

# **Interventions to improve participation amongst underserved population groups in young person and adult national screening programmes in the UK: a systematic review**

## **APPENDIX 6**

### **Summary of included trials by screening programme**

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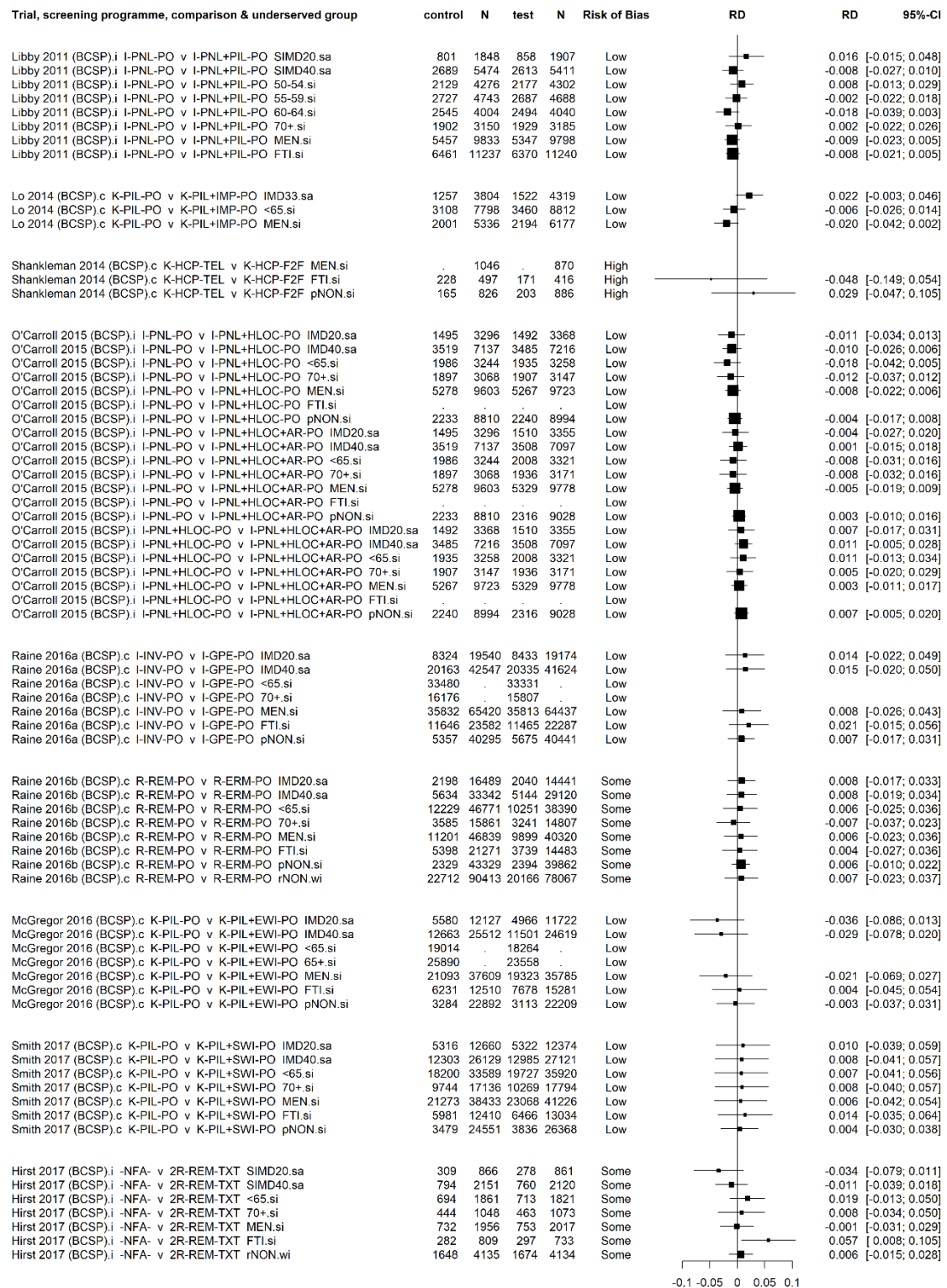
## Abbreviations used in presentation of results

