# Supplementary File 3: Meta-analysis results

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## **Summary of results**

		Any healthcare disruption			Appointments			Prescription/Medication			Procedures/surgery						
		OR	Lower Cl	Upper Cl	l <sup>2</sup> %	OR	Lower Cl	Upper Cl	l <sup>2</sup> %	OR	Lower Cl	Upper Cl	l <sup>2</sup> %	OR	Lower Cl	Upper Cl	l <sup>2</sup> %
Sex																	
	Unadjusted	1.26	1.14	1.39	58.51	1.30	1.12	1.52	73.54	1.33	1.00	1.77	75.15	1.12	0.93	1.36	60.28
Female vs.	Basic adjustment	1.27	1.15	1.40	53.11	1.33	1.17	1.52	60	1.27	0.94	1.74	77.98	1.15	0.97	1.37	47.79
Male	Full adjustment	1.30	1.15	1.46	44.89	1.41	1.10	1.82	0.00	1.18	0.50	2.77	59.02	1.09	0.77	1.55	18.15
	Age																
	Unadjusted	0.77	0.41	1.47	71.12	0.55	0.26	1.20	55.5	1.17	0.34	4.05	86.43	0.48	0.34	0.68	
16-24y vs 45- 54y	Basic adjustment	0.76	0.39	1.46	71.95	0.55	0.24	1.23	58.53	1.09	0.33	3.67	85.53	0.47	0.33	0.66	
	Full adjustment	0.85	0.32	2.24	70.28	0.89	0.18	4.36		4.71	1.40	15.86			no info	rmation	
25-34y vs 45- <b>Bas</b> 54y	Unadjusted	0.87	0.71	1.07	51.9	0.71	0.53	0.96	72.25	1.23	0.75	2.03	74.54	0.78	0.59	1.02	0
	Basic adjustment	0.85	0.70	1.04	47.62	0.67	0.57	0.77	0	1.16	0.68	1.96	76.95	0.77	0.58	1.03	0
,	Full adjustment	0.92	0.74	1.15	43.99	1.21	0.66	2.22		1.18	0.52	2.67	0		no info	rmation	
	Unadjusted	0.93	0.74	1.16	67.57	0.77	0.66	0.89	23.09	1.06	0.75	1.51	57.05	0.99	0.71	1.36	42.96
35-44y vs 45- 54y	Basic adjustment	0.92	0.74	1.15	68.24	0.78	0.65	0.92	35.96	1.04	0.74	1.47	56.72	1.03	0.67	1.58	61.87
,	Full adjustment	1.03	0.81	1.29	59.88	1.03	0.59	1.78		1.25	0.62	2.52	0	1.36	0.93	2.00	0
	Unadjusted	1.16	0.98	1.38	63.54	1.33	1.21	1.47	0	0.79	0.57	1.08	61.08	1.17	0.65	2.10	91.47
55-64y vs 45- 54y	Basic adjustment	1.18	0.99	1.39	64.04	1.35	1.22	1.49	0	0.79	0.57	1.10	65.97	1.18	0.66	2.10	89.83
,	Full adjustment	1.17	1.05	1.29	0	1.55	0.62	3.91	49.89	0.85	0.48	1.52	0		no info	rmation	
	Unadjusted	1.36	1.11	1.67	75.24	1.61	1.46	1.78	0	0.73	0.48	1.11	79.59	1.93	1.67	2.23	0
65-74y vs 45- 54y	Basic adjustment	1.39	1.13	1.72	77.16	1.65	1.49	1.82	0	0.75	0.49	1.16	80.63	1.95	1.68	2.26	0
,	Full adjustment	1.33	1.19	1.49	0	1.98	0.48	8.10	73.94	1.15	0.65	2.04	0	1.57	1.07	2.31	0
	Unadjusted	1.45	0.92	2.29	90.02	1.83	1.59	2.12	0	0.66	0.46	0.94	47.94	2.05	1.59	2.64	28.83
75y+ vs 45- 54y	Basic adjustment	1.50	0.93	2.39	91.23	1.89	1.65	2.17	0	0.69	0.47	1.01	53.79	2.07	1.66	2.59	17.97
J .,	Full adjustment	1.16	0.86	1.58	62.75	1.07	0.44	2.61		0.78	0.39	1.57	1.68	1.75	1.17	2.62	
Et	hnicity																

																	ĺ
Non-White vs	Unadjusted	1.02	0.89	1.18	10.29	0.95	0.72	1.25	56.69	1.36	0.79	2.33	79.57	0.89	0.71	1.12	0
White*	Basic adjustment	1.19	1.05	1.35	0	1.10	0.86	1.39	42.54	1.32	0.82	2.12	71.12	1.14	0.91	1.44	0
	Full adjustment	1.09	0.96	1.25	0	1.15	0.83	1.61	0	1.97	1.08	3.62	0	1.68	0.36	7.76	62.98
	Unadjusted	1.16	0.87	1.55	0	0.95	0.54	1.64	33.95	0.63	0.13	3.06	81.71	0.87	0.58	1.29	0
Black vs White	Basic adjustment	1.38	1.03	1.84	0	1.01	0.54	1.92	49.83	0.64	0.14	2.87	80	1.03	0.68	1.55	0
	Full adjustment	1.15	0.86	1.53	4.01	0.81	0.23	2.83	0	0.37	0.04	3.11		0.87	0.41	1.82	
	Unadjusted	0.97	0.56	1.68	0	0.61	0.28	1.30	12.51	2.34	0.39	14.15	88.19	1.23	0.48	3.15	0
East Asian vs White	Basic adjustment	1.13	0.67	1.90	0	0.80	0.39	1.64	17.46	1.95	0.53	7.24	79.39	1.61	0.61	4.22	0
	Full adjustment	0.96	0.60	1.51	0	1.19	0.26	5.51			no info	rmation			no infor	mation	
	Unadjusted	1.05	0.79	1.38	0	1.02	0.55	1.89	64.07	1.51	0.99	2.30	0	1.05	0.66	1.67	0
Mixed vs White	Basic adjustment	1.24	0.86	1.78	27.61	1.22	0.69	2.15	56.82	1.34	0.82	2.18	16.29	1.34	0.76	2.36	20.19
	Full adjustment	1.25	0.88	1.77	15.86	1.61	0.80	3.22	51.21	0.93	0.10	8.48		0.85	0.32	2.21	
Unadjusted	0.85	0.61	1.18	64.69	0.92	0.59	1.42	67.42	0.99	0.36	2.72	89.3	0.68	0.45	1.04	18	
South Asian vs White	Basic adjustment	1.05	0.84	1.32	28.25	1.11	0.88	1.39	12.68	0.98	0.38	2.54	87.94	0.89	0.64	1.24	0
	Full adjustment	0.93	0.67	1.30	57.84	1.03	0.29	3.63		2.81	1.19	6.63	11.86	1.11	0.62	1.99	
Other	Unadjusted	0.79	0.46	1.34	28.89	0.91	0.58	1.45	0	1.23	0.56	2.67	25.72	0.84	0.20	3.48	44.62
Ethnicity vs	Basic adjustment	0.90	0.49	1.63	44.27	1.07	0.68	1.68	0	1.45	0.81	2.60	0	0.95	0.23	4.03	52.56
White	Full adjustment	0.82	0.45	1.50	35.18	1.97	1.08	3.62	0.00	3.74	0.39	35.91			no infor	mation	
Edu	ucation																
A-	Unadjusted	1.04	0.91	1.17	58.16	1.03	0.91	1.17	42.88	0.94	0.77	1.15	21.54	0.84	0.55	1.29	88.56
level/equival ent vs Higher	Basic adjustment	1.08	0.97	1.20	38.7	1.07	0.99	1.16	0	1.02	0.82	1.28	27.13	0.87	0.58	1.30	85.92
education/De	Full adjustment	1.01	0.92	1.11	0	0.97	0.76	1.25	0	1.61	0.63	4.12	59.22	1.03	0.82	1.29	0
gree GCSE/equival	Unadjusted	0.99	0.92	1.11	62.23	1.03	0.76	1.12	0	0.98	0.03	1.27	53.81	1.03	0.82	1.16	0
ent vs Higher	Basic adjustment	1.00	0.87	1.14	59.18	1.03 1.01	0.93	1.12	15.22	1.04	0.73 <b>0.77</b>	1.39	62.34	1.05	0.91	1.18	0
education/De gree	Full adjustment	0.91	0.81	1.02	48.6	0.86	0.66	1.12	0	1.01	0.63	1.61	1.57	0.82	0.64	1.05	0
<gcse equiv<="" td=""><td>Unadjusted</td><td>1.06</td><td>0.88</td><td>1.28</td><td>76.55</td><td>1.09</td><td>0.92</td><td>1.29</td><td>52.88</td><td>1.07</td><td>0.03</td><td>1.54</td><td>69.78</td><td>1.45</td><td>1.28</td><td>1.64</td><td>0</td></gcse>	Unadjusted	1.06	0.88	1.28	76.55	1.09	0.92	1.29	52.88	1.07	0.03	1.54	69.78	1.45	1.28	1.64	0
alent vs Higher	Basic adjustment																
education/De gree	Full adjustment	<b>1.05</b> 0.87	<b>0.91</b> 0.75	<b>1.21</b> 1.00	<b>53.17</b> 34.17	<b>1.01</b> 0.90	<b>0.86</b> 0.54	<b>1.18</b> 1.50	<b>42.42</b> 58.54	<b>1.17</b> 1.17	<b>0.82</b> 0.39	<b>1.67</b> 3.49	<b>63.42</b> 60.69	<b>1.26</b> 1.53	<b>1.11</b> 0.34	<b>1.44</b> 6.85	<b>0</b> 71.25
_	tional class																

Intermediate vs	Unadjusted	1.08	1.00	1.16	0	1.01	0.91	1.14	22.79	1.09	0.83	1.42	41.19	1.19	1.05	1.34	0
Managerial/A	Basic adjustment	1.07	0.99	1.15	0	1.01	0.93	1.10	0	1.10	0.88	1.38	26.19	1.16	1.03	1.31	0
dmin/Professi	Full adjustment																
onal		1.00	0.92	1.08	0	1.01	0.78	1.30	0	0.73	0.34	1.61	0	0.78	0.42	1.47	48.08
Manual/Routi ne vs	Unadjusted	1.13	1.03	1.23	12.12	1.04	0.90	1.20	36.16	1.38	1.16	1.64	0	1.11	0.91	1.35	25.25
Managerial/A	Basic adjustment	1.17	1.08	1.27	0	1.07	0.93	1.23	28.46	1.36	1.11	1.67	8.93	1.17	1.03	1.33	0
dmin/Professi	Full adjustment																
onal	•	1.02	0.93	1.12	0	1.10	0.84	1.44	6.05	0.51	0.18	1.43	23.27	0.92	0.56	1.50	20.63
Other social class vs	Unadjusted	1.47	1.02	2.13	89.12	1.41	1.08	1.84	66.23	2.16	1.30	3.57	76.1	1.71	0.94	3.10	87.16
Managerial/A	Basic adjustment	1.51	1.12	2.04	79.69	1.46	1.16	1.84	47.81	2.45	1.72	3.50	45.5	1.81	1.17	2.80	73.85
dmin/Professi onal	Full adjustment	1.19	1.00	1.43	39.12	1.30	0.85	1.99	0.00	1.42	0.13	15.78	76.18	0.94	0.69	1.27	

Basic adjustment: sex, age, and ethnicity (where available)

Full adjustment: sex, age, and ethnicity (where available) education, occupational class, UK Nation (where appropriate), household composition, and pre-pandemic self-reported health.

Empty I<sup>2</sup>% column indicates only one study included

<sup>\*</sup>Binary variable including Black, East Asian, Mixed, South Asian, and other ethnicity in 'non-White'

## **Summary of stratified results**

		Any healthcare disruption					
Sex		OR	Lower CI	Upper CI	12%		
	Overall	1.27	1.15	1.40	53.11		
	Not shielding	1.26	1.12	1.43	61.12		
	Shielding	1.37	1.15	1.63	0		
	16-24y	2.22	1.63	3.02	0		
Female vs. Male	25-34y	1.56	1.30	1.87	0		
	35-44y	1.51	1.23	1.86	0		
	45-54	1.72	1.35	2.18	36.61		
	55-64	1.09	0.92	1.30	59.58		
	75+	1.08	0.90	1.30	20		
Ago	75+	OR	Lower CI	Upper CI	12%		
Age	Overall				71.95		
16-24y vs 45-54y	Overall Not shielding	0.76 0.79	0.39 0.40	1.46 1.56	70.32		
10-24y VS 43-34y	Shielding	0.79	0.40	1.78	70.32		
	Overall	0.85	0.23	1.78	47.62		
25-34y vs 45-54y	Not shielding	0.85	0.70	1.04	43.4		
23-34y V3 43-34y	Shielding	1.09	0.70	1.95	43.4		
	Overall	0.92	0.74	1.15	68.24		
35-44y vs 45-54y	Not shielding	0.95	0.74	1.21	68.26		
33 11, 13 13 3 1,	Shielding	0.68	0.34	1.34	47.41		
	Overall	1.18	0.99	1.39	64.04		
55-64y vs 45-54y	Not shielding	1.21	1.02	1.43	53.82		
	Shielding	1.24	0.87	1.77	0		
	Overall	1.39	1.13	1.72	77.16		
65-74y vs 45-54y	Not shielding	1.44	1.20	1.72	64.1		
	Shielding	1.11	0.79	1.56	0		
	Overall	1.50	0.93	2.39	91.23		
75y+ vs 45-54y	Not shielding	1.61	1.17	2.22	79.38		
	Shielding	0.83	0.51	1.37	32.84		
Ethnicity		OR	Lower Cl	Upper CI	12%		
	Overall	1.19	1.05	1.35	0		
	Not shielding	1.06	0.86	1.31	41.46		
	Shielding	1.62	1.08	2.43	0		
Non-White vs	16-24y	1.30	0.89	1.89	0		
White*	25-34y	0.92	0.65	1.29	36.48		
	35-44y	1.31	1.01	1.71	0		
	45-54	1.61	1.16	2.22	0		
	55-64	1.13	0.85	1.50	0		

Not shielding   1.38   1.03   1.84   0   Not shielding   1.60   0.67   3.83   0   0.80   0.43   1.49   58.06   16.24y   1.15   0.51   2.59   0   0   0.67   3.83   0   0.80   0.43   1.48   0   0   0.67   3.83   0   0.82   0.40   1.68   0   0.67   0.81   4.48   0   0.85   0.82   0.40   1.68   0   0.85		75+	1.28	0.67	2.45	0
Shielding   1.60   0.67   3.83   0   16-24y   1.15   0.51   2.59   0   0   16-24y   1.15   0.51   2.59   0   0   1.68   25-34y   0.82   0.40   1.68   0   0.67   3.83   0   0.85   0.82   0.40   1.68   0   0.85   0.84   0.85		Overall	1.38	1.03	1.84	0
Black vs White		Not shielding	0.80	0.43	1.49	58.06
Black vs White		Shielding	1.60	0.67	3.83	0
35-44y   1.91   0.81   4.48   0   45-54   1.99   0.93   4.25   15.25   55-64   1.69   1.00   2.84   0   75+   1.23   0.42   3.56   0   0   0   0.5   0.54   1.68   0   0.05   0.54   1.68   0   0.05   0.54   1.68   0   0.05   0.54   0.05   0.54   0.05   0.54   0.05   0.05   0.54   0.05		16-24y	1.15	0.51	2.59	0
Mixed vs White   Mixe	Black vs White	25-34y	0.82	0.40	1.68	0
S5-64   1.69   1.00   2.84   0   75+   1.23   0.42   3.56   0   0   0   0   0.5   0.54   1.68   0   0   0.55   0.54   0.67   0.55   0.54   0.67   0.55   0.54   0.67   0.55   0.54   0.67   0.55   0.54   0.67   0.55   0.54   0.67   0.55   0.54   0.67   0.55   0.54   0.67   0.55   0.54   0.67   0.00   0.05   0.55   0.54   0.62   0.20   0.92   0.05   0.54   0.56   0.05   0.54   0.56   0.05   0.54   0.56   0.05   0.54   0.56   0.05   0.54   0.56   0.05   0.54   0.56   0.05   0.54   0.56   0.05   0		35-44y	1.91	0.81	4.48	0
1.23   0.42   3.56   0		45-54	1.99	0.93	4.25	15.25
Not shielding		55-64	1.69	1.00	2.84	0
Not shielding   16-24y   0.01   0.00   0.05   0.00		75+	1.23	0.42	3.56	0
Shielding   16-24y   0.01   0.00   0.05		Overall	1.13	0.67	1.90	0
East Asian vs White         16-24y 16-24y 16-3         0.01 0.00 0.00 19-2         0.00 19-2         0.00 0.00 0.00 19-2         0.00 0.00 0.00 19-2         0.00 0.00 0.00 19-2         0.00 0.00 0.00 0.00 19-2         0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		Not shielding	0.95	0.54	1.68	0
East Asian vs White         25-34y         0.62         0.20         1.92         0           35-44y         1.63         0.80         3.32         0           45-54         1.75         0.54         5.64         0           55-64         0.96         0.43         2.15         0           Overall         1.24         0.86         1.78         27.61           Not shielding         1.18         0.85         1.77         0           Shielding         1.85         0.71         4.77         0           Mixed vs White         25-34y         1.26         0.79         2.02         0           45-54         0.92         0.46         1.87         0           45-54         0.92         0.46         1.87         0           45-54         0.92         0.46         1.87         0           75+         1.47         0.34         6.42         22.46           75+         1.47         0.34         6.42         22.46           75+         1.47         0.34         6.42         22.46           8         0.62         1.53         15.3         35.03           9		Shielding		no informatio	n	
Mixed vs White   1.63		16-24y	0.01	0.00	0.05	
A5-54 55-64 55-64 55-64 55-64 55-64 69-60 0.43 2.15 0.00	East Asian vs White	25-34y	0.62	0.20	1.92	0
S5-64   0.96   0.43   2.15   0   75+		35-44y	1.63	0.80	3.32	0
Not shielding   1.18		45-54	1.75		5.64	0
Overall         1.24         0.86         1.78         27.61           Not shielding         1.18         0.85         1.62         0           Shielding         1.85         0.71         4.77         0           16-24y         2.50         1.25         5.02         0           Mixed vs White         25-34y         1.26         0.79         2.02         0           35-44y         1.15         0.23         5.69         73.12         73.1		55-64	0.96	0.43	2.15	0
Not shielding   1.18   0.85   1.62   0	_				n	
Shielding   1.85   0.71   4.77   0   16-24y   2.50   1.25   5.02   0   0   0   0.79   2.02   0   0   0.79   2.02   0   0   0.79   2.02   0   0   0.79   0.20   0   0   0.79   0.20   0   0   0.79   0.20   0   0   0.79   0.20   0   0   0.75   0.23   5.69   73.12   0.75   0.92   0.46   1.87   0   0   0.53   0.11   0   0   0.53   0.11   0   0   0.53   0.11   0   0   0.53   0.11   0   0   0.53   0.11   0   0.53   0.11   0   0.54   0.55   0.84   0.32   0.246   0.98   0.75   0.28		Overall	1.24	0.86	1.78	27.61
Mixed vs White 25-34y 1.26 0.79 2.02 0  35-44y 1.15 0.23 5.69 73.12  45-54 0.92 0.46 1.87 0  55-64 1.06 0.53 2.11 0  75+ 1.47 0.34 6.42 22.46  Not shielding 0.98 0.75 1.28 35.03  Shielding 1.44 0.87 2.38 0  16-24y 0.98 0.62 1.53 13.95  South Asian vs White 25-34y 0.80 0.38 1.71 74.73  35-44y 1.11 0.80 1.55 10.1  45-54 1.67 0.43 6.48 82  55-64 0.82 0.44 1.56 14.81  75+ 1.11 0.40 3.12 0  Overall 0.90 0.49 1.63 44.27  Not shielding 0.85 0.45 1.62 43.11  Other Ethnicity vs White Shielding 0.75 0.11 4.96 10.15  White 16-24y 0.18 0.00 15.35 88.56		Not shielding	1.18	0.85	1.62	0
Mixed vs White 25-34y 1.26 0.79 2.02 0 35-44y 1.15 0.23 5.69 73.12 45-54 0.92 0.46 1.87 0 55-64 1.06 0.53 2.11 0 75+ 1.47 0.34 6.42 22.46  Not shielding 0.98 0.75 1.28 35.03 Shielding 1.44 0.87 2.38 0 16-24y 0.98 0.62 1.53 13.95  South Asian vs White 25-34y 0.80 0.38 1.71 74.73 35-44y 1.11 0.80 1.55 10.1 45-54 1.67 0.43 6.48 82 55-64 0.82 0.44 1.56 14.81 75+ 1.11 0.40 3.12 0  Overall 0.90 0.49 1.63 44.27  Not shielding 0.85 0.45 1.62 43.11 Other Ethnicity vs White Shielding 0.85 0.45 1.62 43.11 Other Ethnicity vs Shielding 0.75 0.11 4.96 10.15 White 16-24y 0.18 0.00 15.35 88.56		Shielding	1.85	0.71	4.77	0
35-44y		16-24y	2.50	1.25	5.02	0
A5-54   0.92   0.46   1.87   0	Mixed vs White	25-34y	1.26	0.79	2.02	0
S5-64		35-44y	1.15	0.23	5.69	73.12
75+         1.47         0.34         6.42         22.46           Overall Not shielding Not shielding Shielding 1.44         0.87         1.28         35.03           Shielding 1.44         0.87         2.38         0           16-24y 0.98         0.62         1.53         13.95           South Asian vs White 25-34y 0.80         0.38         1.71         74.73           35-44y 1.11 0.80 1.55 10.1         45-54         1.67 0.43 6.48 82         82           55-64 0.82 0.44 1.56 14.81         55-64 0.82 0.44 1.56 14.81         14.81           75+ 1.11 0.40 3.12 0         0         0         0.49 1.63 44.27           Other Ethnicity vs White Shielding 0.85 0.45 1.62 43.11         0.40 1.55 0.11 4.96 10.15           White Shielding 0.75 0.11 4.96 10.15         0.00 15.35 88.56		45-54	0.92	0.46	1.87	0
Overall Not shielding Shielding Shielding I.44         0.87         1.28         35.03           South Asian vs White         25-34y         0.98         0.62         1.53         13.95           South Asian vs White         25-34y         0.80         0.38         1.71         74.73           35-44y         1.11         0.80         1.55         10.1           45-54         1.67         0.43         6.48         82           55-64         0.82         0.44         1.56         14.81           75+         1.11         0.40         3.12         0           Overall         0.90         0.49         1.63         44.27           Not shielding White         0.75         0.11         4.96         10.15           White         16-24y         0.18         0.00         15.35         88.56		55-64	1.06	0.53	2.11	0
Not shielding		75+	1.47	0.34	6.42	22.46
Shielding 1.44 0.87 2.38 0 16-24y 0.98 0.62 1.53 13.95 South Asian vs White 25-34y 0.80 0.38 1.71 74.73 35-44y 1.11 0.80 1.55 10.1 45-54 1.67 0.43 6.48 82 55-64 0.82 0.44 1.56 14.81 75+ 1.11 0.40 3.12 0  Overall 0.90 0.49 1.63 44.27  Not shielding 0.85 0.45 1.62 43.11 Other Ethnicity vs White Shielding 0.75 0.11 4.96 10.15 White 16-24y 0.18 0.00 15.35 88.56		Overall	1.05	0.84	1.32	28.25
South Asian vs White 25-34y 0.80 0.38 1.71 74.73 35-44y 1.11 0.80 1.55 10.1 45-54 1.67 0.43 6.48 82 55-64 0.82 0.44 1.56 14.81 75+ 1.11 0.40 3.12 0 Overall 0.90 0.49 1.63 44.27 Not shielding 0.85 0.45 1.62 43.11 White Shielding 0.75 0.11 4.96 10.15 White 16-24y 0.18 0.00 15.35 88.56		Not shielding	0.98	0.75	1.28	35.03
South Asian vs White 25-34y 0.80 0.38 1.71 74.73 35-44y 1.11 0.80 1.55 10.1 45-54 1.67 0.43 6.48 82 55-64 0.82 0.44 1.56 14.81 75+ 1.11 0.40 3.12 0 Overall 0.90 0.49 1.63 44.27 Not shielding 0.85 0.45 1.62 43.11 White Shielding 0.75 0.11 4.96 10.15 White 16-24y 0.18 0.00 15.35 88.56		Shielding	1.44	0.87	2.38	0
35-44y		16-24y	0.98	0.62	1.53	13.95
45-54       1.67       0.43       6.48       82         55-64       0.82       0.44       1.56       14.81         75+       1.11       0.40       3.12       0         Other Ethnicity vs White       Not shielding       0.85       0.45       1.62       43.11         16-24y       0.18       0.00       15.35       88.56	South Asian vs White	25-34y	0.80	0.38	1.71	74.73
55-64         0.82         0.44         1.56         14.81           75+         1.11         0.40         3.12         0           Other Ethnicity vs White         Not shielding         0.85         0.45         1.62         43.11           000         0.75         0.11         4.96         10.15           16-24y         0.18         0.00         15.35         88.56		35-44y	1.11	0.80	1.55	10.1
75+         1.11         0.40         3.12         0           Overall Ov		45-54	1.67	0.43	6.48	82
Overall Overall Overall Overall Overall Not shielding Overall White         Overall Not shielding Overall Over		55-64	0.82	0.44	1.56	14.81
Other Ethnicity vs White         Not shielding Shielding 16-24y         0.85 0.75         0.45 0.11         1.62 43.11         43.11 4.96         10.15 10.15           88.56		75+	1.11	0.40	3.12	0
Other Ethnicity vs         Shielding         0.75         0.11         4.96         10.15           White         16-24y         0.18         0.00         15.35         88.56		Overall	0.90	0.49	1.63	44.27
White Shielding 0.75 0.11 4.96 10.15 16-24y 0.18 0.00 15.35 88.56	O	Not shielding	0.85	0.45	1.62	43.11
16-24y 0.18 0.00 15.35 88.56		Shielding	0.75	0.11	4.96	10.15
25-34y 0.80 0.31 2.08 49.28	vviiite	16-24y	0.18	0.00	15.35	88.56
		25-34y	0.80	0.31	2.08	49.28

