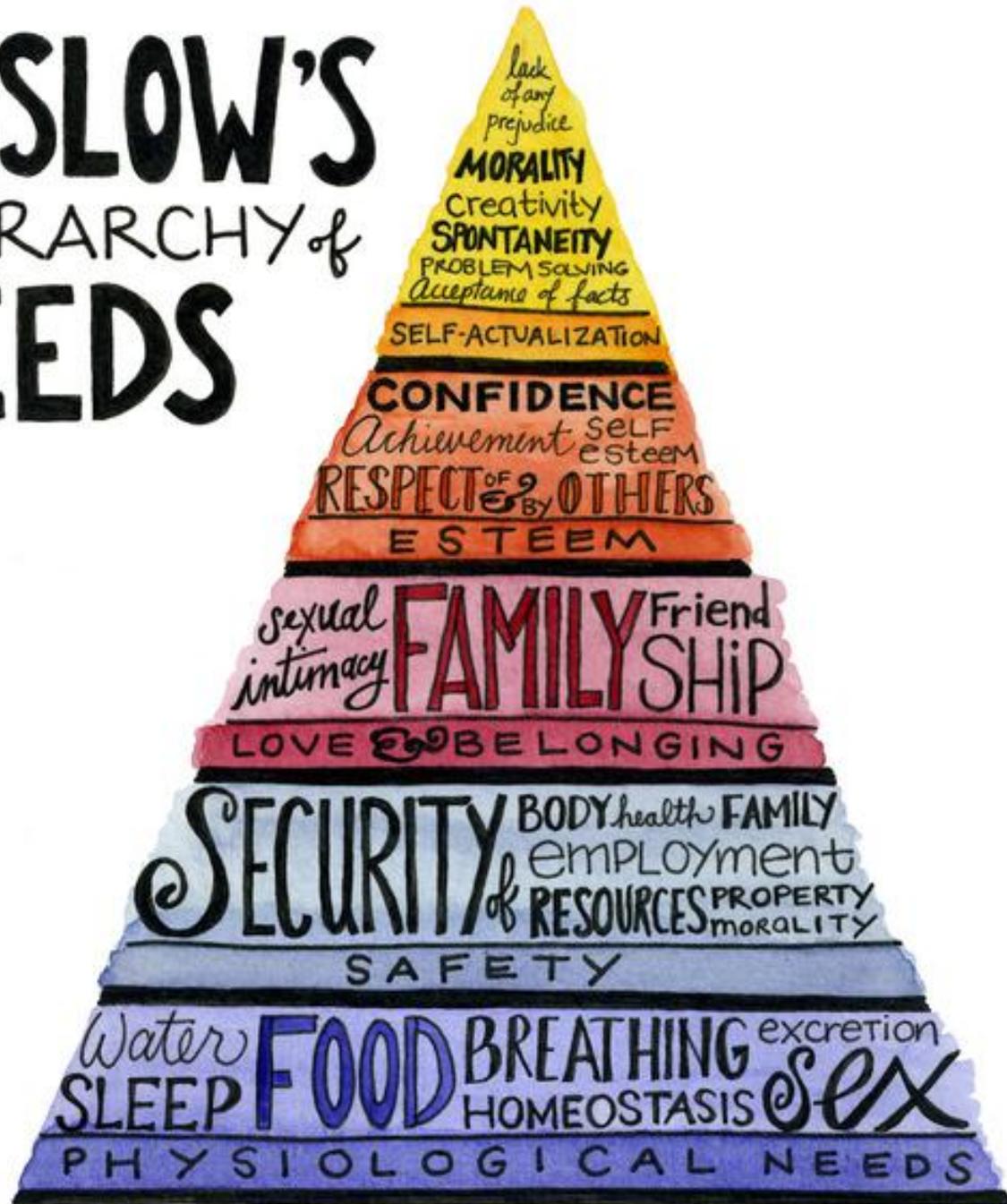


CASH + CARE THE EVIDENCE



L Cluver, L Sherr, M Orkin and the Mzantsi Wakho, Young Carers and Sinovuyo Teen teams.

MASLOW'S HEIRARCHY of NEEDS





Based on
Farrington 2012

CASH + CARE?



Child-focused grant



Free school meals



Free school



Positive parenting



Parental monitoring



Teacher support

Cluver, Orkin, Boyes, Sherr (2014). *AIDS*.

CASH + CARE + CLINIC + CLASSROOM?



