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HIV and adolescents: guidance for HIV testing and counselling and care for adolescents living with HIV

#### ANNEX 6: **GRADE Evidence profiles**

# **GRADE evidence profiles: PICO 1a – RCTs (HTC)**

Author(s): Lindegren ML, Horvath T, Anglemyer A, Rutherford GW Date: 2011-12-06

Question: Should HIV testing and counselling vs control be used for preventing HIV transmission and improving HIV care in Adolescents? Settings: Settings with a generalised epidemic: Kenya, Tanzania, Trinidad & Tobago, Uganda Bibliography: Muhamadi 2011, VCT 2000, Wanyenze 2011

			Quality asses	sment			No of patie			Effect	Quality	Importance
No of studies	Design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	HIV testing and counselling	Control	Relative (95% CI)	Absolute		
STI incide	ence (follow-u	up 6 month	s)	•								
-			no serious inconsistency		very serious <sup>2</sup>	none	51/1145 (4.5%) <sup>3</sup>	62/1134 (5.5%) <sup>3</sup>		10 fewer per 1000 (from 25 fewer to 10 more) <sup>4</sup>	⊕000 VERY LOW	CRITICAL
HIV+ alive	e at 6 months	(follow-up	6 months)									
-		no serious risk of bias	no serious inconsistency	very serious⁵	very serious²	none	87/142 (61.3%)	49/66 (74.2%)	RR 0.83 (0.68 to 1)	126 fewer per 1000 (from 238 fewer to 0 more)	⊕OOO VERY LOW	CRITICAL
HIV+ atte	nded HIV clin	ic (follow-u	p 6 months)			•						
-		no serious risk of bias	no serious inconsistency	very serious⁵	very serious <sup>2</sup>	none	53/98 (54.1%)	39/55 (70.9%)	RR 0.76 (0.59 to 0.98)	170 fewer per 1000 (from 14 fewer to 291 fewer)	⊕OOO VERY LOW	CRITICAL
Uptake of	pre-ARV car	e (follow-u	p 5 months)									
			no serious inconsistency	serious <sup>1</sup>	serious <sup>6</sup>	none	135/200 (67.5%)	77/200 (38.5%)	RR 1.75 (1.44 to 2.14)	289 more per 1000 (from 169 more to 439 more)	⊕⊕OO LOW	CRITICAL
Unprotec	ted sex, men	, non-prima	ry partner (follow								-	
1	randomised	no serious	no serious	very serious <sup>7</sup>	serious <sup>6</sup>	none	123/768	166/766	RR 0.74	56 fewer per 1000	$\oplus 000$	CRITICAL

	trials	risk of bias	inconsistency				(16%)	(21.7%)	(0.6 to 0.91)	(from 20 fewer to 87 fewer)	VERY LOW	
Unprote	cted sex, wom	nen, non-pri	mary partner (fol	low-up 6 mon	iths)							
1	randomised	no serious	no serious	very serious <sup>7</sup>	serious <sup>6</sup>	none	91/795	125/791	RR 0.72	44 fewer per 1000	⊕000	CRITICAL
	trials	risk of bias	inconsistency				(11.4%)	(15.8%)	(0.56 to	(from 11 fewer to 70	VERY	
									0.93)	fewer)	LOW	

<sup>1</sup> Adult population. <sup>2</sup> Very few events

<sup>3</sup> Numerators and denominators were back-calculated from the reported OR (95% CI) and assumed equal data availability (89.4%) for each intervention group. These estimates are only used for the absolute effect measure.

<sup>4</sup> As estimated from back-calculated OR using available data reported in text. <sup>5</sup> Adult population; intervention and control groups were hospitalised inpatients.

<sup>6</sup> Few events.

<sup>7</sup> Adult population. Also, outcomes self-reported.

# Author(s): Horvath T Date: 2012-10-15

Question: Should four-session VCT vs wait-list control be used for preventing HIV transmission and improving HIV care in Adolescents?

Settings: Nigeria

Bibliography: Olley 2006

			Quality assess	ment			No of pa	atients		Effect	Quality	Importance
No of studies	Design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Four- session VCT	wait-list control	Relative (95% Cl)	Absolute		
Sexual ris	k behaviour at	4 weeks	(Better indicated by	y lower value	s)							
	randomised trials		no serious inconsistency	very serious <sup>2</sup>	very serious <sup>3</sup>	none	34	33	-	MD 2.47 lower (3.17 to 1.77 lower)	⊕OOO VERY LOW	CRITICAL
Depressio	n at 4 weeks (	Better ind	icated by lower val	ues)		•						
	randomised trials		no serious inconsistency	very serious <sup>2</sup>	very serious <sup>3</sup>	none	34	33	-	MD 8.45 lower (9.44 to 7.46 lower)	⊕OOO VERY LOW	IMPORTANT

<sup>1</sup> Randomisation process unclear, allocation not concealed, not blinded. <sup>2</sup> Adult population, self-report

<sup>3</sup> Very few events.

**GRADE evidence profiles: PICO 1b – RCTs (HTC)** 

#### Author(s): Lindegren ML, Horvath T, Anglemyer A, Rutherford GW

Date: 2011-12-12

Question: Should HIV testing and counselling vs control be used for preventing HIV transmission and improving HIV care in Adolescents? Settings: Key populations in settings with a low-level epidemic: United Kingdom, United States of America Bibliography: Apoola 2011, Bolu 2004

Quality assessment No of patients Effect Quality Importance No of Risk of Other HIV testing and Relative Desian Inconsistency Indirectness Imprecision Control Absolute studies bias considerations counselling (95% CI) STI incidence (follow-up 12 months) randomised serious<sup>2</sup> no serious serious<sup>1</sup> 88/508 68/256 RR 0.65 93 fewer per 1000 CRITICAL very none ⊕000 trials1 serious<sup>3</sup> (17.3%) (26.6%) (0.49 to (from 37 fewer to inconsistency VERY 0.86) 135 fewer) LOW Attended STI clinic (follow-up 1 weeks) randomised serious<sup>6</sup> 9/27 3/27 RR 3 (0.91 222 more per 1000 CRITICAL very no serious very none ⊕000 trials4 serious<sup>3</sup> serious⁵ inconsistencv (33.3%) (11.1%) to 9.88) (from 10 fewer to VERY 987 more) LOW Uptake of HIV, HBV, and HCV testing (follow-up 1 weeks) randomised verv no serious serious<sup>6</sup> none<sup>7</sup> 79/81 9/81 RR 8.77 111 more per 1000 IMPORTANT very 000⊕ serious⁵ serious<sup>3</sup> trials<sup>4</sup> inconsistency (97.5%) (11.1%) (4.73 to (from 111 more to VERY 111 more) 16.26) LOW Received all 3 doses of HAV and HBV vaccine (follow-up 1 weeks) randomised very serious<sup>6</sup> 10/27 RR 0.90 370 more per 1000 IMPORTANT no serious none 9/27 000⊕ very serious<sup>3</sup> trials<sup>4</sup> serious⁵ (from 370 more to inconsistencv (33.3%) (37%) (0.43 to VERY 1.85) 370 more) LOW

<sup>1</sup> Counselling intervention only.