i					
	35-44y	1.41	0.58	3.40	0
	45-54	1.74	0.56	5.45	29.75
	55-64	0.77	0.27	2.22	0
	75+	4.18	0.35	50.04	
Educatio	n	OR	Lower CI	Upper CI	12%
	Overall	1.08	0.97	1.20	38.7
	Not shielding	1.09	0.96	1.23	39.28
	Shielding	0.95	0.74	1.22	0
A-level/equivalent vs	16-24y	1.33	0.93	1.90	0
Higher	25-34y	0.99	0.69	1.42	62.16
education/Degree	35-44y	1.62	1.28	2.05	0
	45-54	1.13	0.96	1.34	0
	55-64	1.01	0.89	1.14	0
	75+	0.96	0.65	1.40	57.49
	Overall	1.00	0.87	1.14	59.18
	Not shielding	0.99	0.84	1.17	64.95
	Shielding	0.80	0.62	1.04	0
GCSE/equivalent vs Higher education/Degree	16-24y	0.94	0.49	1.81	64.06
	25-34y	1.24	0.80	1.94	69.1
	35-44y	1.26	0.97	1.63	0
	45-54	1.16	0.83	1.62	62.52
	55-64	1.03	0.91	1.17	0
	75+	0.92	0.65	1.30	35.17
	Overall	1.05	0.91	1.21	53.17
	Not shielding	1.02	0.88	1.19	46.14
	Shielding	0.87	0.68	1.11	0
<gcse equivalent="" td="" vs<=""><td>16-24y</td><td>0.77</td><td>0.47</td><td>1.28</td><td>11.51</td></gcse>	16-24y	0.77	0.47	1.28	11.51
Higher	25-34y	0.99	0.67	1.45	42.2
education/Degree	35-44y	1.03	0.74	1.43	0
	45-54	1.48	1.08	2.04	34.96
	55-64	1.20	1.03	1.41	0
	75+	0.96	0.78	1.20	0
Occupationa	l class	OR	Lower CI	Upper CI	12%
	Overall	1.07	0.99	1.15	0
	Not shielding	1.07	0.98	1.16	0
Internacialists	Shielding	0.87	0.65	1.16	7.88
Intermediate vs Managerial/Admin/P	16-24y	0.92	0.60	1.41	0
rofessional	25-34y	1.04	0.84	1.29	10.79
roressional	35-44y	1.28	0.92	1.78	46.81
	45-54	1.12	0.94	1.33	0
	55-64	1.01	0.86	1.19	22.02

	75+	1.00	0.76	1.33	0
	Overall	1.17	1.08	1.27	0
	Not shielding	1.18	1.07	1.29	0
	Shielding	0.93	0.71	1.21	0
Manual/Routine vs	16-24y	1.15	0.77	1.71	0
Managerial/Admin/P	25-34y	1.11	0.80	1.55	50.55
rofessional	35-44y	1.24	0.95	1.63	0
	45-54	1.08	0.90	1.30	0
	55-64	1.16	1.00	1.35	0
	75+	1.27	0.96	1.67	0
	Overall	1.51	1.12	2.04	79.69
	Not shielding	1.48	1.04	2.09	83.37
	Shielding	0.89	0.39	2.07	78.87
Other social class vs	16-24y	1.02	0.46	2.26	58.35
Managerial/Admin/P	25-34y	1.85	1.29	2.64	0
rofessional	35-44y	1.44	0.55	3.80	68.27
	45-54	2.05	0.98	4.29	85.15
	55-64	1.65	1.21	2.27	60.63
	75+	1.02	0.62	1.69	0

Adjusted for sex, age, and ethnicity (where available)

Empty I<sup>2</sup>% column indicates only one study included

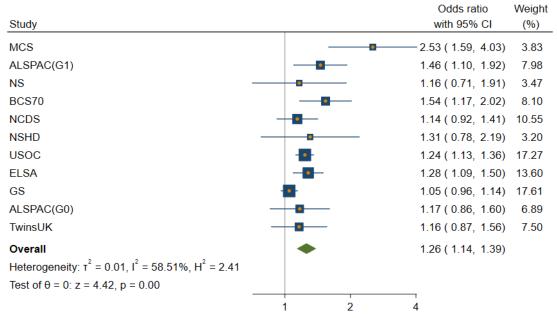
<sup>\*</sup>Binary variable including Black, East Asian, Mixed, South Asian, and other ethnicity in 'non-White'

## Any healthcare disruption

### Sex Unadjusted

#### Any healthcare disruption Female vs male

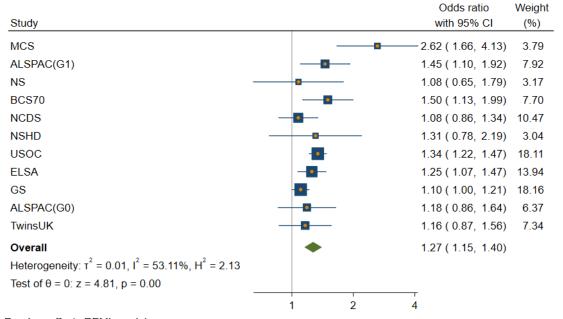
unadjusted



## Basic adjustment

#### Any healthcare disruption Female vs male

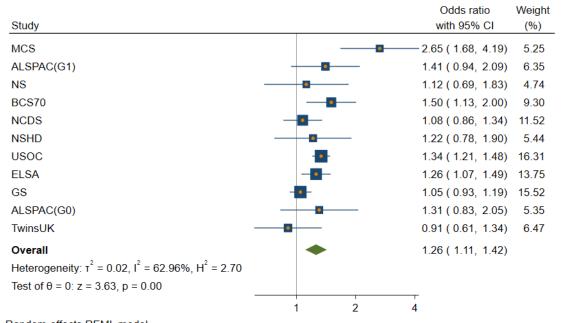
basic adjustment



## Full adjustment

#### Any healthcare disruption Female vs male

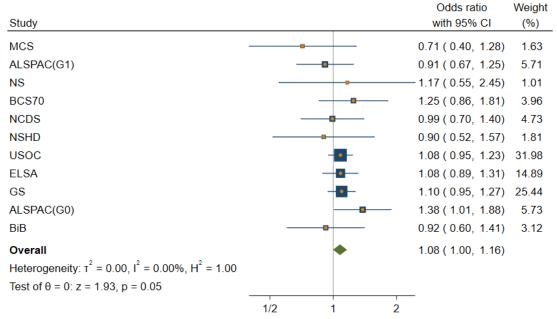
full adjustment



## Occupational class <u>Unadjusted</u>

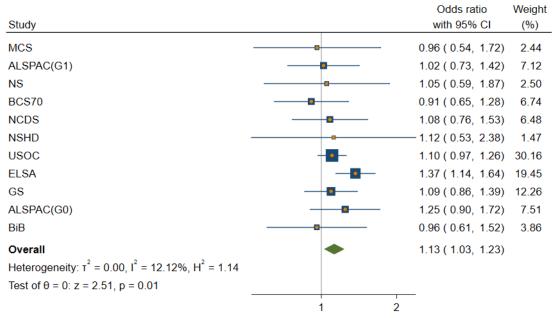
#### Any healthcare disruption Intermediate vs Managerial/Admin/Professional

### unadjusted



# Any healthcare disruption Manual/Routine vs Managerial/Admin/Professional

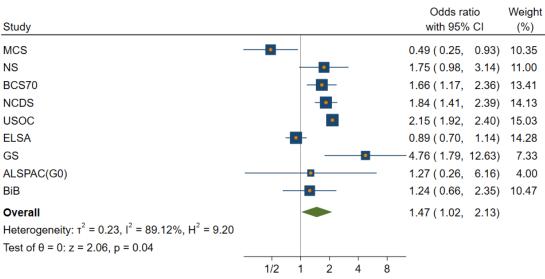
unadjusted



Random-effects REML model

#### Any healthcare disruption Other social class vs Managerial/Admin/Professional

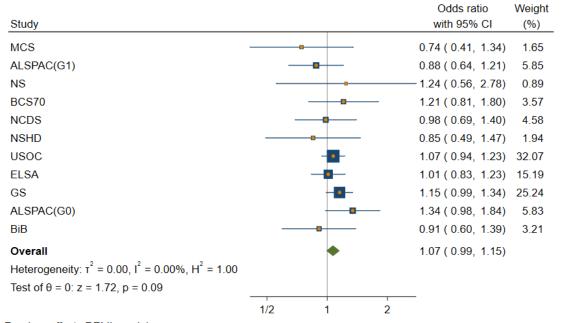
unadjusted



## Basic adjustment

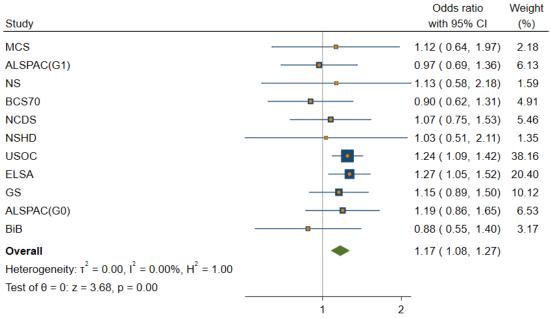
#### Any healthcare disruption Intermediate vs Managerial/Admin/Professional

basic adjustment



#### Any healthcare disruption Manual/Routine vs Managerial/Admin/Professional

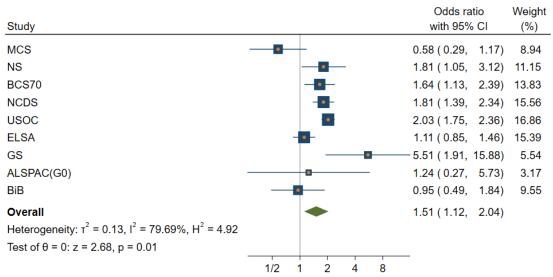
basic adjustment



Random-effects REML model

# Any healthcare disruption Other social class vs Managerial/Admin/Professional

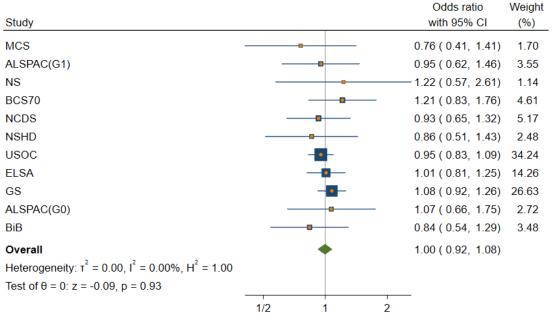
basic adjustment



## Full adjustment

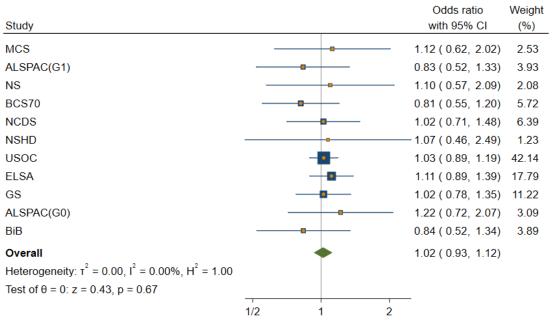
### Any healthcare disruption Intermediate vs Managerial/Admin/Professional

full adjustment



#### Any healthcare disruption Manual/Routine vs Managerial/Admin/Professional

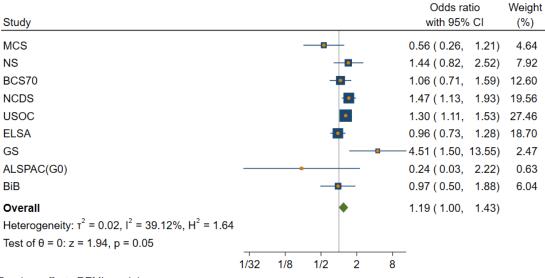
full adjustment



Random-effects REML model

#### Any healthcare disruption Other social class vs Managerial/Admin/Professional

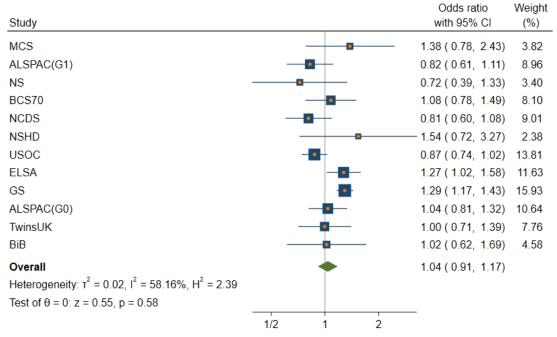
full adjustment



# Education Unadjusted

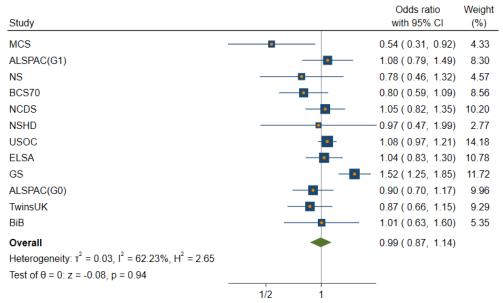
# Any healthcare disruption A-level/equivalent vs Higher education/Degree

#### unadjusted



## Any healthcare disruption GCSE/equivalent vs Higher education/Degree

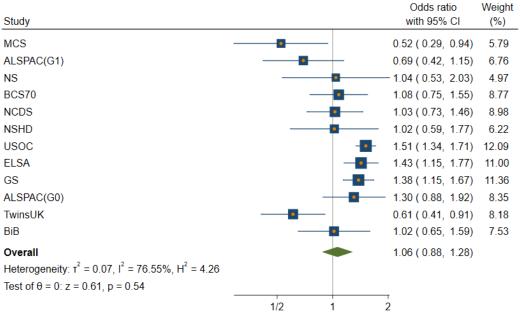
#### unadjusted



Random-effects REML model

#### Any healthcare disruption <GCSE/equivalent vs Higher education/Degree

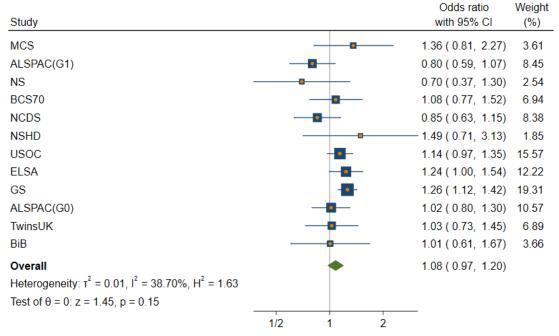
#### unadjusted



## Basic adjustment

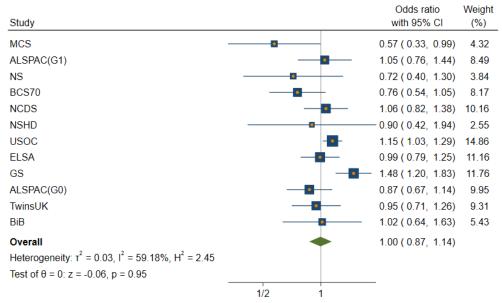
# Any healthcare disruption A-level/equivalent vs Higher education/Degree