Child-focused grant



Free school meals



Respectful clinic staff



Free school



Positive parenting



Transport money for clinic



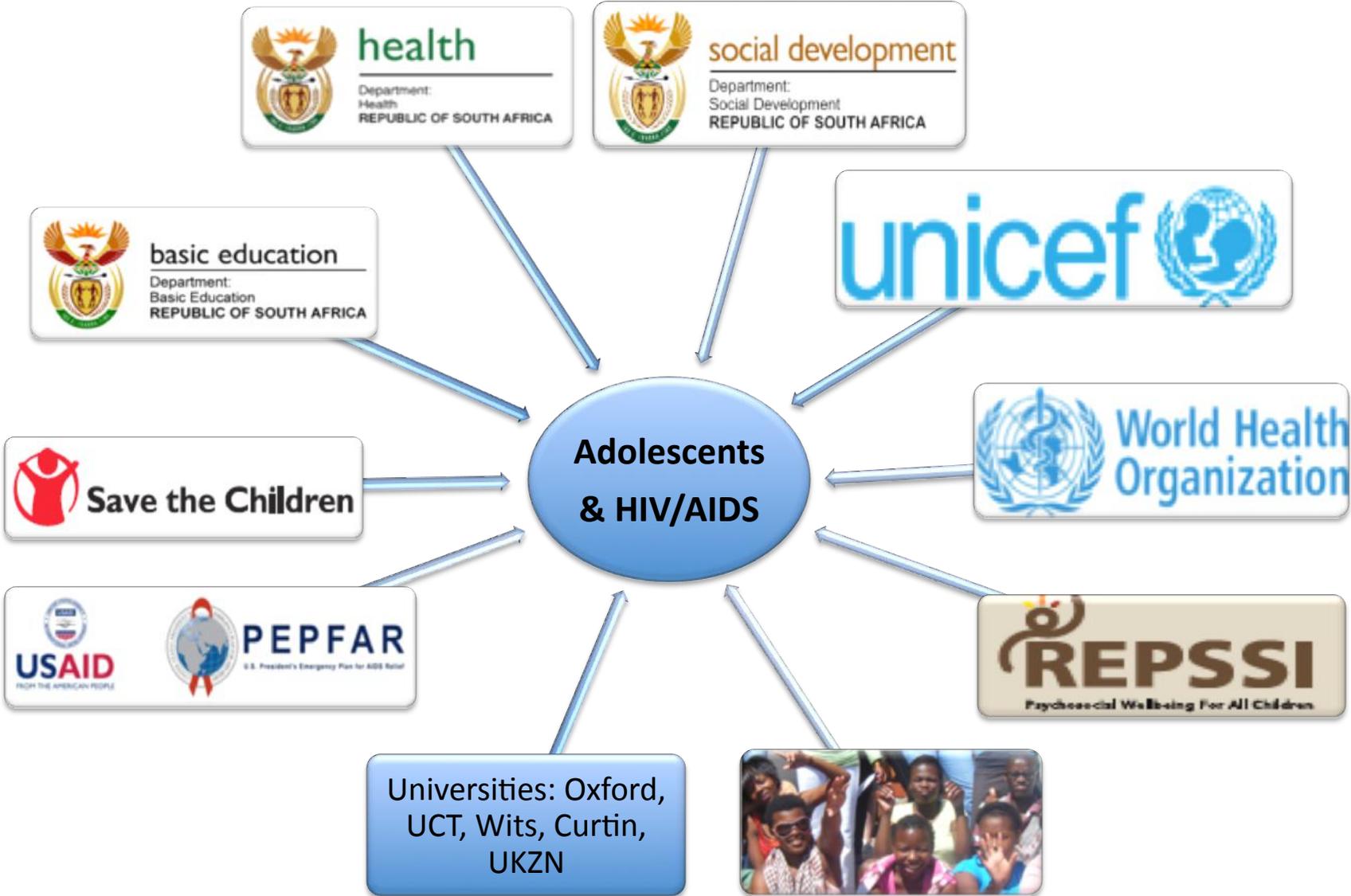
Parental monitoring



Teacher support

Cluver, Orkin, Boyes, Sherr (2014). *AIDS*.

POLICY AND RESEARCH WORKING TOGETHER



POVERTY, HIV AND ADOLESCENTS: 4 STUDIES



1. First longitudinal study of AIDS-orphanhood in LMIC (n=1050)

2. World's largest study of adolescents in AIDS-affected families (n=8500, longitudinal)



3. World's largest survey of HIV+ adolescents (n=1059 + 469 controls)

4. Pragmatic cluster RCT of abuse-prevention parenting programme (n=1200, 40 sites)



NATIONAL LONGITUDINAL STUDY OF ADOLESCENTS

6850 adolescents, 2500 adult caregivers, 2008-2012

Longitudinal national survey

- Main study: N=6000 (age: 10-18)
- 3 provinces South Africa; 6 sites >30% prevalence
- Stratified random sampling of census EAs
- Every household with a child aged 10-17
- Urban/rural, 1 year follow-up in 2 provinces
- n=3401, 97% follow-up

Measures

- Standardised scales, national surveys

Ethics

- Approved by Universities of Cape Town,
- Oxford, KwaZulu-Natal,
- 6 Provincial Health & Education Departments
- Social & health service referrals



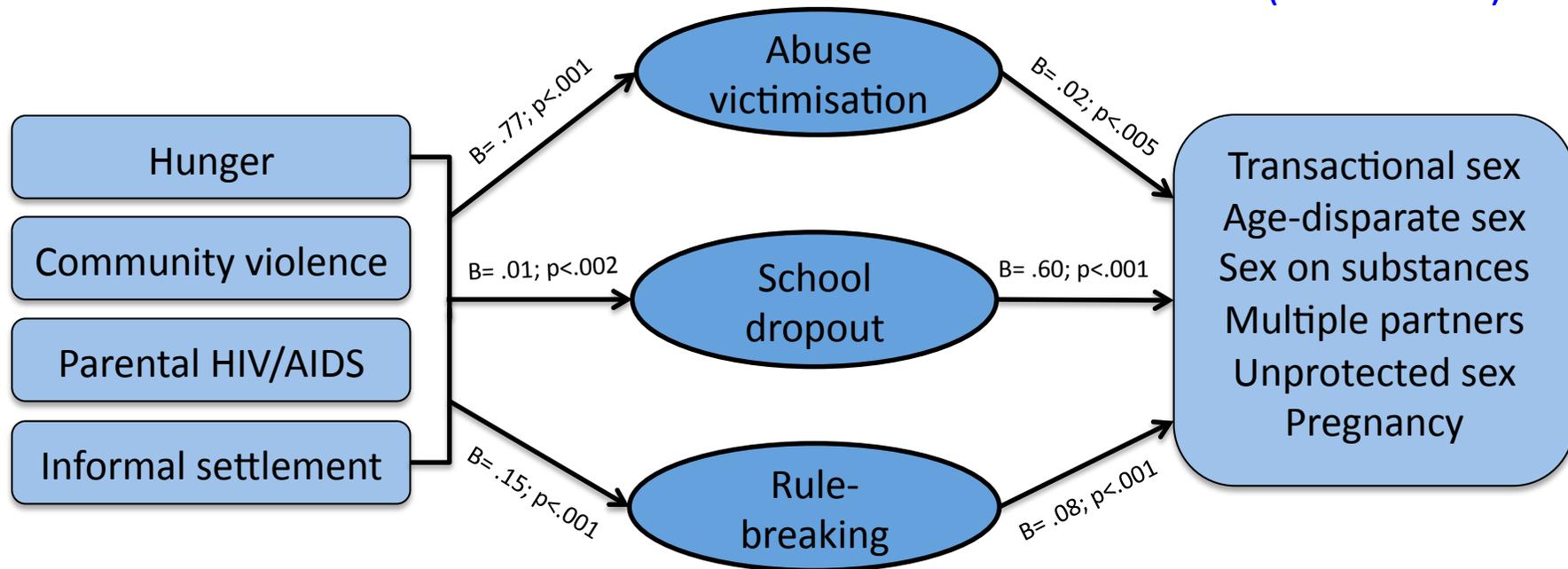
ADOLESCENT GIRLS – WHAT CAUSES HIV-RISKS?

