A review of the effectiveness and cost-effectiveness of personal, social and health education in secondary schools focusing on sex and relationships and alcohol education for young people aged 11 to 19 years

SRE FOREST PLOTS

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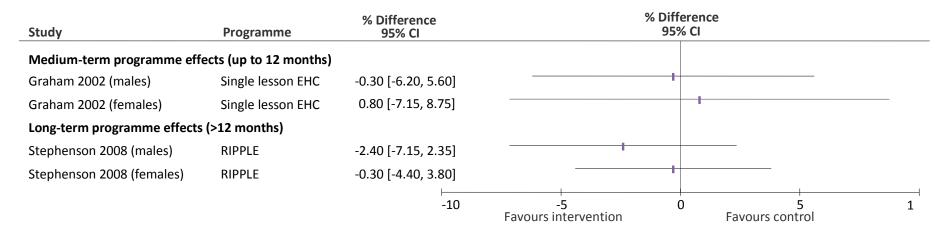
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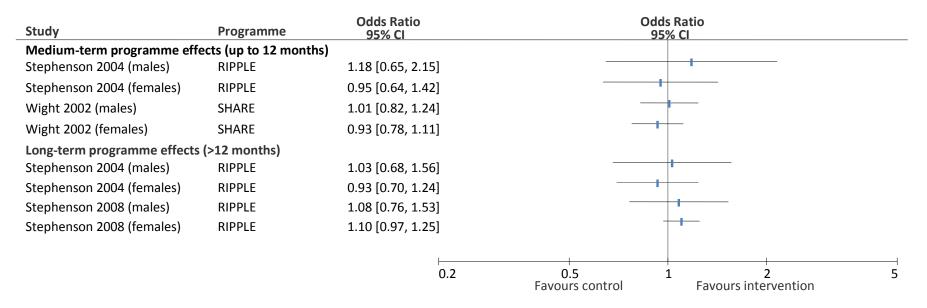
# Figure 1. UK SRE studies: Whether students had ever had sex at follow-up [1]

Study	Programme	Odds Ratio 95% Cl	Odds Ratio 95% Cl	
Medium-term programme effects (up	to 12 months)			
Wight 2002 (males)	SHARE	0.98 [0.81, 1.18]		
Wight 2002 (females)	SHARE	0.95 [0.81, 1.12]		
Stephenson 2004 (males)	RIPPLE	1.06 [0.74, 1.52]		
Stephenson 2004 (females)	RIPPLE	0.92 [0.76, 1.12]		
Mellanby 1995 (vs. local controls)	A PAUSE	0.79 [0.64, 0.98]		
Mellanby 1995 (vs. distant controls)	A PAUSE	0.65 [0.49, 0.86]		
Tucker 2007	SHARE	1.31 [0.94, 1.82]		
Long-term programme effects (>12 m	onths)			
Stephenson 2004 (males)	RIPPLE	0.92 [0.66, 1.29]		
Stephenson 2004 (females)	RIPPLE	0.82 [0.68, 0.98]		
		0.2	0.5 1 Favours intervention	2 5 Favours control

### Figure 2. UK SRE studies: Whether students had ever had sex at follow-up [2]



#### Figure 3. UK SRE studies: No regret at first sexual intercourse



# Figure 4. UK SRE studies: Contraceptive use at first sex

Study	Programme	Odds Ratio 95% Cl	Odds Ratio 95% Cl
Medium-term programme ef	fects (up to 12 m	onths)	
Any contraceptive use			
Stephenson 2004 (males)	RIPPLE	1.63 [0.99, 2.68]	
Stephenson 2004 (females)	RIPPLE	1.14 [0.81, 1.61]	
Condom use			
Wight 2002 (males)	SHARE	1.11 [0.77, 1.60]	
Wight 2002 (females)	SHARE	0.93 [0.72, 1.21]	
Long-term programme effect	s (> 12 months)		
Any contraceptive use			
Stephenson 2004 (males)	RIPPLE	1.01 [0.68, 1.50]	
Stephenson 2004 (females)	RIPPLE	0.90 [0.73, 1.11]	
Stephenson 2008 (males)	RIPPLE	1.04 [0.65, 1.67]	
Stephenson 2008 (females)	RIPPLE	1.07 [0.88, 1.31]	
Condom use			
Stephenson 2008 (males)	RIPPLE	0.97 [0.65, 1.45]	
Stephenson 2008 (females)	RIPPLE	0.89 [0.70, 1.13]	
			0.5 0.7 1 1.5 2 Favours control Favours intervention