#### basic adjustment



## Any healthcare disruption GCSE/equivalent vs Higher education/Degree

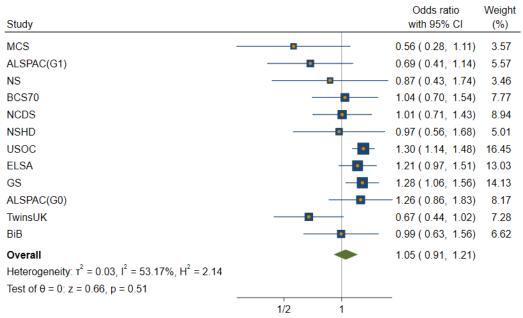
#### basic adjustment



Random-effects REML model

#### Any healthcare disruption <GCSE/equivalent vs Higher education/Degree

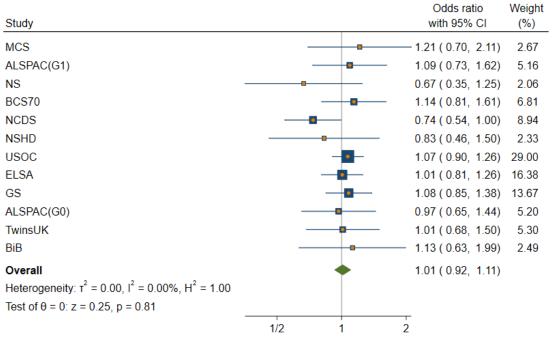
#### basic adjustment



## Full adjustment

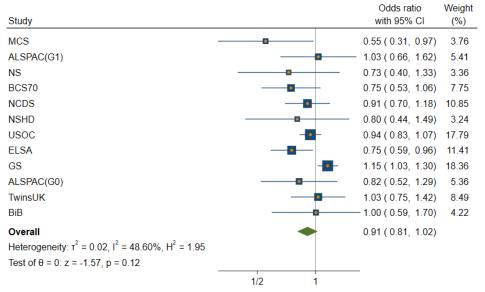
# Any healthcare disruption A-level/equivalent vs Higher education/Degree

#### full adjustment



# Any healthcare disruption GCSE/equivalent vs Higher education/Degree

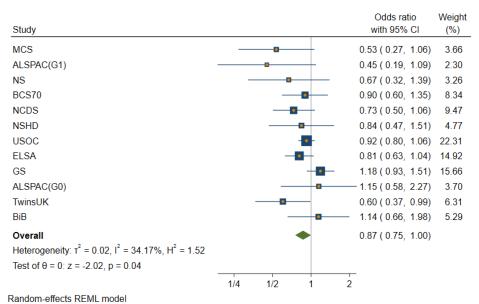
#### full adjustment



Random-effects REML model

#### Any healthcare disruption <GCSE/equivalent vs Higher education/Degree

#### full adjustment

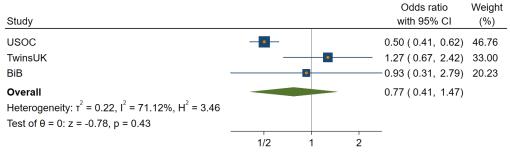


24

### Age Unadjusted

# Any healthcare disruption 16-24y vs 45-54y

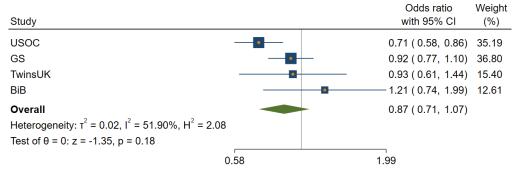
unadjusted



#### Random-effects REML model

# Any healthcare disruption 25-34y vs 45-54y

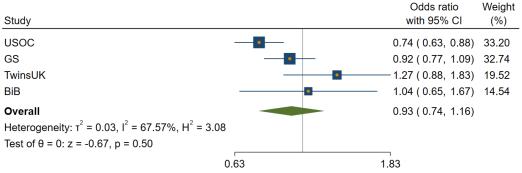
unadjusted



#### Random-effects REML model

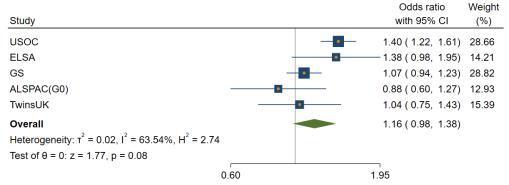
# Any healthcare disruption 35-44y vs 45-54y

unadjusted



## Any healthcare disruption 55-64y vs 45-54y

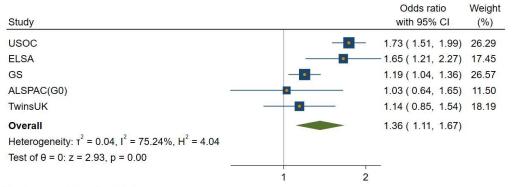
unadjusted



Random-effects REML model

# Any healthcare disruption 65-74y vs 45-54y

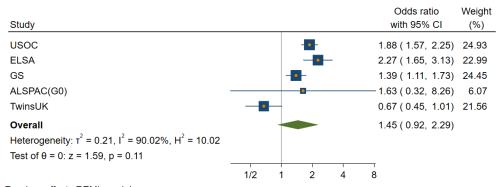
unadjusted



Random-effects REML model

# Any healthcare disruption 75y+ vs 45-54y

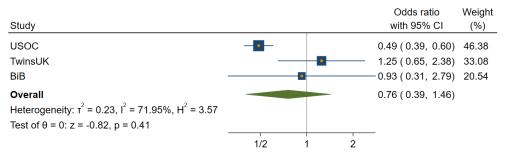
unadjusted



## Basic adjustment

## Any healthcare disruption 16-24y vs 45-54y

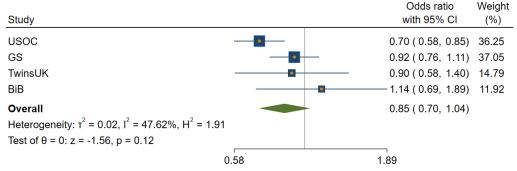
basic adjustment



Random-effects REML model

# Any healthcare disruption 25-34y vs 45-54y

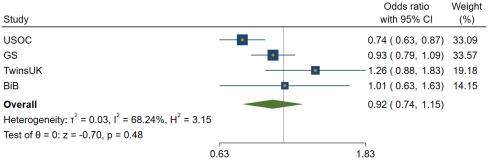
basic adjustment



Random-effects REML model

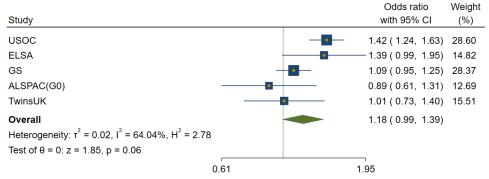
# Any healthcare disruption 35-44y vs 45-54y

basic adjustment



## Any healthcare disruption 55-64y vs 45-54y

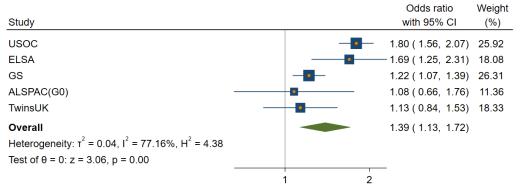
basic adjustment



Random-effects REML model

# Any healthcare disruption 65-74y vs 45-54y

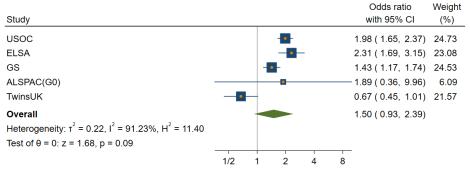
basic adjustment



### Random-effects REML model

# Any healthcare disruption 75y+ vs 45-54y

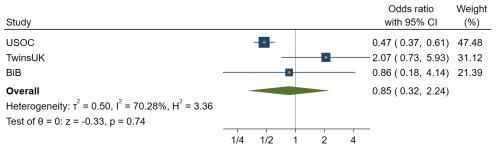
basic adjustment



### Full adjustment

## Any healthcare disruption 16-24y vs 45-54y

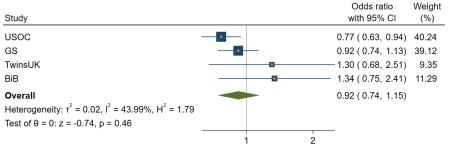
full adjustment



Random-effects REML model

## Any healthcare disruption 25-34y vs 45-54y

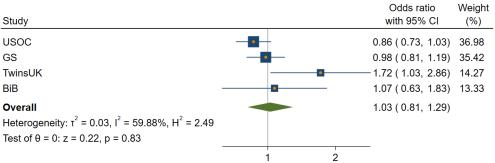
full adjustment



Random-effects REML model

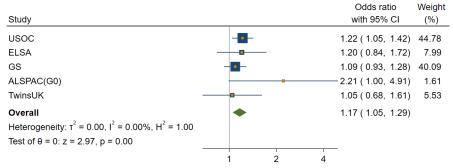
# Any healthcare disruption 35-44y vs 45-54y

full adjustment



## Any healthcare disruption 55-64y vs 45-54y

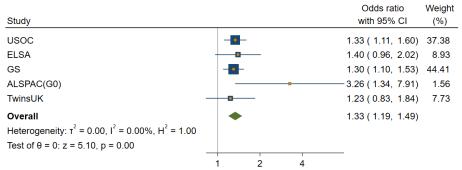
full adjustment



Random-effects REML model

# Any healthcare disruption 65-74y vs 45-54y

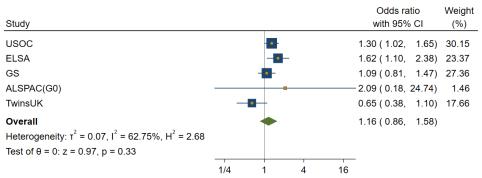
full adjustment



Random-effects REML model

# Any healthcare disruption 75y+ vs 45-54y

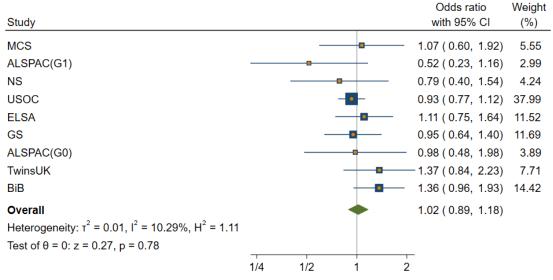
full adjustment



# Ethnicity Unadjusted

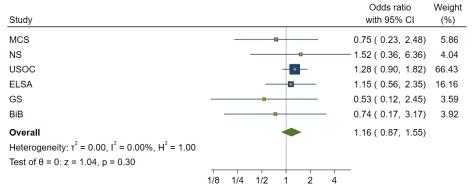
### Any healthcare disruption Non-White vs White

unadjusted



# Any healthcare disruption Black vs White

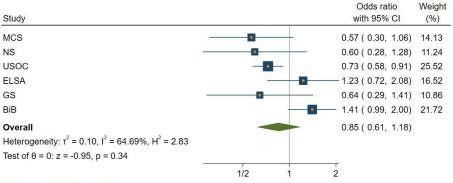
unadjusted



Random-effects REML model

#### Any healthcare disruption South Asian vs White

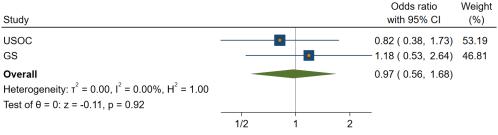
unadjusted



Random-effects REML model

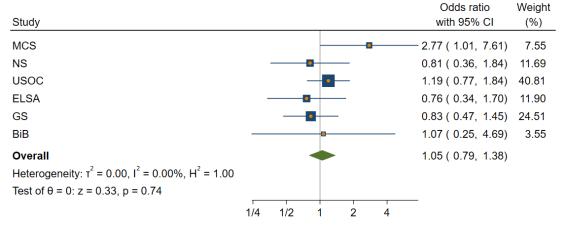
#### Any healthcare disruption East Asian vs White

unadjusted



#### Any healthcare disruption Mixed vs White

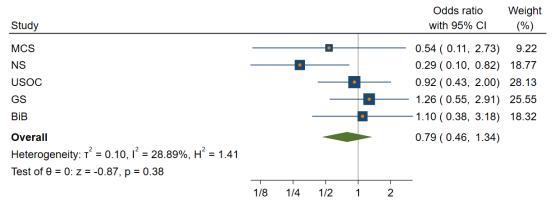
unadjusted



Random-effects REML model

### Any healthcare disruption Other Ethnicity vs White

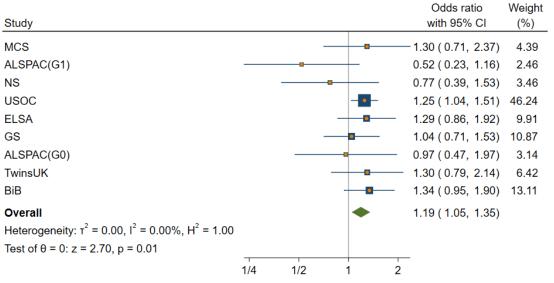
unadjusted



## Basic adjustment

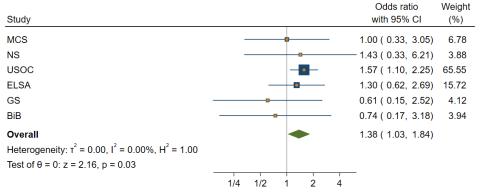
### Any healthcare disruption Non-White vs White

basic adjustment



## Any healthcare disruption Black vs White

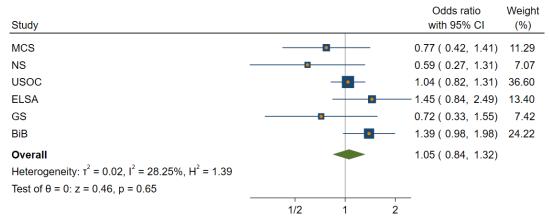
basic adjustment



Random-effects REML model

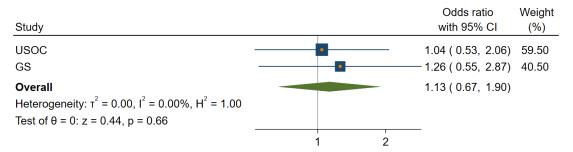
# Any healthcare disruption South Asian vs White

basic adjustment



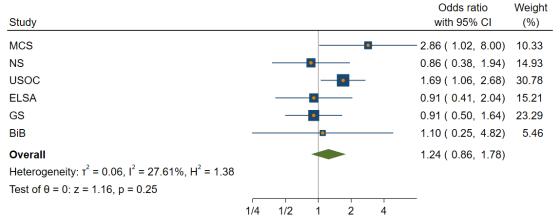
### Any healthcare disruption East Asian vs White

basic adjustment



## Any healthcare disruption Mixed vs White

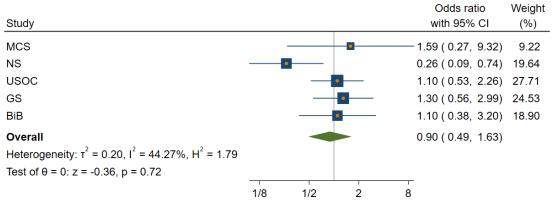
basic adjustment



Random-effects REML model

#### Any healthcare disruption Other Ethnicity vs White

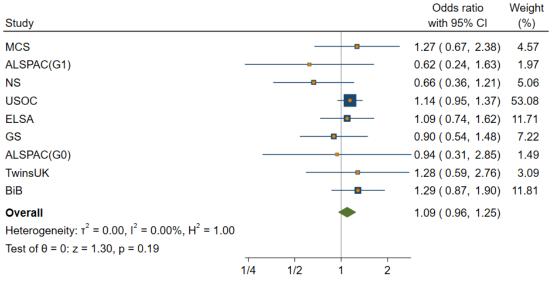
basic adjustment



## Full adjustment

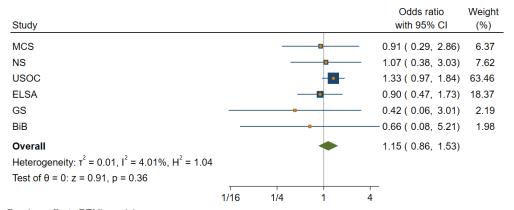
### Any healthcare disruption Non-White vs White

full adjustment



#### Any healthcare disruption Black vs White

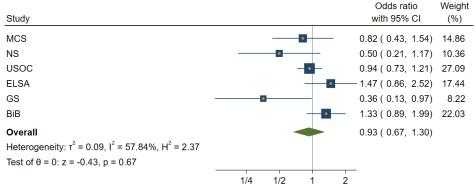
full adjustment



Random-effects REML model

## Any healthcare disruption South Asian vs White

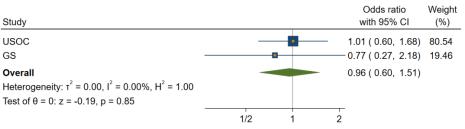
full adjustment



Random-effects REML model

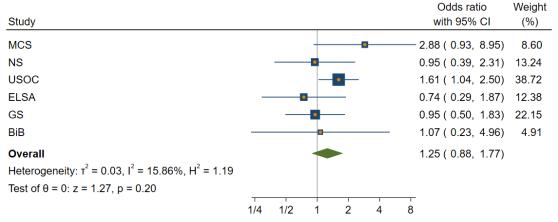
#### Any healthcare disruption East Asian vs White

full adjustment



#### Any healthcare disruption Mixed vs White

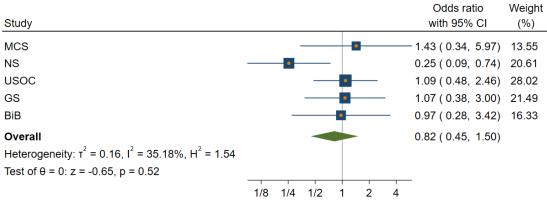
full adjustment



Random-effects REML model

### Any healthcare disruption Other Ethnicity vs White

full adjustment

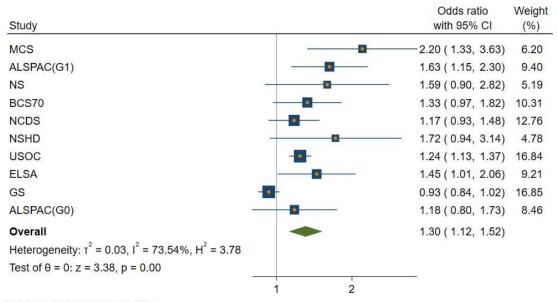


## **Appointments**

### Sex Unadjusted

#### Appointments Female vs male

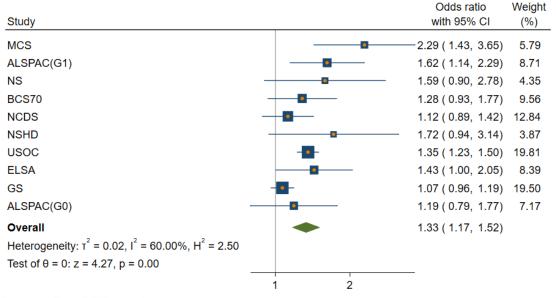
unadjusted



## Basic adjustment

#### Appointments Female vs male

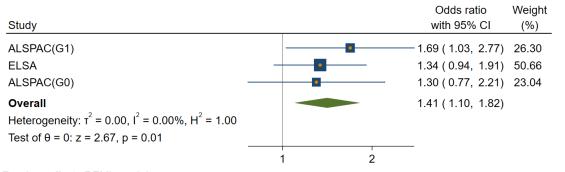
basic adjustment



## Full adjustment

## Appointments Female vs male

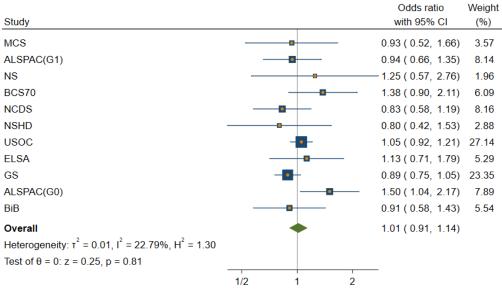
full adjustment



### Occupational class <u>Unadjusted</u>

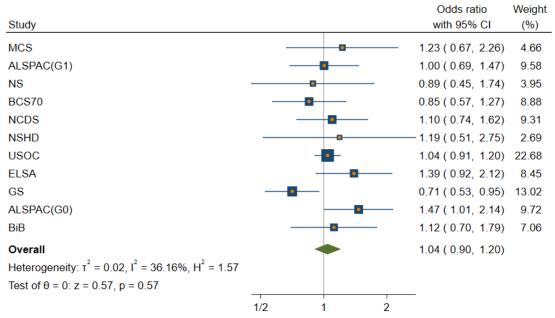
#### Appointments Intermediate vs Managerial/Admin/Professional