LONGITUDINAL MULTIPLE MEDIATION ANALYSIS (n=3500, RSA)



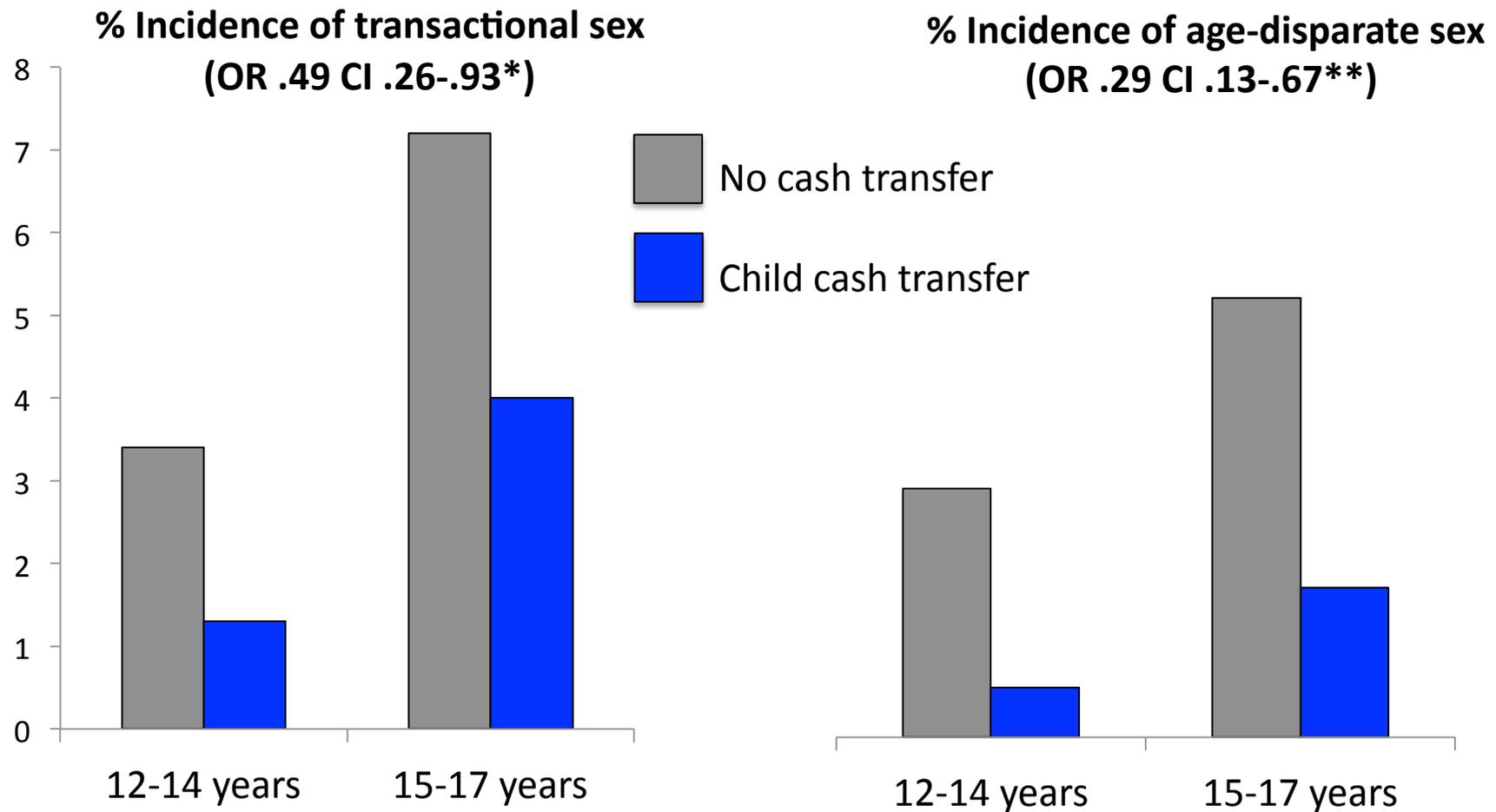
2011
DEPRIVATION

2012 HIV-RISKS
(INCIDENCE)



Controlling for: baseline HIV-risk behavior, adolescent age, HIV-prevention knowledge, urban/rural location, child migration, number of children in the household, female primary caregiver, access to birth certificate.

