

## Supplementary File 3: Meta-analysis results

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## Summary of results

	Any healthcare disruption				Appointments				Prescription/Medication				Procedures/surgery				
	OR	Lower CI	Upper CI	I <sup>2</sup> %	OR	Lower CI	Upper CI	I <sup>2</sup> %	OR	Lower CI	Upper CI	I <sup>2</sup> %	OR	Lower CI	Upper CI	I <sup>2</sup> %	
<b>Sex</b>																	
Female vs. Male	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
	<b>Basic adjustment</b>	<b>1.27</b>	<b>1.15</b>	<b>1.40</b>	<b>53.11</b>	<b>1.33</b>	<b>1.17</b>	<b>1.52</b>	<b>60</b>	<b>1.27</b>	<b>0.94</b>	<b>1.74</b>	<b>77.98</b>	<b>1.15</b>	<b>0.97</b>	<b>1.37</b>	<b>47.79</b>
	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
<b>Age</b>																	
16-24y vs 45-54y	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	
	<b>Basic adjustment</b>	<b>0.76</b>	<b>0.39</b>	<b>1.46</b>	<b>71.95</b>	<b>0.55</b>	<b>0.24</b>	<b>1.23</b>	<b>58.53</b>	<b>1.09</b>	<b>0.33</b>	<b>3.67</b>	<b>85.53</b>	<b>0.47</b>	<b>0.33</b>	<b>0.66</b>	
	Full adjustment	0.85	0.32	2.24	70.28	0.89	0.18	4.36		4.71	1.40	15.86		no information			
25-34y vs 45-54y	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
	<b>Basic adjustment</b>	<b>0.85</b>	<b>0.70</b>	<b>1.04</b>	<b>47.62</b>	<b>0.67</b>	<b>0.57</b>	<b>0.77</b>	<b>0</b>	<b>1.16</b>	<b>0.68</b>	<b>1.96</b>	<b>76.95</b>	<b>0.77</b>	<b>0.58</b>	<b>1.03</b>	<b>0</b>
	Full adjustment	0.92	0.74	1.15	43.99	1.21	0.66	2.22		1.18	0.52	2.67	0	no information			
35-44y vs 45-54y	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
	<b>Basic adjustment</b>	<b>0.92</b>	<b>0.74</b>	<b>1.15</b>	<b>68.24</b>	<b>0.78</b>	<b>0.65</b>	<b>0.92</b>	<b>35.96</b>	<b>1.04</b>	<b>0.74</b>	<b>1.47</b>	<b>56.72</b>	<b>1.03</b>	<b>0.67</b>	<b>1.58</b>	<b>61.87</b>
	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
55-64y vs 45-54y	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
	<b>Basic adjustment</b>	<b>1.18</b>	<b>0.99</b>	<b>1.39</b>	<b>64.04</b>	<b>1.35</b>	<b>1.22</b>	<b>1.49</b>	<b>0</b>	<b>0.79</b>	<b>0.57</b>	<b>1.10</b>	<b>65.97</b>	<b>1.18</b>	<b>0.66</b>	<b>2.10</b>	<b>89.83</b>
	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 information			
65-74y vs 45-54y	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
	<b>Basic adjustment</b>	<b>1.39</b>	<b>1.13</b>	<b>1.72</b>	<b>77.16</b>	<b>1.65</b>	<b>1.49</b>	<b>1.82</b>	<b>0</b>	<b>0.75</b>	<b>0.49</b>	<b>1.16</b>	<b>80.63</b>	<b>1.95</b>	<b>1.68</b>	<b>2.26</b>	<b>0</b>
	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
75y+ vs 45-54y	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
	<b>Basic adjustment</b>	<b>1.50</b>	<b>0.93</b>	<b>2.39</b>	<b>91.23</b>	<b>1.89</b>	<b>1.65</b>	<b>2.17</b>	<b>0</b>	<b>0.69</b>	<b>0.47</b>	<b>1.01</b>	<b>53.79</b>	<b>2.07</b>	<b>1.66</b>	<b>2.59</b>	<b>17.97</b>
	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	
<b>Ethnicity</b>																	

Non-White vs White*	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
	<b>Basic adjustment</b>	<b>1.19</b>	<b>1.05</b>	<b>1.35</b>	<b>0</b>	<b>1.10</b>	<b>0.86</b>	<b>1.39</b>	<b>42.54</b>	<b>1.32</b>	<b>0.82</b>	<b>2.12</b>	<b>71.12</b>	<b>1.14</b>	<b>0.91</b>	<b>1.44</b>	<b>0</b>
	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
Black vs White	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
	<b>Basic adjustment</b>	<b>1.38</b>	<b>1.03</b>	<b>1.84</b>	<b>0</b>	<b>1.01</b>	<b>0.54</b>	<b>1.92</b>	<b>49.83</b>	<b>0.64</b>	<b>0.14</b>	<b>2.87</b>	<b>80</b>	<b>1.03</b>	<b>0.68</b>	<b>1.55</b>	<b>0</b>
	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	
East Asian vs White	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
	<b>Basic adjustment</b>	<b>1.13</b>	<b>0.67</b>	<b>1.90</b>	<b>0</b>	<b>0.80</b>	<b>0.39</b>	<b>1.64</b>	<b>17.46</b>	<b>1.95</b>	<b>0.53</b>	<b>7.24</b>	<b>79.39</b>	<b>1.61</b>	<b>0.61</b>	<b>4.22</b>	<b>0</b>
	Full adjustment	0.96	0.60	1.51	0	1.19	0.26	5.51		no information				no information			
Mixed vs White	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
	<b>Basic adjustment</b>	<b>1.24</b>	<b>0.86</b>	<b>1.78</b>	<b>27.61</b>	<b>1.22</b>	<b>0.69</b>	<b>2.15</b>	<b>56.82</b>	<b>1.34</b>	<b>0.82</b>	<b>2.18</b>	<b>16.29</b>	<b>1.34</b>	<b>0.76</b>	<b>2.36</b>	<b>20.19</b>
	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	
South Asian vs White	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
	<b>Basic adjustment</b>	<b>1.05</b>	<b>0.84</b>	<b>1.32</b>	<b>28.25</b>	<b>1.11</b>	<b>0.88</b>	<b>1.39</b>	<b>12.68</b>	<b>0.98</b>	<b>0.38</b>	<b>2.54</b>	<b>87.94</b>	<b>0.89</b>	<b>0.64</b>	<b>1.24</b>	<b>0</b>
	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 Ethnicity vs White	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
	<b>Basic adjustment</b>	<b>0.90</b>	<b>0.49</b>	<b>1.63</b>	<b>44.27</b>	<b>1.07</b>	<b>0.68</b>	<b>1.68</b>	<b>0</b>	<b>1.45</b>	<b>0.81</b>	<b>2.60</b>	<b>0</b>	<b>0.95</b>	<b>0.23</b>	<b>4.03</b>	<b>52.56</b>
	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 information			
<b>Education</b>																	
A-level/equivalent vs Higher education/Degree	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
	<b>Basic adjustment</b>	<b>1.08</b>	<b>0.97</b>	<b>1.20</b>	<b>38.7</b>	<b>1.07</b>	<b>0.99</b>	<b>1.16</b>	<b>0</b>	<b>1.02</b>	<b>0.82</b>	<b>1.28</b>	<b>27.13</b>	<b>0.87</b>	<b>0.58</b>	<b>1.30</b>	<b>85.92</b>
	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
GCSE/equivalent vs Higher education/Degree	Unadjusted	0.99	0.87	1.14	62.23	1.03	0.95	1.12	0	0.98	0.75	1.27	53.81	1.03	0.91	1.16	0
	<b>Basic adjustment</b>	<b>1.00</b>	<b>0.87</b>	<b>1.14</b>	<b>59.18</b>	<b>1.01</b>	<b>0.91</b>	<b>1.12</b>	<b>15.22</b>	<b>1.04</b>	<b>0.77</b>	<b>1.39</b>	<b>62.34</b>	<b>1.05</b>	<b>0.93</b>	<b>1.18</b>	<b>0</b>
	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/equivalent vs Higher education/Degree	Unadjusted	1.06	0.88	1.28	76.55	1.09	0.92	1.29	52.88	1.07	0.74	1.54	69.78	1.45	1.28	1.64	0
	<b>Basic adjustment</b>	<b>1.05</b>	<b>0.91</b>	<b>1.21</b>	<b>53.17</b>	<b>1.01</b>	<b>0.86</b>	<b>1.18</b>	<b>42.42</b>	<b>1.17</b>	<b>0.82</b>	<b>1.67</b>	<b>63.42</b>	<b>1.26</b>	<b>1.11</b>	<b>1.44</b>	<b>0</b>
	Full adjustment	0.87	0.75	1.00	34.17	0.90	0.54	1.50	58.54	1.17	0.39	3.49	60.69	1.53	0.34	6.85	71.25
<b>Occupational class</b>																	



Intermediate vs Managerial/Admin/Professional	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
	<b>Basic adjustment</b>	<b>1.07</b>	<b>0.99</b>	<b>1.15</b>	<b>0</b>	<b>1.01</b>	<b>0.93</b>	<b>1.10</b>	<b>0</b>	<b>1.10</b>	<b>0.88</b>	<b>1.38</b>	<b>26.19</b>	<b>1.16</b>	<b>1.03</b>	<b>1.31</b>	<b>0</b>
	Full adjustment	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/Routine vs Managerial/Admin/Professional	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
	<b>Basic adjustment</b>	<b>1.17</b>	<b>1.08</b>	<b>1.27</b>	<b>0</b>	<b>1.07</b>	<b>0.93</b>	<b>1.23</b>	<b>28.46</b>	<b>1.36</b>	<b>1.11</b>	<b>1.67</b>	<b>8.93</b>	<b>1.17</b>	<b>1.03</b>	<b>1.33</b>	<b>0</b>
	Full adjustment	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 Managerial/Admin/Professional	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
	<b>Basic adjustment</b>	<b>1.51</b>	<b>1.12</b>	<b>2.04</b>	<b>79.69</b>	<b>1.46</b>	<b>1.16</b>	<b>1.84</b>	<b>47.81</b>	<b>2.45</b>	<b>1.72</b>	<b>3.50</b>	<b>45.5</b>	<b>1.81</b>	<b>1.17</b>	<b>2.80</b>	<b>73.85</b>
	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

\*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	I2%
Female vs. Male	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
	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
Age		OR	Lower CI	Upper CI	I2%
16-24y vs 45-54y	Overall	0.76	0.39	1.46	71.95
	Not shielding	0.79	0.40	1.56	70.32
	Shielding	0.64	0.23	1.78	
25-34y vs 45-54y	Overall	0.85	0.70	1.04	47.62
	Not shielding	0.86	0.70	1.06	43.4
	Shielding	1.09	0.61	1.95	0
35-44y vs 45-54y	Overall	0.92	0.74	1.15	68.24
	Not shielding	0.95	0.74	1.21	68.26
	Shielding	0.68	0.34	1.34	47.41
55-64y vs 45-54y	Overall	1.18	0.99	1.39	64.04
	Not shielding	1.21	1.02	1.43	53.82
	Shielding	1.24	0.87	1.77	0
65-74y vs 45-54y	Overall	1.39	1.13	1.72	77.16
	Not shielding	1.44	1.20	1.72	64.1
	Shielding	1.11	0.79	1.56	0
75y+ vs 45-54y	Overall	1.50	0.93	2.39	91.23
	Not shielding	1.61	1.17	2.22	79.38
	Shielding	0.83	0.51	1.37	32.84
Ethnicity		OR	Lower CI	Upper CI	I2%
Non-White vs White*	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
	16-24y	1.30	0.89	1.89	0
	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

	75+	1.28	0.67	2.45	0
Black vs White	Overall	1.38	1.03	1.84	0
	Not shielding	0.80	0.43	1.49	58.06
	Shielding	1.60	0.67	3.83	0
	16-24y	1.15	0.51	2.59	0
	25-34y	0.82	0.40	1.68	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
East Asian vs White	Overall	1.13	0.67	1.90	0
	Not shielding	0.95	0.54	1.68	0
	Shielding		no information		
	16-24y	0.01	0.00	0.05	
	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
	75+		no information		
Mixed vs White	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
	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
South Asian vs White	Overall	1.05	0.84	1.32	28.25
	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
	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
Other Ethnicity vs White	Overall	0.90	0.49	1.63	44.27
	Not shielding	0.85	0.45	1.62	43.11
	Shielding	0.75	0.11	4.96	10.15
	16-24y	0.18	0.00	15.35	88.56
	25-34y	0.80	0.31	2.08	49.28

	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	
<b>Education</b>		<b>OR</b>	<b>Lower CI</b>	<b>Upper CI</b>	<b>I2%</b>
A-level/equivalent vs Higher education/Degree	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
	16-24y	1.33	0.93	1.90	0
	25-34y	0.99	0.69	1.42	62.16
	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
GCSE/equivalent vs Higher education/Degree	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
	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
<GCSE/equivalent vs Higher education/Degree	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
	16-24y	0.77	0.47	1.28	11.51
	25-34y	0.99	0.67	1.45	42.2
	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
<b>Occupational class</b>		<b>OR</b>	<b>Lower CI</b>	<b>Upper CI</b>	<b>I2%</b>
Intermediate vs Managerial/Admin/P rofessional	Overall	1.07	0.99	1.15	0
	Not shielding	1.07	0.98	1.16	0
	Shielding	0.87	0.65	1.16	7.88
	16-24y	0.92	0.60	1.41	0
	25-34y	1.04	0.84	1.29	10.79
	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 Managerial/Admin/P rofessional	16-24y	1.15	0.77	1.71	0
	25-34y	1.11	0.80	1.55	50.55
	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
	Not shielding	1.48	1.04	2.09	83.37
	Shielding	0.89	0.39	2.07	78.87
Other social class vs Managerial/Admin/P rofessional	16-24y	1.02	0.46	2.26	58.35
	25-34y	1.85	1.29	2.64	0
	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