<sup>2</sup> Not blinded; Only 5833/13471 (43%) of eligibles consented.

<sup>3</sup> Very few events

<sup>4</sup> Testing intervention only

<sup>5</sup> Not blinded. Sequence generation method and allocation concealment method not described. Only 11% of eligibles consented.

<sup>6</sup> Pre-test discussion, not counselling per se.

<sup>7</sup> Very large effect (97% vs. 11%) but not upgraded for strong association because of multiple downgradings.

## **GRADE evidence profiles: PICO 1a/b – observational studies**

Author(s): Lindegren ML, Horvath T, Anglemyer A, Rutherford GW

Date: 2011-11-02

**Question:** Should HIV testing and counselling vs control be used for preventing HIV transmission and improving HIV care in Adolescents ? **Settings:** Kenya, South Africa, Thailand, United Kingdom, United States of America

**Bibliography:** Gwadz 2010, Kabiru 2010, Müller 1995, Naughton 2011 (observational studies)

			Quality asses	sment			No of patie			Effect	Quality	Importanc
No of studies	Design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	HIV testing and counselling	Control	Relative (95% CI)	Absolute		
_inkage t	to care (genera	lised) (follo	w-up 2-14 month	is)	•	•	•					•
1	observational studies <sup>1</sup>	serious <sup>2</sup>	no serious inconsistency	no serious indirectness	very serious <sup>3</sup>	none	0/7 (0%)	0/7 (0%)	-	-	⊕000 VERY LOW	CRITICAL
_inkage t	to care (key po	pulations)										
1	observational studies	no serious risk of bias	no serious inconsistency	serious⁴	very serious <sup>3</sup>		23/89 (25.8%)	29/83 (34.9%)	RR 0.74 (0.47 to 1.17)	91 fewer per 1000 (from 185 fewer to 59 more)	⊕000 VERY LOW	CRITICAL
Concurre	ent sexual part	nership, me	n (generalised) (	follow-up 6 mo	nths)							•
1	observational studies	no serious risk of bias	no serious inconsistency	very serious <sup>5,6</sup>	very serious <sup>3</sup>	none <sup>7</sup>	26/160 (16.3%) <sup>8</sup>	8/159 (5%) <sup>8</sup>	HR 3.18 (1.51 to 6.72)	101 more per 1000 (from 25 more to 243 more)	⊕000 VERY LOW	CRITICAL
Concurre	ent sexual part	nership, eve	er pregnant wom	en (generalised	l) (follow-up	6 months)						
1	observational studies	no serious risk of bias	no serious inconsistency	very serious <sup>5,6</sup>	very serious <sup>3</sup>	none	7/73 (9.6%) <sup>8</sup>	4/74 (5.4%) <sup>8</sup>	HR 1.67 (0.51 to 5.48)	35 more per 1000 (from 26 fewer to 208 more)	⊕000 VERY LOW	CRITICAL
Concurre	ent sexual part	nership, nev	ver pregnant wor	nen (generalise	d) (follow-up	6 months)	•		· · ·			<u> </u>
1	observational studies	no serious risk of bias	no serious inconsistency	very serious <sup>5,6</sup>	very serious <sup>3</sup>	none	1/60 (1.7%) <sup>8</sup>	2/73 (2.7%) <sup>8</sup>	HR 0.69 (0.07 to 7.12)	8 fewer per 1000 (from 25 fewer to 152 more)	⊕000 VERY LOW	CRITICAL
'Risky" s	exual partner,	men (gener	ralised) (follow-u		•	•	•					
1	observational studies	no serious risk of bias	no serious inconsistency	very serious <sup>5,6</sup>	very serious <sup>3</sup>	none	20/160 (12.5%) <sup>8</sup>	19/159 (11.9%) <sup>8</sup>	HR 1.11 (0.61 to 2.01)	12 more per 1000 (from 45 fewer to 106 more)	⊕000 VERY LOW	CRITICAL
'Risky" s	exual partner,	ever pregna	ant women (gene	eralised) (follow	-up 6 month	s)						
1	observational studies	no serious risk of bias	no serious inconsistency	very serious <sup>5,6</sup>	very serious <sup>3</sup>	none	6/73 (8.2%) <sup>8</sup>	5/74 (6.8%) <sup>8</sup>	HR 1.18 (0.33 to 4.16)	12 more per 1000 (from 45 fewer to 185 more)	⊕000 VERY LOW	CRITICAL
'Risky" s	exual partner,	never preg	nant women (ger	neralised) (follo	w-up 6 mont	hs)	•	· ·				
	observational studies	no serious risk of bias	no serious inconsistency	very serious <sup>5,6</sup>	very serious <sup>3</sup>	strong association <sup>7</sup>	20/60 (33.3%) <sup>8</sup>	7/73 (9.6%) <sup>8</sup>	HR 3.54 (1.48 to 8.45)	204 more per 1000 (from 43 more to 477 more)	⊕000 VERY LOW	CRITICAL