NATIONAL PROGRAMMING IN SOUTH AFRICA: CHILD GRANT REDUCES INCIDENCE OF *TRANSACTIONAL SEX* AND *AGE-DISPARATE SEX* FOR GIRLS (n=3500, RSA)



Cluver, Boyes, Orkin, Pantelic, Molwena, Sherr (2013). *The Lancet Global Health*.

SPECIFIC COMBINATIONS FOR HIV-PREVENTION

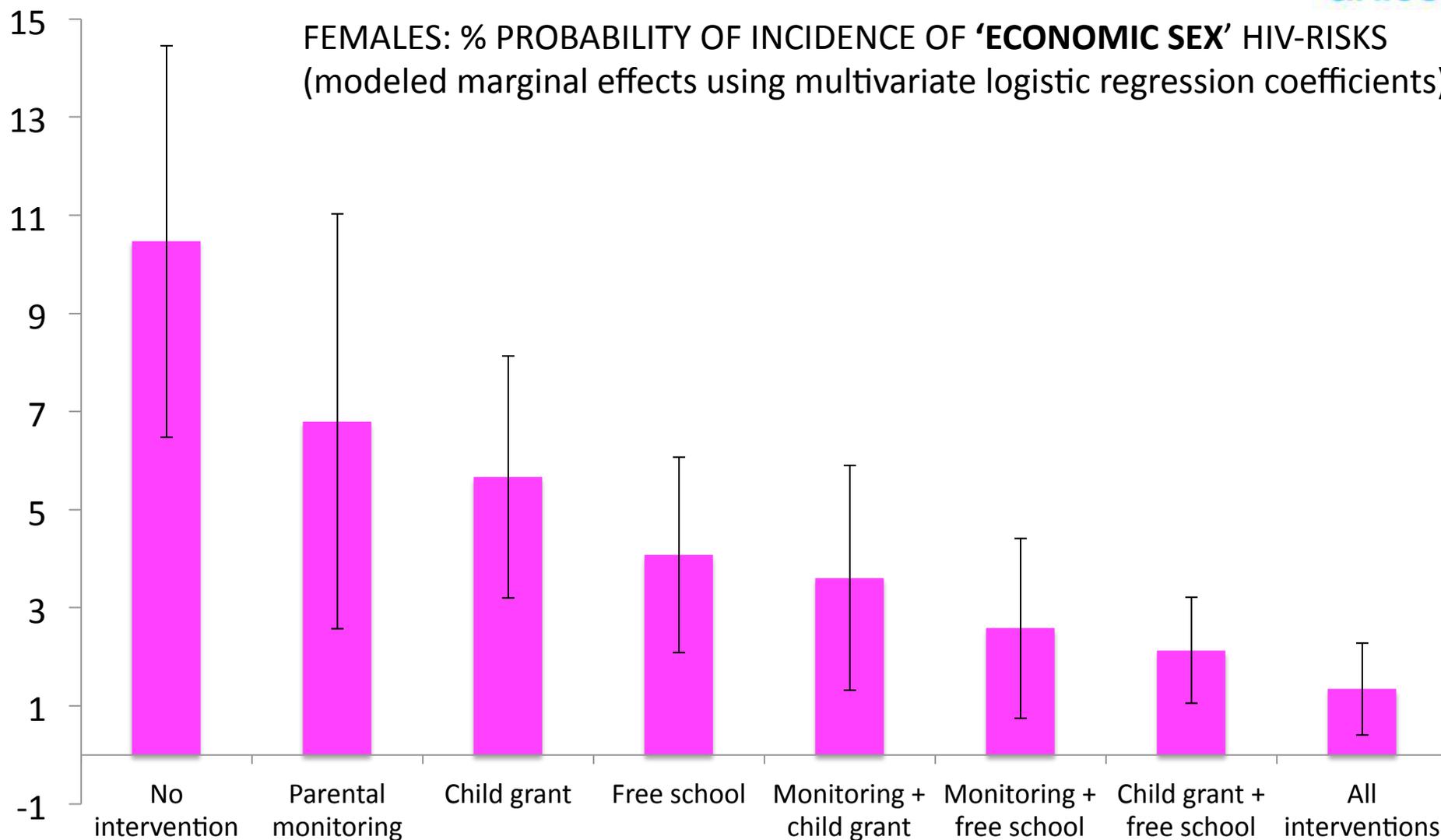
with odds ratios, in multivariate logistic regression



| | | Males | Females | |
|------------------|--------------------------------|---------------------|---------------------|----------------------|
| | | Careless sex | Careless sex | Commodity sex |
| Cash | Child Grants | | | 0.51 |
| Classroom | School feeding | | 0.61 | |
| | Free school & books | 0.64 | | 0.36 |
| Care | Parental monitoring | 0.51 | 0.66 | |
| | Teacher support | 0.46 | | |