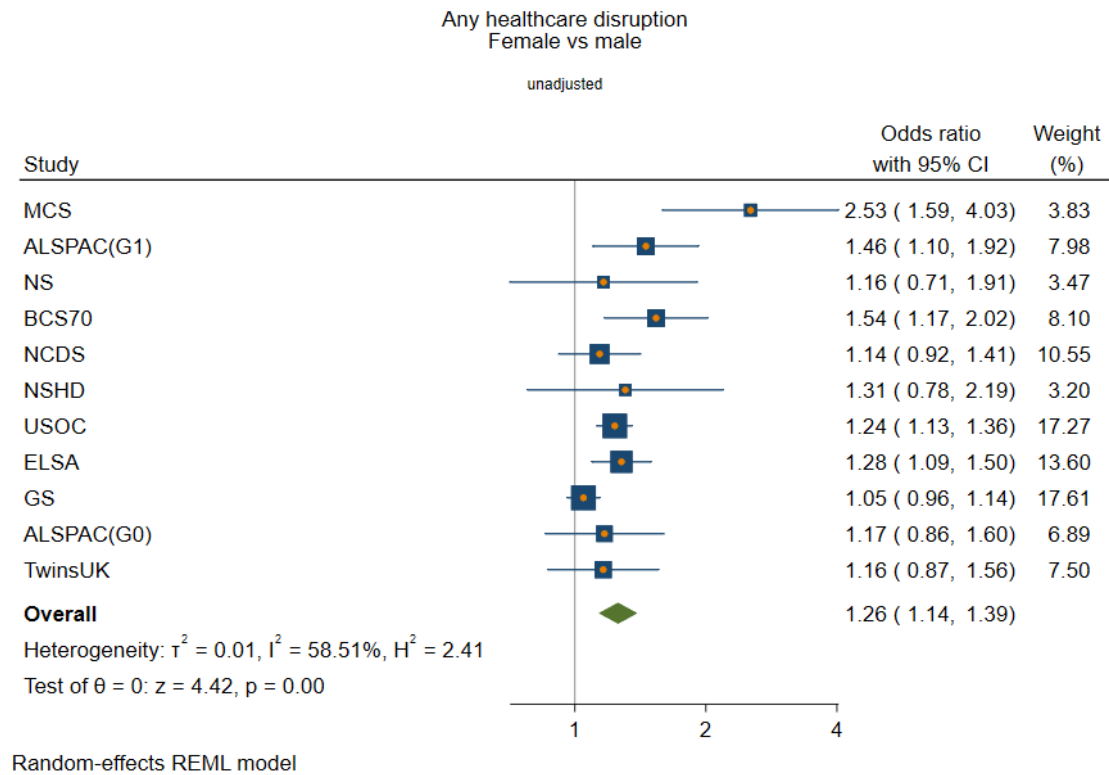
Adjusted for sex, age, and ethnicity (where available)

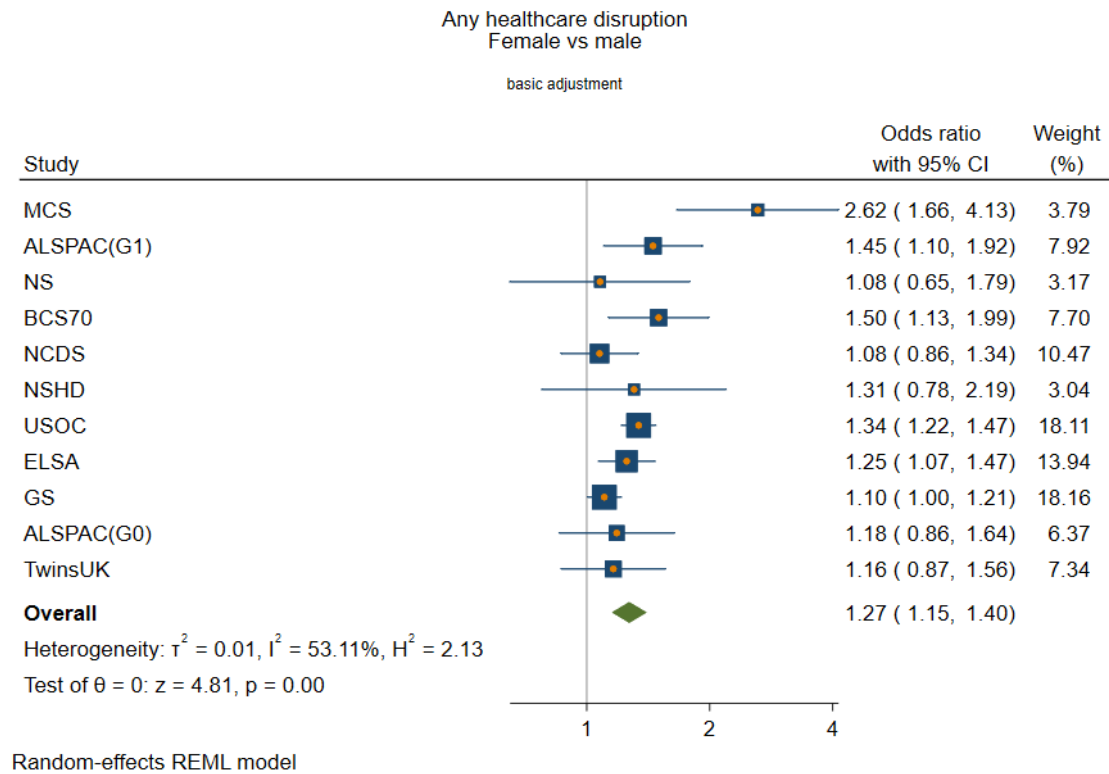
Empty I<sup>2</sup>% column indicates only one study included

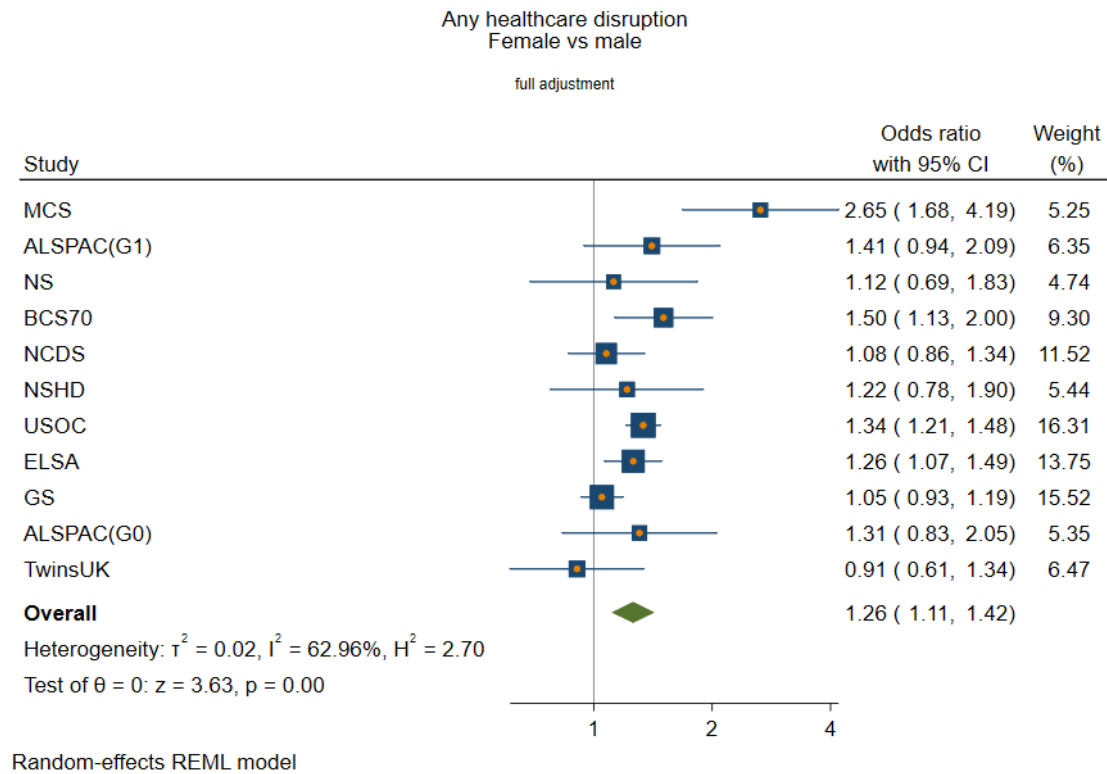
\*Binary variable including Black, East Asian, Mixed, South Asian, and other ethnicity in 'non-White'