unadjusted



#### Appointments Manual/Routine vs Managerial/Admin/Professional

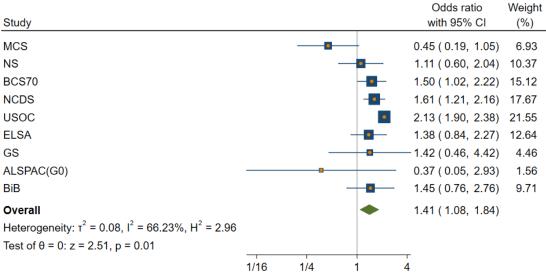
unadjusted



Random-effects REML model

# Appointments Other social class vs Managerial/Admin/Professional

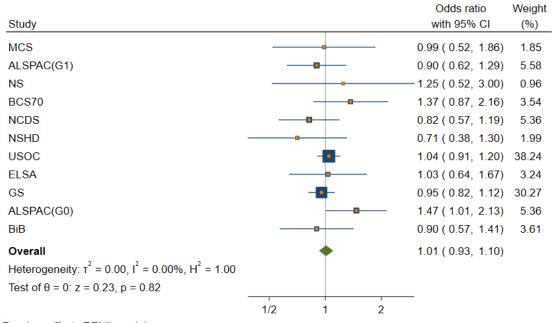
unadjusted



## Basic adjustment

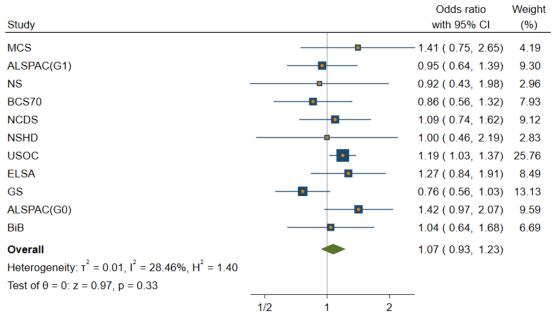
#### Appointments Intermediate vs Managerial/Admin/Professional

basic adjustment



#### Appointments Manual/Routine vs Managerial/Admin/Professional

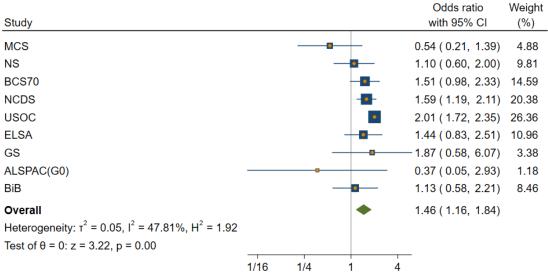
basic adjustment



Random-effects REML model

## Appointments Other social class vs Managerial/Admin/Professional

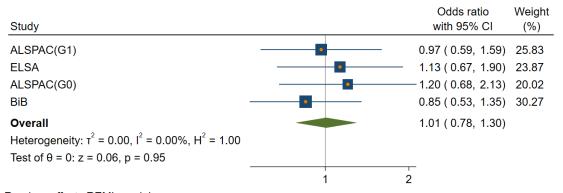
basic adjustment



## Full adjustment

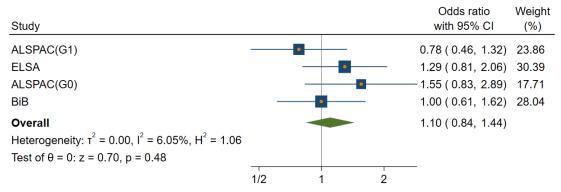
# Appointments Intermediate vs Managerial/Admin/Professional

full adjustment



#### Appointments Manual/Routine vs Managerial/Admin/Professional

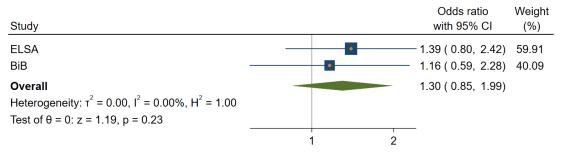
full adjustment



Random-effects REML model

## Appointments Other social class vs Managerial/Admin/Professional

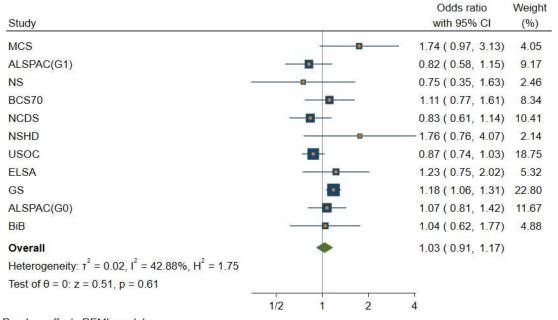
full adjustment



# Education Unadjusted

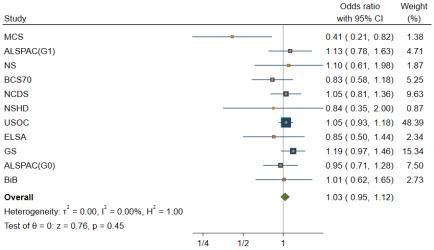
# Appointments A-level/equivalent vs Higher education/Degree

unadjusted



## Appointments GCSE/equivalent vs Higher education/Degree

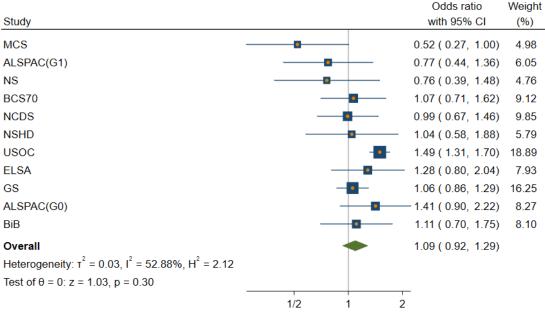
unadjusted



Random-effects REML model

## Appointments <GCSE/equivalent vs Higher education/Degree

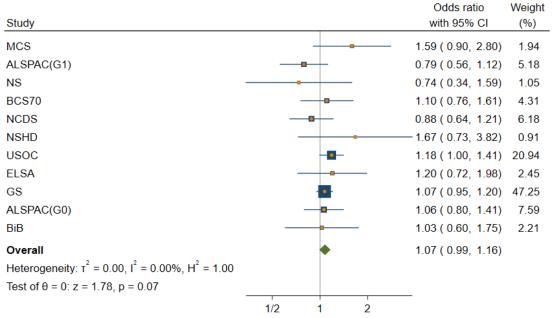
unadjusted



## Basic adjustment

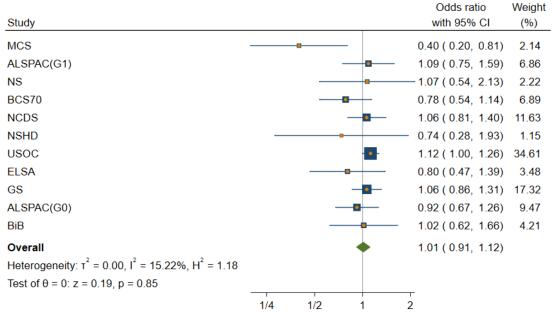
## Appointments A-level/equivalent vs Higher education/Degree

basic adjustment



## Appointments GCSE/equivalent vs Higher education/Degree

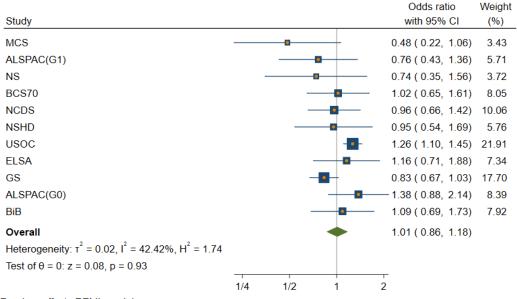
basic adjustment



Random-effects REML model

#### Appointments <GCSE/equivalent vs Higher education/Degree

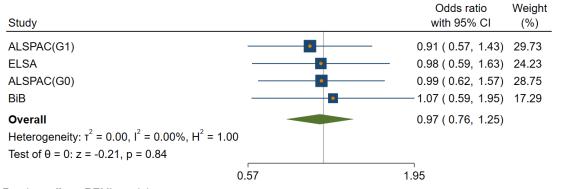
basic adjustment



## Full Adjustment

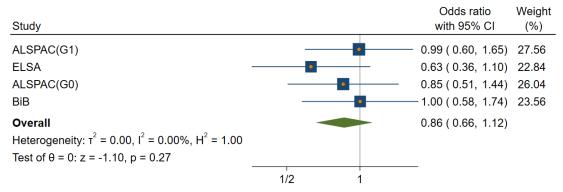
# Appointments A-level/equivalent vs Higher education/Degree

full adjustment



## Appointments GCSE/equivalent vs Higher education/Degree

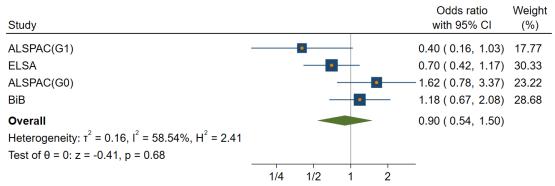
full adjustment



Random-effects REML model

## Appointments <GCSE/equivalent vs Higher education/Degree

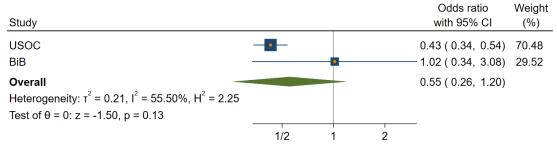
full adjustment



### Age Unadjusted

#### Appointments 16-24y vs 45-54y

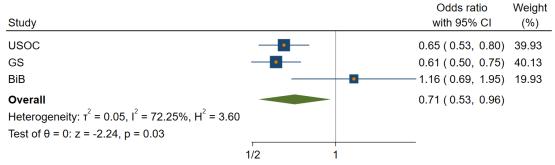
unadjusted



#### Random-effects REML model

### Appointments 25-34y vs 45-54y

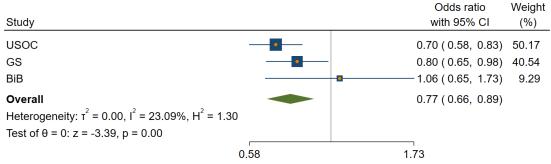
unadjusted



#### Random-effects REML model

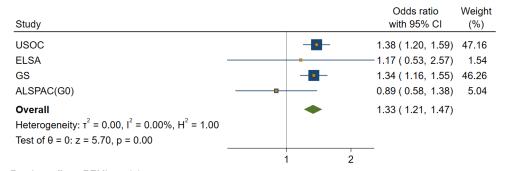
### Appointments 35-44y vs 45-54y

unadjusted



#### Appointments 55-64y vs 45-54y

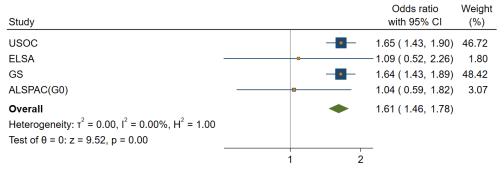
unadjusted



Random-effects REML model

#### Appointments 65-74y vs 45-54y

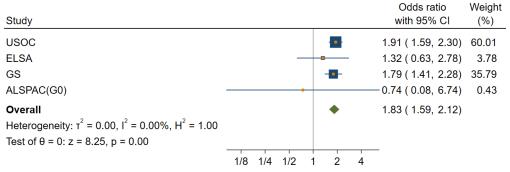
unadjusted



Random-effects REML model

#### Appointments 75y+ vs 45-54y

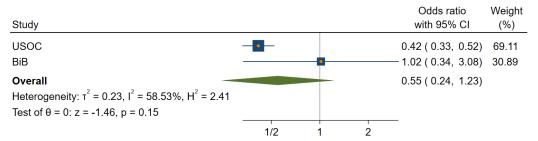
unadjusted



## Basic adjustment

#### Appointments 16-24y vs 45-54y

basic adjustment



Random-effects REML model

### Appointments 25-34y vs 45-54y

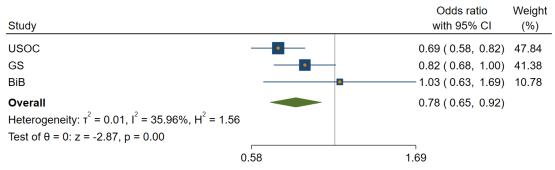
basic adjustment

		Odds ratio	Weight
Study		with 95% CI	(%)
USOC	•	0.64 ( 0.52, 0.79)	52.11
GS	•	0.63 ( 0.50, 0.80)	39.85
BiB		1.10 ( 0.65, 1.87)	8.04
Overall		0.67 ( 0.57, 0.77)	
Heterogeneity: $\tau^2 = 0.00$ , $I^2 = 0.00\%$ , $H^2 = 1.00$	)		
Test of $\theta$ = 0: z = -5.30, p = 0.00			
	1/2	1	