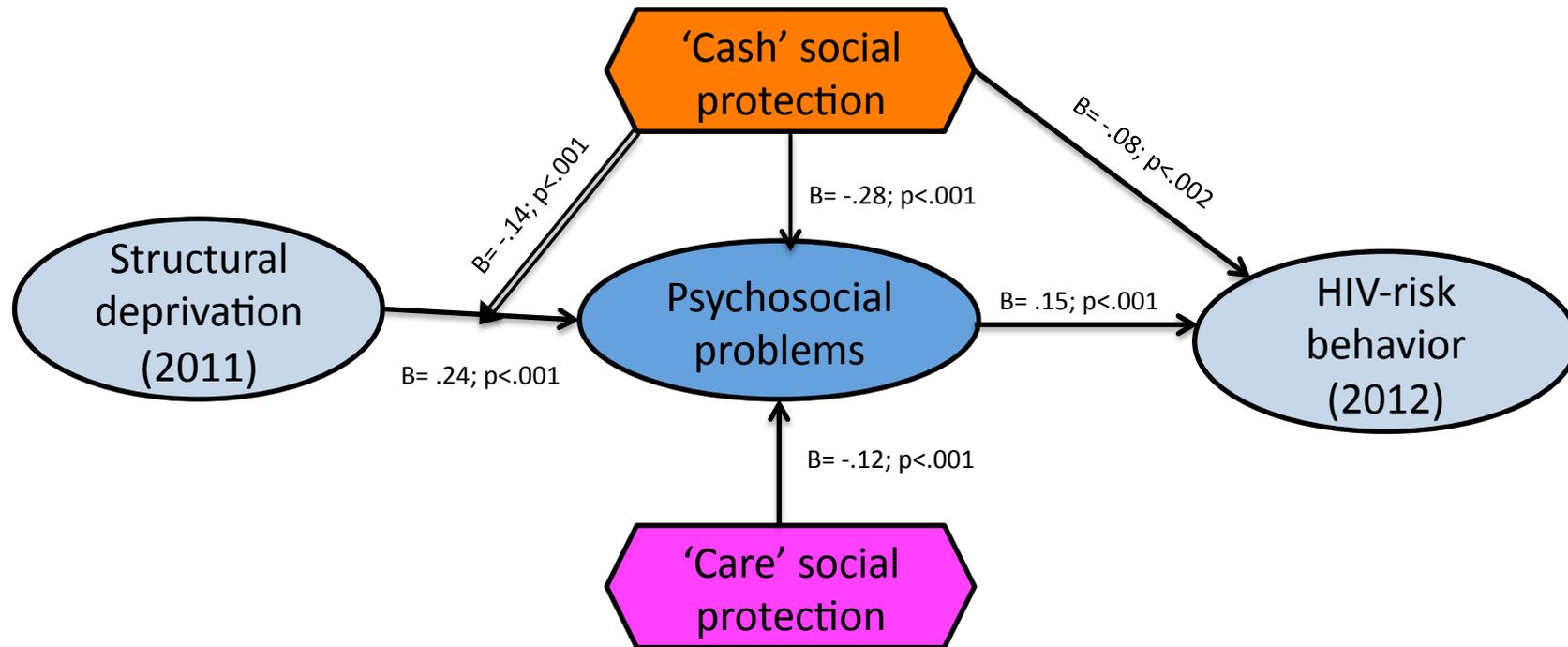
Cluver, Orkin, Meinck, Yakubovich, Sherr (JAIDS 2016)

CASH + CARE: MORE PREVENTION



Cluver, Orkin, Yakubovich, Sherr. JAIDS 2016

HOW DOES CASH + CARE WORK?



Controlling for: baseline HIV-risk behavior, adolescent age, HIV-prevention knowledge, urban/rural location, child migration, no. children in the household, female primary caregiver, birth certificate.

Cluver, Orkin, Meinck,, Boyes, Sherr, L (2016).. Journal of the International AIDS Society (JIAS)

HIV+ ADOLESCENTS: UNDERSTANDING NON-ADHERENCE



Integrated research methods:

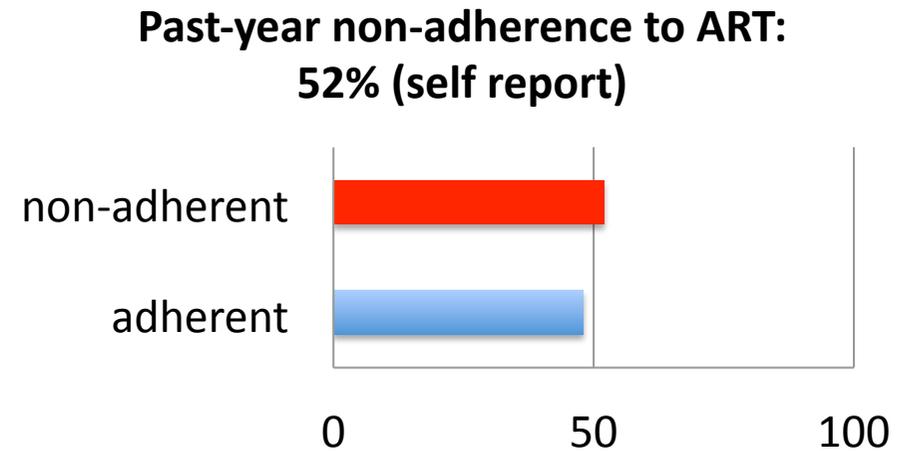
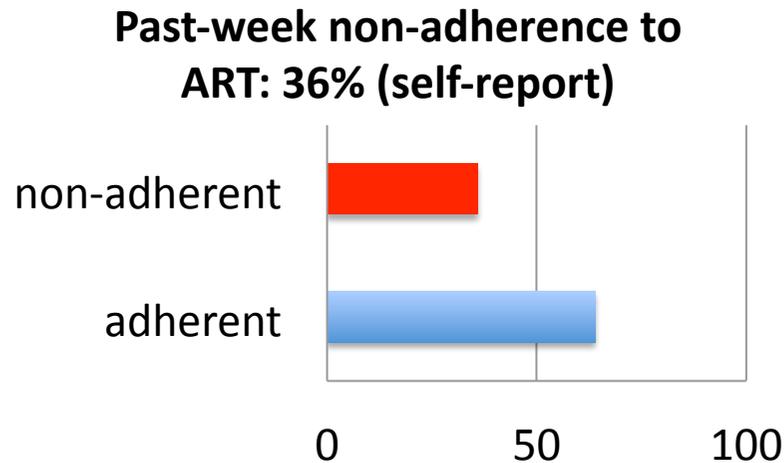
Qualitative research (2013-2018, led by R Hodes UCT)