## Any healthcare disruption

Sex  
Unadjusted

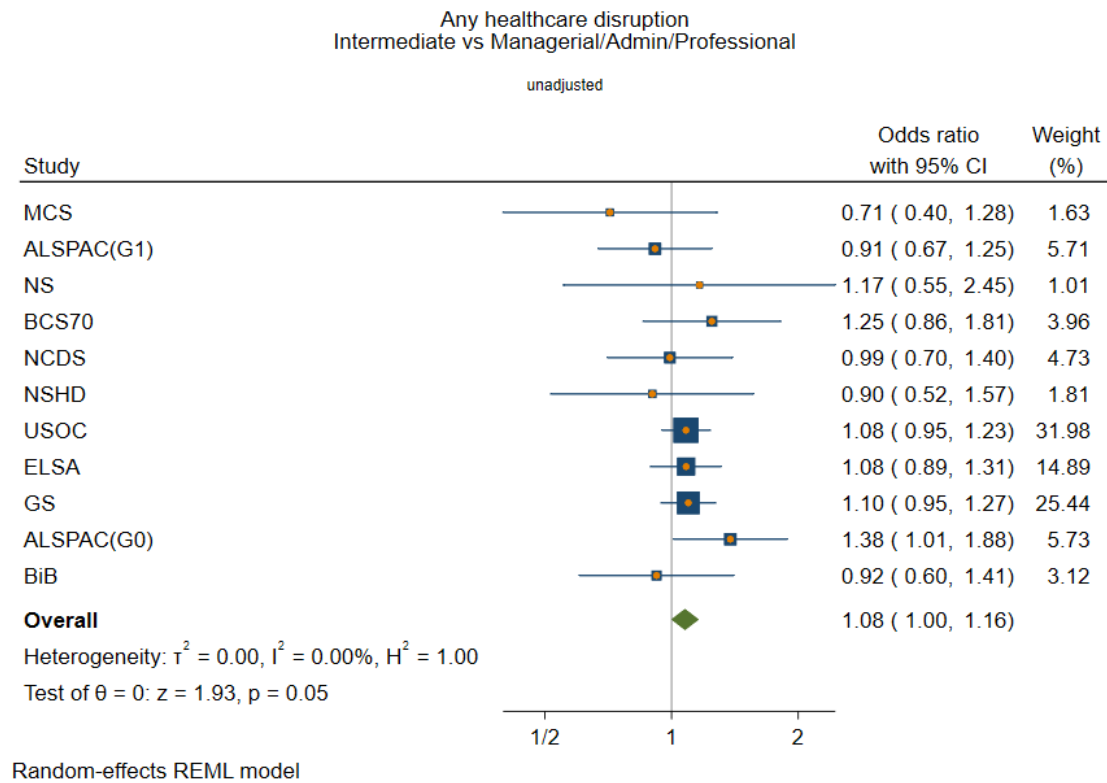


Basic adjustment

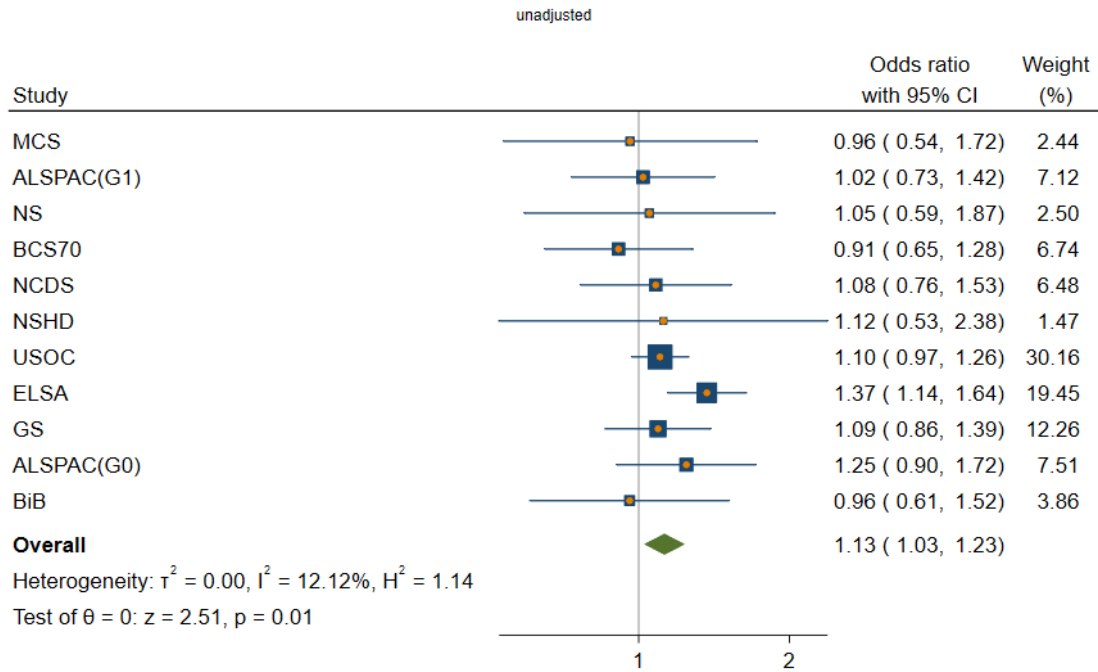
Full adjustment



*Occupational class*  
Unadjusted

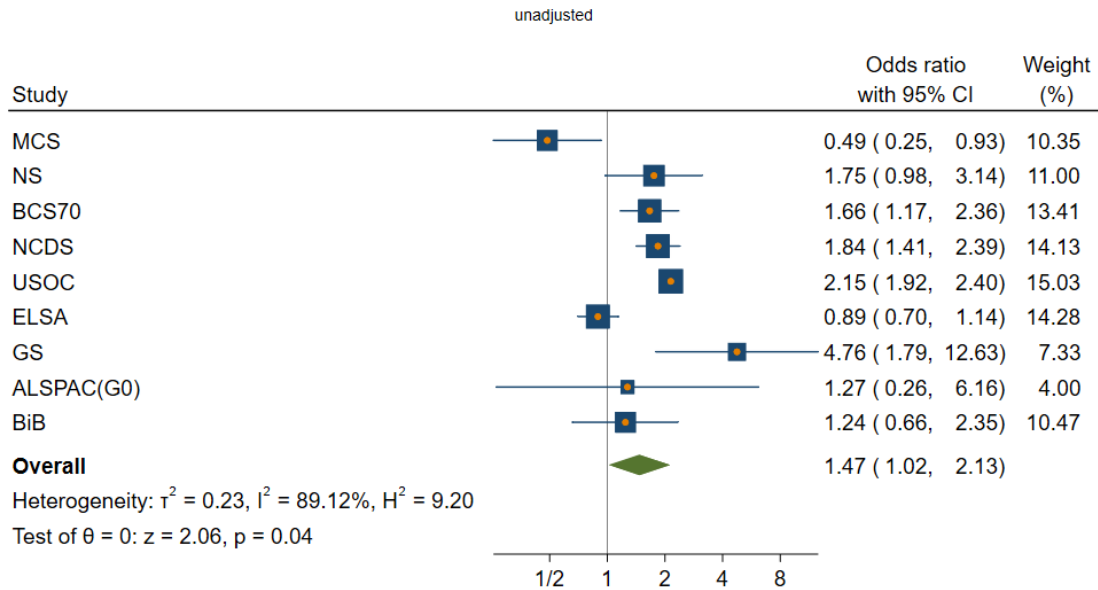


Any healthcare disruption  
Manual/Routine vs Managerial/Admin/Professional

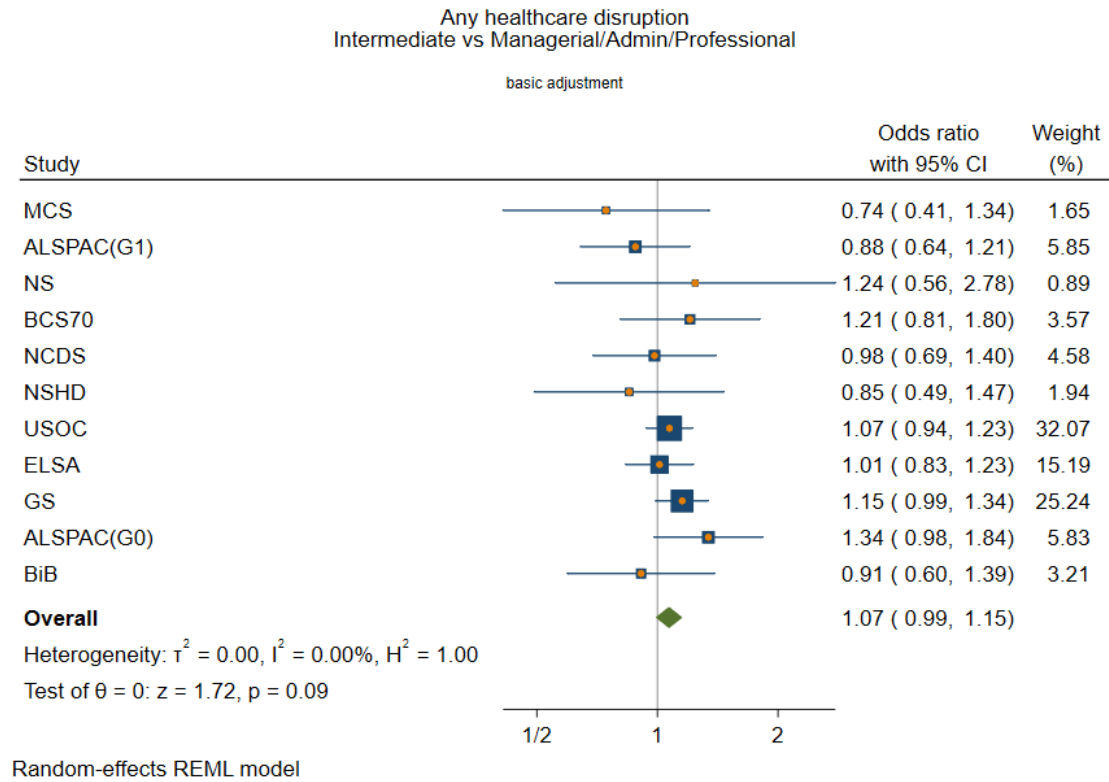


Random-effects REML model

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

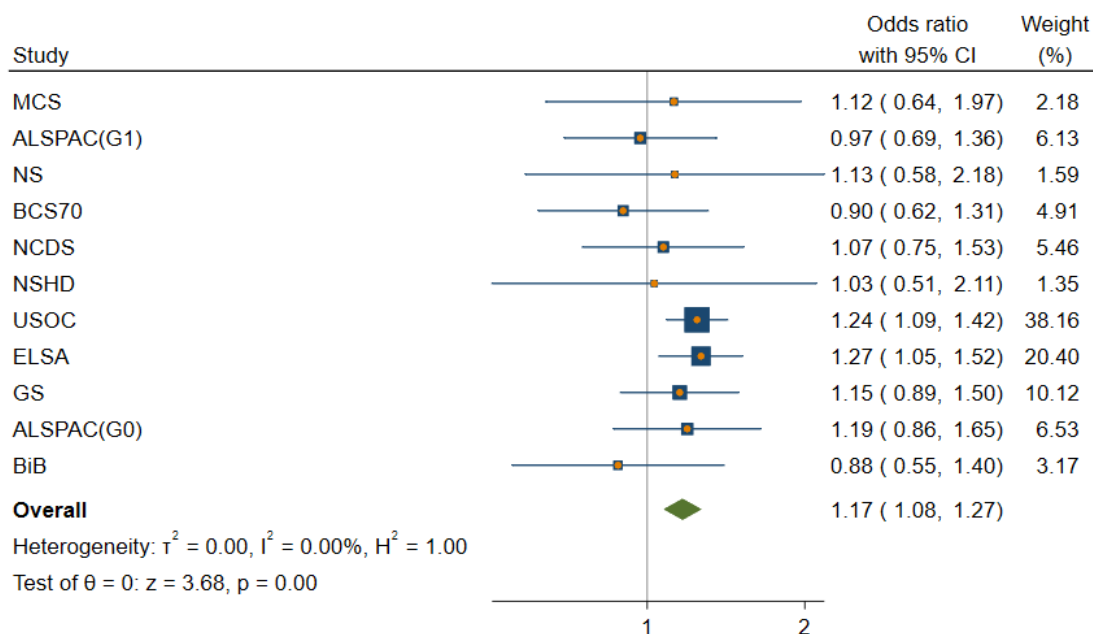


Random-effects REML model

Basic adjustment

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

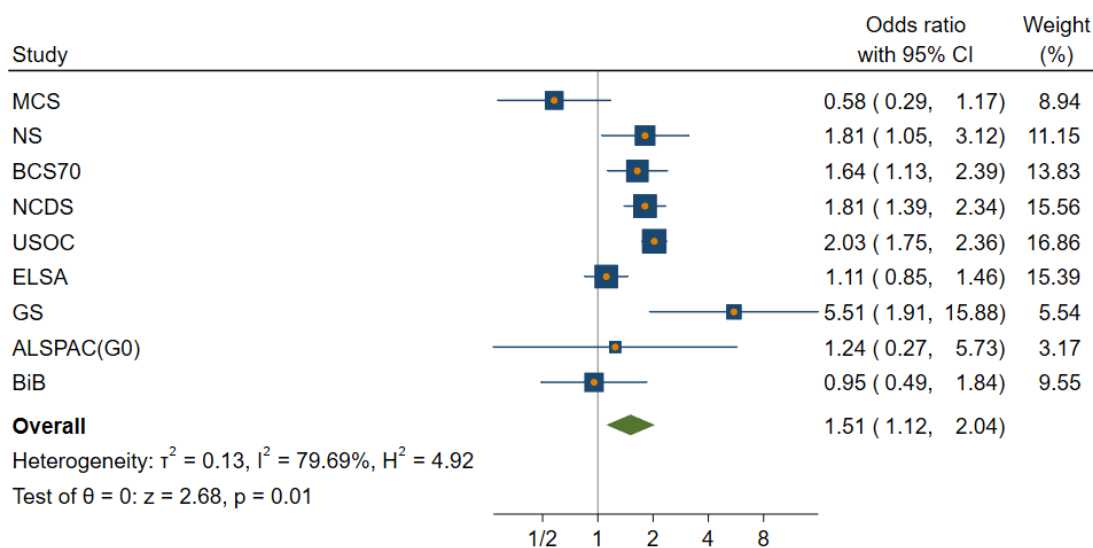
basic adjustment



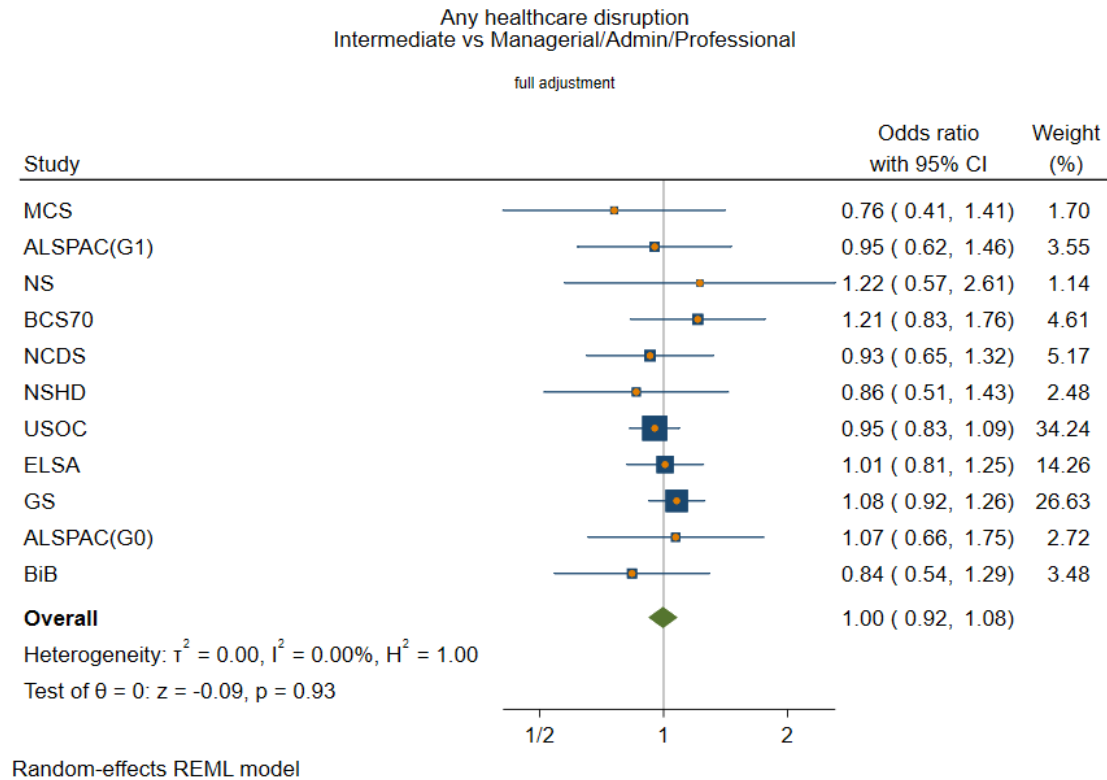
Random-effects REML model