Random-effects REML model

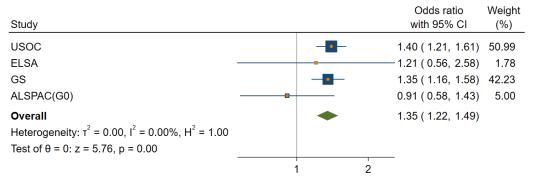
### Appointments 35-44y vs 45-54y

basic adjustment



#### Appointments 55-64y vs 45-54y

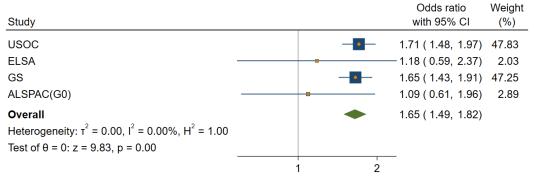
basic adjustment



Random-effects REML model

#### Appointments 65-74y vs 45-54y

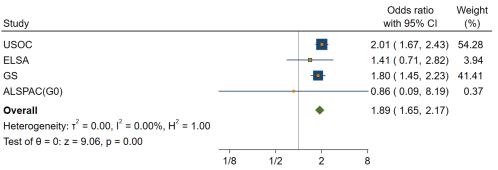
basic adjustment



Random-effects REML model

#### Appointments 75y+ vs 45-54y

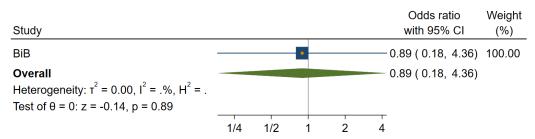
basic adjustment



## Full adjustment

### Appointments 16-24y vs 45-54y

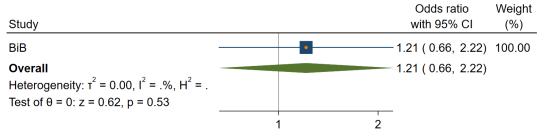
full adjustment



Random-effects REML model

## Appointments 25-34y vs 45-54y

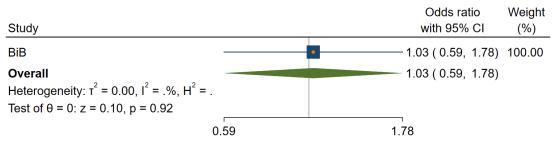
full adjustment



Random-effects REML model

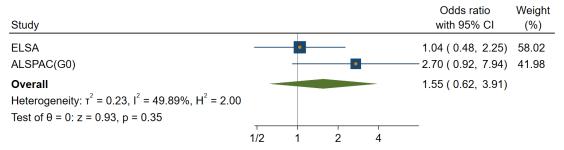
## Appointments 35-44y vs 45-54y

full adjustment



## Appointments 55-64y vs 45-54y

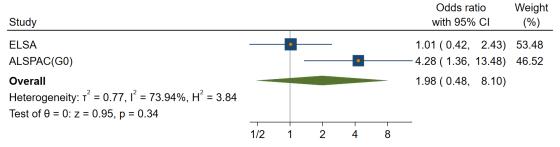
full adjustment



Random-effects REML model

## Appointments 65-74y vs 45-54y

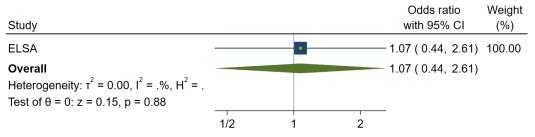
full adjustment



Random-effects REML model

## Appointments 75y+ vs 45-54y

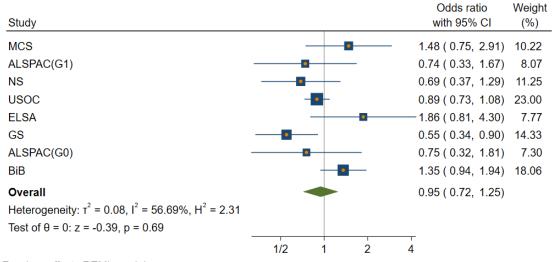
full adjustment



# Ethnicity Unadjusted

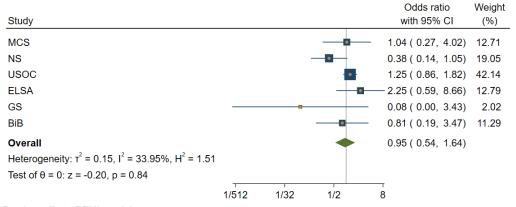
### Appointments Non-White vs White

unadjusted



#### Appointments Black vs White

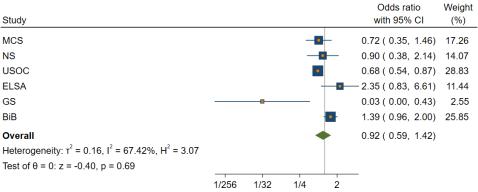
unadjusted



Random-effects REML model

#### Appointments South Asian vs White

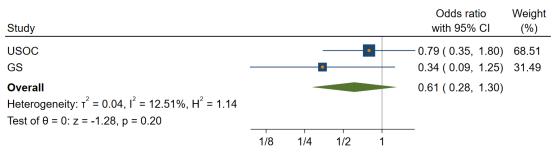
unadjusted



Random-effects REML model

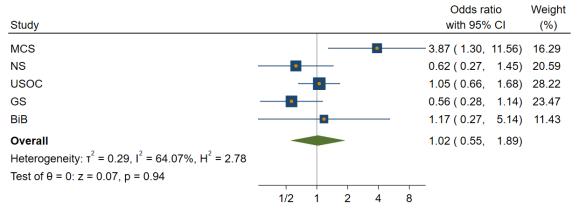
#### Appointments East Asian vs White

unadjusted



#### Appointments Mixed vs White

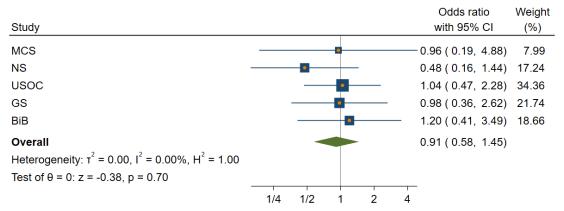
unadjusted



Random-effects REML model

## Appointments Other Ethnicity vs White

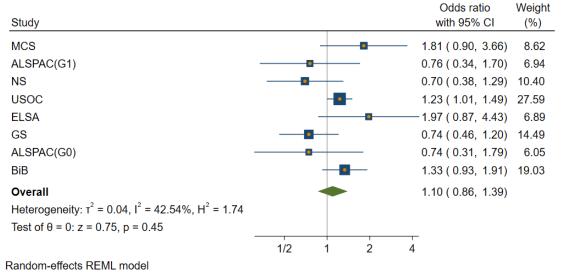
unadjusted



## Basic adjustment

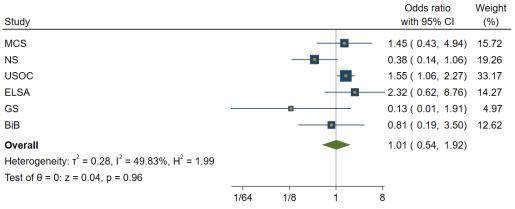
# Appointments Non-White vs White

basic adjustment



#### Appointments Black vs White

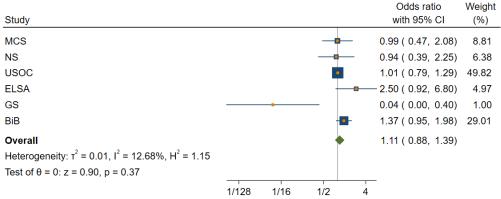
basic adjustment



#### Random-effects REML model

#### Appointments South Asian vs White

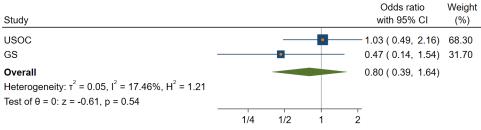
basic adjustment



### Random-effects REML model

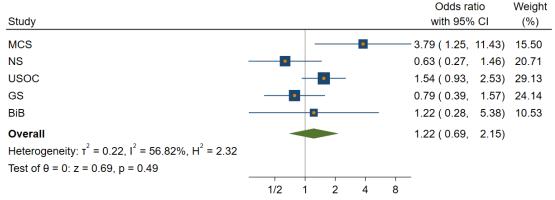
#### Appointments East Asian vs White

basic adjustment



#### Appointments Mixed vs White

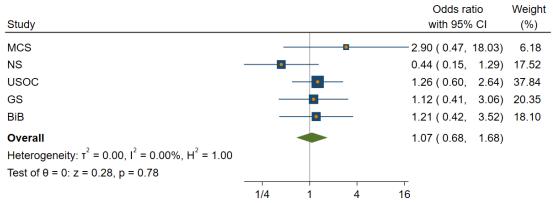
basic adjustment



Random-effects REML model

### Appointments Other Ethnicity vs White

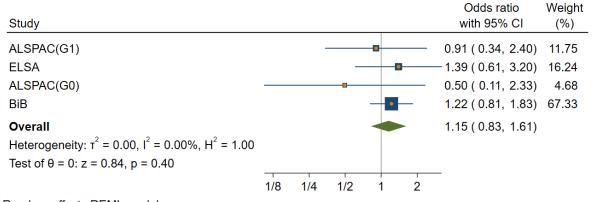
basic adjustment



## Full adjustment

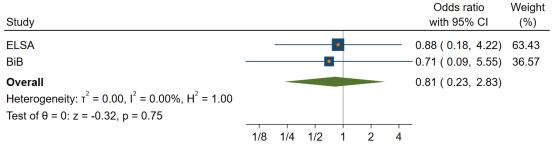
## Appointments Non-White vs White

full adjustment



### Appointments Black vs White

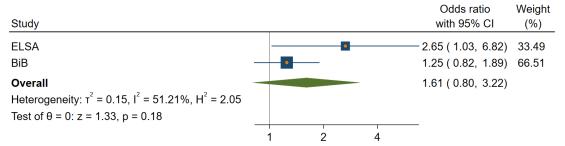
full adjustment



Random-effects REML model

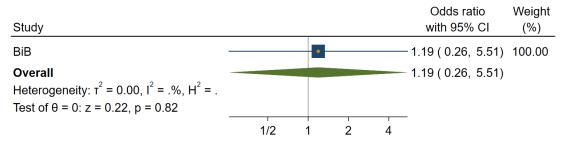
#### Appointments South Asian vs White

full adjustment



### Appointments Mixed vs White

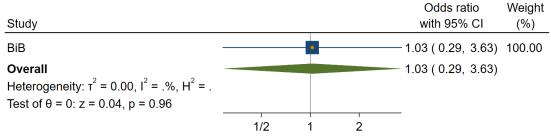
full adjustment



Random-effects REML model

## Appointments Other Ethnicity vs White

full adjustment

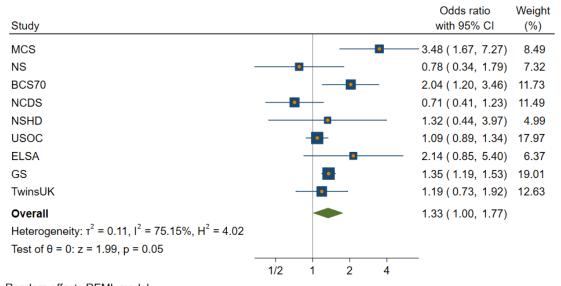


## **Prescription/Medication access**

Sex Unadjusted

#### Prescription/Medication Female vs male

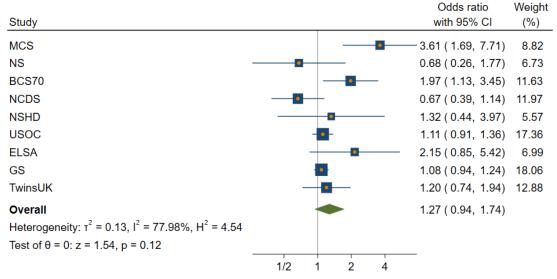
unadjusted



## Basic adjustment

### Prescription/Medication Female vs male

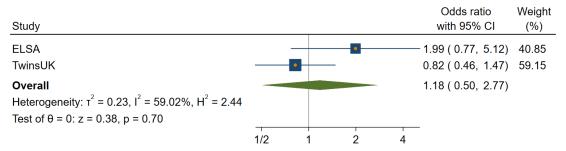
basic adjustment



# Full adjustment

# Prescription/Medication Female vs male

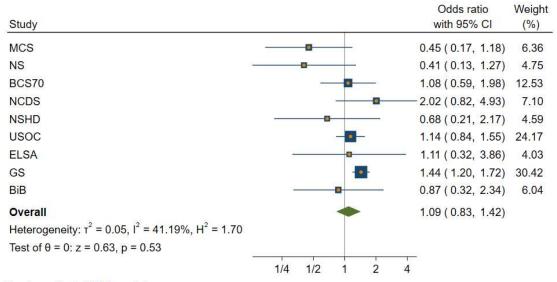
full adjustment



# Occupational class <u>Unadjusted</u>

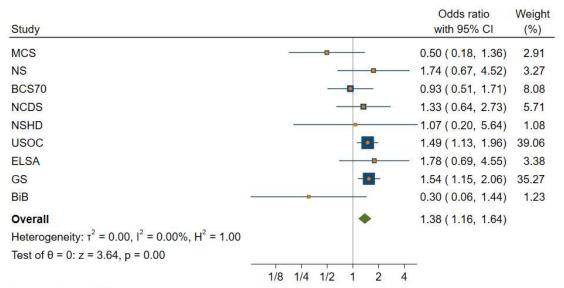
## Prescription/Medication Intermediate vs Managerial/Admin/Professional

### unadjusted



### Prescription/Medication Manual/Routine vs Managerial/Admin/Professional

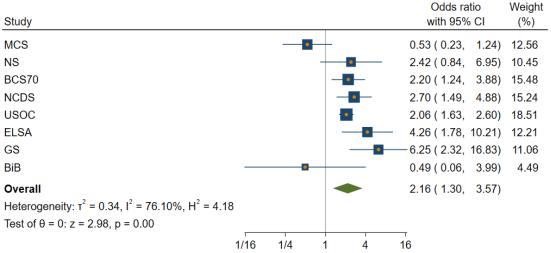
unadjusted



Random-effects REML model

# Prescription/Medication Other social class vs Managerial/Admin/Professional

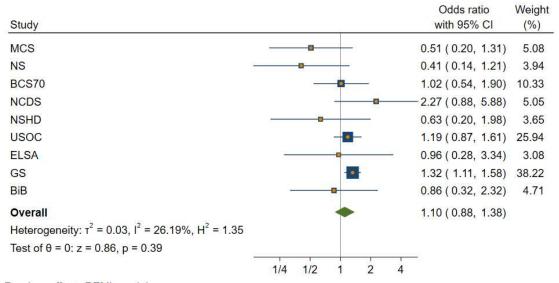
unadjusted



# Basic adjustment

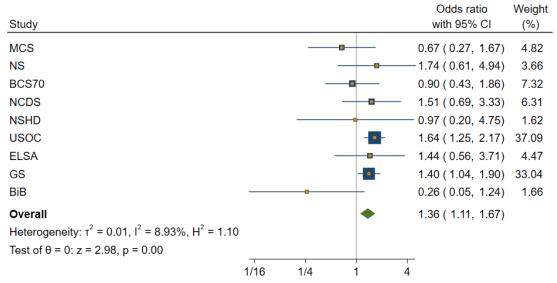
### Prescription/Medication Intermediate vs Managerial/Admin/Professional

basic adjustment



### Prescription/Medication Manual/Routine vs Managerial/Admin/Professional

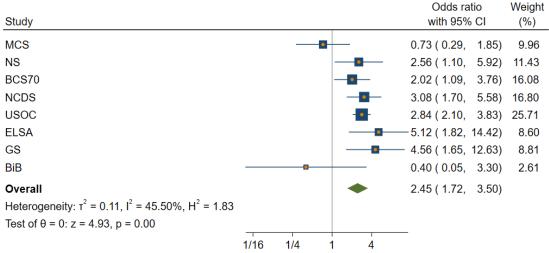
basic adjustment



Random-effects REML model

# Prescription/Medication Other social class vs Managerial/Admin/Professional

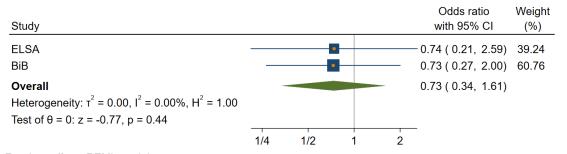
basic adjustment



# Full adjustment

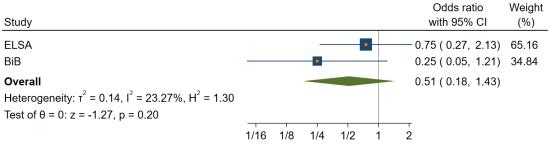
# Prescription/Medication Intermediate vs Managerial/Admin/Professional

full adjustment



## Prescription/Medication Manual/Routine vs Managerial/Admin/Professional

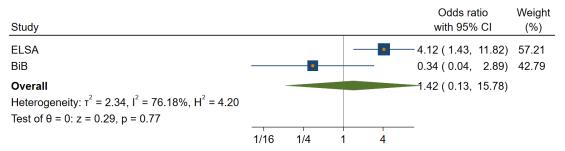
full adjustment



Random-effects REML model

## Prescription/Medication Other social class vs Managerial/Admin/Professional

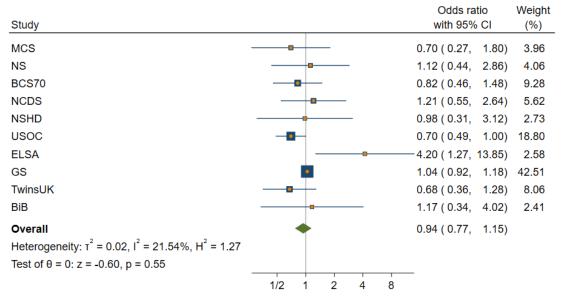
full adjustment



# Education Unadjusted

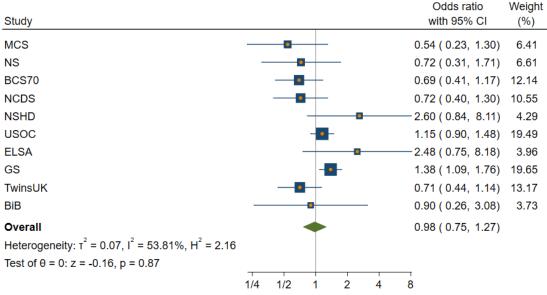
# Prescription/Medication A-level/equivalent vs Higher education/Degree

#### unadjusted



### Prescription/Medication GCSE/equivalent vs Higher education/Degree

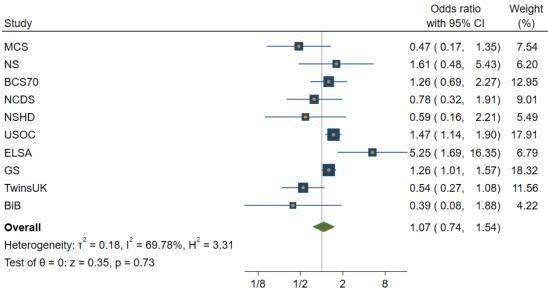
unadjusted



Random-effects REML model

### Prescription/Medication <GCSE/equivalent vs Higher education/Degree

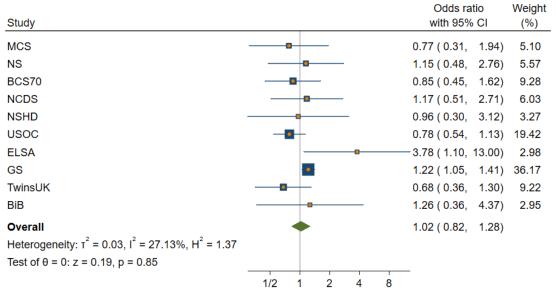
unadjusted



# Basic adjustment

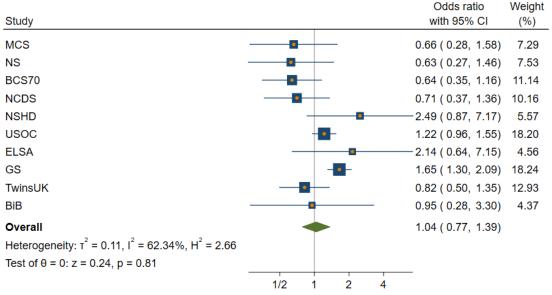
## Prescription/Medication A-level/equivalent vs Higher education/Degree

basic adjustment



### Prescription/Medication GCSE/equivalent vs Higher education/Degree

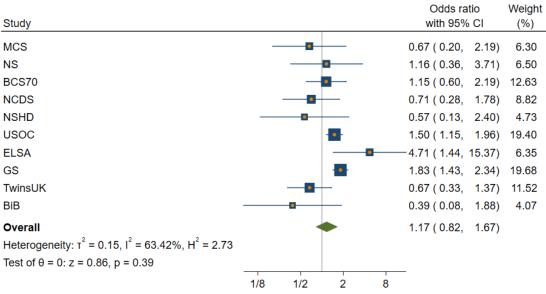
basic adjustment



Random-effects REML model

### Prescription/Medication <GCSE/equivalent vs Higher education/Degree

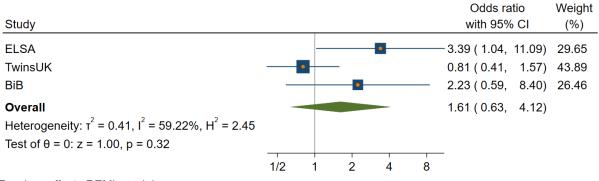
basic adjustment



# Full adjustment

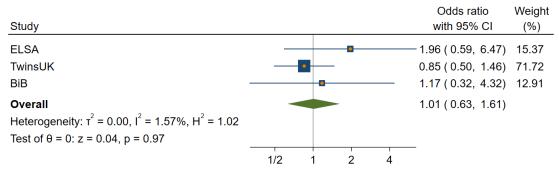
# Prescription/Medication A-level/equivalent vs Higher education/Degree

full adjustment



### Prescription/Medication GCSE/equivalent vs Higher education/Degree

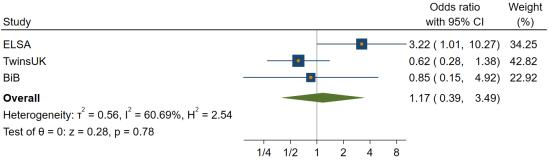
full adjustment



Random-effects REML model

# Prescription/Medication <GCSE/equivalent vs Higher education/Degree

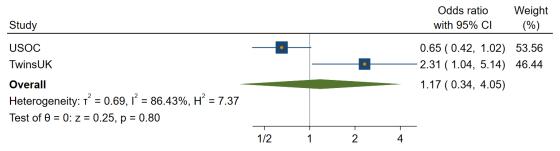
full adjustment



Age <u>Unadjusted</u>

### Prescription/Medication 16-24y vs 45-54y

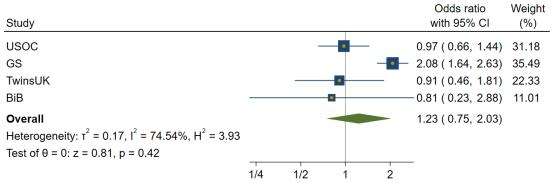
unadjusted



### Random-effects REML model

# Prescription/Medication 25-34y vs 45-54y

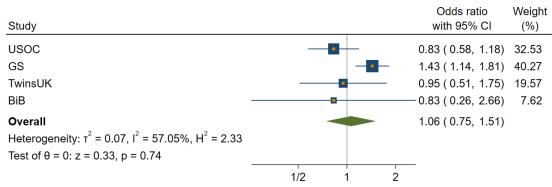
unadjusted



## Random-effects REML model

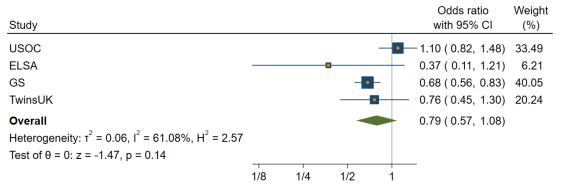
# Prescription/Medication 35-44y vs 45-54y

unadjusted



# Prescription/Medication 55-64y vs 45-54y

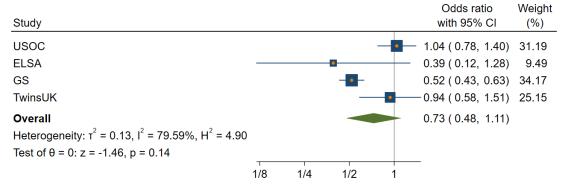
unadjusted



Random-effects REML model

### Prescription/Medication 65-74y vs 45-54y

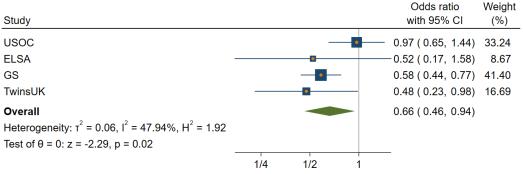
unadjusted



## Random-effects REML model

### Prescription/Medication 75y+ vs 45-54y

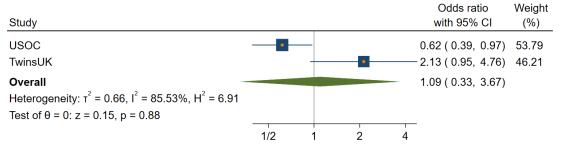
unadjusted



## Basic adjustment

### Prescription/Medication 16-24y vs 45-54y

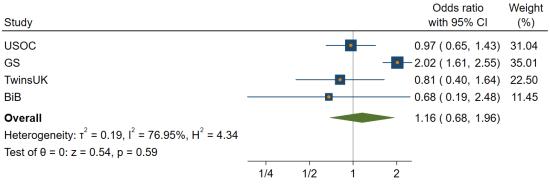
basic adjustment



Random-effects REML model

# Prescription/Medication 25-34y vs 45-54y

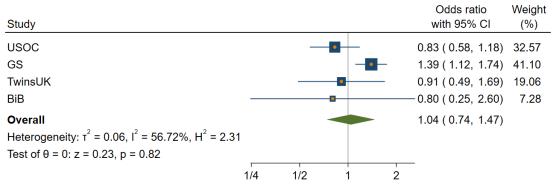
basic adjustment



### Random-effects REML model

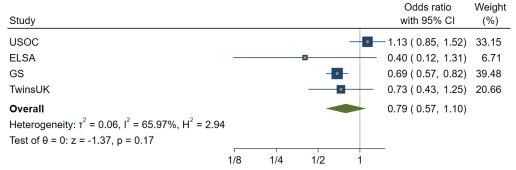
# Prescription/Medication 35-44y vs 45-54y