	T	· ·		. 56								
1	observational	no serious	no serious		very	none	60/160	61/159	HR 0.98	6 fewer per 1000	$\oplus 000$	CRITICAL
	studies	risk of bias	inconsistency		serious <sup>3</sup>		(37.5%) <sup>8</sup>	(38.4%) <sup>8</sup>	(0.75 to	(from 79 fewer to	VERY	
									1.28)	78 more)	LOW	
Had unp	protected sex in	past 6 mon	ths after test, ev	er pregnant wo	men (genera	lised) (follow-up	6 months)					
1	observational	no serious	no serious	very serious <sup>5,6</sup>	very	none	30/73	50/74	HR 0.59	190 fewer per 1000	⊕000	CRITICAL
	studies	risk of bias	inconsistency		serious <sup>3</sup>		(41.1%) <sup>8</sup>	$(67.6\%)^8$	(0.47 to	(from 105 fewer to	VERY	
			,				· · ·	` ´	<b>`</b> 0.75)	265 fewer)	LOW	
Had unp	protected sex in	past 6 mon	ths after test , ne	ever pregnant w	omen (gene	ralised) (follow-u	o 6 months)	• •				
1	observational	no serious	no serious	very serious <sup>5,6</sup>	very	none	25/60	19/73	HR 1.64	130 more per 1000	⊕000	CRITICAL
	studies	risk of bias	inconsistency		serious <sup>3</sup>		(41.7%) <sup>8</sup>	(26%) <sup>8</sup>	(0.94 to	(from 14 fewer to	VERY	
							(	(,	2.83)	314 more)	LOW	
Number	of sexual partn	ers (N=0-1)	(concentrated) (f	ollow-up media	an 23 month	s)		<u> </u>				
1	observational	no serious	no serious	very serious <sup>5,6</sup>	serious <sup>9</sup>	none <sup>7</sup>	198/300	109/300	RR 1.82	298 more per 1000	⊕000	CRITICAL
	studies	risk of bias	inconsistency	,			(66%)	(36.3%)	(1.53 to	(from 193 more to	VERY	
							()	(,	2.15)	418 more)	LOW	
Condom	use during las	t three epis	odes of sexual in	tercourse (con	centrated) (f	ollow-up median	23 months)	44	•	· · · ·		
1	observational	no serious	no serious	very serious <sup>5,6</sup>	serious <sup>9</sup>	strong	121/300	32/300	RR 3.78	297 more per 1000	⊕000	CRITICAL
	studies	risk of bias	inconsistency	-		association <sup>7</sup>	(40.3%)	(10.7%)	(2.65 to	(from 176 more to	VERY	
							(		5.39)	468 more)	LOW	
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<sup>1</sup> Relative effect not calculable.

<sup>2</sup> No control.

<sup>3</sup> Very few events

<sup>4</sup> Study limitations (testing intervention only) <sup>5</sup> Outcomes based on patient self-report.

<sup>6</sup> Adult study population.
<sup>7</sup> Not upgraded for large effect because of multiple downgradings.
<sup>8</sup> Numerators and denominators were back-calculated from the reported HR (95% CI) and sample sizes. These estimates are only used for the absolute effect measure.
<sup>9</sup> Few events.

**GRADE evidence profiles: PICO 2 (training)** 

GRADE evidence profiles were not created for this review.

**GRADE evidence profiles: PICO 3a (disclosure)** 

GRADE evidence profiles were not created for this review.

**GRADE evidence profiles: PICO 3b (disclosure)** 

# **CONTROLLED TRIALS – ADOLESCENTS**

Author(s): Mary Lou Lindegren, Gail Kennedy, Tara Horvath, Alicen Spaulding Date: 2012-10-16

Question: Should small group discussions among adolescents be used for to support disclosure of HIV status?

Settings: United States

**Bibliography:** Rotheram-Borus MJ, Lee MB, Murphy DA, Futterman D, Duan N, Birnbaum JM, Lightfoot M; Teens Linked to Care Consortium. Efficacy of a preventive intervention for youths living with HIV. Am J Public Health. 2001 Mar;91(3):400-5

			Quality asse	ssment			No of patients	5		Effect	Quality	Importance
No of studies	Design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Small group discussions among adolescents	Control	Relative (95% Cl)	Absolute		
Disclose	d to sex partr	hers at 15	months									
1 <sup>1</sup>	randomised trials	serious <sup>2</sup>	no serious inconsistency	serious <sup>3</sup>	very serious <sup>4</sup>	Pre-ART era	51/80 (63.8%)	17/30 (56.7%)	RR 1.12 (0.79 to 1.6)	68 more per 1000 (from 119 fewer to 340 more)	⊕000 VERY LOW	CRITICAL
Number	of missed ap	pointmen	ts at 9 months (E	Better indicate	ed by lower v	/alues)						
1 <sup>1</sup>	randomised trials		no serious inconsistency	serious <sup>3</sup>	serious <sup>4</sup>	Pre-ART era	80	30	-	MD 0.6 higher (0.18 to 1.02 higher)	⊕000 VERY LOW	CRITICAL
Emotion	al distress me	ean score	at 9 months (Be	tter indicated	l by lower va	lues)	•	•				
1 <sup>1</sup>	randomised trials		no serious inconsistency	serious <sup>3</sup>	serious <sup>4</sup>	Pre-ART era	80	30	-	MD 0 higher (0.42 lower to 0.42 higher)	⊕000 VERY LOW	CRITICAL
Emotion	al distress me	ean score	at 15 months (B	etter indicate	d by lower v	alues)						
1 <sup>1</sup>	randomised trials	serious <sup>2</sup>	no serious inconsistency	serious <sup>3</sup>	serious⁴	Pre-ART era	80	30	-	MD 0 higher (0.42 lower to 0.42 higher)	⊕000 VERY LOW	CRITICAL
Physical	distress mea	in score a	at 15 months (Be	ter indicated	by lower val	lues)						
1 <sup>1,5</sup>	randomised trials	serious <sup>2</sup>	no serious inconsistency	serious <sup>3</sup>	serious <sup>4</sup>	Pre-ART era	80	30	-	MD 0.1 lower (0.52 lower to 0.32 higher)	⊕000 VERY LOW	CRITICAL
Unproted	ted sex at 15	months										
1 <sup>1</sup>	trials		no serious inconsistency	serious <sup>3</sup>	very serious <sup>4</sup>	Pre-ART era	2/80 (2.5%)	5/30 (16.7%)	RR 0.15 (0.03 to 0.73)	142 fewer per 1000 (from 45 fewer to 162 fewer)	⊕OOO VERY LOW	CRITICAL
T-cell co	1	· · .	r indicated by hig	,	1 . 4	L		1				
1'	randomised	serious <sup>2</sup>	no serious	serious <sup>3</sup>	serious <sup>4</sup>	Pre-ART era	80	30	-	MD 8.4 higher	⊕000	CRITICAL

trials	inconsistency				(12.58 lower to	VERY	
	-				29.38 higher)	LOW	

<sup>1</sup> Comparison group was standard of care.