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

basic adjustment

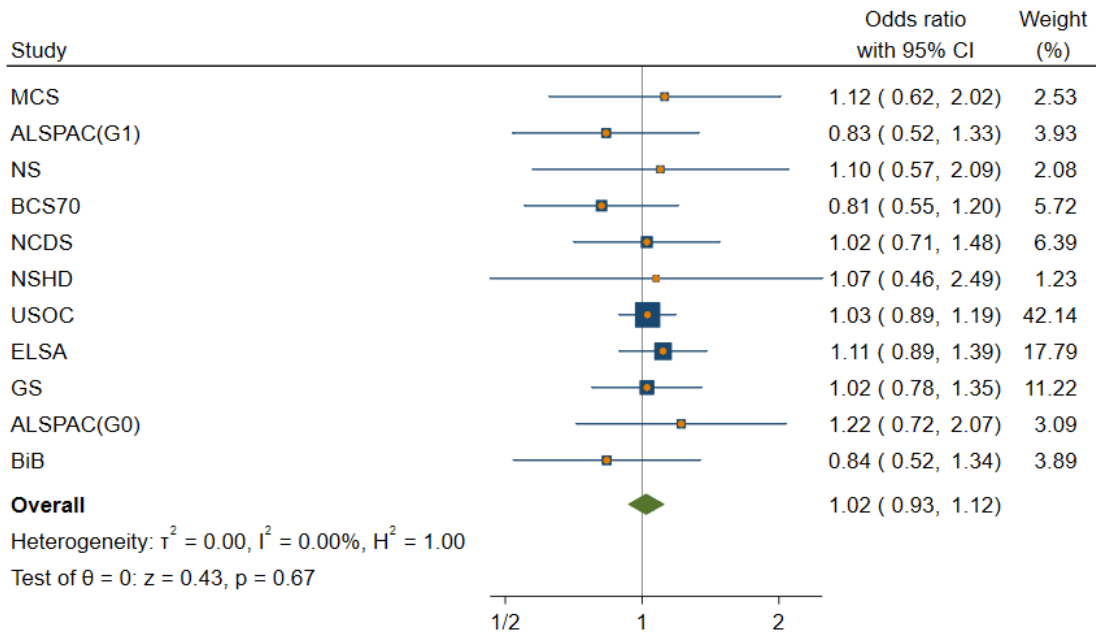


Random-effects REML model

Full adjustment

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

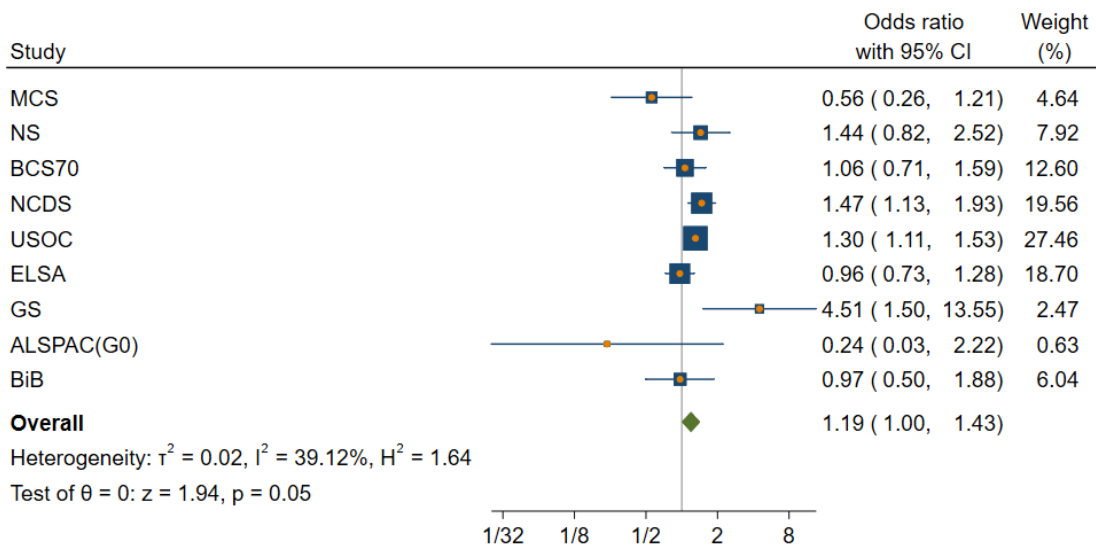
full adjustment



Random-effects REML model

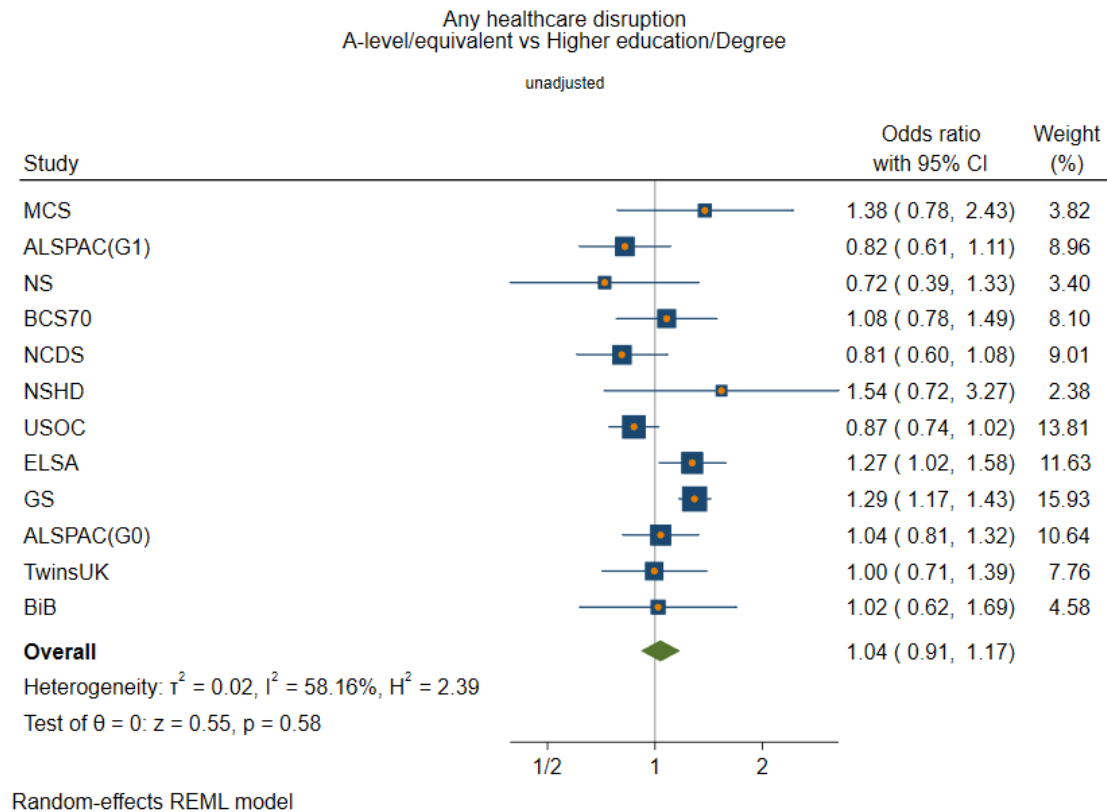
Any healthcare disruption  
Other social class vs Managerial/Admin/Professional

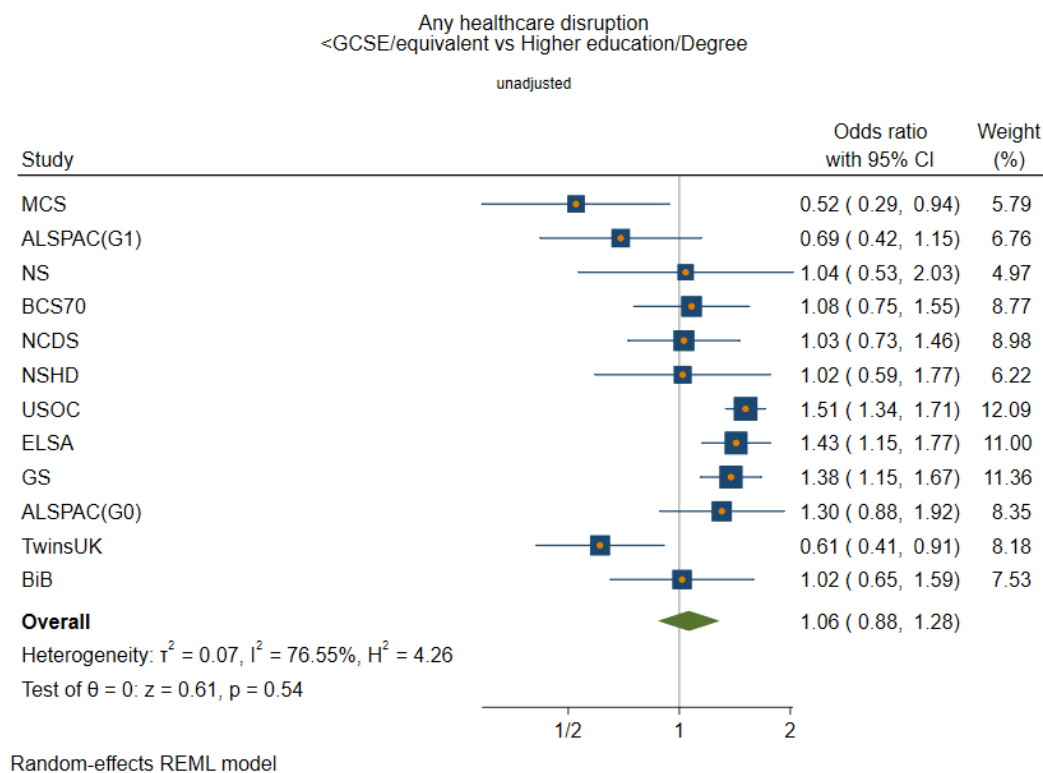
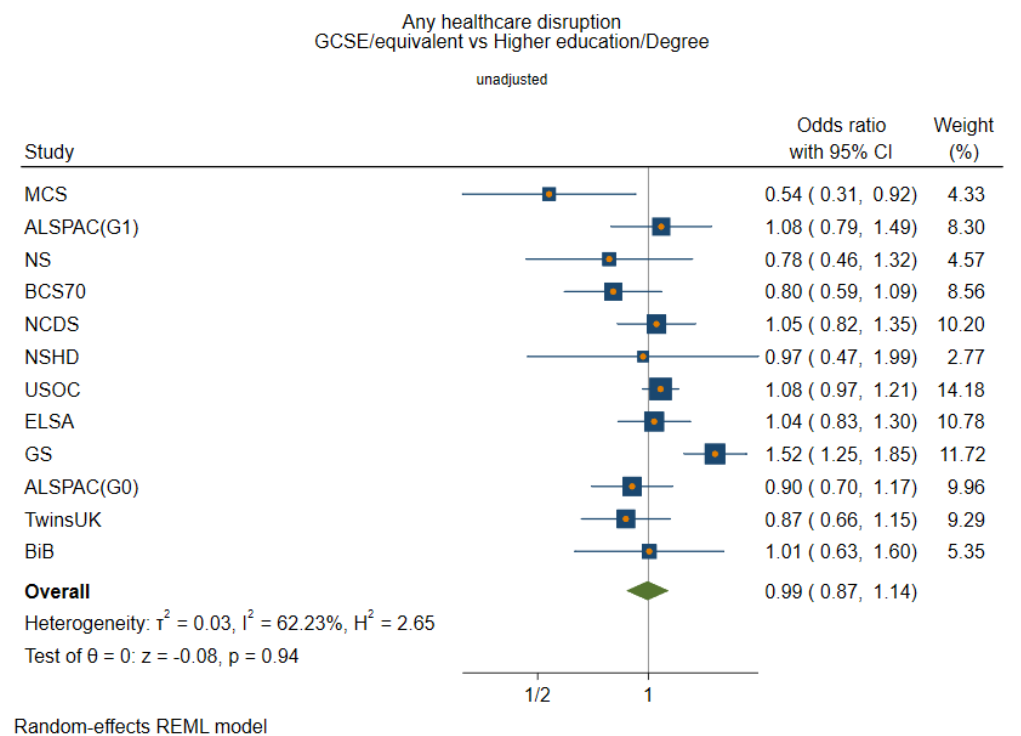
full adjustment



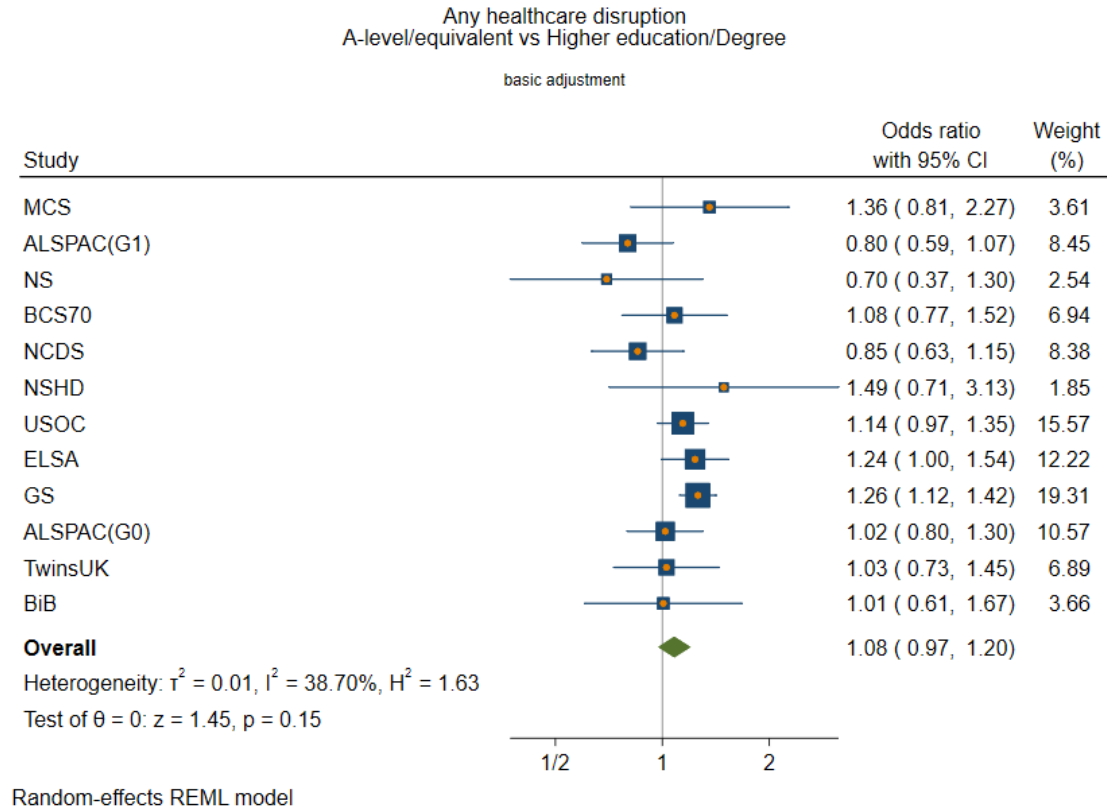
Random-effects REML model

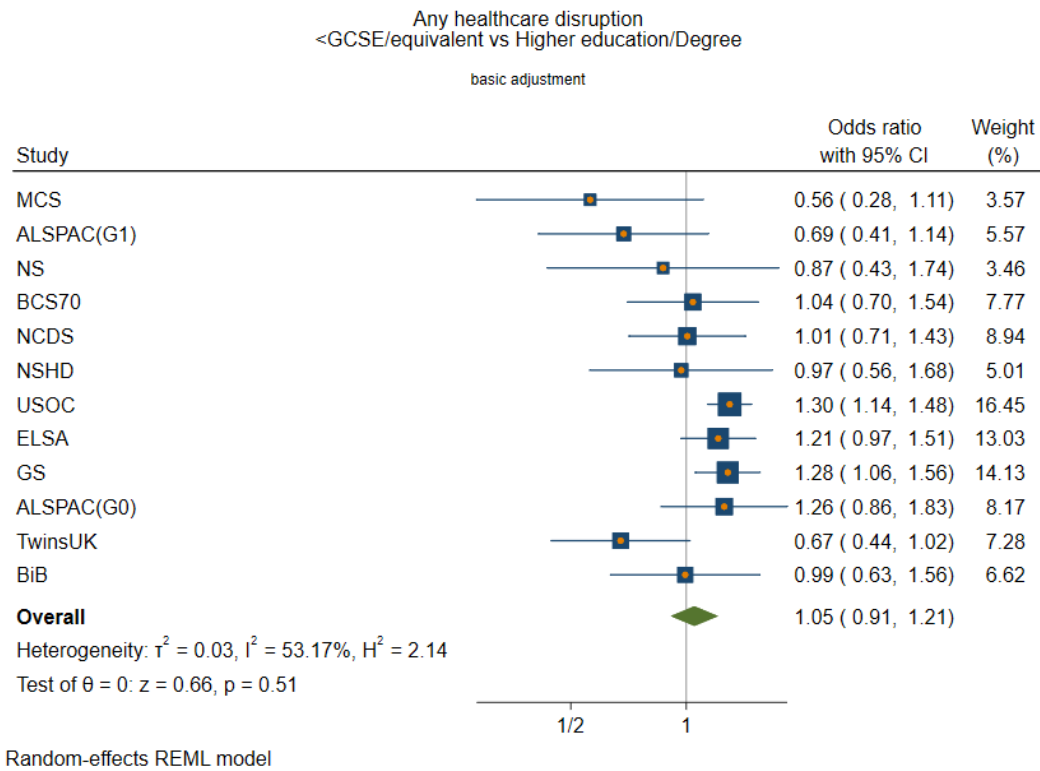
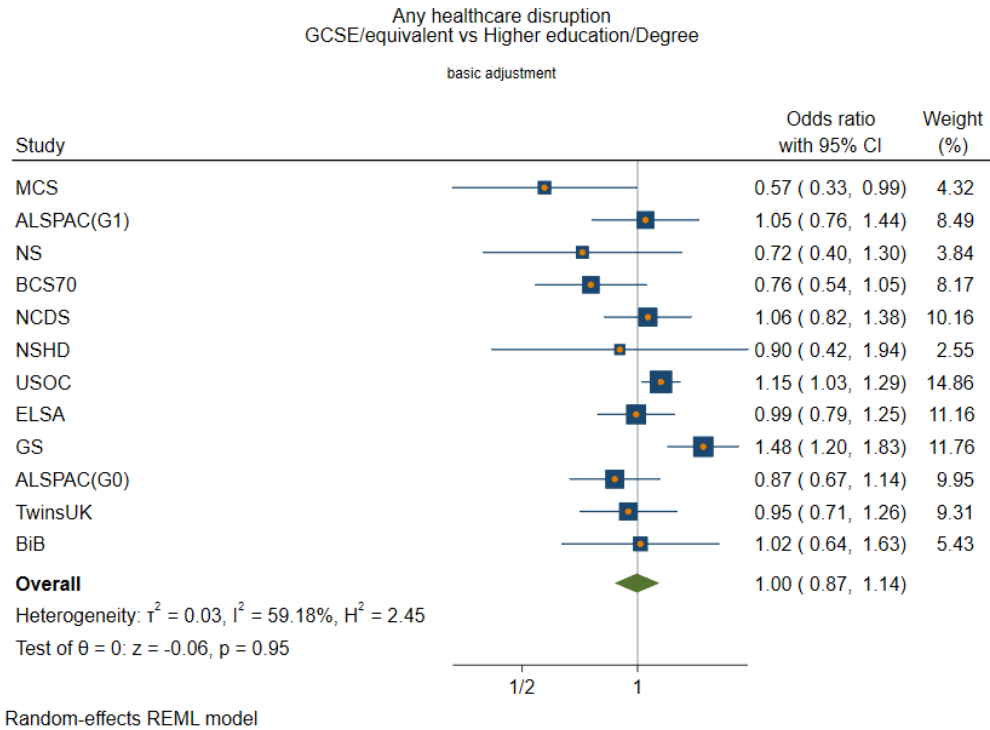
*Education*  
Unadjusted