basic adjustment



# Prescription/Medication 55-64y vs 45-54y

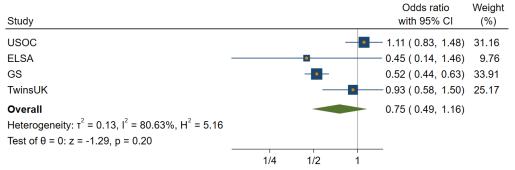
basic adjustment



Random-effects REML model

### Prescription/Medication 65-74y vs 45-54y

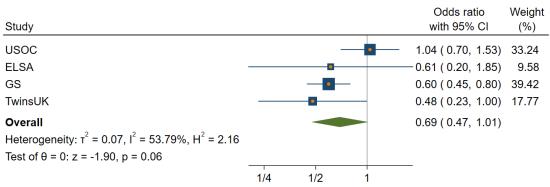
basic adjustment



Random-effects REML model

# Prescription/Medication 75y+ vs 45-54y

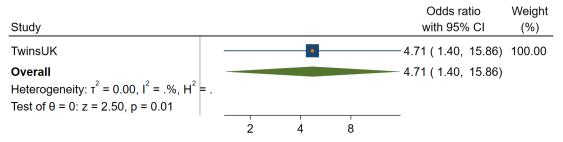
basic adjustment



# Full adjustment

### Prescription/Medication 16-24y vs 45-54y

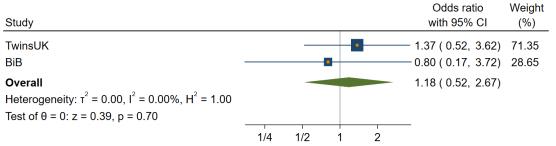
full adjustment



Random-effects REML model

# Prescription/Medication 25-34y vs 45-54y

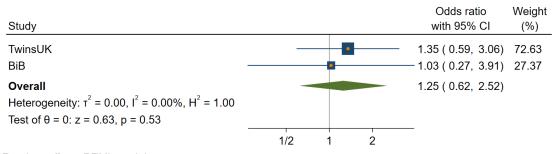
full adjustment



Random-effects REML model

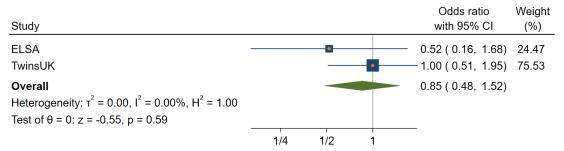
# Prescription/Medication 35-44y vs 45-54y

full adjustment



# Prescription/Medication 55-64y vs 45-54y

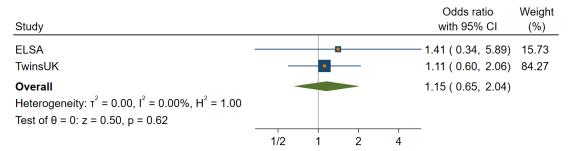
full adjustment



Random-effects REML model

# Prescription/Medication 65-74y vs 45-54y

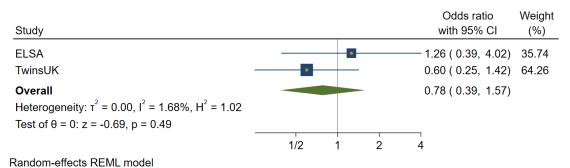
full adjustment



Random-effects REML model

### Prescription/Medication 75y+ vs 45-54y

full adjustment

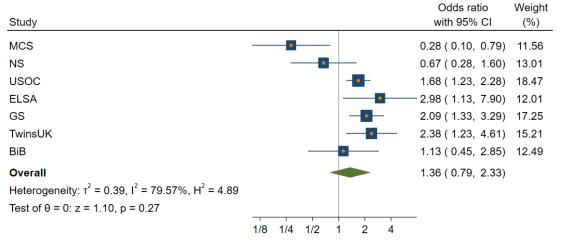


random chools relike mode

# Ethnicity Unadjusted

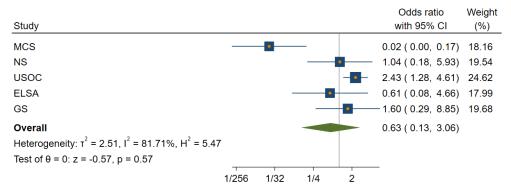
### Prescription/Medication Non-White vs White

unadjusted



#### Prescription/Medication Black vs White

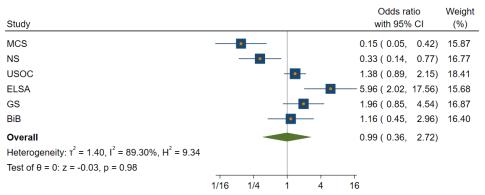
unadjusted



Random-effects REML model

### Prescription/Medication South Asian vs White

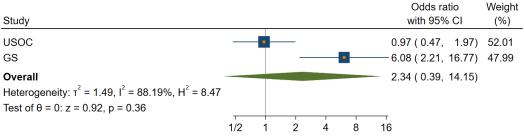
unadjusted



Random-effects REML model

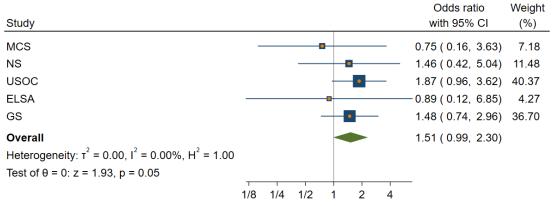
### Prescription/Medication East Asian vs White

unadjusted



### Prescription/Medication Mixed vs White

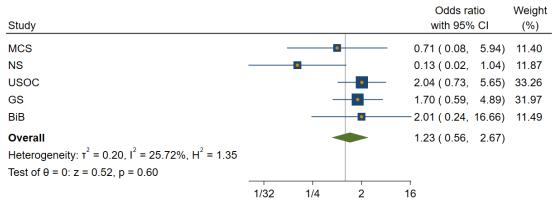
unadjusted



Random-effects REML model

### Prescription/Medication Other Ethnicity vs White

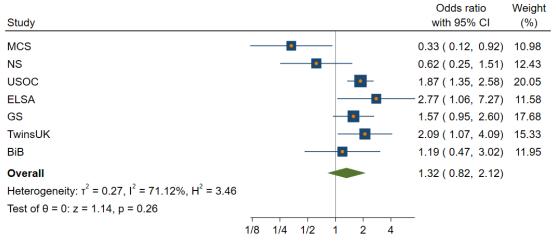
unadjusted



# Basic adjustment

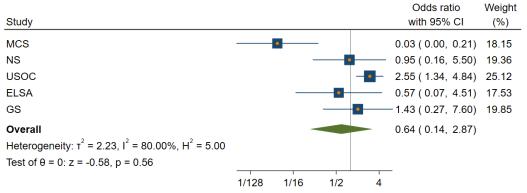
### Prescription/Medication Non-White vs White

basic adjustment



### Prescription/Medication Black vs White

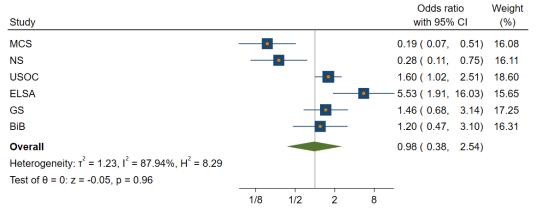
basic adjustment



### Random-effects REML model

#### Prescription/Medication South Asian vs White

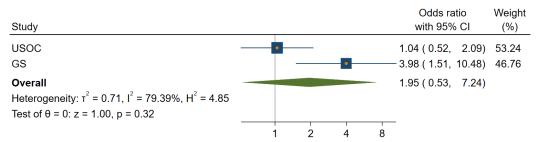
basic adjustment



### Random-effects REML model

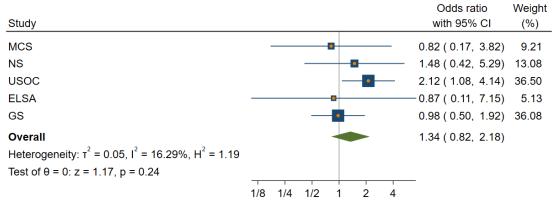
### Prescription/Medication East Asian vs White

basic adjustment



### Prescription/Medication Mixed vs White

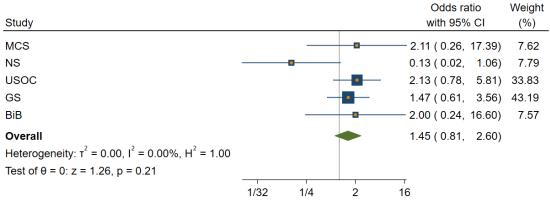
basic adjustment



### Random-effects REML model

### Prescription/Medication Other Ethnicity vs White

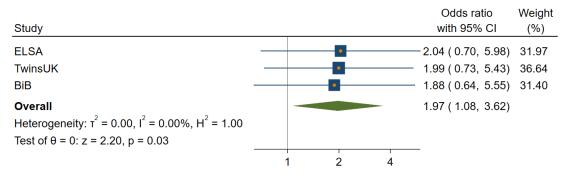
basic adjustment



# Full adjustment

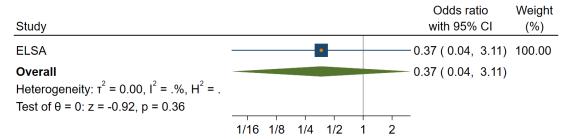
# Prescription/Medication Non-White vs White

full adjustment



## Prescription/Medication Black vs White

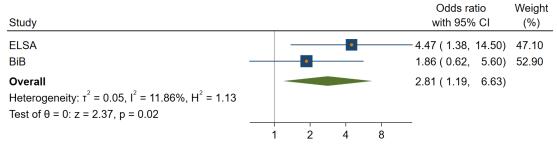
full adjustment



Random-effects REML model

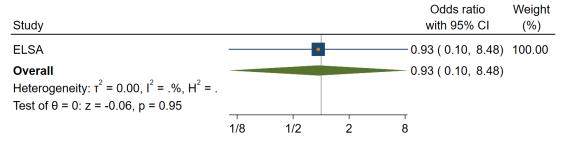
# Prescription/Medication South Asian vs White

full adjustment



### Prescription/Medication Mixed vs White

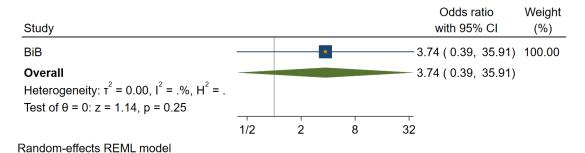
full adjustment



Random-effects REML model

# Prescription/Medication Other Ethnicity vs White

full adjustment

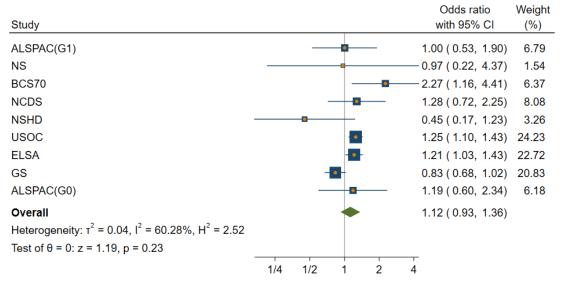


# **Procedures/surgery**

Sex Unadjusted

### Procedures/surgery Female vs male

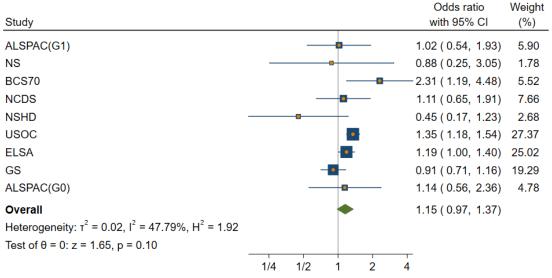
unadjusted



# Basic adjustment

## Procedures/surgery Female vs male

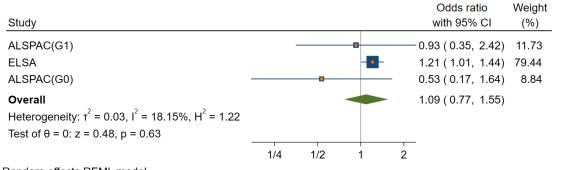
basic adjustment



# Full adjustment

## Procedures/surgery Female vs male

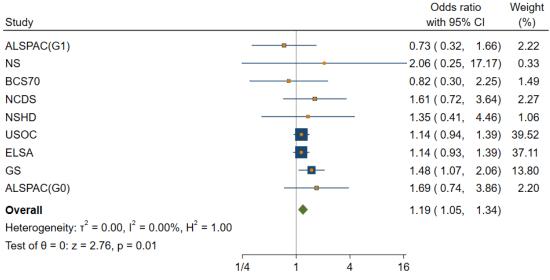
full adjustment



# Occupational class <u>Unadjusted</u>

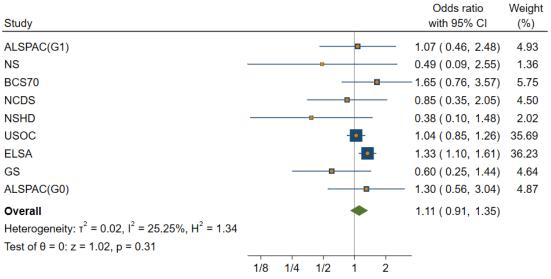
## Procedures/surgery Intermediate vs Managerial/Admin/Professional

unadjusted



### Procedures/surgery Manual/Routine vs Managerial/Admin/Professional

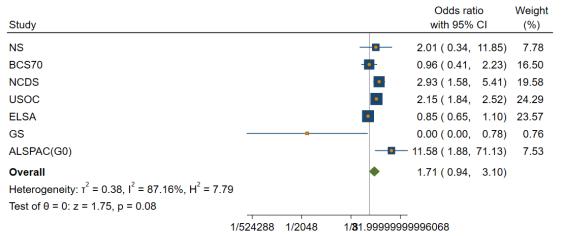
unadjusted



Random-effects REML model

## Procedures/surgery Other social class vs Managerial/Admin/Professional

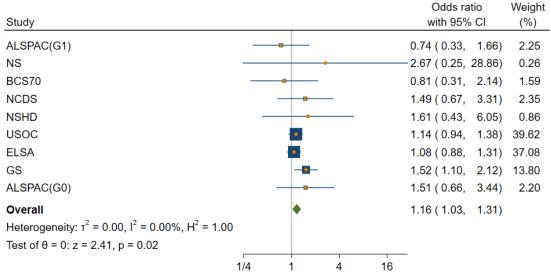
unadjusted



# Basic adjustment

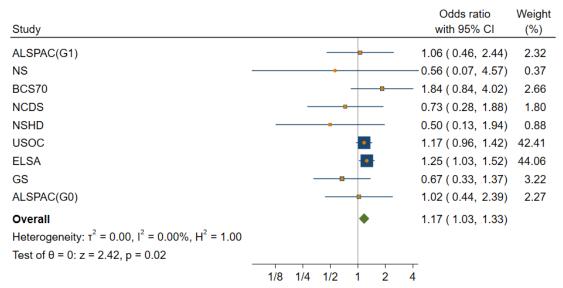
## Procedures/surgery Intermediate vs Managerial/Admin/Professional

basic adjustment



### Procedures/surgery Manual/Routine vs Managerial/Admin/Professional

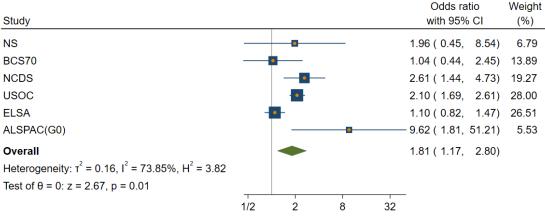
basic adjustment



Random-effects REML model

# Procedures/surgery Other social class vs Managerial/Admin/Professional

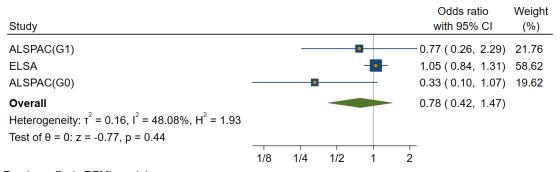
basic adjustment



## Full adjustment

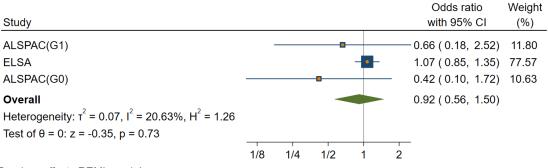
## Procedures/surgery Intermediate vs Managerial/Admin/Professional

full adjustment



### Procedures/surgery Manual/Routine vs Managerial/Admin/Professional

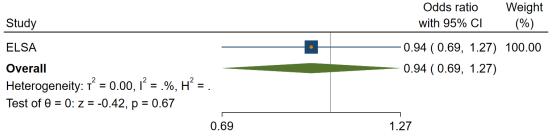
full adjustment



Random-effects REML model

# Procedures/surgery Other social class vs Managerial/Admin/Professional

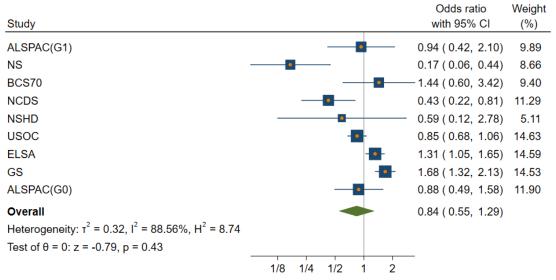
full adjustment



# Education unadjusted

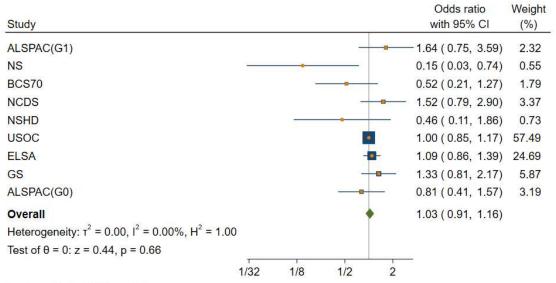
### Procedures/surgery A-level/equivalent vs Higher education/Degree

unadjusted



#### Procedures/surgery GCSE/equivalent vs Higher education/Degree

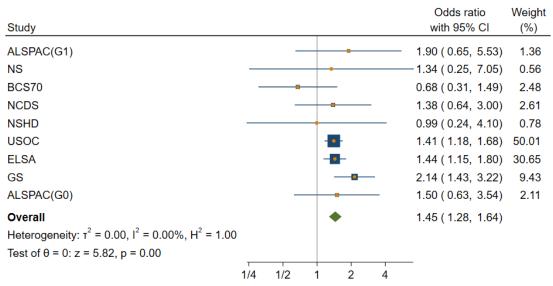
unadjusted



Random-effects REML model

# Procedures/surgery <GCSE/equivalent vs Higher education/Degree

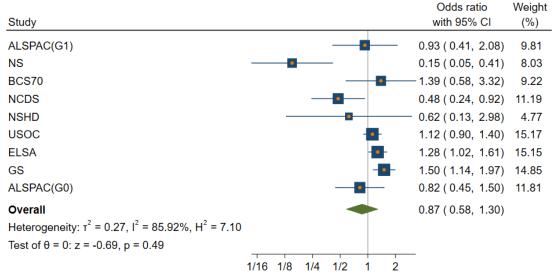
unadjusted



# Basic adjustment

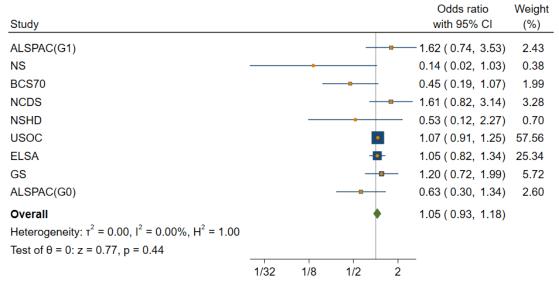
#### Procedures/surgery A-level/equivalent vs Higher education/Degree