- In-depth qualitative research with N=**80 youth**, healthcare workers, social service providers, families and loved ones of youth participants
- Open-ended interviews, focus groups, home, school & clinic observations, participatory exercises, dream clinics & consultations, youth summits (1000+hours)

Quantitative longitudinal panel study (2014-2018)

- N=1,526 adolescents, **1060 HIV+**, **467 HIV-**
- Every adolescent who ever initiated ART in an urban/rural health district of the Eastern Cape:
- 53 health facilities, 91% of all adolescents reached
- Community-tracing, 3-year longitudinal tracking
- Clinical and interview data, standardised questionnaires

Non-adherence (n=1059 HIV+ adolescents)



Self-reported past-week non-adherence – validity check

Detectable viral load

OR 1.98 CI 1.1-3.45

Opportunistic infections

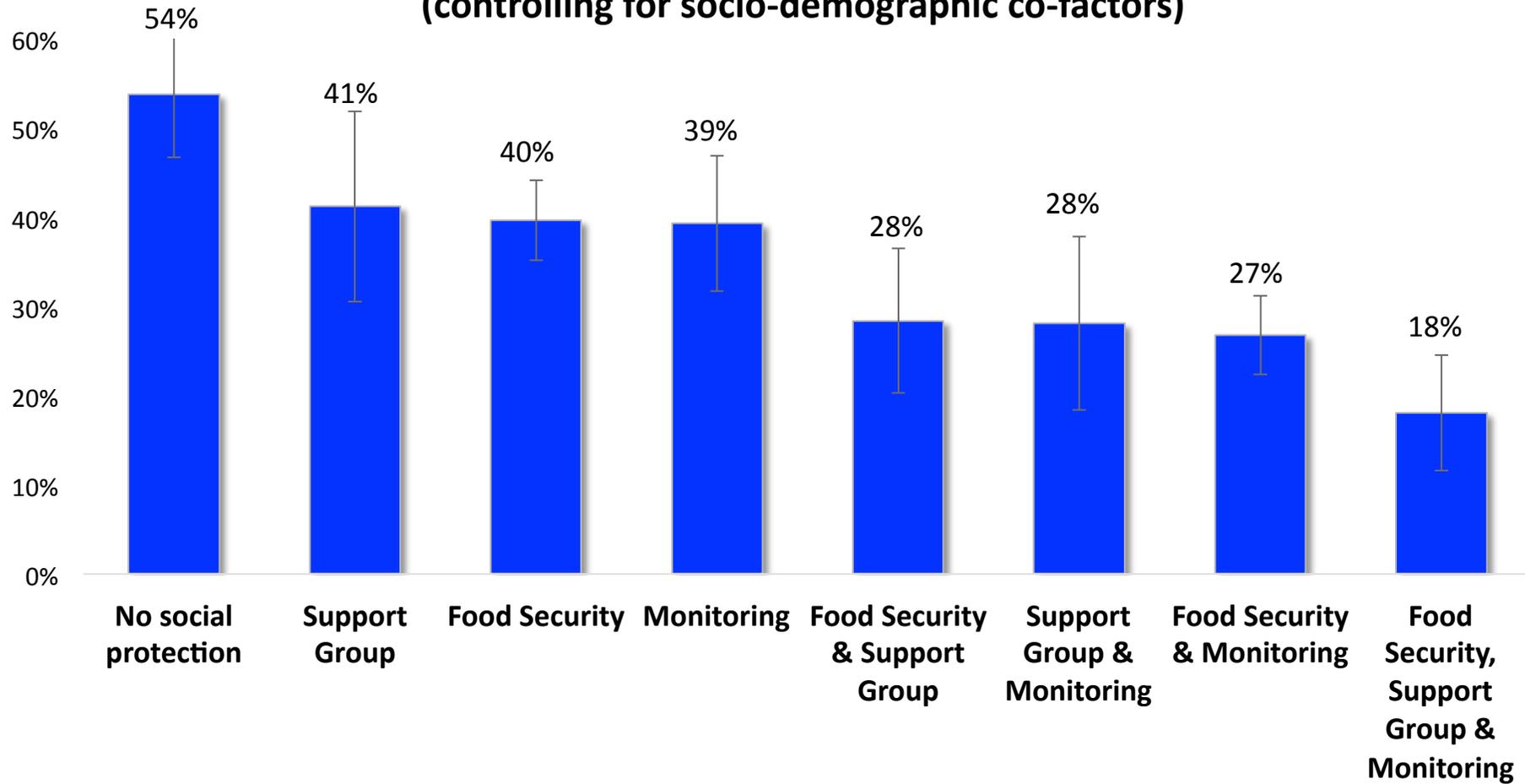
OR 2.26, CI 1.11-4.66, p<.05

Independent of adolescent age, gender, perinatal/horizontal infection, rural/urban location, ethnicity, formal/informal home, maternal orphanhood, paternal orphanhood, general health status, time on treatment, travel time to clinic

CASH + CARE (+ CLINIC): LESS DEFAULTING



Rates of past-week adolescent ART non-adherence, by social protection (controlling for socio-demographic co-factors)