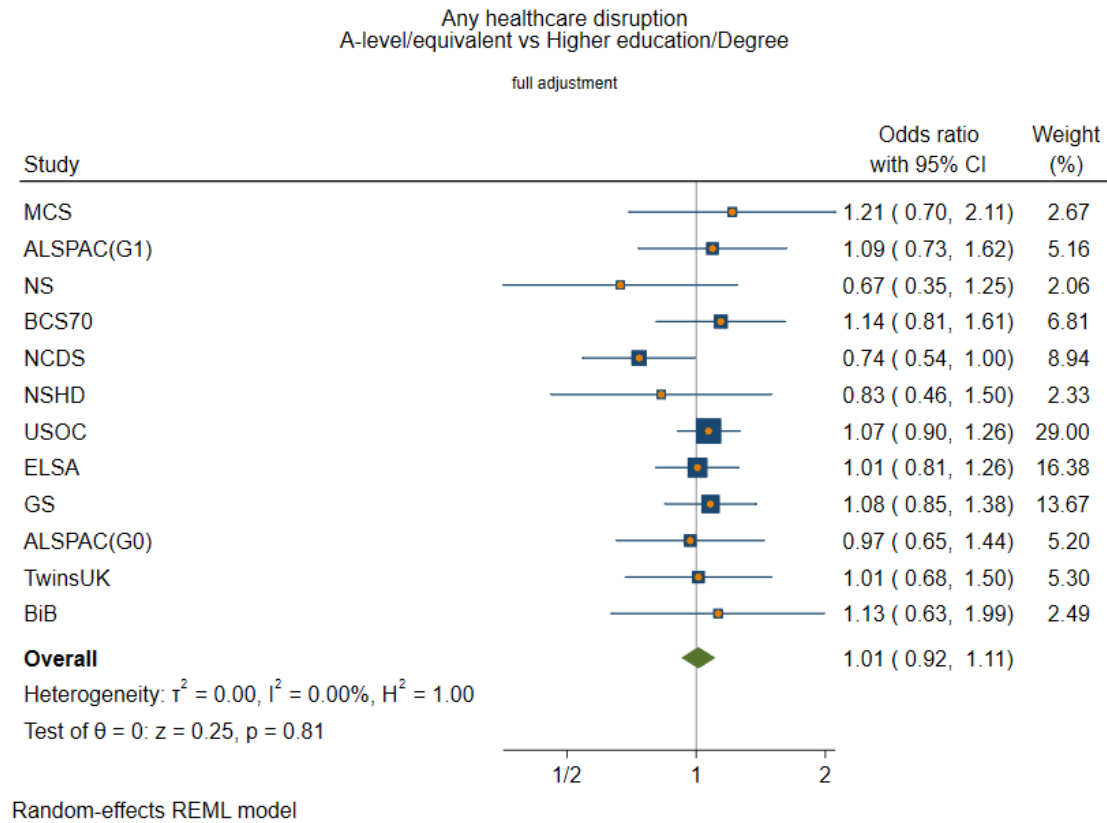




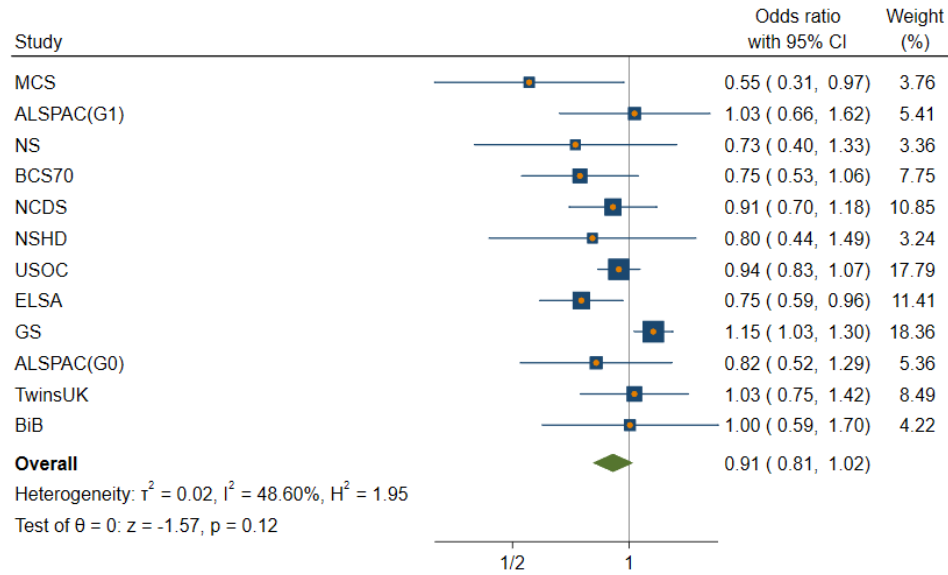


Basic adjustment



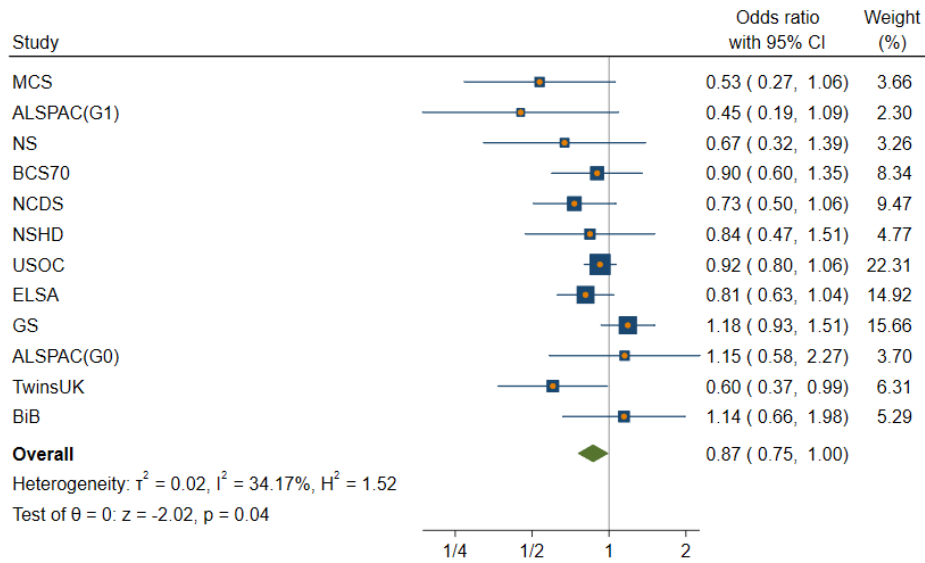
Full adjustment

Any healthcare disruption  
GCSE/equivalent vs Higher education/Degree  
full adjustment



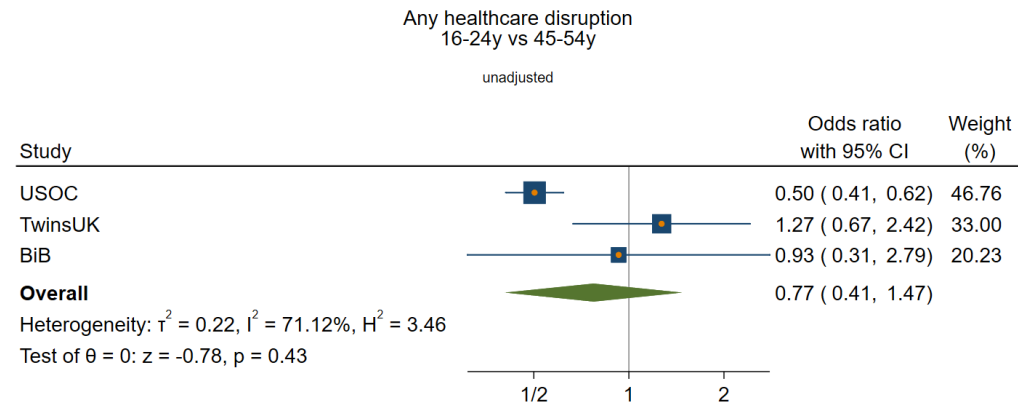
Random-effects REML model

Any healthcare disruption  
<GCSE/equivalent vs Higher education/Degree  
full adjustment