<b>Screening programme</b>		<b>Underserved group</b>		
<b>AAA</b>	Abdominal Aortic Aneurysm	<b>Category</b>	<b>Code</b>	
<b>BCSP</b>	Bowel Cancer Screening Programme	Socioeconomic	<b>IMD20, SIMD20</b>	Most deprived quintile (English IMD or Scottish IMD)
<b>BSS</b>	Bowel Scope Screening		<b>IMD40, SIMD40</b>	Two most deprived quintiles (English IMD or Scottish IMD)
<b>BSP</b>	Breast Screening Programme		<b>IMD33</b>	Most deprived tertile (English)
<b>CSP</b>	Cervical Screening Programmes		<b>SES33</b>	Most deprived tertile (Townsend score or measure not reported)
<b>DES</b>	Diabetic Eye Screening		<b>NoQual</b>	No formal qualifications
			<b>Unemp</b>	Unemployed
			<b>Tenant</b>	Housing status (renting)
<b>Basis of underserved group result</b>		<b>Ethnicity</b>	<b>ETH</b>	Minority ethnicity
.w	whole trial population		<b>ASIAN</b>	Asian family origin
.s	subgroup of whole trial population		<b>PAK</b>	Pakistani family origin
.i	individual demographic		<b>BGD</b>	Bangladeshi family origin
.a	area-based demographic	<b>Age</b>	<b>&lt;65</b>	Under 65
			<b>70+</b>	Over 70
			<b>50-54, 55-60</b>	Age range as specified
		<b>Sex</b>	<b>MEN</b>	Men
		<b>Screening history</b>	<b>FTI</b>	First-time invitee
			<b>pNON</b>	Previous non-attender
			<b>ltNON</b>	Long-term non-attender
		<b>Current screening status</b>	<b>rNON</b>	Recent non-attender (population recruited to trials of reminders)
<b>Intervention description</b>				
<b>Event / stage of screening pathway</b>		<b>Type of intervention</b>		<b>Mode of intervention</b>
<b>I</b>	invitation	<b>NFA</b>	no further action	<b>PO</b> post
<b>A</b>	appointment	<b>INV</b>	standard invite	<b>TEL</b> telephone
<b>K</b>	home test kit	<b>PIL</b>	patient information leaflet	<b>TXT</b> text message
<b>R</b>	reminder	<b>SWI</b>	simplified patient information	<b>F2F</b> face-to-face
<b>2R</b>	second reminder	<b>EWI</b>	enhanced patient information	<b>GP</b> general practice
<b>LT</b>	long-term non-responder	<b>PNL</b>	pre-notification letter	
<b>pre.</b>	prefixes to modify the event	<b>HCP</b>	healthcare professional	
<b>post.</b>	codes where needed	<b>PSY</b>	psychological/barriers	
		<b>AR</b>	anticipated regret	
		<b>REM</b>	(standard) reminder	
		<b>ERM</b>	enhanced reminder	
		<b>Combi</b>	combined invites or leaflets	<b>Other</b>
		<b>GPE</b>	GP endorsed	<b>ICC</b> intra-cluster correlation coefficient
		<b>GPL</b>	GP letter	
		<b>HTK</b>	home test kit	
		<b>IMP</b>	implementation intentions	
		<b>INDIV</b>	tailored to the individual	
		<b>HLOC</b>	health locus of control	
		<b>svy</b>	survey (not an intervention)	
		<b>ann</b>	annual (prefix)	