<sup>2</sup> Non-randomized comparison between intervention attendees and controls.

<sup>3</sup> Study was conducted in the United States.

<sup>4</sup> Small number of events.

<sup>5</sup> Physical health distress score, calculated as a mean of the intensity (range=0-5) of each symptom from among 23 physical symptoms.

#### **RANDOMIZED CONTROL TRIALS – ADULTS**

Author(s): Mary Lou Lindegren, Gail Kennedy, Tara Horvath, Alicen Spaulding Date: 2012-10-17

Question: Should four session one-on-one counselling intervention among mothers be used for to support disclosure of HIV status?

Settings: United States

Bibliography: Murphy, Debra A.; Armistead, Lisa; Marelich, William D.; Payne, Diana L.; Herbeck, Diane M. Pilot trial of a disclosure intervention for HIV+ mothers: The TRACK program. Journal of Consulting and Clinical Psychology, Vol 79(2), Apr 2011, 203-214.

			Quality asse	ssment			No of patients			Effect	Quality	Importance
No of studies	Design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Four session one-on- one counselling intervention among mothers	Control	Relative (95% CI)	Absolute		
Disclosu	ire at 9 montl	ns follow-u	ıр									
			no serious inconsistency		very serious <sup>3</sup>	none	13/39 (33.3%)	3/41 (7.3%)	RR 4.56 (1.4 to 14.77)	260 more per 1000 (from 29 more to 1000 more)	⊕OOO VERY LOW	CRITICAL

<sup>1</sup> Comparison was standard of care.

<sup>2</sup> Study conducted in the United States.

<sup>3</sup> Very small number of events.

Author(s): Mary Lou Lindegren, Gail Kennedy, Tara Horvath, Alicen Spaulding

Date: 2012-10-09

Question: Should group sessions among HIV-positive parents and their adolescent children be used for to support disclosure of HIV status?

Settings: United States

**Bibliography:** Rotheram-Borus MJ, Lee MB, Gwadz M, Draimin B. An intervention for parents with AIDS and their adolescent children. American Journal of Public Health. 2001;91:1294–1302.

			Quality asso	essment			No of patients			Effect	Quality	Importance
No of studies	Design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Group sessions among HIV-positive parents and their adolescent children	Control	Relative (95% CI)	Absolute		
Disclose	d status to a	II children	at 12 months		•	•						
	randomised trials	no serious risk of bias	no serious inconsistency	very serious <sup>2</sup>	serious <sup>3</sup>	Pre-ART era	115/153 (75.2%)	116/154 (75.3%)		0 fewer per 1000 (from 90 fewer to 98 more)	⊕000 VERY LOW	CRITICAL
Disclose	d status to a	t least 1 a	dolescent at 24 r	nonths	•							
	randomised trials		no serious inconsistency	very serious <sup>2</sup>	serious <sup>3</sup>	Pre-ART era	136/153 (88.9%)	131/154 (85.1%)		34 more per 1000 (from 34 fewer to 119 more)	⊕OOO VERY LOW	CRITICAL
Disclose	d status to a	ll children	at 24 months									
		no serious risk of bias	no serious inconsistency	very serious <sup>2</sup>	serious <sup>3</sup>	Pre-ART era	130/153 (85%)	131/154 (85.1%)		0 fewer per 1000 (from 77 fewer to 85 more)	⊕000 VERY LOW	CRITICAL
Parental	depression	score at 3	months (Better i	indicated by I	ower values)	•						
-	randomised trials		no serious inconsistency	very serious <sup>2</sup>	no serious imprecision	Pre-ART era	153	154	-	MD 0.28 higher (0.06 to 0.5 higher)	⊕⊕OO LOW	CRITICAL
Parental	depression	score at 1	5 months (Better	indicated by	lower values)		•					
-	randomised trials	no serious risk of bias	no serious inconsistency	very serious <sup>2</sup>	no serious imprecision	Pre-ART era	153	154	-	MD 0.22 lower (0.44 lower to 0 higher)	⊕⊕OO LOW	CRITICAL
Parental	depression	score at 24	4 months (Better	indicated by	lower values)							
	randomised trials	-	no serious inconsistency	very serious <sup>2</sup>	no serious imprecision	Pre-ART era	153	154	-	MD 0.12 lower (0.34 lower to 0.1 higher)	⊕⊕OO LOW	CRITICAL

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Author(s): Mary Lou Lindegren, Gail Kennedy, Tara Horvath, Alicen Spaulding

Date: 2012-10-17

Question: Should group counselling among MSM be used for to support disclosure of HIV status?

Settings: United States

**Bibliography:** Serovich JM, Reed S, Grafsky EL, Hartwell EE, Andrist D. An Intervention to Assist Men Who Have Sex with Men Disclose Their Serostatus to Family Members: Results from a Pilot Study. AIDS AND BEHAVIOR. Volume 15, Number 8 (2011), 1647-1653.

			Quality asses	ssment			No of patien	its		Effect	Quality	Importance
No of studies	Design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Group counselling among MSM	Control	Relative (95% Cl)	Absolute		
Number o	of family mem	bers disc	losed to at 3 mor	ths follow-up	2							
1	randomised trials		no serious inconsistency	very serious <sup>2</sup>	very serious <sup>3</sup>	none	120/235 (51.1%)	98/212 (46.2%)	RR 1.1 (0.91 to 1.34)	46 more per 1000 (from 42 fewer to 157 more)	⊕OOO VERY LOW	CRITICAL

<sup>1</sup> Comparison group got a delayed version of the same intervention.

<sup>2</sup> Adult population; Study conducted in the United States; self report.

<sup>3</sup> Very small number of events.

Author(s): Mary Lou Lindegren, Gail Kennedy, Tara Horvath, Alicen Spaulding

Date: 2012-10-17

Question: Should peer led behavioral sessions among MSM be used for to support disclosure of HIV status?

Settings: United States

**Bibliography:** Wolitski RJ, Gomez CA, Parsons JT. Effects of a peer-led behavioral intervention to reduce HIV transmission and promote serostatus disclosure among HIV-seropositive gay and bisexual men. AIDS. 2005;19:S99–S109.