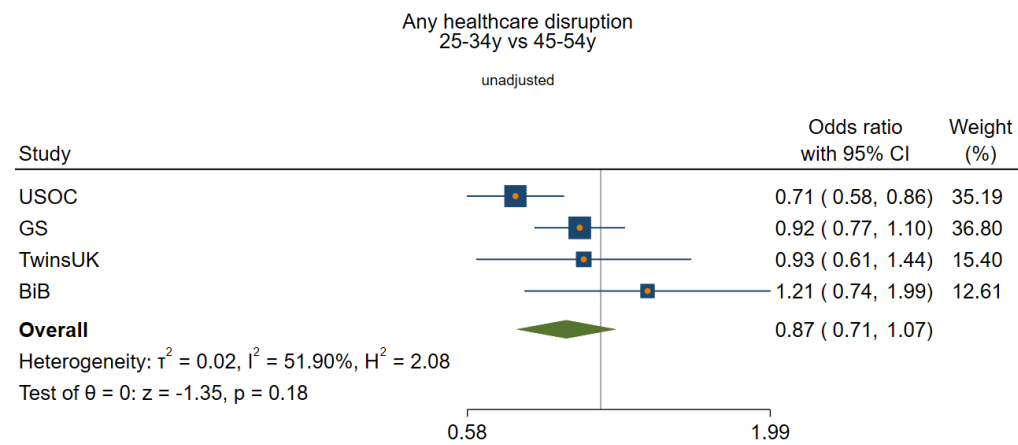


Random-effects REML model

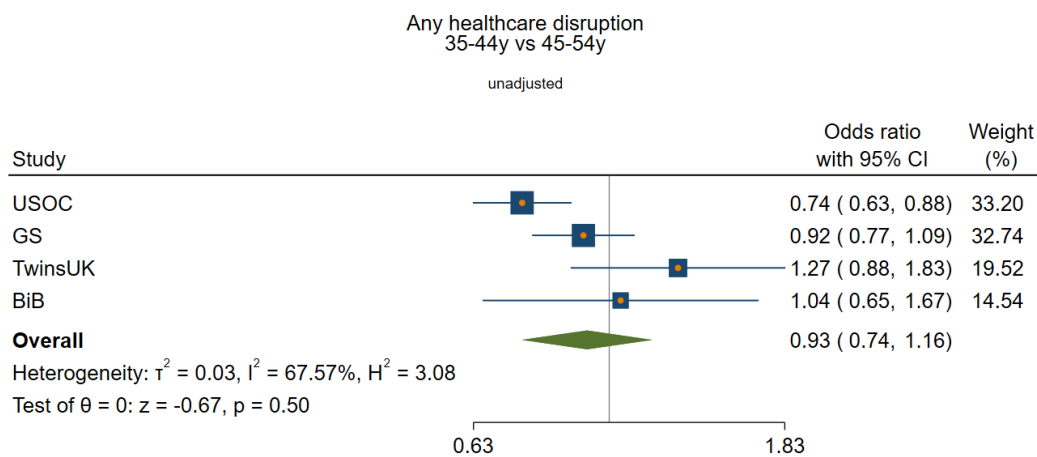
Age  
Unadjusted



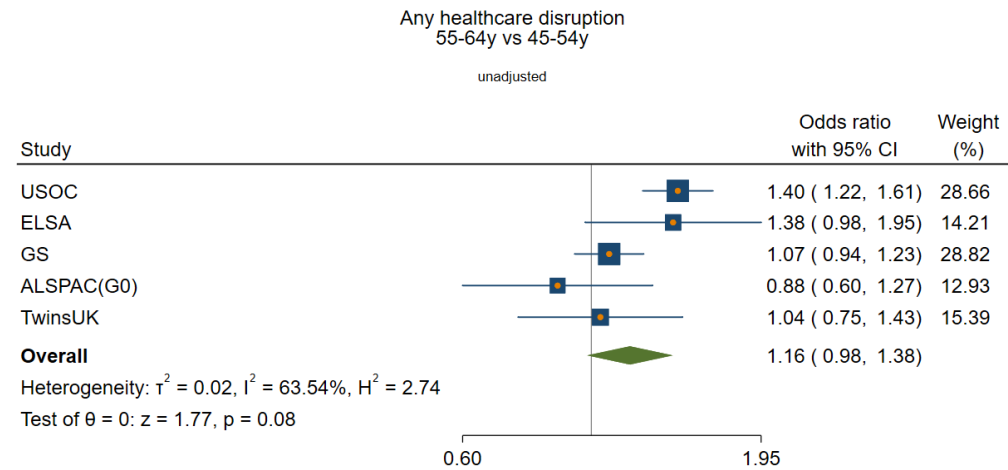
Random-effects REML model



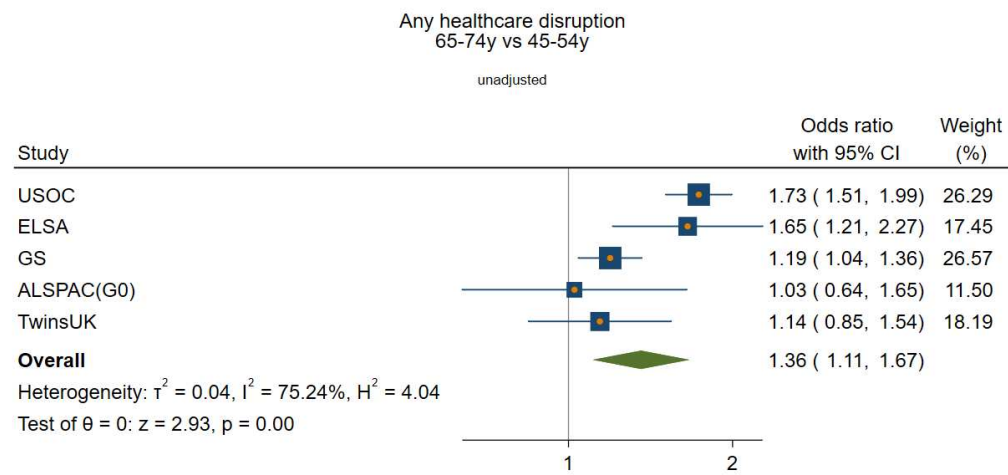
Random-effects REML model



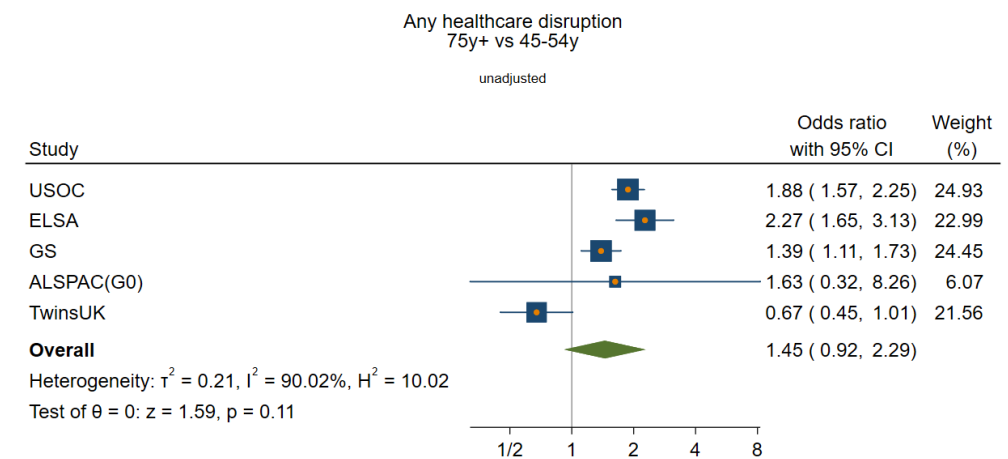
Random-effects REML model



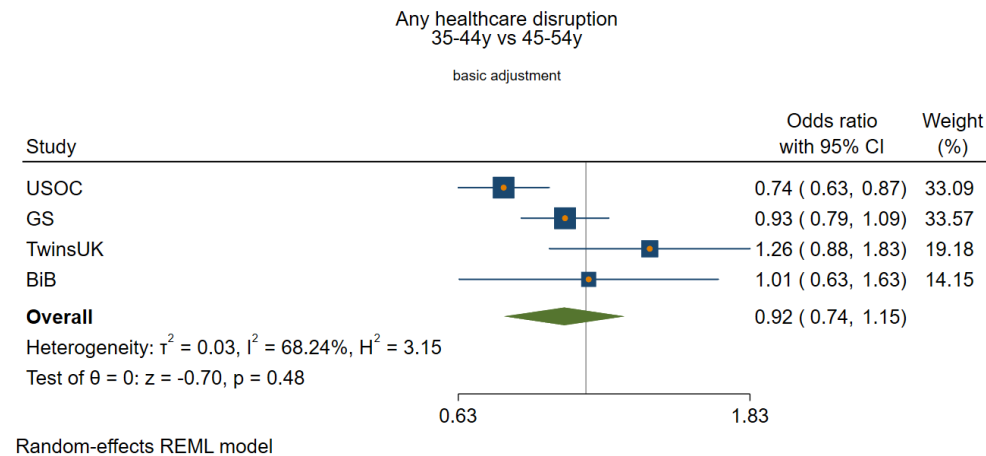
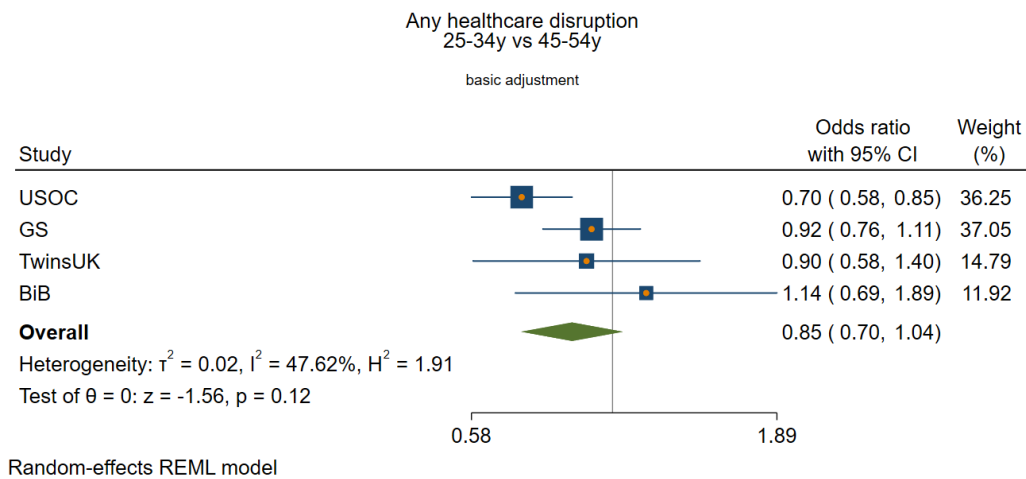
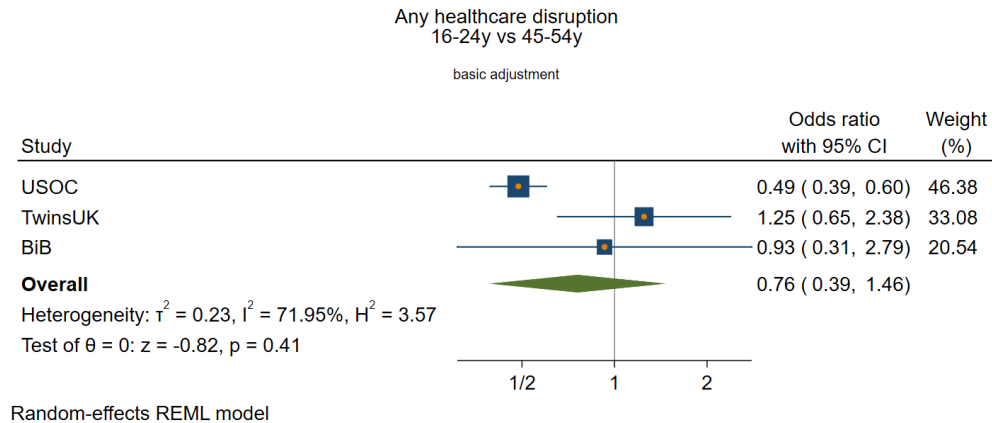
Random-effects REML model



Random-effects REML model

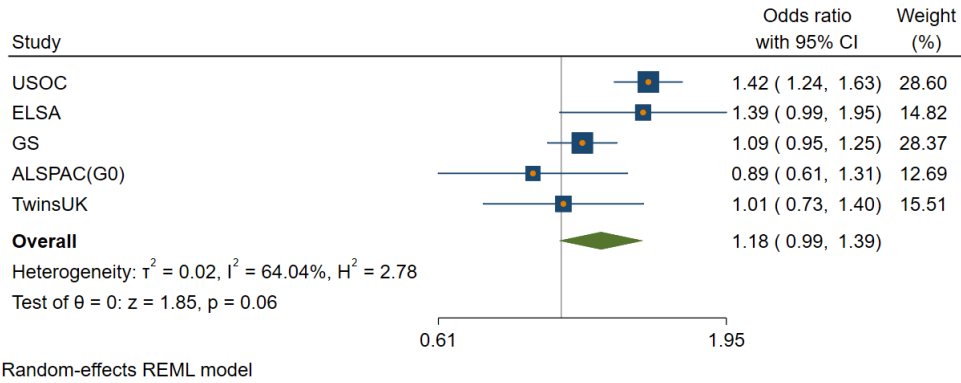


Random-effects REML model

Basic adjustment

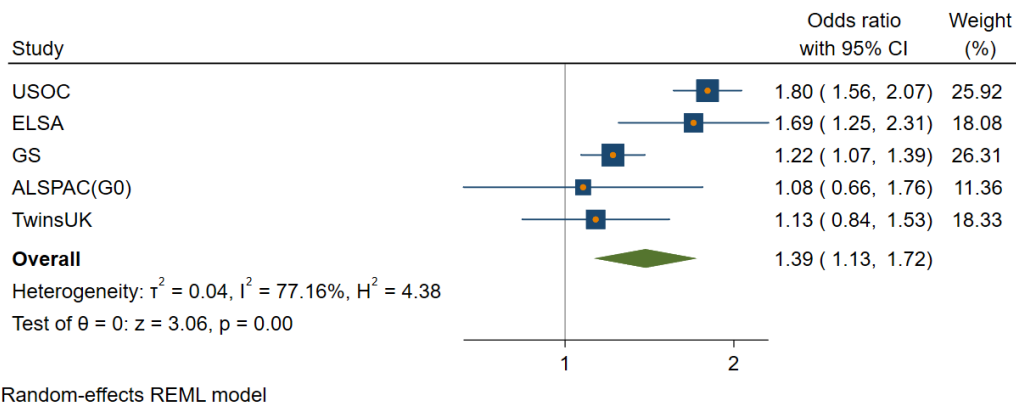
Any healthcare disruption  
55-64y vs 45-54y

basic adjustment



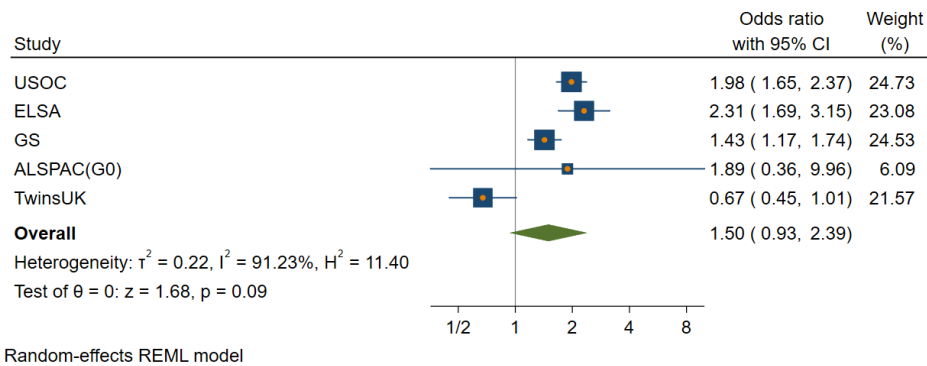
Any healthcare disruption  
65-74y vs 45-54y

basic adjustment

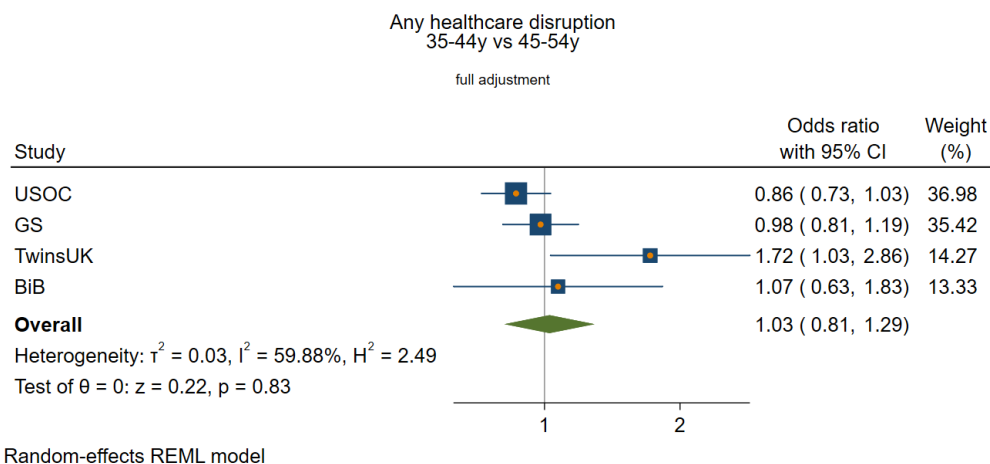
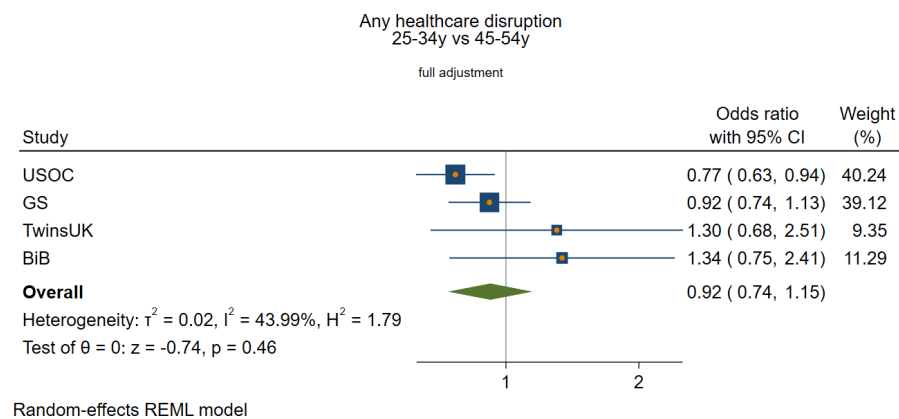
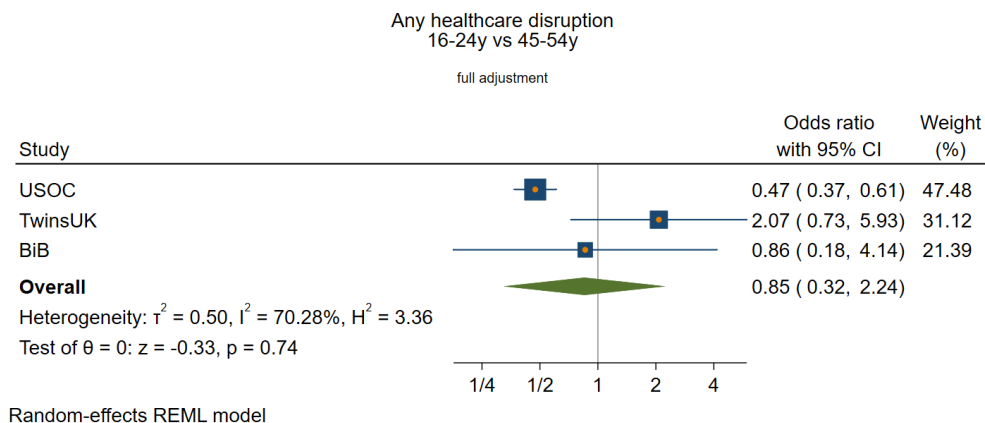