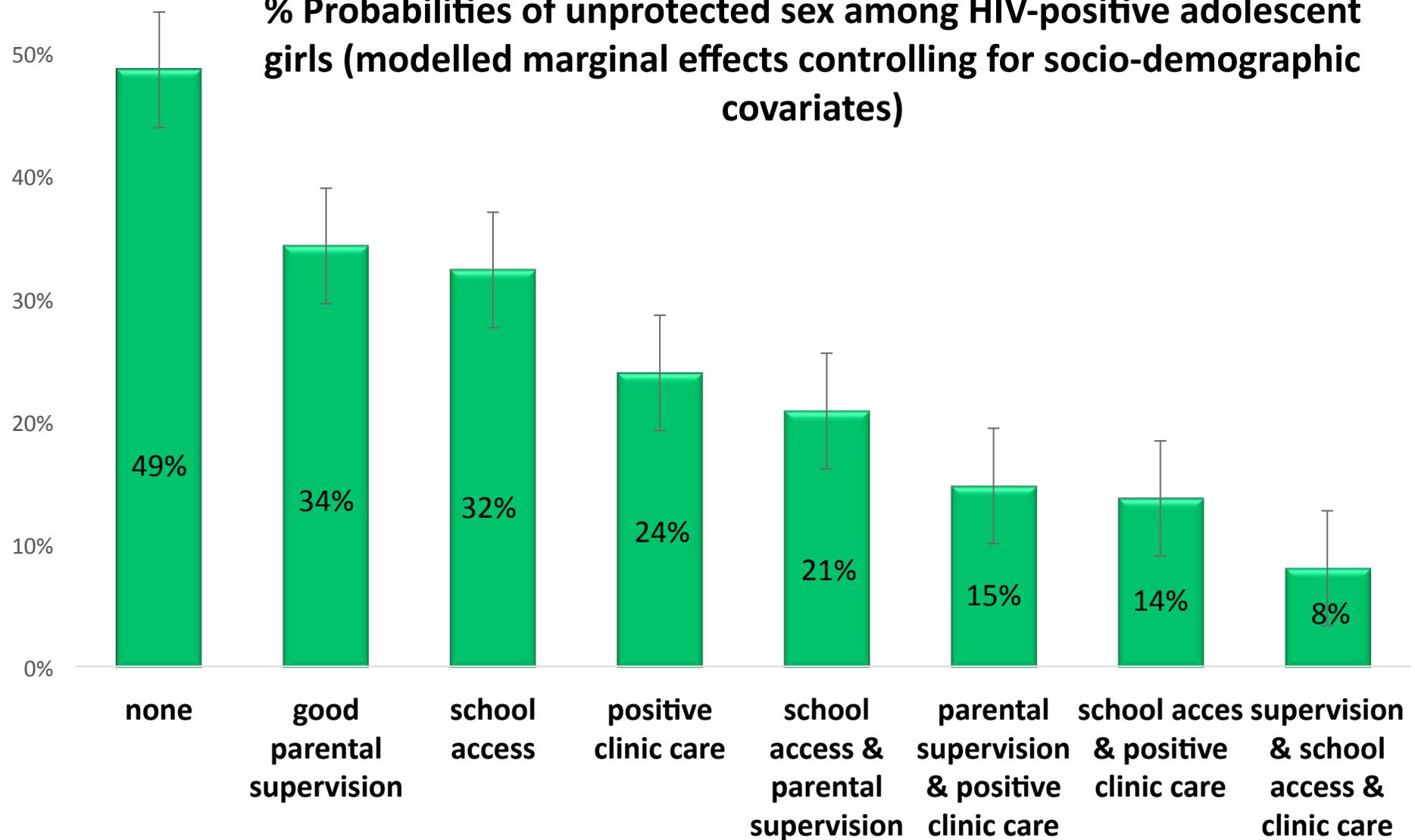


Cluver, Orkin, Toska, Hodes, Yakubovich, Sherr (2016). *AIDS Care*.

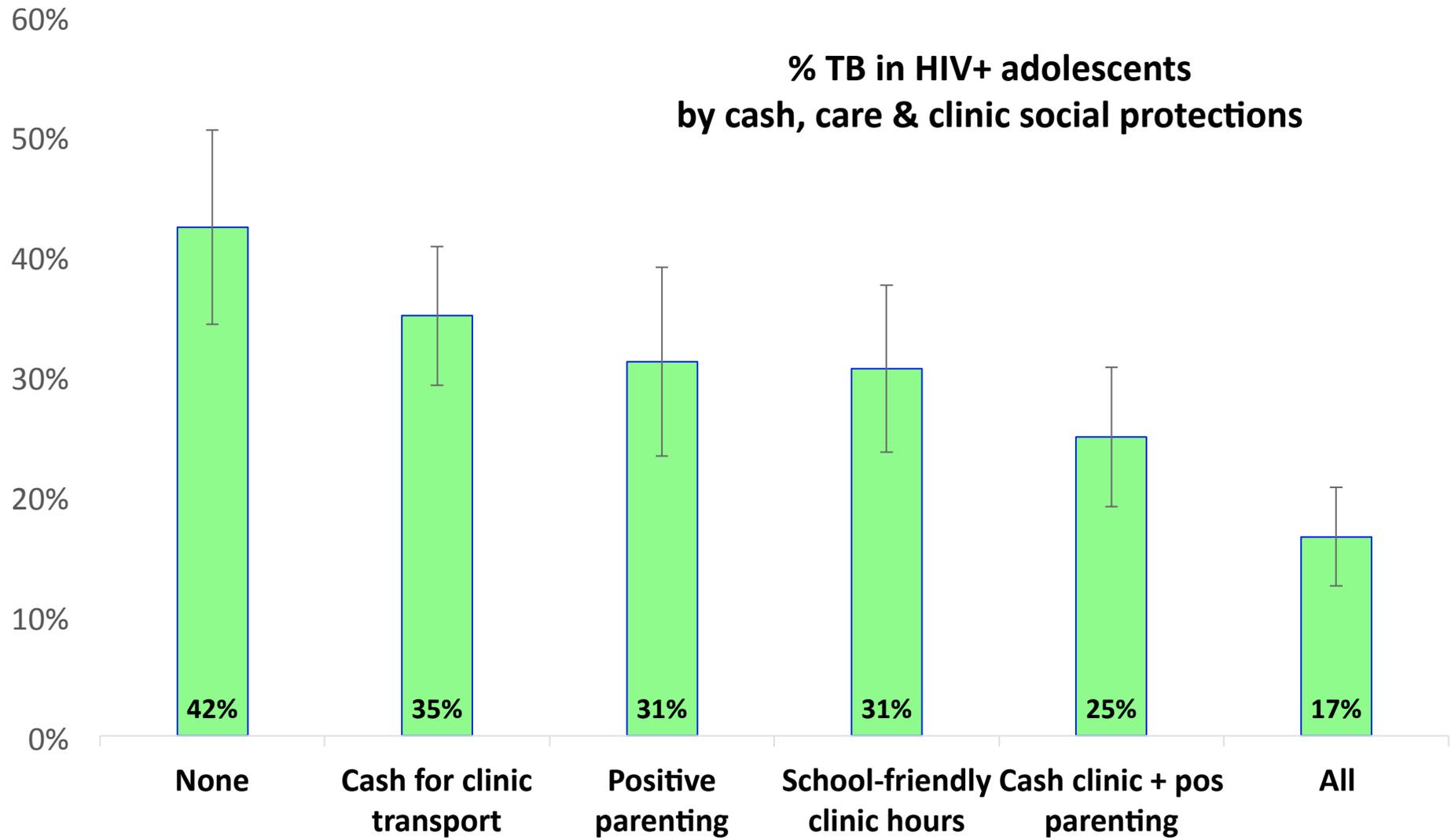
CASH + CARE + CLINIC: POSITIVE PREVENTION