			Quality asse	ssment			No of patien	ts		Effect	Quality	Importance
No of studies	Design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Peer led behavioral sessions among MSM	Control	Relative (95% Cl)	Absolute	·	
Disclose	d HIV status	to some pa	rtners at 6 month	าร			•	• •		· · · · · · · · · · · · · · · · · · ·		
		no serious risk of bias	no serious inconsistency	very serious <sup>2</sup>	serious <sup>3</sup>	none	109/304 (35.9%)	101/298 (33.9%)		20 more per 1000 (from 51 fewer to	⊕OOO VERY	CRITICAL

r								r				
									1.32)	108 more)	LOW	
Disclos	ed HIV status	to all partn	ers at 6 months									
1 <sup>1</sup>		no serious risk of bias	no serious inconsistency	very serious <sup>2</sup>	serious <sup>3</sup>	none	136/304 (44.7%)	128/298 (43%)	RR 1.04 (0.87 to 1.25)	17 more per 1000 (from 56 fewer to 107 more)	⊕000 VERY LOW	CRITICAL
Unprote	cted anal inte	rcourse at	6 months									
1 <sup>1</sup>		no serious risk of bias	no serious inconsistency	very serious <sup>2</sup>	serious <sup>3</sup>	none		108/354 (30.5%)		40 fewer per 1000 (from 95 fewer to 31 more)	⊕000 VERY LOW	CRITICAL
Consist	ent condom u	se during i	nsertive anal inte	ercourse at 6	months							
1 <sup>1</sup>		no serious risk of bias	no serious inconsistency	very serious <sup>2</sup>	very serious <sup>3</sup>	none	61/121 (50.4%)	58/119 (48.7%)	RR 1.03 (0.8 to 1.34)	15 more per 1000 (from 97 fewer to 166 more)	⊕000 VERY LOW	CRITICAL
Interven	tion motivate	d me to tell	my partners abo	out my HIV sta	atus: mean sco	ore (Better indicat	ed by higher values	s)				-
1 <sup>1</sup>		no serious risk of bias	no serious inconsistency	very serious <sup>2</sup>	no serious imprecision	none	413	398	-	MD 0.57 higher (0.41 to 0.73 higher)	⊕000 VERY LOW	CRITICAL

<sup>1</sup> Comparison group received a standard intervention that was briefer in content. <sup>2</sup> Adult population; Study conducted in the United States; self report.

### **OBSERVATIONAL STUDIES – ADULTS**

Author(s): Mary Lou Lindegren, Gail Kennedy, Tara Horvath, Alicen Spaulding

Date: 2012-10-17

Question: Should structured support groups among pregnant women be used for to support disclosure of HIV status?

Settings: South Africa

Bibliography: Mundell J et al. (2011): The Impact of Structured Support Groups for Pregnant South African Women Recently Diagnosed HIV Positive, Women & Health, 51:6, 546-565.

			No of patients	s		Effect	Quality	Importance				
No of studies	Design	Risk of bias	Inconsistency	Indirectness	Imprecision		Structured support groups among pregnant women	Control	Relative (95% CI)	Absolute		
Disclosu	re at 2 months	follow-up										
1 <sup>1</sup>	observational	no serious	no serious	serious <sup>4</sup>	serious <sup>3</sup>	none	121/129	117/150	RR 1.2	156 more per	⊕000	CRITICAL

	studies	risk of bias	inconsistency				(93.8%)	(78%)	(1.09 to 1.32)	1000 (from 70 more to 250 more)	VERY LOW	
Disclosu	re at 8 months	follow-up				•			· · · ·			
		no serious risk of bias	no serious inconsistency	serious <sup>4</sup>	serious <sup>3</sup>	none	125/129 (96.9%)	123/150 (82%)	(1.09 to	148 more per 1000 (from 74 more to 230 more)	VERY	CRITICAL
Depresse	ed at 8 months	follow-up	•	-1	•	•				·		
		no serious risk of bias	no serious inconsistency	serious <sup>4</sup>	serious <sup>3</sup>	none		134/150 (89.3%)		0 fewer per 1000 (from 71 fewer to 71 more)		CRITICAL

<sup>1</sup> Comparison is post-intervention data.

<sup>2</sup> Small number of events.

<sup>3</sup> Adult study population

Author(s): Mary Lou Lindegren, Gail Kennedy, Tara Horvath, Alicen Spaulding Date: 2012-10-17 Question: Should workshops among women be used for to support disclosure of HIV status?

Settings: Mali

**Bibliography:** Otis J, Yattassaye A, Henry E, Diop S, Dembele B, Kassogue K, Dem R, Djemma O, Preau M, McFadyen A, Saint-Pierre-Gagne S. Effects of an empowerment program on the ability of women living with HIV (WLHIV) in Mali to manage decisions regarding whether or not to disclose HIV status. AIDS 2012 conference abstract.

			Quality assess	nent			No of patier	nts		Effect	Quality	Importance
No of studies	Design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Workshops among women	Control	Relative (95% Cl)	Absolute		
Weight of	keeping HIV st	atus secret	mean score (Bette	er indicated b	y lower valu	es)						
			no serious inconsistency	serious <sup>3</sup>	serious <sup>2</sup>	none	93	66		MD -1.07 lower (-1.3 lower to 0.81 higher)		CRITICAL

<sup>1</sup> Comparison is post-intervention data.

<sup>2</sup> Small number of events.

<sup>3</sup> Adult study population

# **GRADE** evidence profiles: PICO 4 (c-b services/decentralization)

Author(s): Butler LM, Kennedy GE, Rajan J, Wells G, Spaulding AB, Horvath T Date: 2012-10-10 Question: Should Peer health workers (PHW) vs Standard care be used for improving outcomes in adolescents with HIV infection? Settings: Uganda Bibliography: Chang 2010