# 1 Bowel Cancer Screening Programme (BCSP)

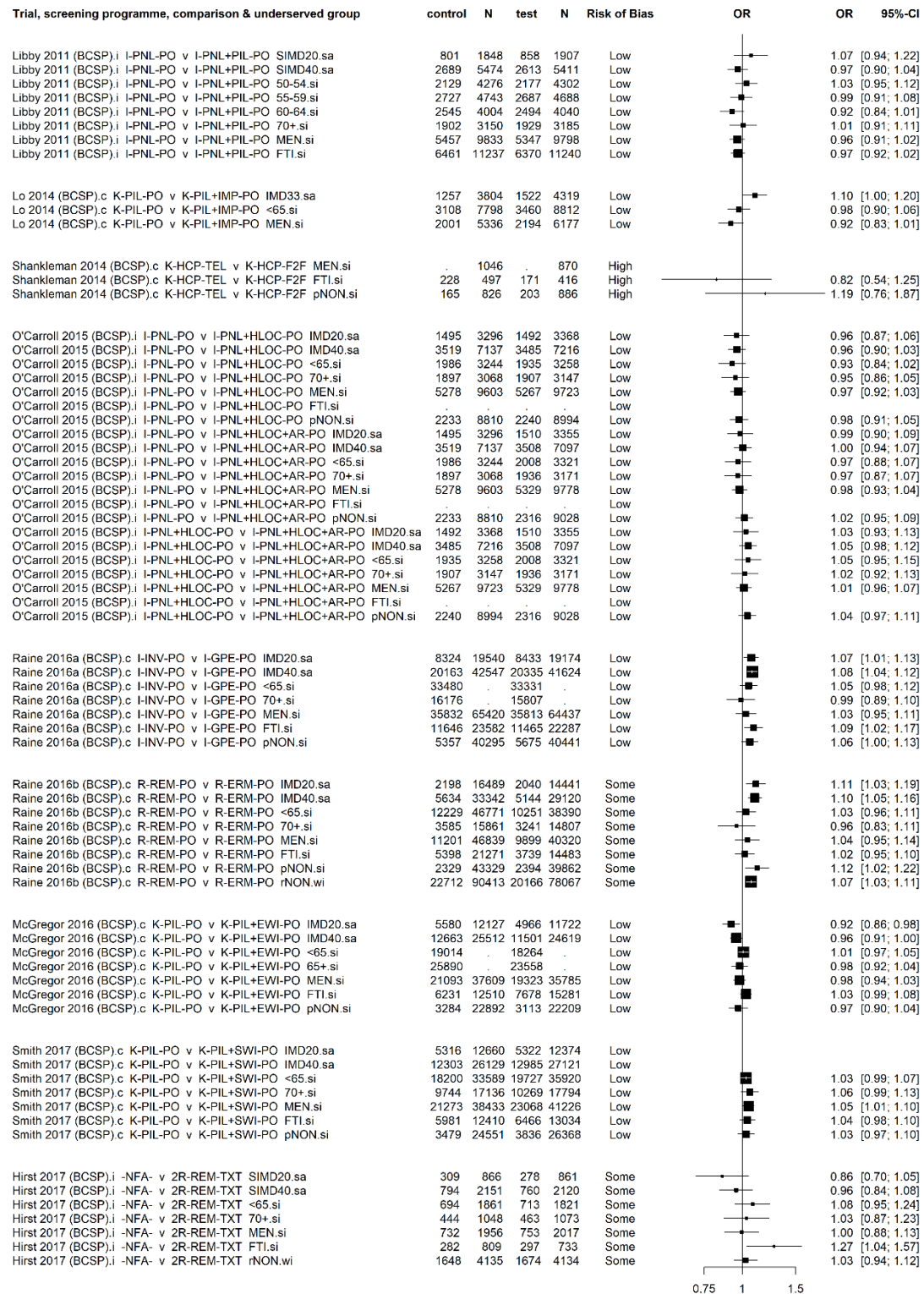
## 1.1 Forest plots (BCSP, sub-grouped by trial)

Figure 1 Risk difference (BCSP, sub-grouped by trial)



Assumes ICC of 0.03 for Raine 2016a, Raine 2016b, Smith 2017, McGregor 2017 and Shankleman 2014 because ICC was not reported (estimate of 0.03 used, based on rounding up ICCs reported by other included cluster trials).