Any healthcare disruption  
75y+ vs 45-54y

basic adjustment

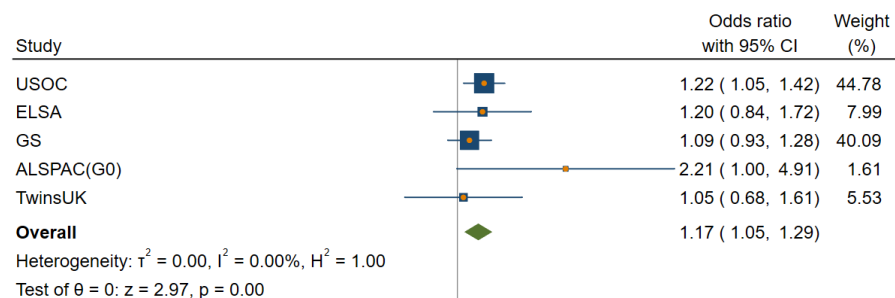




Full adjustment

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

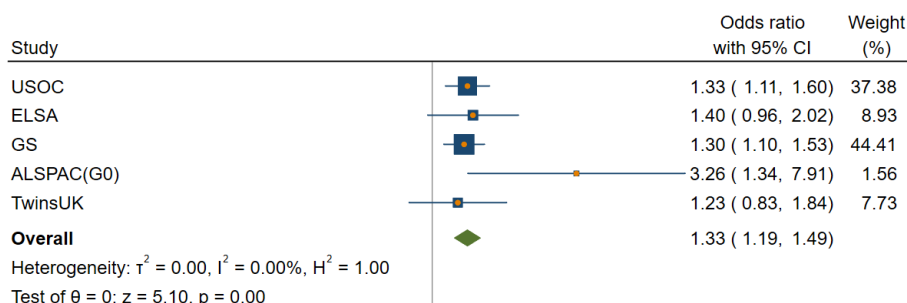
full adjustment



Random-effects REML model

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

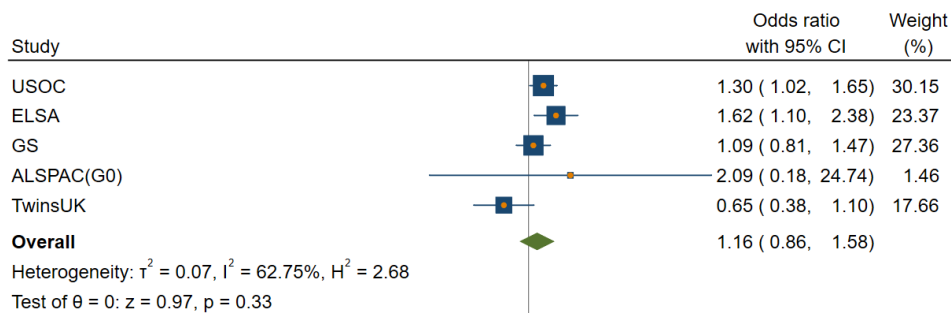
full adjustment



Random-effects REML model

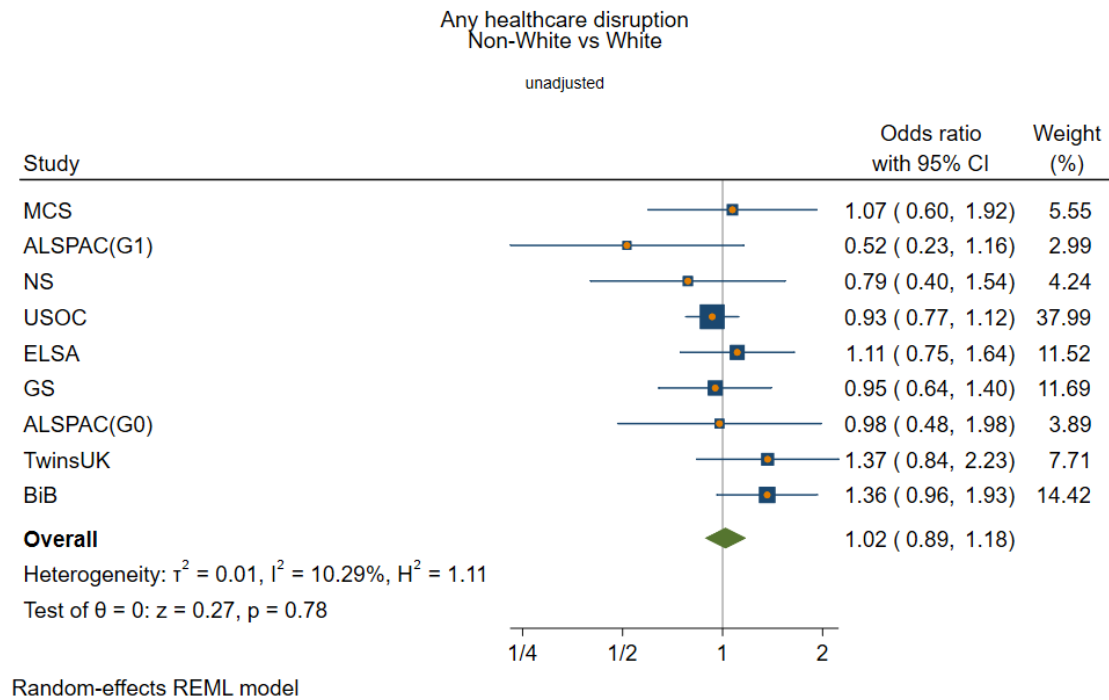
Any healthcare disruption  
75y+ vs 45-54y

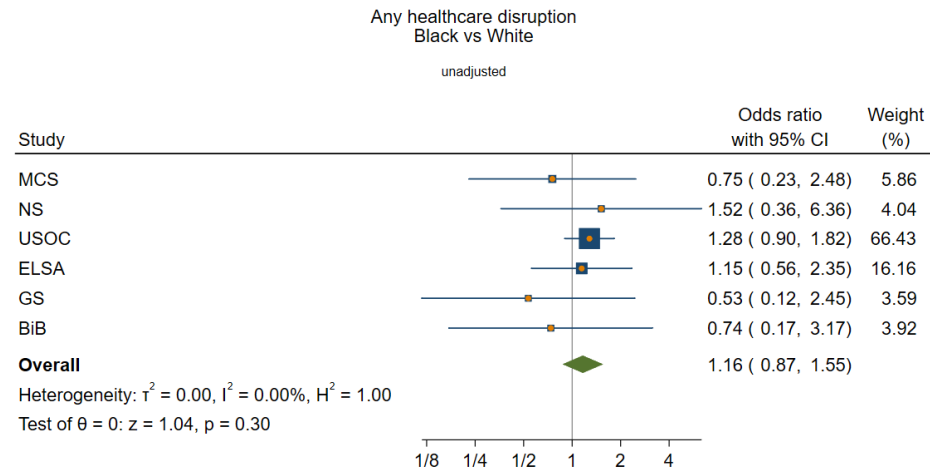
full adjustment



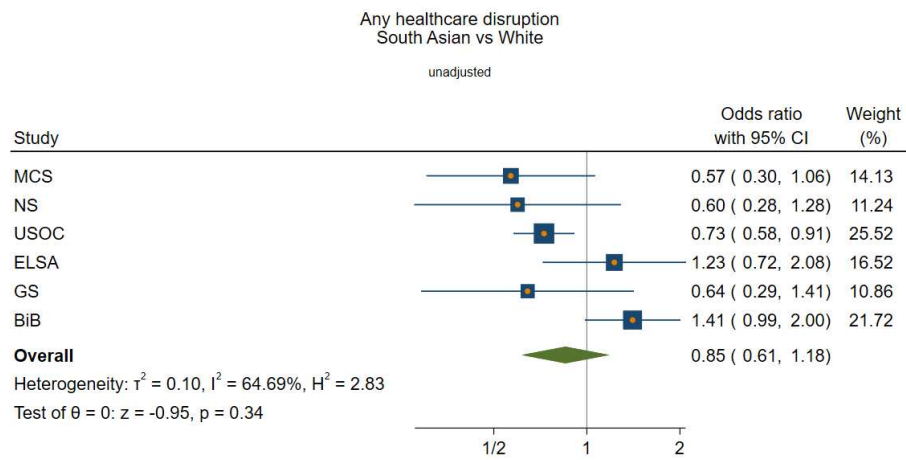
Random-effects REML model

*Ethnicity*  
Unadjusted

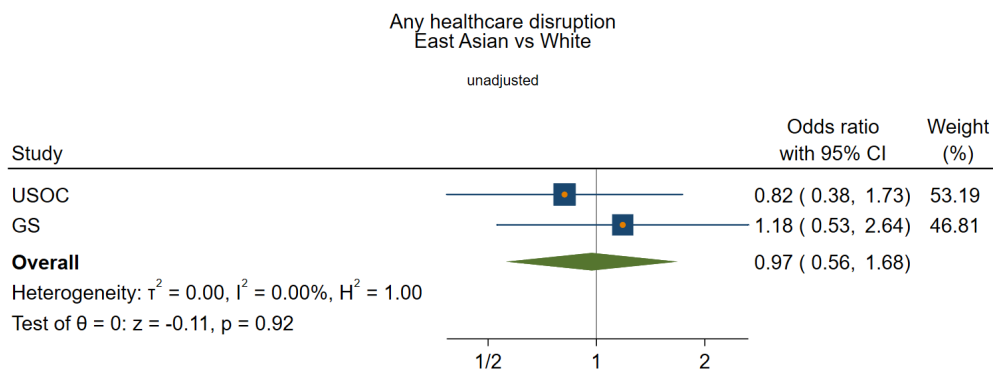




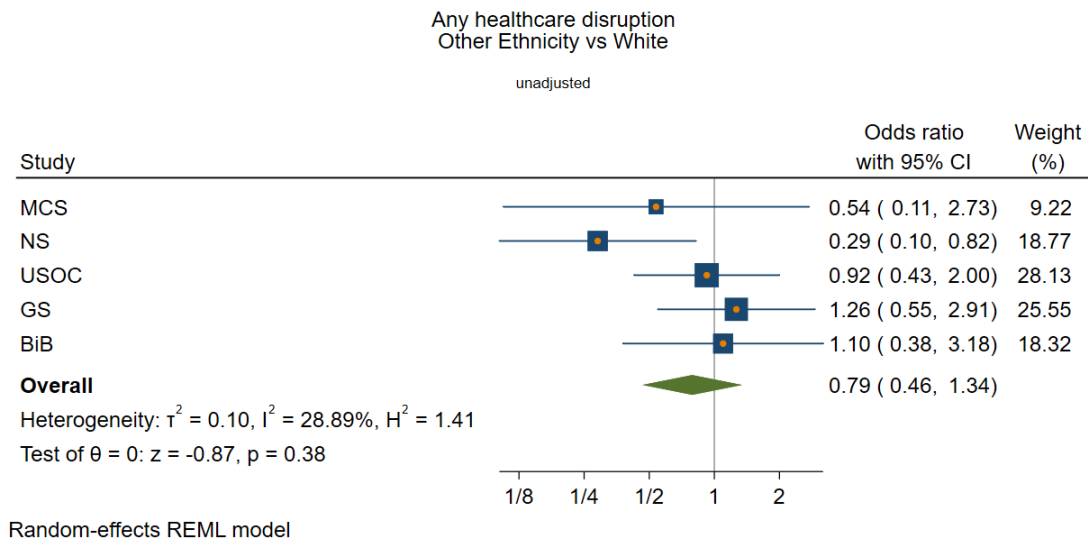
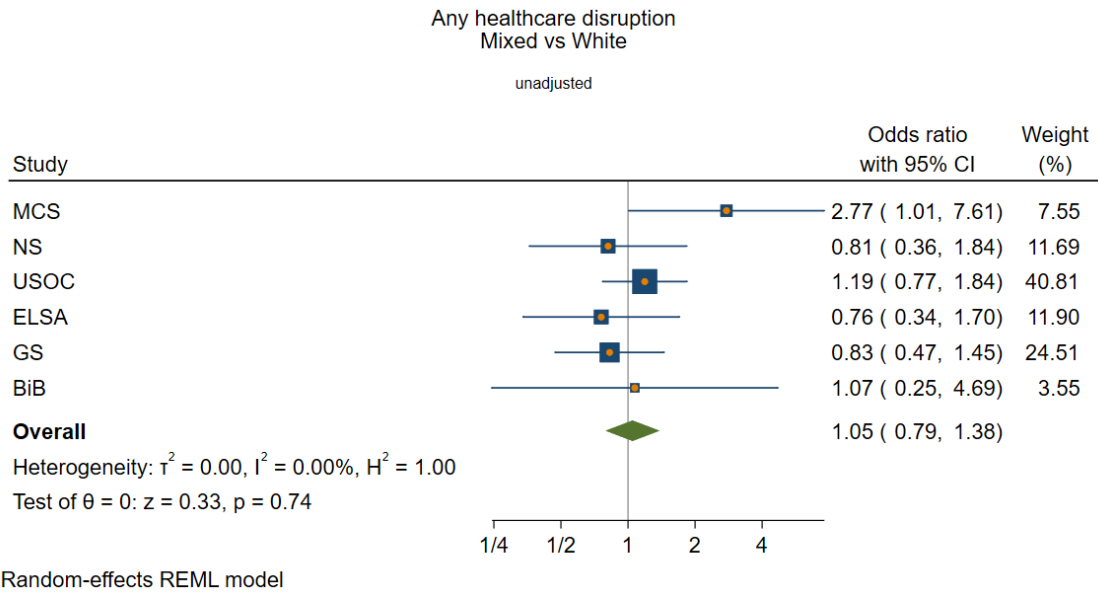
Random-effects REML model