			Quality asses	sment			No of pa	itients		Effect	Quality	Importance
No of studies	Design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Peer health workers (PHW)	Standard care	Relative (95% CI)	Absolute		
Mortality	(26 months)			•		L				l	1	
1	randomised trials	no serious risk of bias	no serious inconsistency	serious <sup>1</sup>	very serious <sup>2</sup>	none	90/966 (9.3%)	31/366 (8.5%)	RR 1.1 (0.74 to 1.62)	8 more per 1000 (from 22 fewer to 53 more)	⊕OOO VERY LOW	CRITICAL
Viral failu	ire (>400 cop	ies/mL) (24	weeks)			•						
1	randomised trials	no serious risk of bias	no serious inconsistency	serious <sup>1</sup>	very serious <sup>2</sup>	none	45/462 (9.7%)	18/173 (10.4%)	RR 0.94 (0.56 to 1.57)	6 fewer per 1000 (from 46 fewer to 59 more)	⊕000 VERY LOW	CRITICAL
Viral failu	ire (>400 cop	ies/mL) (48	weeks)						•			
1	randomised trials	no serious risk of bias	no serious inconsistency	serious <sup>1</sup>	very serious <sup>2</sup>	none	42/456 (9.2%)	18/164 (11%)	RR 0.84 (0.5 to 1.42)	18 fewer per 1000 (from 55 fewer to 46 more)	⊕OOO VERY LOW	CRITICAL
Viral failu	re (>400 cop	ies/mL) (96	weeks)	1		1	•	<b></b>				
1	randomised trials	no serious risk of bias	no serious inconsistency	serious <sup>1</sup>	very serious²	none	26/398 (6.5%)	17/134 (12.7%)	RR 0.51 (0.29 to 0.92)	62 fewer per 1000 (from 10 fewer to 90 fewer)	⊕OOO VERY LOW	CRITICAL
less than	95% adhered	nce (26 mon	iths)			•						
1	randomised trials	no serious risk of bias	no serious inconsistency	serious <sup>1</sup>	very serious <sup>2</sup>	none	12/874 (1.4%)	8/330 (2.4%)	RR 0.57 (0.23 to 1.37)	10 fewer per 1000 (from 19 fewer to 9 more)	⊕OOO VERY LOW	CRITICAL
less than	100% adhere	ence (26 mo	onths)		•	•	·	•			•	•
1	randomised trials	no serious risk of bias	no serious inconsistency	serious <sup>1</sup>	very serious <sup>2</sup>	none	223/874 (25.5%)	77/330 (23.3%)	RR 1.09 (0.87 to 1.37)	21 more per 1000 (from 30 fewer to 86 more)	⊕OOO VERY LOW	CRITICAL

<sup>1</sup> Adult population <sup>2</sup> Very few events.

Author(s): Butler LM, Kennedy GE, Rajan J, Wells G, Spaulding AB, Horvath T Date: 2012-10-10

Question: Should Peer health workers (PHW) w/ mobile phone support vs PHW without mobile phone support be used for improving outcomes in adolescents with HIV infection? Settings: Uganda

Bibliography: Chang 2011

			Quality asse	ssment			No of par	tients		Effect	Quality	Importance
No of studies	Design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Peer health workers (PHW) w/ mobile phone support	PHW without mobile phone support	Relative (95% Cl)	Absolute	quanty	importance
Mortality	(26 months)				•					•		
-	trials		no serious inconsistency	serious <sup>1</sup>	very serious <sup>2</sup>	none	37/446 (8.3%)	53/524 (10.1%)	RR 0.82 (0.55 to 1.22)	18 fewer per 1000 (from 46 fewer to 22 more)	⊕OOO VERY LOW	CRITICAL
Viral failu	ire (>400 cop	bies/mL) (4	8 weeks)									
	trials		no serious inconsistency	serious <sup>1</sup>	very serious <sup>2</sup>	none	18/201 (9%)	24/255 (9.4%)	RR 0.95 (0.53 to 1.7)	5 fewer per 1000 (from 44 fewer to 66 more)	⊕OOO VERY LOW	CRITICAL
Viral failu	ure (>400 cop	pies/mL) (2	4 weeks)		,	1	1	,				
	trials		no serious inconsistency	serious <sup>1</sup>	very serious <sup>2</sup>	none	25/203 (12.3%)	20/259 (7.7%)	RR 1.59 (0.91 to 2.79)	46 more per 1000 (from 7 fewer to 138 more)	⊕OOO VERY LOW	CRITICAL
less than	95% adhere	nce (26 m	onths)	•	,	1	1	· · · · · ·		, <u>, , , , , , , , , , , , , , , , , , </u>		
	trials		no serious inconsistency	serious <sup>1</sup>	very serious <sup>2</sup>	none	2/401 (0.5%)	10/473 (2.1%)	RR 0.24 (0.05 to 1.07)	16 fewer per 1000 (from 20 fewer to 1 more)	⊕OOO VERY LOW	CRITICAL
less than	100% adher	ence (26 n	nonths)									
	trials		no serious inconsistency	serious <sup>1</sup>	very serious <sup>2</sup>	none	101/401 (25.2%)	122/473 (25.8%)	RR 0.98 (0.78 to 1.23)	5 fewer per 1000 (from 57 fewer to 59 more)	⊕OOO VERY LOW	CRITICAL

<sup>1</sup> Adult population <sup>2</sup> Very few events

Author(s): Butler LM, Kennedy GE, Rajan J, Wells G, Spaulding AB, Horvath T Date: 2012-10-10 Question: Should HIV+ mentor mother vs Standard care be used for improving outcomes in adolescents with HIV infection? Settings: South Africa Bibliography: Futterman 2010

Quality assessment	No of patients	Effect	Quality	Importance	
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No of studies	Design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	HIV+ mentor mother	Standard care	Relative (95% Cl)	Absolute	
Follow-up	o visits (6 montl	าร)									
	observational studies		no serious inconsistency	serious <sup>2</sup>	very serious <sup>3</sup>	none	23/40 (57.5%)	11/31 (35.5%)	RR 1.62 (0.94 to 2.79)	220 more per 1000 (from 21 fewer to 635 more)	IMPORTANT

<sup>1</sup> Very high loss to follow-up.

<sup>2</sup> Population was pregnant women.
<sup>3</sup> Very few events.

Author(s): Butler LM, Kennedy GE, Rajan J, Wells G, Spaulding AB, Horvath T

Date: 2012-10-10

Question: Should Patient advocates (for paeds) vs Standard care be used for improving outcomes in adolescents with HIV infection?

Settings: South Africa

Bibliography: Grimwood 2012

	Quality assessment						No of pati	ients		Effect	Quality	Importance
No of studies	Design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	advocatos (tor	Standard care	Relative (95% CI)	Absolute		
Mortality	(3 years)											
1		no serious risk of bias	no serious inconsistency		very serious <sup>2</sup>	none	12/323 (3.7%)	259/3240 (8%)	RR 0.46 (0.26 to 0.82)	43 fewer per 1000 (from 14 fewer to 59 fewer)	⊕000 VERY LOW	CRITICAL

<sup>1</sup> Population was children: Median baseline age was 6.3 (IQR 3.3 to 9.5)

<sup>2</sup> Very few events

Author(s): Butler LM, Kennedy GE, Rajan J, Wells G, Spaulding AB, Horvath T

Date: 2012-10-10

Question: Should Integrated community-based services vs Standard care be used for improving outcomes in adolescents with HIV infection?