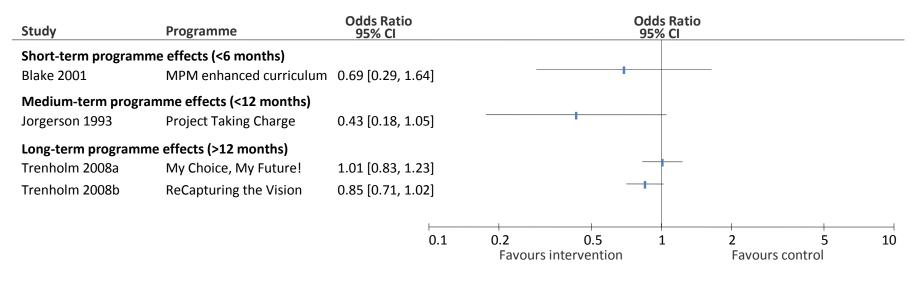
# Figure 5. UK SRE studies: Contraceptive use at last or most recent sex

Study	Programme	Odds Ratio 95% Cl	Odds Ratio 95% Cl
Medium-term programme ef	fects (up to 12 mor	nths)	
Any contraceptive use			
Wight 2002 (males)	SHARE	0.85 [0.61, 1.19]	
Wight 2002 (females)	SHARE	1.13 [0.89, 1.44]	
Condom use			
Wight 2002 (males)	SHARE	1.06 [0.80, 1.40]	
Wight 2002 (females)	SHARE	0.97 [0.78, 1.21]	
Long-term programme effect	s (> 12 months)		
Any contraceptive use			
Stephenson 2008 (males)	RIPPLE	0.61 [0.25, 1.47]	
Stephenson 2008 (females)	RIPPLE	1.43 [0.94, 2.18]	
Condom use			
Stephenson 2008 (males)	RIPPLE	0.83 [0.44, 1.57]	
Stephenson 2008 (females)	RIPPLE	0.90 [0.73, 1.11]	
		0.2	0.5 1 2 5 Favours control Favours intervention

# Figure 6. UK SRE studies: Pregnancy outcomes

Study	Programme	Odds Ratio 95% Cl	Odds Ratio 95% Cl
Medium-term programm	e effects (up to 12 mor	nths)	
Unwanted or unintended	pregnancies		
Wight 2002	SHARE	1.05 [0.67, 1.64]	
Long-term programme ef	fects (> 12 months)		
Pregnancy/live births			
Stephenson 2008*	RIPPLE	0.74 [0.47, 1.17]	
Stephenson 2008**	RIPPLE	0.62 [0.42, 0.91]	t
Unwanted or unintended	pregnancies		
Stephenson 2004	RIPPLE	1.40 [0.97, 2.02]	+
Stephenson 2008	RIPPLE	0.69 [0.44, 1.08]	
Abortion			
Stephenson 2008*	RIPPLE	1.19 [0.81, 1.75]	
Stephenson 2008**	RIPPLE	0.56 [0.31, 1.02]	
		<b></b>	
<pre>*routine data; ** self-rep</pre>	port data	0.2	0.5125Favours interventionFavours control5

### Figure 7. Abstinence-only: Ever had sexual intercourse at follow-up



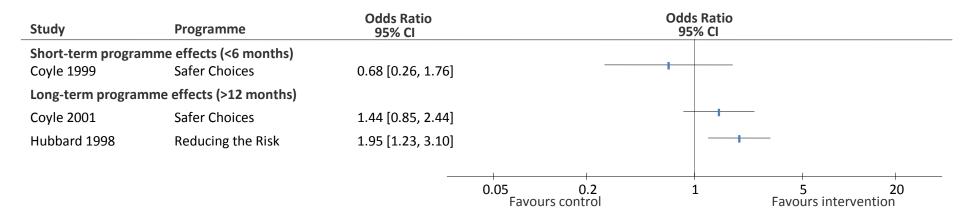
#### Figure 8. Abstinence only: Ever had sexual intercourse at follow-up

Study	Programme	% Difference 95% Cl	% Differ 95% (		
Short-term programme effect	ts (<6 months)				
Denny 2006 (high school)	Sex Can Wait	0.05 [-0.02, 0.12]	-+		
Denny 2006 (middle school)	Sex Can Wait	-0.23 [-0.35, -0.11]	<b> </b>		
Long-term programme effect	s (>12 months)				
Denny 2006 (high school)	Sex Can Wait	-0.10 [-0.21, 0.01]			
Denny 2006 (middle school)	Sex Can Wait	-0.16 [-0.29, -0.03]			
		F			
		-1	-0.5 0 Favours intervention	0.5 Favours control	1