Figure 2 Odds ratio (BCSP, sub-grouped by trial)



For Raine 2016a, Raine 2016b, Smith 2017 and McGregor 2017, adjusted ORs are reported; adjusted OR not reported for Smith 2017 for IMD.

Assumes ICC of 0.03 for Shankleman 2014 because ICC was not reported.

## 2 Bowel Scope Screening (BSS)

### 2.1 Forest plots (BSS, sub-grouped by trial)

Figure 3 Risk difference (BSS, sub-grouped by trial)

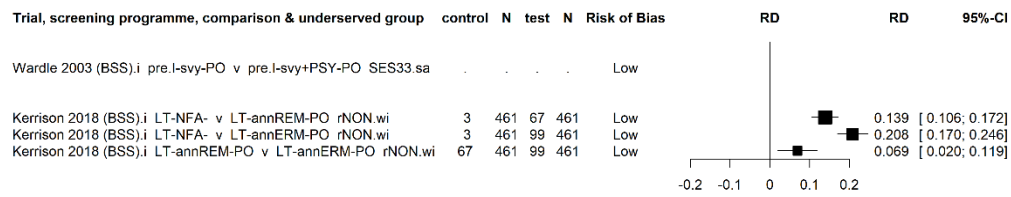
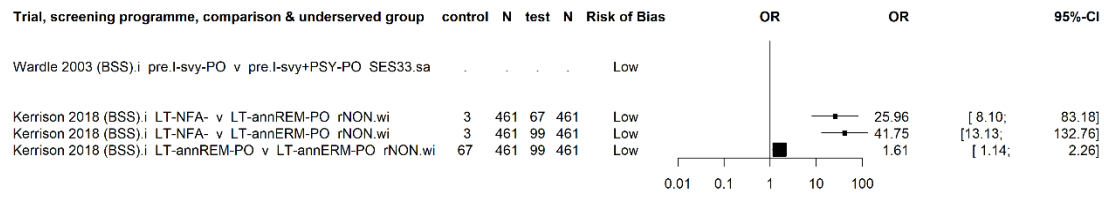
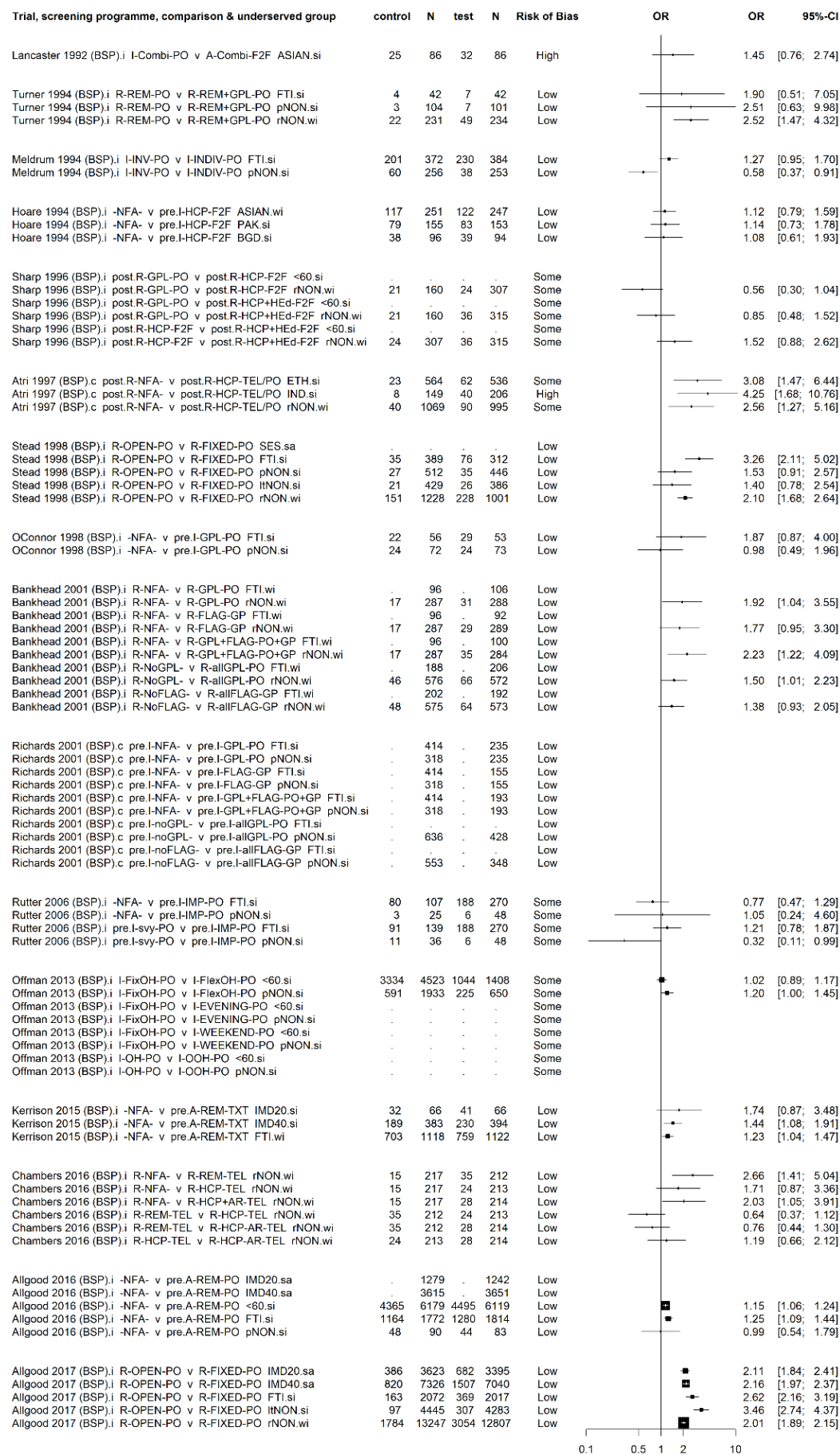