basic adjustment



#### Procedures/surgery GCSE/equivalent vs Higher education/Degree

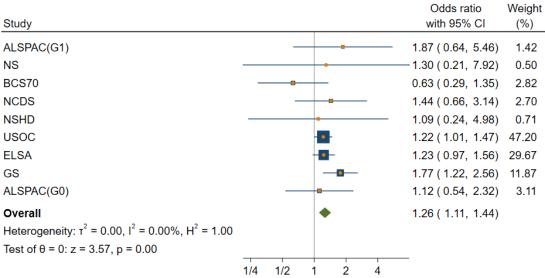
basic adjustment



Random-effects REML model

# Procedures/surgery <GCSE/equivalent vs Higher education/Degree

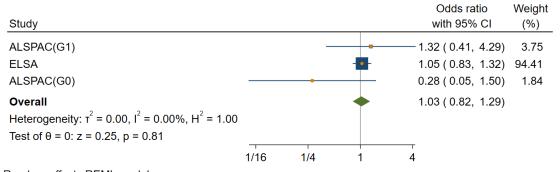
basic adjustment



## Full adjustment

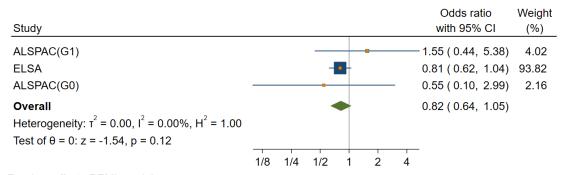
## Procedures/surgery A-level/equivalent vs Higher education/Degree

full adjustment



# Procedures/surgery GCSE/equivalent vs Higher education/Degree

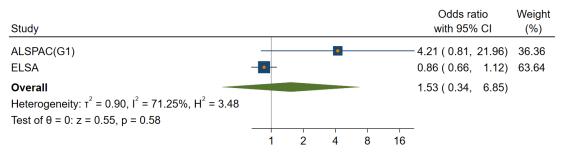
full adjustment



Random-effects REML model

# Procedures/surgery <GCSE/equivalent vs Higher education/Degree

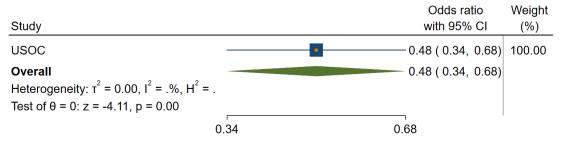
full adjustment



### Age Unadjusted

#### Procedures/surgery 16-24y vs 45-54y

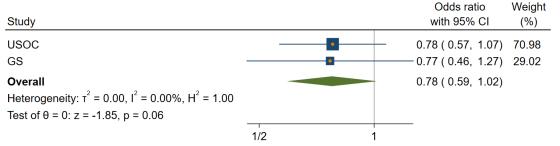
unadjusted



Random-effects REML model

### Procedures/surgery 25-34y vs 45-54y

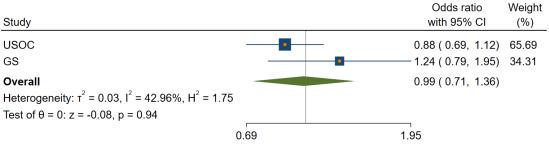
unadjusted



Random-effects REML model

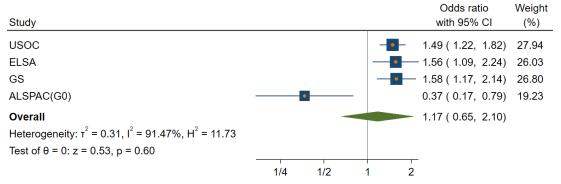
# Procedures/surgery 35-44y vs 45-54y

unadjusted



#### Procedures/surgery 55-64y vs 45-54y

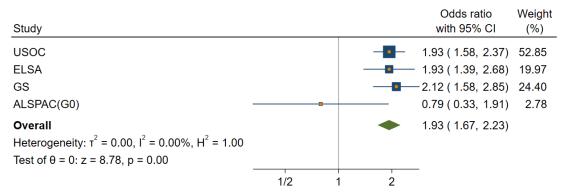
unadjusted



Random-effects REML model

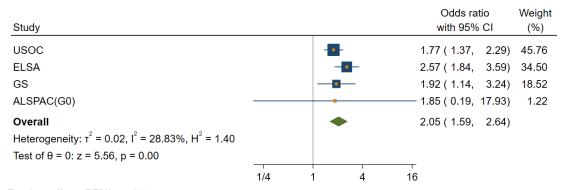
#### Procedures/surgery 65-74y vs 45-54y

unadjusted



### Procedures/surgery 75y+ vs 45-54y

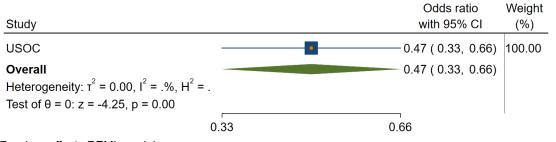
unadjusted



## Basic adjustment

#### Procedures/surgery 16-24y vs 45-54y

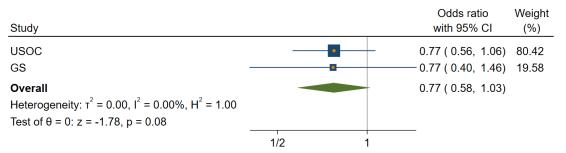
basic adjustment



Random-effects REML model

# Procedures/surgery 25-34y vs 45-54y

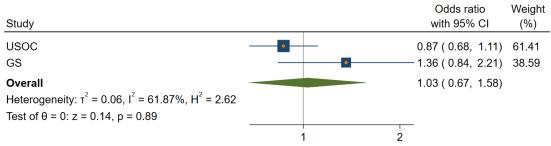
basic adjustment



Random-effects REML model

#### Procedures/surgery 35-44y vs 45-54y

basic adjustment

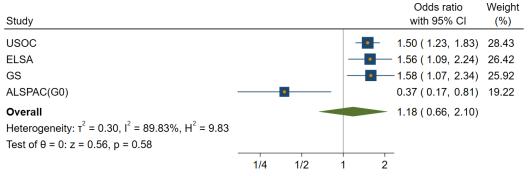


Random-effects REML model

120

#### Procedures/surgery 55-64y vs 45-54y

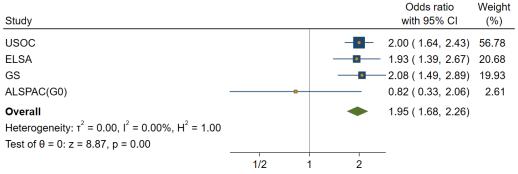
basic adjustment



#### Random-effects REML model

#### Procedures/surgery 65-74y vs 45-54y

basic adjustment



#### Random-effects REML model

#### Procedures/surgery 75y+ vs 45-54y

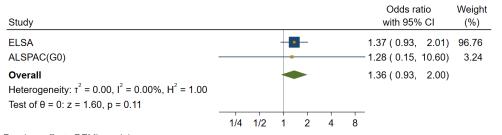
basic adjustment

Study				Odds ratio with 95% CI		Weight (%)
USOC		-		1.86 ( 1.44,	2.39)	48.44
ELSA				2.55 ( 1.83,	3.55)	33.65
GS				1.85 ( 1.12,	3.07)	17.03
ALSPAC(G0)		-		- 2.10 ( 0.20,	22.29)	0.89
Overall Heterogeneity: $\tau^2 = 0.01$ , $I^2 = 17.97\%$ , $H^2 = 1.22$ Test of $\theta = 0$ : $z = 6.39$ , $p = 0.00$	1/4	1	, , , , , , , , , , , , , , , , , , ,	2.07 ( 1.66,	2.59)	

# Full adjustment

#### Procedures/surgery 55-64y vs 45-54y

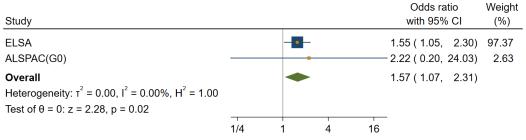
full adjustment



Random-effects REML model

#### Procedures/surgery 65-74y vs 45-54y

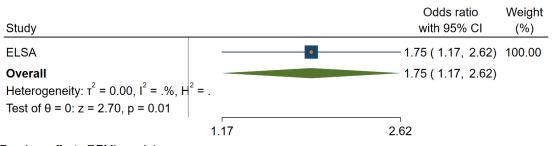
full adjustment



Random-effects REML model

## Procedures/surgery 75y+ vs 45-54y

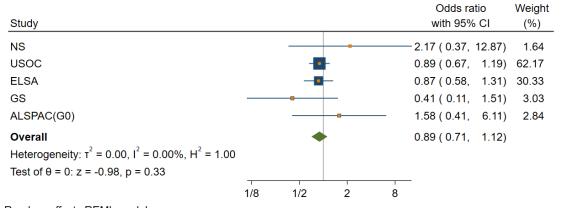
full adjustment



# Ethnicity Unadjusted

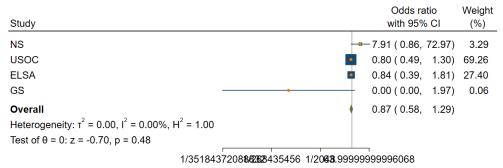
#### Procedures/surgery Non-White vs White

unadjusted



#### Procedures/surgery Black vs White

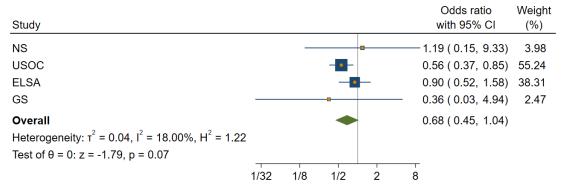
unadjusted



Random-effects REML model

#### Procedures/surgery South Asian vs White

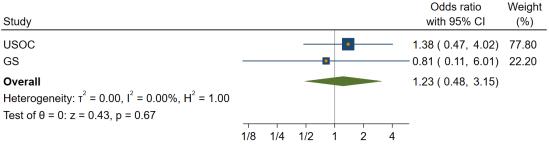
unadjusted



#### Random-effects REML model

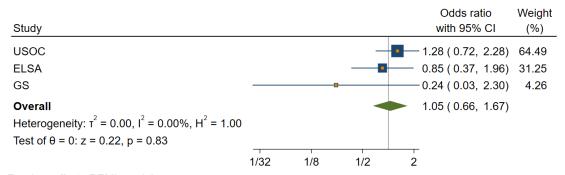
#### Procedures/surgery East Asian vs White

unadjusted



### Procedures/surgery Mixed vs White

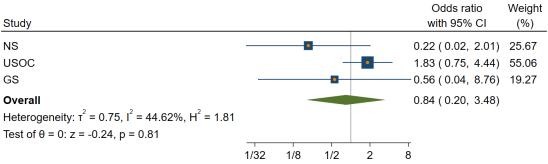
unadjusted



Random-effects REML model

### Procedures/surgery Other Ethnicity vs White

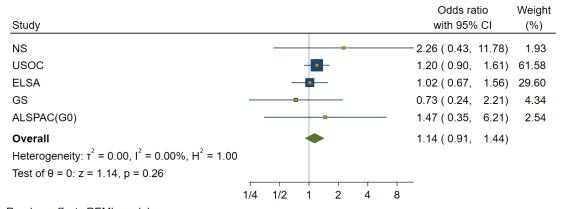
unadjusted



# Basic adjustment

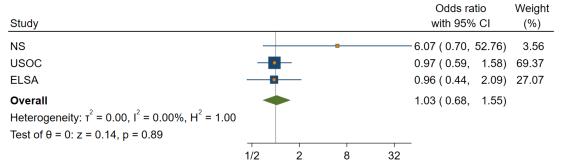
#### Procedures/surgery Non-White vs White

basic adjustment



#### Procedures/surgery Black vs White

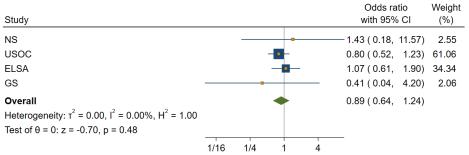
basic adjustment



Random-effects REML model

#### Procedures/surgery South Asian vs White

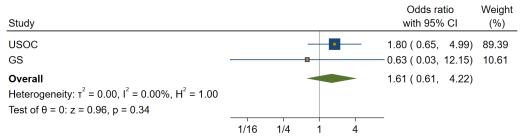
basic adjustment



Random-effects REML model

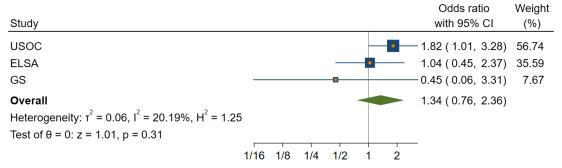
#### Procedures/surgery East Asian vs White

basic adjustment



#### Procedures/surgery Mixed vs White

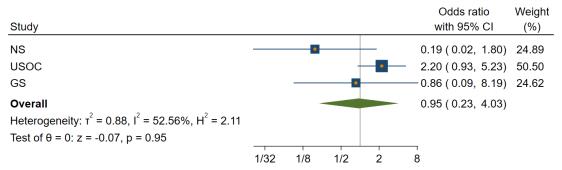
basic adjustment



Random-effects REML model

#### Procedures/surgery Other Ethnicity vs White

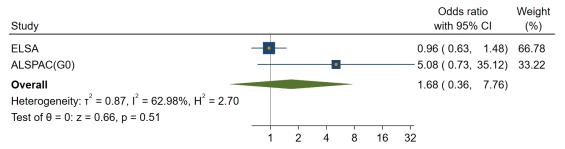
basic adjustment



# Full adjustment

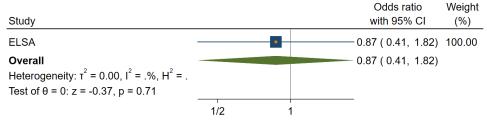
#### Procedures/surgery Non-White vs White

#### full adjustment



#### Procedures/surgery Black vs White

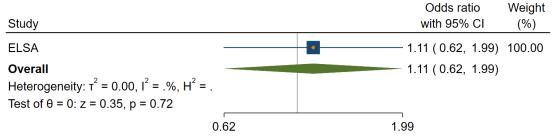
full adjustment



Random-effects REML model

#### Procedures/surgery South Asian vs White

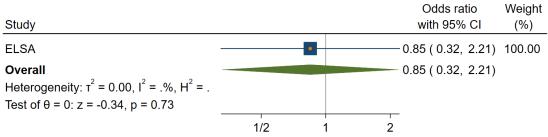
full adjustment



Random-effects REML model

#### Procedures/surgery Mixed vs White

full adjustment

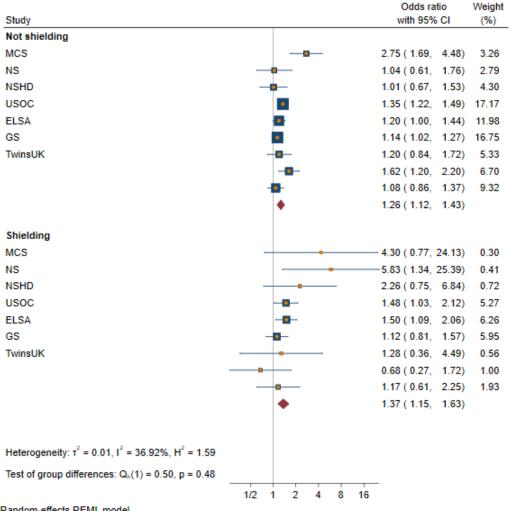


# Any healthcare disruption stratified by shielding status

Sex

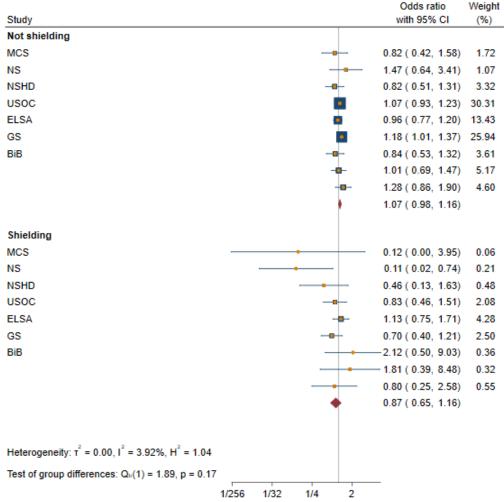
Supplemental material

#### Any healthcare disruption Female vs male

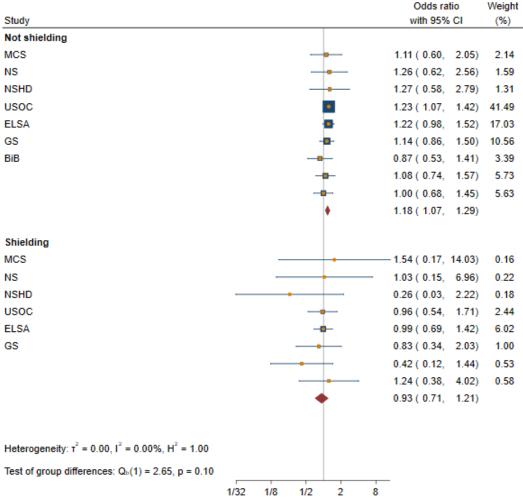


Occupational class

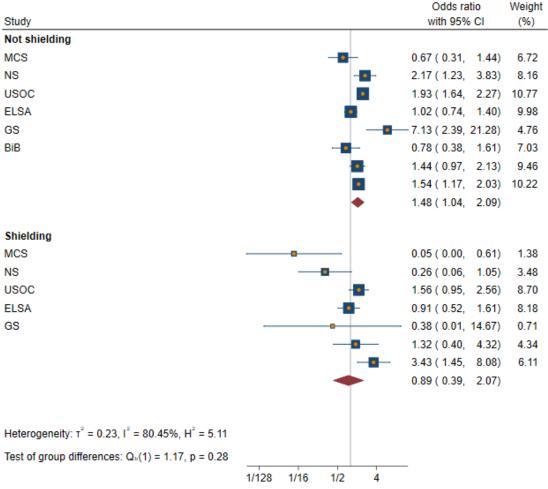
#### Any healthcare disruption Intermediate vs Managerial/Admin/Professional



#### Any healthcare disruption Manual/Routine vs Managerial/Admin/Professional

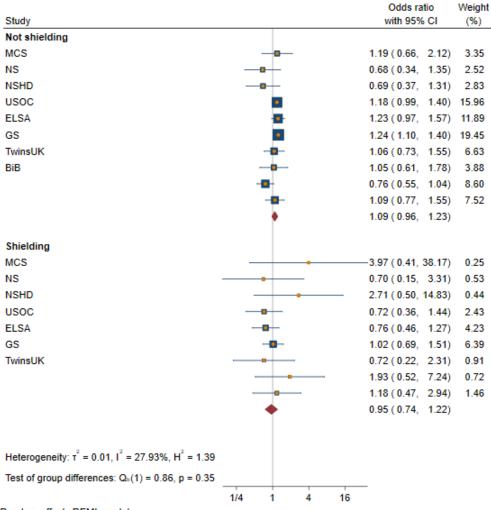


#### Any healthcare disruption Other social class vs Managerial/Admin/Professional

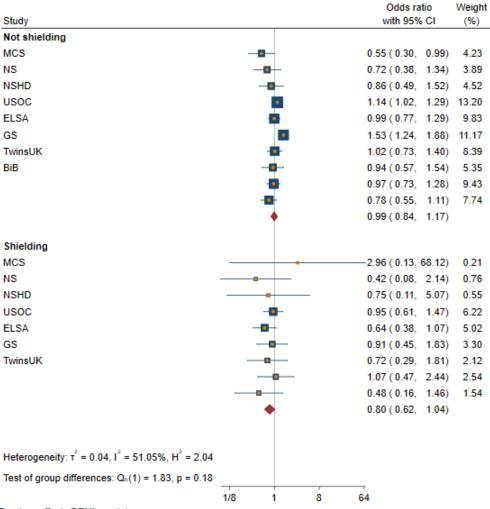


Education

# Any healthcare disruption A-level/equivalent vs Higher education/Degree



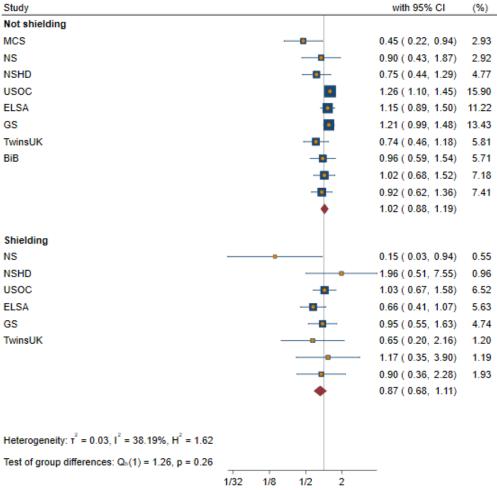
#### Any healthcare disruption GCSE/equivalent vs Higher education/Degree