# Figure 9. Abstinence-plus programmes: Initiated sexual intercourse by follow-up

Study		Odds Ratio 95% Cl		Odds Ra 95% C			
Short-term programme	e effects (<6 months)						
Aarons 2000 (females)	Postponing Sexual Involvement	0.48 [0.25, 0.91]		-			
Aarons 2000 (males)	Postponing Sexual Involvement	0.68 [0.37, 1.27]					
Aarons 2000 (females)	Postponing Sexual Involvement	0.56 [0.30, 1.08]					
Aarons 2000 (males)	Postponing Sexual Involvement	1.05 [0.57, 1.96]					
Coyle 1999	Safer Choices	1.13 [0.71, 1.81]					
Medium-term program	me effects (<12 months)						
Aarons 2000 (females)	Postponing Sexual Involvement	0.53 [0.29, 0.98]					
Aarons 2000 (males)	Postponing Sexual Involvement	0.85 [0.44, 1.64]					
Long-term programme	effects (>12 months)						
Coyle 2001	Safer Choices	0.83 [0.54, 1.27]			_		
Hubbard 1998	Reducing the Risk	0.64 [0.39, 1.05]	-				
Kirby 1991	Reducing the Risk	0.76 [0.58, 1.00]					
		0.1	0.2 Eavours i	0.5 1 intervention	<b>2</b> Favours control	5	10

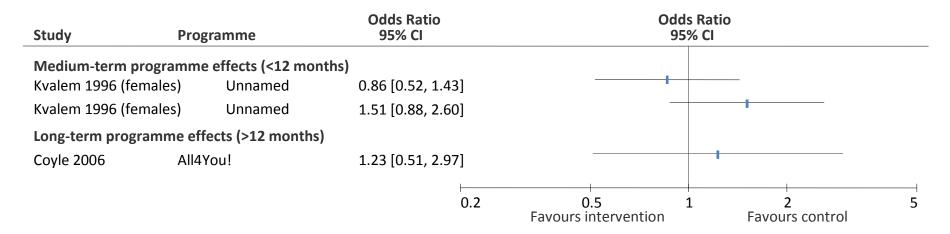
### Figure 10. Abstinence-plus programmes: Contraception use at first intercourse



# Figure 11. Abstinence-plus programmes: Contraceptive use at last intercourse

Study		Odds Ratio 95% Cl			Odds Ratio 95% Cl	
Short-term programme	e effects (<6 months)					
Coyle 1999	Safer Choices*	1.62 [1.05, 2.50]				
Coyle 1999	Safer Choices**	1.91 [1.13, 3.22]				
Aarons 2000 (females)	PSI	3.86 [1.10, 13.51]				
Aarons 2000 (males)	PSI	1.47 [0.64, 3.40]				
Aarons 2000 (females)	PSI	7.43 [1.90, 29.02]				
Aarons 2000 (males)	PSI	1.03 [0.41, 2.60]				
Medium-term program	me effects (<12 months)					
Aarons 2000 (males)	PSI	1.53 [0.55, 4.26]				
Aarons 2000 (females)	PSI	3.39 [1.16, 9.93]				
Long-term programme	effects (>12 months)					
Coyle 2001	Safer Choices*	1.76 [1.01, 3.07]				
Coyle 2001	Safer Choices**	1.68 [1.02, 2.76]				
		—	0.05	0.2 Favours	1 5 s contro Favolurs intervention	20

### Figure 12. HIV & Sexuality programmes: Initiation of sexual activity between baseline and follow-up



# Figure 13. HIV & Sexuality Education programmes: Contraceptive use

Study	Programme	Odds Ratio 95% Cl	Odds Ratio 95% Cl
1) Contraceptive use at last	or most recent inte	ercourse	
Medium-term programme e	ffects (up to 12 mo	nths)	
Condom use			
Coyle 2006 (6 months)	All4You!	2.12 [1.25, 3.59]	
Coyle 2006 (12 months)	All4You!	0.88 [0.50, 1.55]	
Kvalem 1996 (6 months)	Unnamed	2.38 [1.30, 4.36]	
Kvalem 1996 (12 months)	Unnamed	1.75 [0.92, 3.36]	
Any contraceptive			
Coyle 2006 (6 months)	All4You!	1.15 [0.78, 1.70]	
Coyle 2006 (12 months)	All4You!	1.12 [0.75, 1.68]	
Traeen 2003	Unnamed	1.59 [0.73, 3.45]	
Long-term programme effec	ts (>12 months)		
Condom use			
Coyle 2006	All4You!	1.00 [0.49, 2.03]	
Any contraceptive use			
Coyle 2006	All4You!	0.77 [0.49, 1.22]	
2) Ever used a condom			
Medium-term programme e	ffects		
Larsson 2006	Unnamed	1.15 [1.00, 1.32]	
		0.2	0.5 1 2 5
		0.2	Favours control Favours intervention

#### Figure 14. HIV & Sexuality education programmes: Pregnancy since baseline