Figure 4 Odds ratio (BSS, sub-grouped by trial)





**Figure 6 Odds ratio (BSP, sub-grouped by trial)**

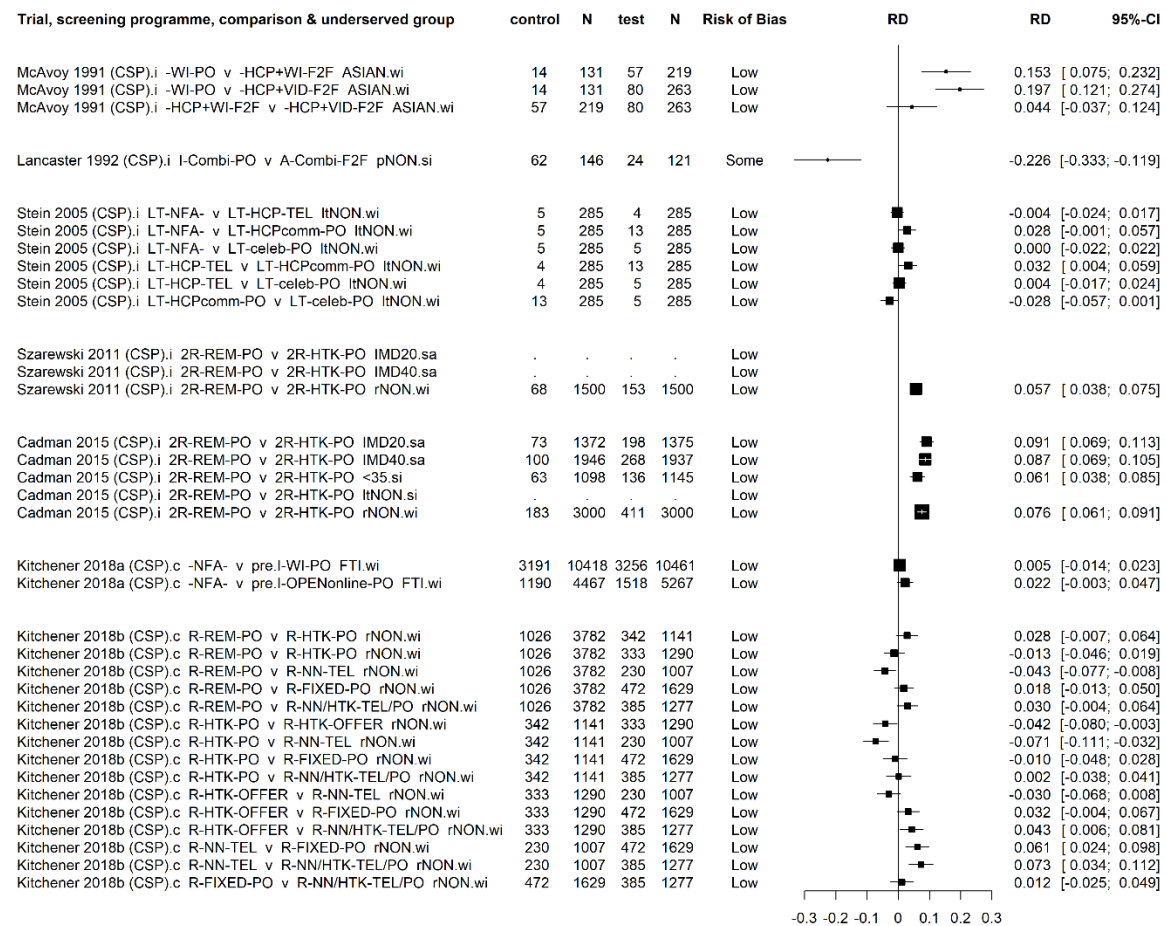


Assumes ICC of 0.03 for Atri 1997 