% Probabilities of unprotected sex among HIV-positive adolescent girls (modelled marginal effects controlling for socio-demographic covariates)



CASH + CARE.... TB PREVENTION?



EVIDENCE: VALIDITY AND UTILITY



RANDOMISED CONTROLLED TRIALS

- high internal validity
- expensive, lengthy
- can have low or unknown external validity

QUASI-EXPERIMENTAL LONGITUDINAL ANALYSES

- high external validity
- lower-cost if data already available
- can have lower internal validity (debated)



PRAGMATIC RCTS

- high internal & external validity
- still expensive, lengthy

THE FUTURE EVIDENCE-BASE...



CHILD COMMUNITY CARE STUDY



INCREDIBLE TEAMS AND TEENS

Mark Orkin, Lorraine Sherr, Mark Boyes, Franziska Meinck, Rebecca Hodes, Elona Toska, Alexa Yakubovich, Marija Pantelic, Mosa Moshabela. Oxford team: Lizzy Button, Sarah Hoeksma, Melissa Pancoast, Cathy Ward, Chris Mikton, Mark Tomlinson, Jenny Doubt Jamie Lachman, Frances Gardner Lynne Murray, Peter Cooper, Inge Wessels, Theresa Kilbane, Jasmina Byrne, Judy Hutchings, Alessandra Guedes, Robert Butchart, Bernadette Madrid; Mark Tomlinson, Sarah Skeen, Marguerite Marlow, Alice Redfern, Sachin de Stone, Nasteha Saleh, Sally Medley, Daphnee Blanc, Phelisa Mphimphilashe, Kile Nocuza, Yulia Shenderovich, Rocio Herrero Romero, Tshiamo Petersen, Janina Steinert, R Hodes; E Toska, B Vale, M Pantelic; J Rosenfeld; N Galela, C Kama, N Kamile, B Kinana, M Isaacsohn, V Luke, A Mampangashe, Z Marikeni, A Mbiko, P Mjo, S Mona, M Mpumlwana, S Mqalo, M Neel, B Saliwe, N Sontsonga, Alexa Yakubovich, I Skracic, J Steinert, J Sandelson; L Parmley; L Pilard; Rachel Smith, Amol Naik, Khameer Kidia, T Walker, Y Dunkley, C Gilmer, R Jopling, A Robb; C Carty, D Mark, M Boyes; M Coqui, N Hwele, F Meinck, F Venter, Soraya Seedat, Naema Seedat, Julia Rosenfeld, Kerry Mauchline, Marisa Casale, Caroline Kuo, Tyler Lane, Lebo Sello, Amy Bustamam, Lebo Sello, Kate Orkin, Maria Mabeta, Don Operario, Rachel Bray, Andy Dawes, Julia Limba, Daphee Makhazi, Joy Nikelo. Marius Coqui, Nondumiso Hlwele, Thobani Ncapai, Sarah Walters._W Booi, N Bungane, L Button, C Carty, KE Chademana, L Cluver, Y Dunkley, N Galela, C Gilmer, L Gittings, N Gwebecimele, R Haighighat, E He, A Heusel, R Hodes, M Isaacsohn, Z Jantjies, R Jopling, C Kama, B Kamile, B Kinana, V Luke, B Madondo, K Makabane, B Makwenkwe, T Mampangashe, Z Marikeni, D Mark, X Matebese, A Mayekiso, A Mbiko, A Mboyiya, D Mhlauli, S Medley, F Meinck, P Mngese, S Mngese, P Mjo, S Mona, T Moyikwa, S Mpimpilashe, M Mpumlwana, S Mqalo, S Mwellie, P Myoyo, M Neel, U Ngesi, S Ngozi, P Nobatye, N Nurova, M Pantelic, L Parmley, L Pilard, T Ramncwana, A Robb, J Rosenfeld, B Saliwe, J Sandelson, L Sidloyi, I Skracic, R Smith, N Sontsonga, J Steinert, B Taleni, M Thabeng, E Toska, S Tshaka, T Tsiba, B Vale, T Walker, P Wardle. N Bhambra, N Bobrowitz, K Kidia, A Naik, A Redfern.



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U.S. President's Emergency Plan for AIDS Relief