Settings: Botswana, Lesotho, Namibia, South Africa

Bibliography: Kabore 2010

Quality assessment	No of patients	Effect	Quality	Importance	
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No of studies	Design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Integrated community- based services	Standard care	Relative (95% CI)	Absolute		
>95% ad	herence (12 mo	onths)										
	studies		no serious inconsistency		no serious imprecision	none	287/429 (66.9%)	250/429 (58.3%)	RR 1.15 (1.03 to 1.27)	87 more per 1000 (from 17 more to 157 more)	⊕OOO VERY LOW	CRITICAL

<sup>1</sup> Adult population.

Author(s): Butler LM, Kennedy GE, Rajan J, Wells G, Spaulding AB, Horvath T

Date: 2012-10-10

Question: Should Rural community-based ART vs Urban hospital-based ART be used for improving outcomes in adolescents with HIV infection? Settings: Uganda

Bibliography: Kipp 2012

	Quality assessment							No of patients Effect   Rural Urban Polativo				Importance
No of studies	Design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Rural community- based ART	Urban hospital- based ART	Relative (95% CI)	Absolute		
Mortality	(2 years)											
	observational studies		no serious inconsistency		very serious <sup>3</sup>	none	32/185 (17.3%)	23/200 (11.5%)	RR 1.5 (0.91 to 2.47)	58 more per 1000 (from 10 fewer to 169 more)	⊕000 VERY LOW	CRITICAL
Reduced	viral load (24 I	nonths)								•		
	observational studies		no serious inconsistency		very serious <sup>3</sup>	none	120/129 (93%)	124/142 (87.3%)	RR 1.07 (0.98 to 1.15)	61 more per 1000 (from 17 fewer to 131 more)	⊕000 VERY LOW	CRITICAL

<sup>1</sup> Rural population probably not comparable to urban population
<sup>2</sup> Adult population
<sup>3</sup> Very few events

Author(s): Butler LM, Kennedy GE, Rajan J, Wells G, Spaulding AB, Horvath T Date: 2012-10-10 Question: Should Multi-component community-based care vs Standard care be used for improving outcomes in adolescents with HIV infection? Settings: Peru Bibliography: Munoz 2011

Quality assessment	No of patients	Effect	Quality	Importance	
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No of studies	Design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Multi-component community-based care	Standard care	Relative (95% CI)	Absolute		
Mortality	(2 years)						<u></u>					
	studies	no serious risk of bias	no serious inconsistency	serious <sup>1</sup>	very serious <sup>2</sup>	none	6/60 (10%)	17/200 (8.5%)	RR 1.18 (0.49 to 2.85)	15 more per 1000 (from 43 fewer to 157 more)	⊕000 VERY LOW	CRITICAL
>95% ad	herence (2 yea	rs)										
	studies	no serious risk of bias	no serious inconsistency	very serious <sup>1,3</sup>	very serious <sup>2</sup>	none	46/52 (88.5%)	26/31 (83.9%)	RR 1.05 (0.88 to 1.27)	42 more per 1000 (from 101 fewer to 226 more)	⊕000 VERY LOW	CRITICAL
Reduced	viral load (2 ye	ears)								,		
	studies	no serious risk of bias	no serious inconsistency	serious <sup>1</sup>	very serious <sup>2</sup>	none	35/52 (67.3%)	14/31 (45.2%)	RR 1.49 (0.97 to 2.29)	221 more per 1000 (from 14 fewer to 583 more)	⊕OOO VERY LOW	CRITICAL

<sup>1</sup> Adult population <sup>2</sup> Very few events. <sup>3</sup> Self-reported adherence.

Author(s): Butler LM, Kennedy GE, Rajan J, Wells G, Spaulding AB, Horvath T Date: 2012-10-10

Question: Should Peer-delivered modified DOT vs Standard care be used for improving outcomes in adolescents with HIV infection? Settings: Mozambique Bibliography: Pearson 2007

			Quality asses	sment	No of patients			Effect	Quality	Importance		
No of studies	Design	Risk of bias	Inconsistency	Indirectness	Imprecision		Peer-delivered modified DOT	Standard care	Relative (95% Cl)	Absolute		
Mortality	fortality (1 year)											
		no serious risk of bias	no serious inconsistency		very serious <sup>2</sup>	none	23/175 (13.1%)	32/175 (18.3%)	RR 0.72 (0.44 to 1.18)	51 fewer per 1000 (from 102 fewer to 33 more)	⊕OOO VERY LOW	CRITICAL
>90% adh	nerence (1 ye	ar)		•								
		no serious risk of bias		very serious <sup>1,3</sup>	serious <sup>4</sup>	none	135/147 (91.8%)	110/130 (84.6%)	RR 1.09 (0.99 to 1.18)	76 more per 1000 (from 8 fewer to 152 more)	⊕OOO VERY LOW	CRITICAL

<sup>1</sup> Adult population <sup>2</sup> Very few events <sup>3</sup> Self-reported adherence. <sup>4</sup> Few events.

Author(s): Butler LM, Kennedy GE, Rajan J, Wells G, Spaulding AB, Horvath T

Date: 2012-10-10

Question: Should Treatment-partner assisted therapy vs Standard care be used for improving outcomes in adolescents with HIV infection?