because ICC was not reported (RD and OR plots).

## 4 Cervical Screening Programme (CSP)

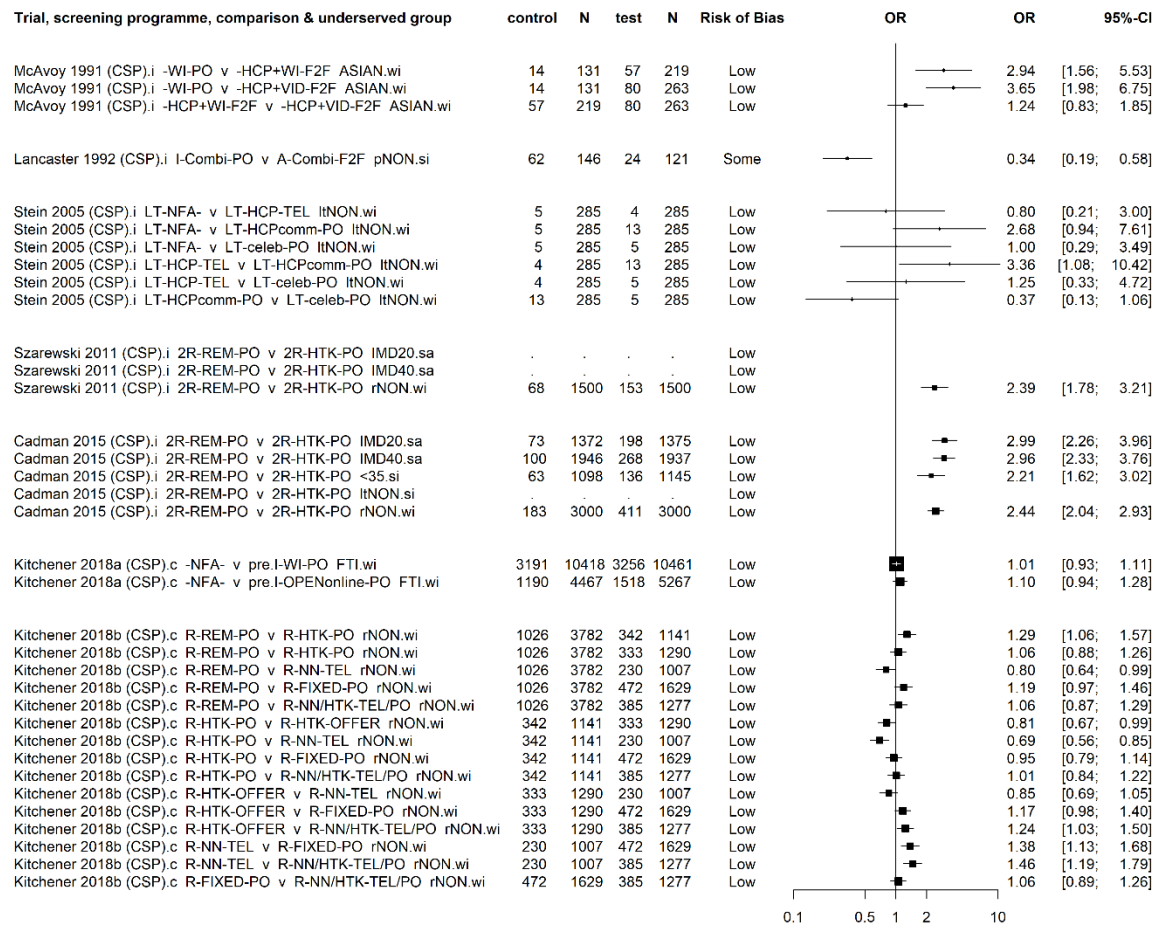
### 4.1 Forest plots (CSP, sub-grouped by trial)

