTION: We arrange early transport for participants

2. Socio-Economic continued

Highly migratory population due to seasonal work, unemployment and family/cultural reasons

ACTION: Visit family at home to gain acceptance and support as well as to motivate community involvement



3. Participant-related Factors

EDUCATE:

- Adherence begins before enrolment
- The same message is discussed from transport to consultation and back again to the community
- Files of participants requiring additional attention are flagged



3. Participant-related factors continued

MOTIVATE:

- “Ubuntu” volunteer meetings are kept intimate and informative yet fun.
- Issues raised are immediately addressed by the investigator or site coordinator



3. Participant-related Factors continue

COMMUNICATE:

- Ethics approval for sms communication

“Although half the 50 million people in South Africa live below the poverty line, more than 75% among those in low-income groups who are 15 years or older own a mobile phone.”

FinWeek, January 22, 2013 by [Liesl Peyper](#)

- Community gossip also still alerts us to any potentially harmful rumours which are addressed as soon as possible



4. System-related Factors

ENVIRONMENT:

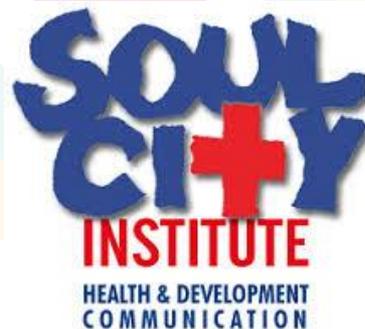
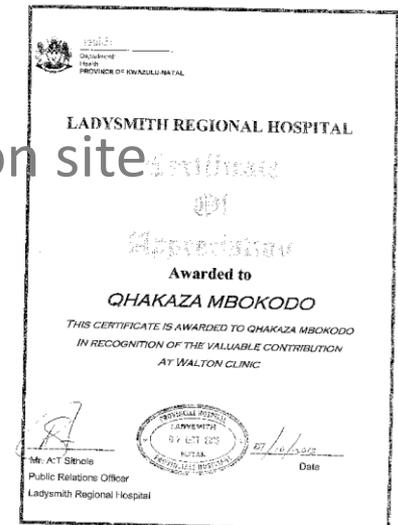
- Improved the waiting room
- Waiting times improved

STAFF DEVELOPMENT:

- Effective staff meetings
- **GPS** to give direction and inspire QM staff
- **Toolbox** fine tunes the day-to-day functioning on site
- On-going training

TECHNOLOGY:

- Retention Viewer



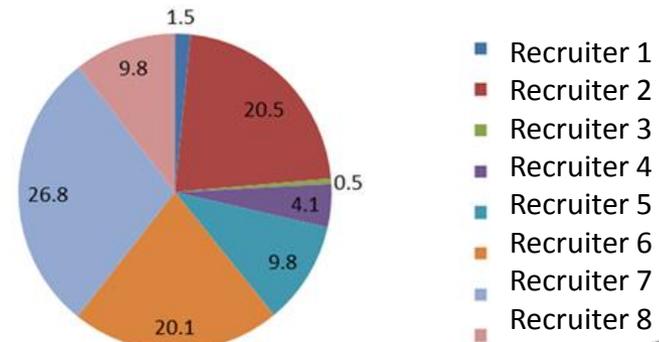
4. System-related Factors continued

TECHNOLOGY:

- Spread sheets, as used by other IPM sites, are a resource which enables an overview of retention at any given time
- Retention viewer at QM:
 - Is updated daily with IXRS printout from pharmacist
 - Visual reminder of potential late/missed visits
 - Each participant's recruiter and area is easily accessible
 - Tracking of screenings

	Week 48	Week 52	Week 56	Week 60	Week 64				
13/05/20	2013/06/18	2013/06/18	2013/07/16	2013/08/13	2013/09/10	2013/09/10	2013/10/08	2013/10/01	2013/10/01
13/05/31	2013/06/25	2013/06/27	2013/07/23	2013/08/20	2013/08/16	2013/09/17	2013/09/17	2013/10/15	2013/10/08
13/05/24	2013/06/26	2013/06/20	2013/07/24	2013/07/18	2013/08/21	2013/08/16	2013/09/18	2013/10/16	2013/10/16
13/05/31	2013/07/04	2013/06/28	2013/08/01	2013/07/29	2013/08/29	2013/09/02	2013/09/26	2013/10/09	2013/10/24
13/05/28	2013/06/28	2013/06/24	2013/07/26	2013/08/01	2013/08/23	2013/08/23	2013/09/20	2013/09/18	2013/10/18
13/06/04	2013/07/02	2013/07/02	2013/07/30	2013/07/30	2013/08/27	2013/08/27	2013/09/24	2013/09/23	2013/10/22
13/06/07	2013/07/02	2013/07/05	2013/07/30	2013/08/02	2013/08/27	2013/08/30	2013/08/24	2013/09/27	2013/10/22
13/05/31	2013/06/28	2013/06/28	2013/07/26	2013/07/26	2013/08/23	2013/08/23	2013/09/20	2013/09/20	2013/10/18
13/06/06	2013/07/04	2013/07/24	2013/08/01	2013/08/08	2013/08/29	2013/09/09	2013/09/26	2013/10/04	2013/10/24
13/06/13	2013/06/26	2013/07/04	2013/07/24	2013/07/24	2013/08/21	2013/08/14	2013/09/18	2013/09/18	2013/10/16
13/05/24	2013/06/21	2013/06/21	2013/07/19	2013/07/23	2013/08/16	2013/08/16	2013/09/13	2013/09/10	2013/10/11
13/06/05	2013/07/02	2013/06/28	2013/07/30	2013/07/26	2013/08/27	2013/08/23	2013/09/24	2013/10/03	2013/10/22
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13/06/07	2013/07/03	2013/07/12	2013/07/31	2013/08/08	2013/08/28	2013/08/30	2013/09/25	2013/09/27	2013/10/23
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13/06/04	2013/07/02	2013/07/04	2013/07/30	2013/08/02	2013/08/27	2013/08/26	2013/09/23	2013/09/16	2013/10/22
13/06/10	2013/07/12	2013/07/12	2013/08/09	2013/08/08	2013/09/06	2013/09/04	2013/10/04	2013/10/03	2013/11/01
2013/06/03	2013/07/02	2013/07/01	2013/07/30	2013/07/30	2013/08/27	2013/08/27	2013/09/24	2013/10/01	2013/10/22
2013/06/19	2013/07/09	2013/07/12	2013/08/06	2013/08/14	2013/09/03	2013/09/05	2013/10/01	2013/09/30	2013/10/29
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2013/06/13	2013/07/08	2013/07/10	2013/08/05	2013/08/08	2013/09/02	2013/09/06	2013/09/30	2013/09/25	2013/10/28
2013/07/08	2013/07/08	2013/07/08	2013/08/05	2013/08/05	2013/09/02	2013/09/03	2013/09/30	2013/09/27	2013/10/28

Enrolments per Recruiter



5. Product – related factors

GOOD PRODUCT:

- Multiple phase I and I/II clinical trials support the favourable safety profile and tolerability of dapivirine in general and specifically in vaginal delivery formulations.
- Not dependant on sexual act
- But it is dependant on use by the participant

ACTION: We inspect all returned rings, with the participant, which is helpful in initiating adherence and male partner involvement discussions on follow-up

Thumbs up to Adherence