Settings: Nigeria Bibliography: Taiwo 2010

			Quality asses	ssment			No of patie	ents		Effect	Quality	Importance
No of studies	Design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Treatment- partner assisted therapy	Standard care	Relative (95% CI)	Absolute		
Mortality	(1 year)	•							•			
1	randomised trials	no serious risk of bias	no serious inconsistency	serious <sup>1</sup>	very serious <sup>2</sup>	none	26/245 (10.6%)	15/246 (6.1%)	RR 1.74 (0.95 to 3.2)	45 more per 1000 (from 3 fewer to 134 more)	⊕000 VERY LOW	CRITICAL
>95% adl	herence (48 v	weeks)			•							
1		no serious risk of bias	no serious inconsistency	very serious <sup>1,3</sup>	serious <sup>4</sup>	none	199/248 (80.2%)	169/251 (67.3%)	RR 1.19 (1.07 to 1.33)	128 more per 1000 (from 47 more to 222 more)	⊕OOO VERY LOW	CRITICAL
Reduced	viral load (2	4 weeks)		1	•	L						
1	randomised trials	no serious risk of bias	no serious inconsistency	serious <sup>1</sup>	serious <sup>4</sup>	none	153/238 (64.3%)	126/227 (55.5%)	RR 1.16 (1 to 1.35)	89 more per 1000 (from 0 more to 194 more)	⊕⊕OO LOW	CRITICAL
Reduced	viral load (4	8 weeks)			•							
1		no serious risk of bias	no serious inconsistency	serious <sup>1</sup>	serious <sup>4</sup>	none	162/234 (69.2%)	149/217 (68.7%)	RR 1.01 (0.89 to 1.14)	7 more per 1000 (from 76 fewer to 96 more)	⊕⊕OO LOW	CRITICAL

<sup>4</sup> Few events

Author(s): Butler LM, Kennedy GE, Rajan J, Wells G, Spaulding AB, Horvath T Date: 2012-10-10

# Question: Should Socio-economic support vs No socio-economic support be used for improving outcomes in adolescents with HIV infection? Settings: Uganda Bibliography: Talisuna-Alamo 2012

			Quality asses	ssment		No of p	patients		Effect	Quality	Importance	
No of studies	Design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Socio- economic support	No socio- economic support	Relative (95% CI)	Absolute		
Mortality	ortality (10 years): one kind of support											
	studies		no serious inconsistency		no serious imprecision	none	310/1971 (15.7%)	653/3985 (16.4%)	RR 0.96 (0.85 to 1.09)	7 fewer per 1000 (from 25 fewer to 15 more)	⊕000 VERY LOW	CRITICAL
Mortality	(10 years): two	o or more l	kinds of support									
	studies	no serious risk of bias	no serious inconsistency	very serious <sup>1</sup>	very serious <sup>2</sup>	none <sup>3</sup>	56/698 (8%)	653/3985 (16.4%)	RR 0.49 (0.38 to 0.64)	84 fewer per 1000 (from 59 fewer to 102 fewer)	⊕OOO VERY LOW	CRITICAL

Retrospective records review of adult patients.

<sup>2</sup> Very few events

<sup>3</sup> Not upgraded for large effect because of multiple down-gradings

Author(s): Butler LM, Kennedy GE, Rajan J, Wells G, Spaulding AB, Horvath T

Date: 2012-10-24

Question: Should Community-based adherence support vs standard care be used for improving outcomes for adolescents with HIV?

Settings: South Africa

Bibliography: Fatti 2012

	<b></b>		Quality asse	ssment		No of pat	ients		Effect	Quality	Importance	
No of studies	Design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Community- based adherence support	standard care	Relative (95% CI)	Absolute		
Mortality	(5 years)											
			no serious inconsistency		no serious imprecision	none	1770/19668 (9%)	5012/47285 (10.6%)	RR 0.85 (0.81 to 0.89)	16 fewer per 1000 (from 12 fewer to 20 fewer)	⊕OOO VERY LOW	CRITICAL
Retentio	n in care (5 yea	ars)	•			•						

1	observational studies	no serious risk of bias	no serious inconsistency	serious <sup>1</sup>	no serious imprecision	none	15557/19668 (79.1%)	34801/47285 (73.6%)	RR 1.07 (1.07 to 1.08)	52 more per 1000 (from 52 more to 59 more)	⊕OOO VERY LOW	CRITICAL
Virologio	c suppression	(6 months	5)									
1	observational studies	no serious risk of bias	no serious inconsistency	serious <sup>1</sup>	no serious imprecision	none	7266/9481 (76.6%)	15458/21478 (72%)	RR 1.06 (1.05 to 1.08)	43 more per 1000 (from 36 more to 58 more)	⊕OOO VERY LOW	CRITICAL
								72%		43 more per 1000 (from 36 more to 58 more)		
Virologio	c suppression	(12 month	is)									
1	observational studies	no serious risk of bias	no serious inconsistency	serious <sup>1</sup>	no serious imprecision	none	4004/6087 (65.8%)	8271/14813 (55.8%)	RR 1.18 (1.15 to 1.21)	101 more per 1000 (from 84 more to 117 more)	⊕OOO VERY LOW	CRITICAL
Virologio	c suppression	(24 month	is)									
1	observational studies	no serious risk of bias	no serious inconsistency	serious <sup>1</sup>	no serious imprecision	none	1724/3248 (53.1%)	4725/11183 (42.3%)	RR 1.26 (1.21 to 1.31)	110 more per 1000 (from 89 more to 131 more)	⊕OOO VERY LOW	CRITICAL

Adult population

Author(s): Butler LM, Kennedy GE, Rajan J, Wells G, Spaulding AB, Horvath T Date: 2012-10-24

Question: Should PDA-supported home visits by PLHA vs standard care for improving outcomes in adolescents with HIV infection? Settings: Kenya Bibliography: Selke 2010

			Quality asses	sment		No of patients			Effect		Importance	
No of studies	Design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	PDA- supported visits	standard care	Relative (95% Cl)	Absolute		
HIV-asso	ciated mortal	ity (12 mon	ths)									
		no serious risk of bias	no serious inconsistency		very serious <sup>2</sup>	none	0/96 (0%)	0/112 (0%)	Not estimable	-	⊕OOO VERY LOW	CRITICAL
Detectabl	Detectable viral load (12 months)											

1		no serious risk of bias	no serious inconsistency	serious <sup>1</sup>	very serious <sup>3</sup>	none	9/96 (9.4%)	13/112 (11.6%)	RR 0.81 (0.36 to 1.81)	22 fewer per 1000 (from 74 fewer to 94 more)	⊕000 VERY LOW	CRITICAL		
100% adh	00% adherence (self-report)													
1		no serious risk of bias	no serious inconsistency	very serious <sup>1</sup>	serious <sup>4</sup>	none	76/96 (79.2%)	95/112 (84.8%)	RR 0.93 (0.82 to 1.06)	59 fewer per 1000 (from 153 fewer to 51 more)	⊕⊕OO LOW	CRITICAL		
<sup>2</sup> No even <sup>3</sup> Very few	Adult population; self-reported adherence No events in either group Very few events Few events													