Figure 7 Risk difference (CSP, sub-grouped by trial)





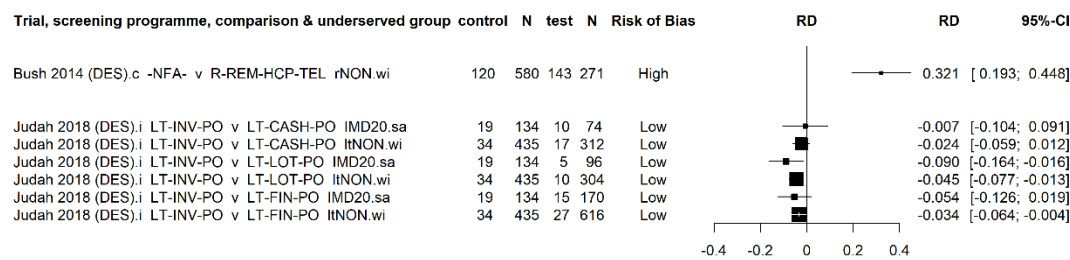
**Figure 8 Odds ratio (CSP, sub-grouped by trial)**



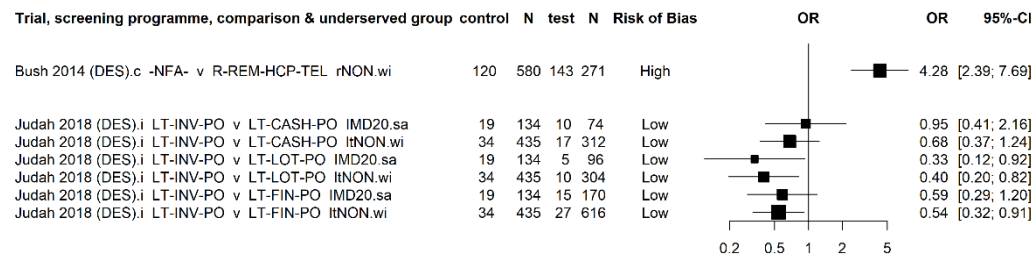
## 5 Diabetic Eye Screening (DES)

### 5.1 Forest plots (DES, sub-grouped by trial)

**Figure 9 Risk difference (DES, sub-grouped by trial)**



**Figure 10 Odds ratio (DES, sub-grouped by trial)**



Assumes ICC of 0.03 for Bush 2014 because ICC was not reported (RD and OR plots).