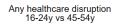
Odds ratio

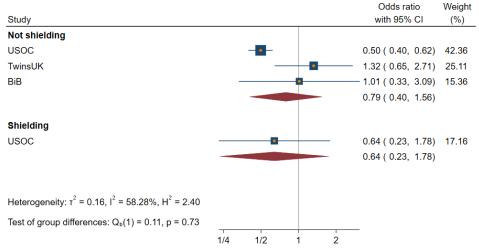
Weight

#### Any healthcare disruption <GCSE/equivalent vs Higher education/Degree



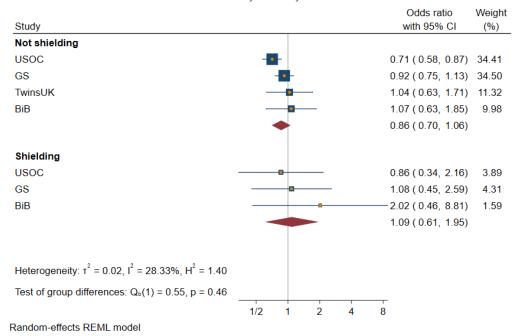
Age



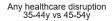


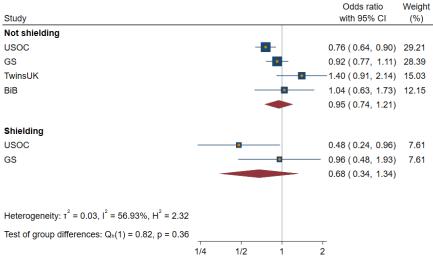
Random-effects REML model

# Any healthcare disruption 25-34y vs 45-54y



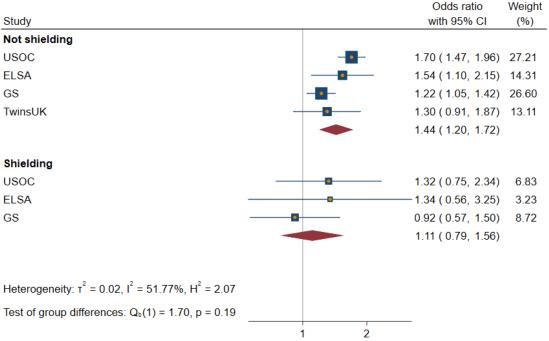
140



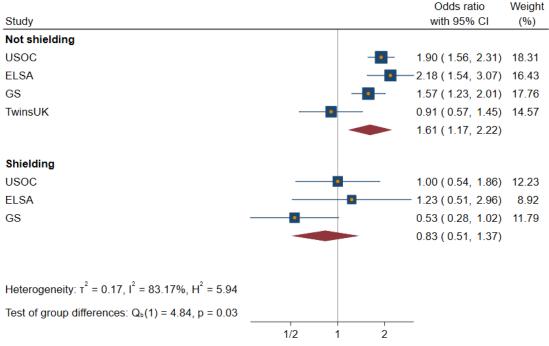


Random-effects REML model

# Any healthcare disruption 65-74y vs 45-54y

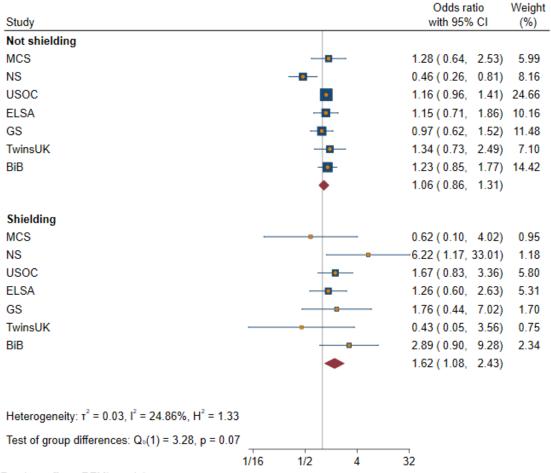


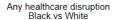
# Any healthcare disruption 75y+ vs 45-54y

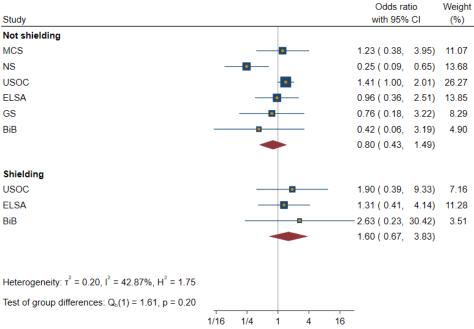


Ethnicity

#### Any healthcare disruption Non-White vs White

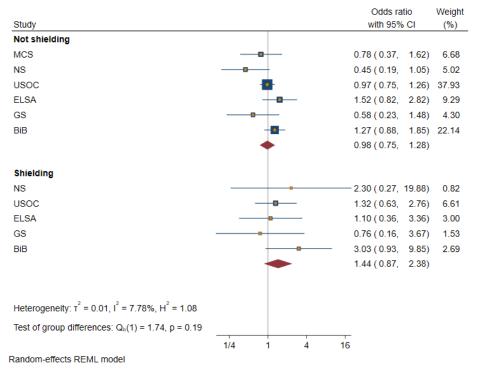




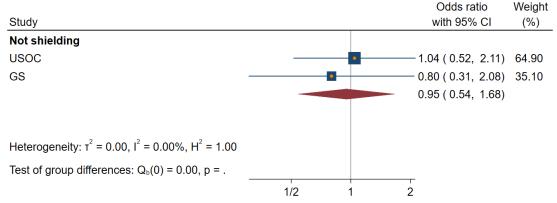


Random-effects REML model

#### Any healthcare disruption South Asian vs White

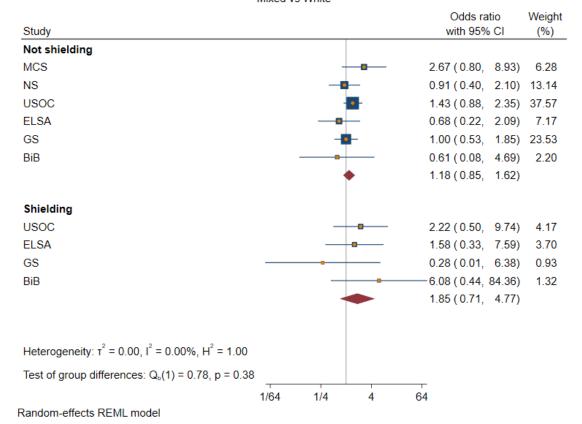


#### Any healthcare disruption East Asian vs White

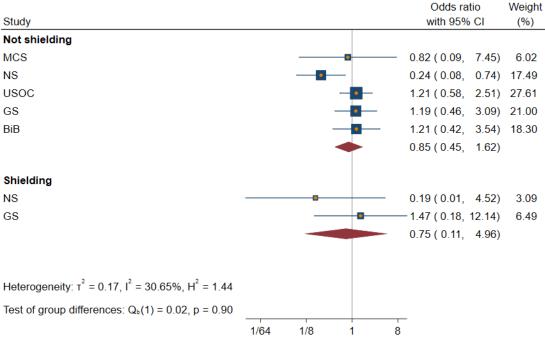


#### Random-effects REML model

#### Any healthcare disruption Mixed vs White



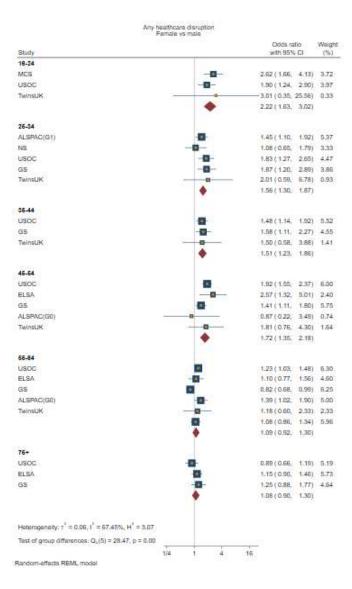
### Any healthcare disruption Other Ethnicity vs White



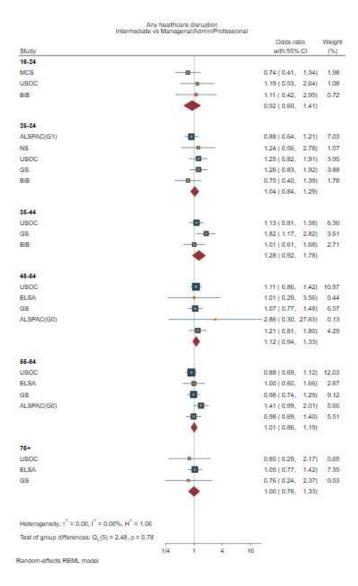
Random-effects REML model

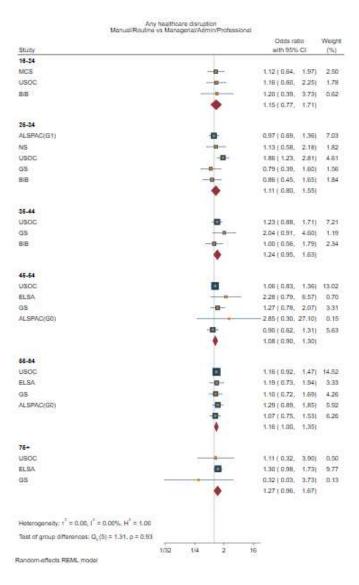
# Any healthcare disruption stratified by age

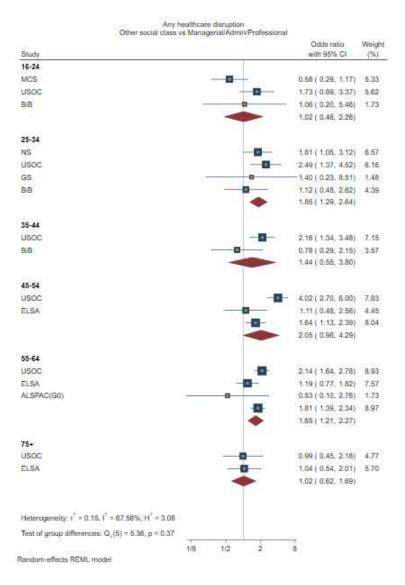
Sex



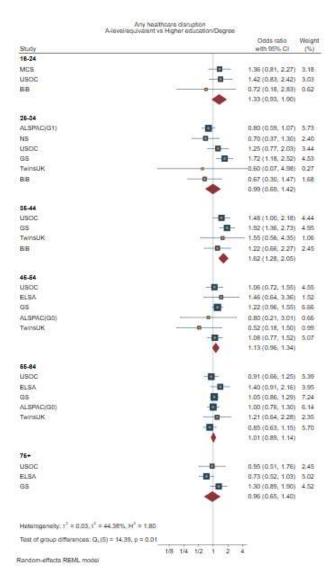
## Occupational class

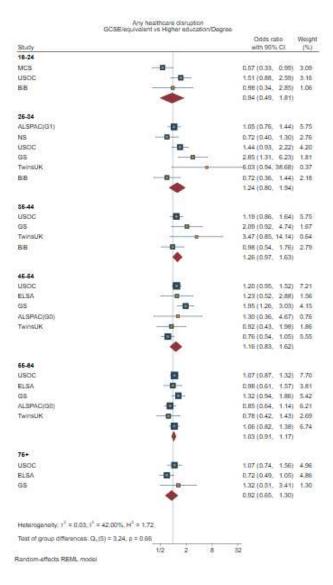


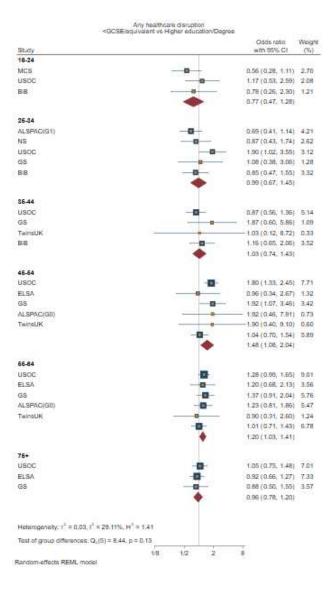




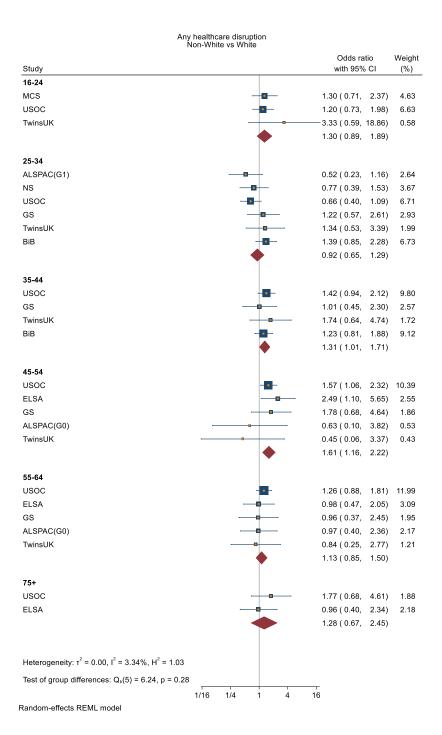
#### Education



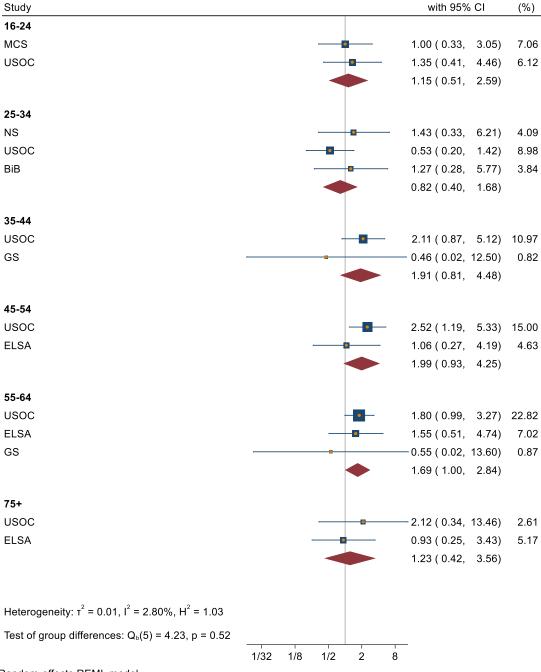




# Ethnicity



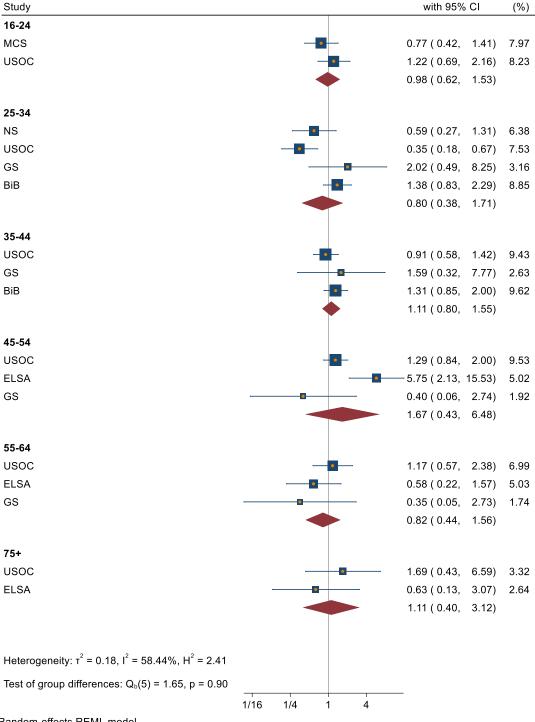
#### Any healthcare disruption Black vs White



Random-effects REML model

Odds ratio

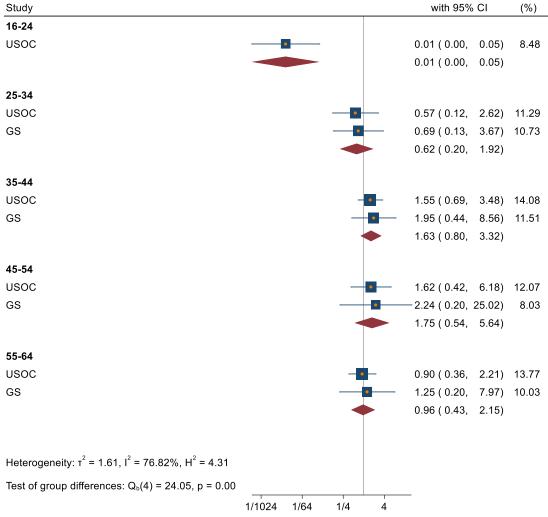
#### Any healthcare disruption South Asian vs White



Random-effects REML model

Odds ratio

### Any healthcare disruption East Asian vs White

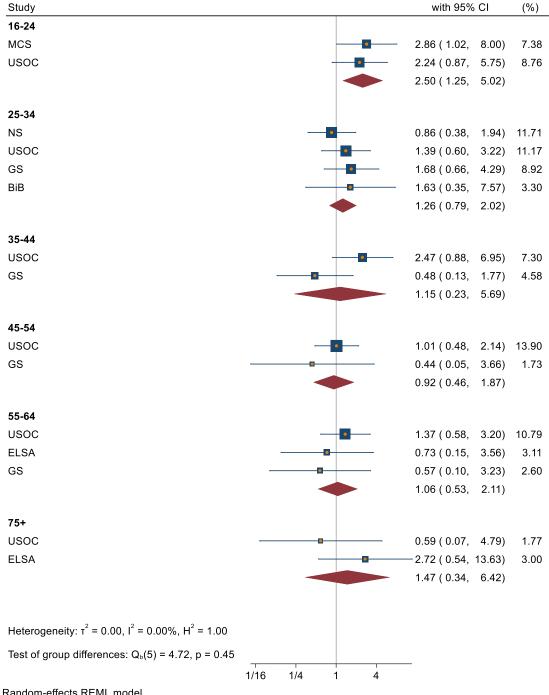


Random-effects REML model

BMJ Open

Odds ratio

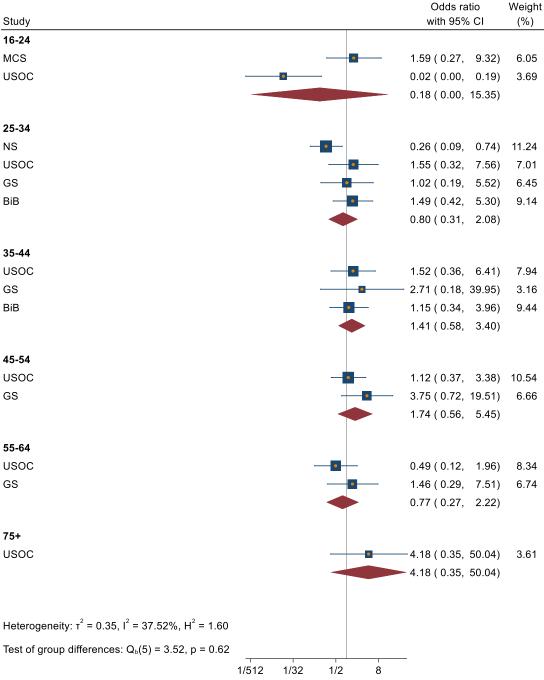
#### Any healthcare disruption Mixed vs White



Random-effects REML model

Odds ratio

#### Any healthcare disruption Other Ethnicity vs White



Random-effects REML model

Odds ratio