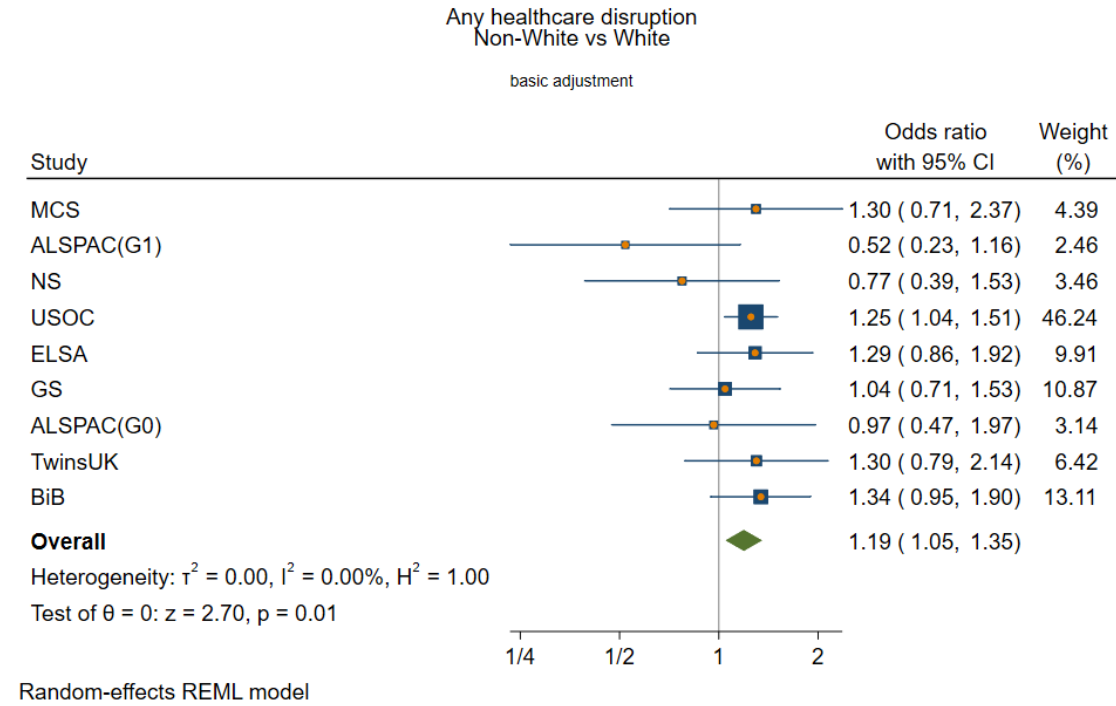
Random-effects REML model

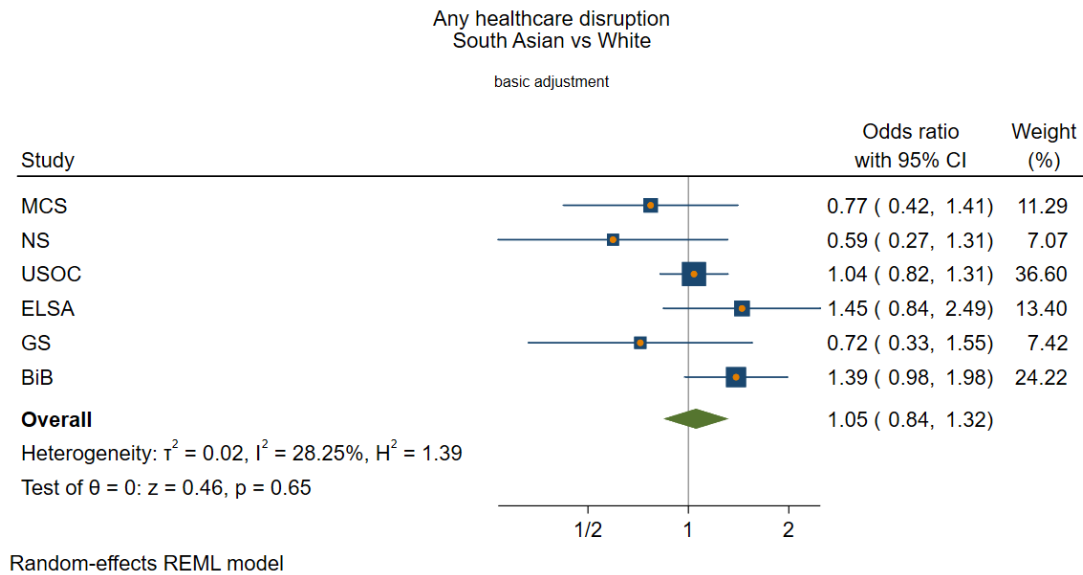
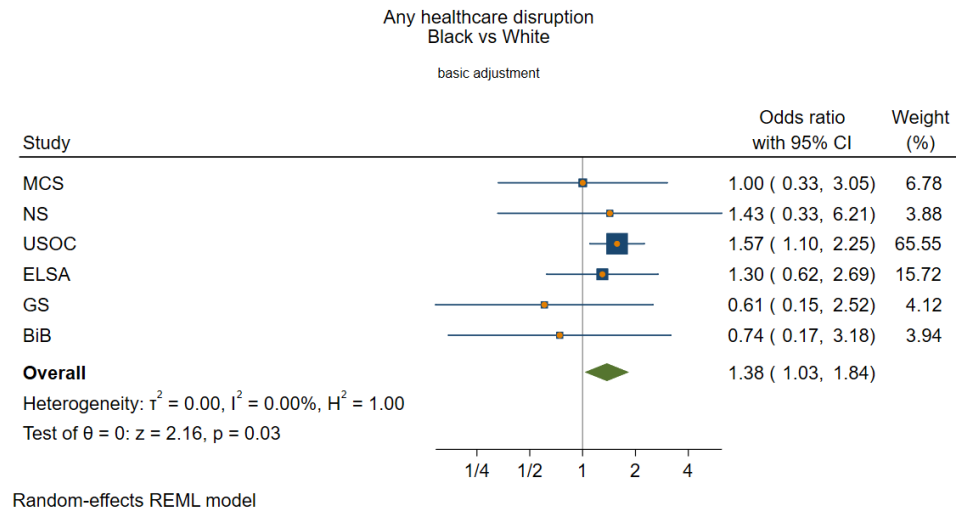


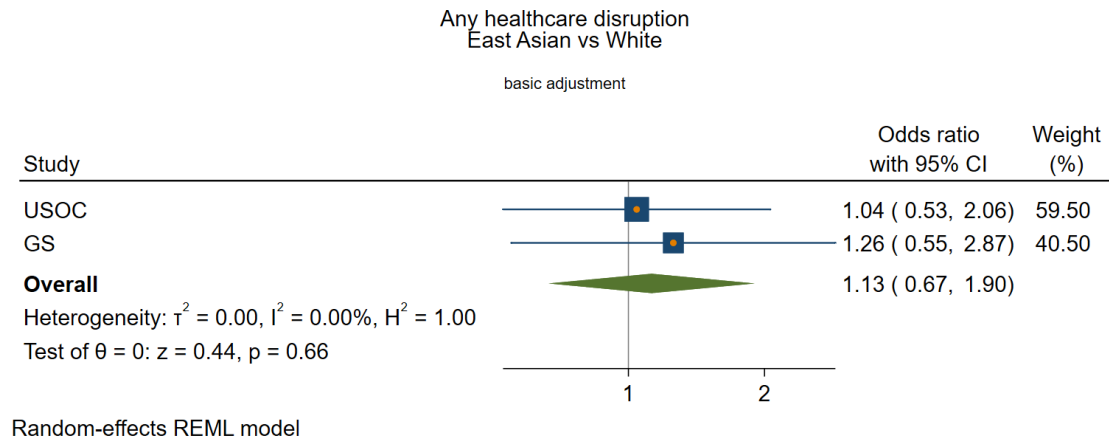
Random-effects REML model



Basic adjustment



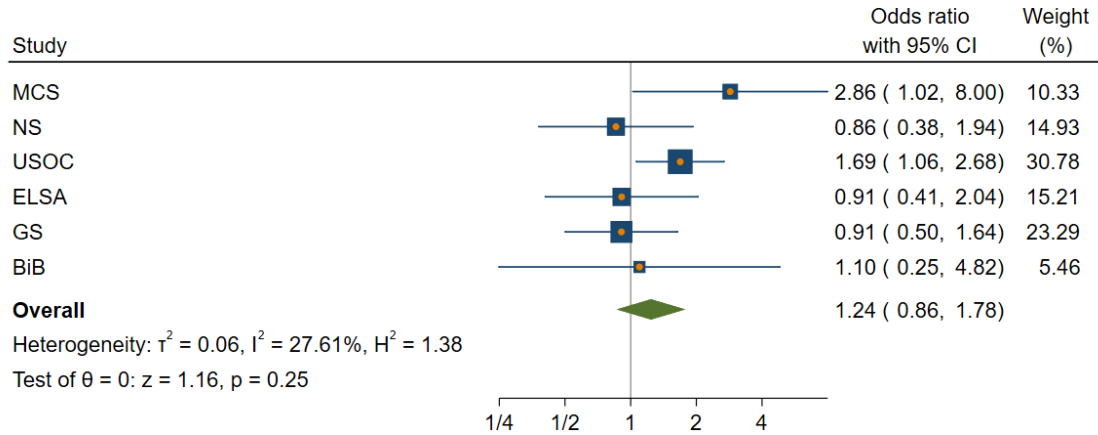






Any healthcare disruption  
Mixed vs White

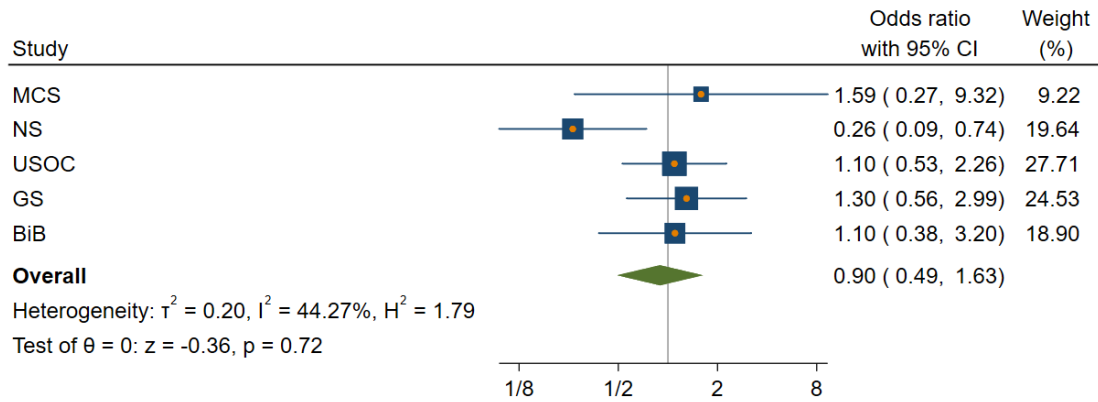
basic adjustment



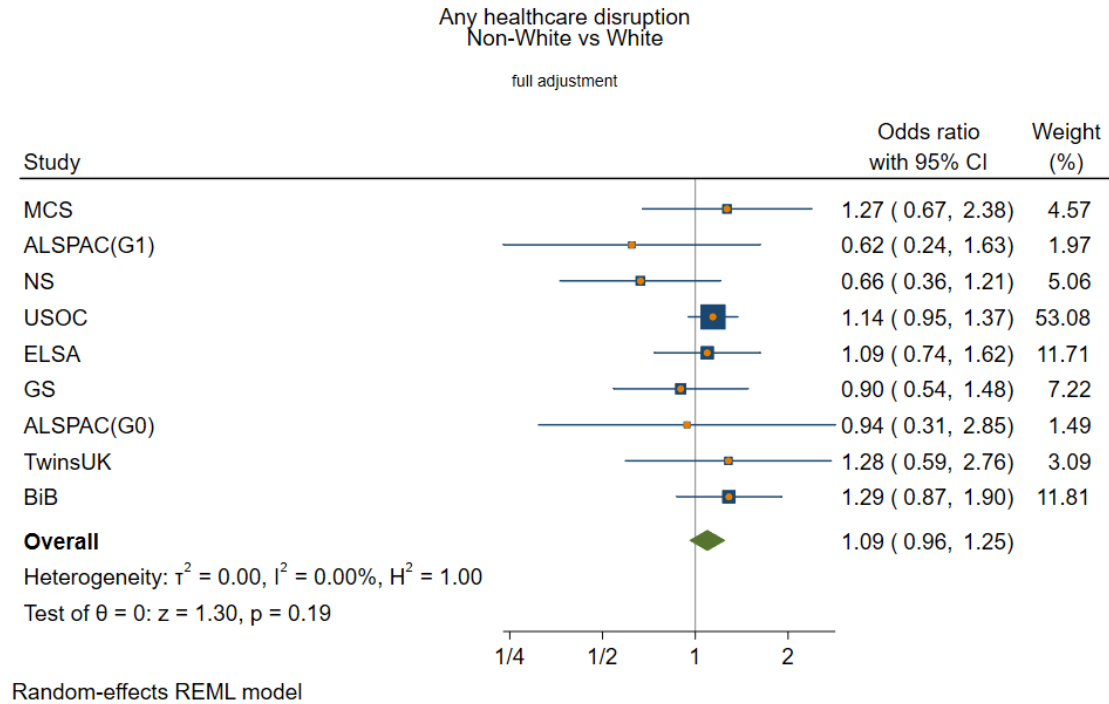
Random-effects REML model

Any healthcare disruption  
Other Ethnicity vs White

basic adjustment

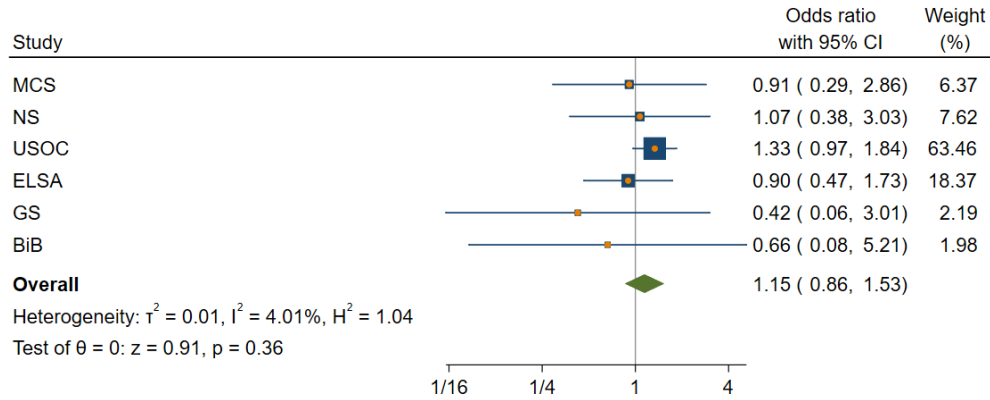


Random-effects REML model

Full adjustment

Any healthcare disruption  
Black vs White

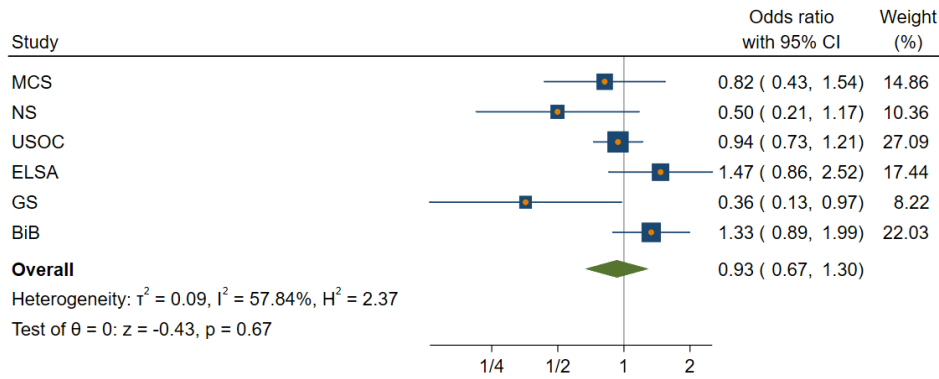
full adjustment



Random-effects REML model

Any healthcare disruption  
South Asian vs White

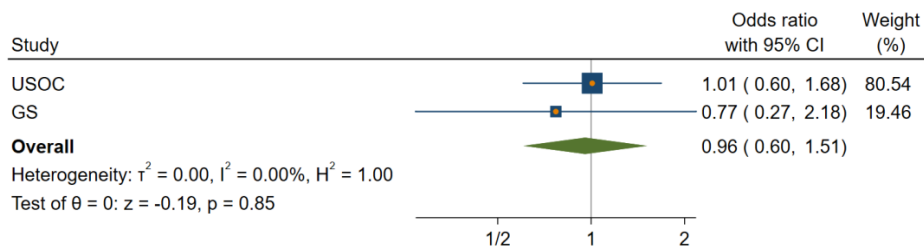
full adjustment



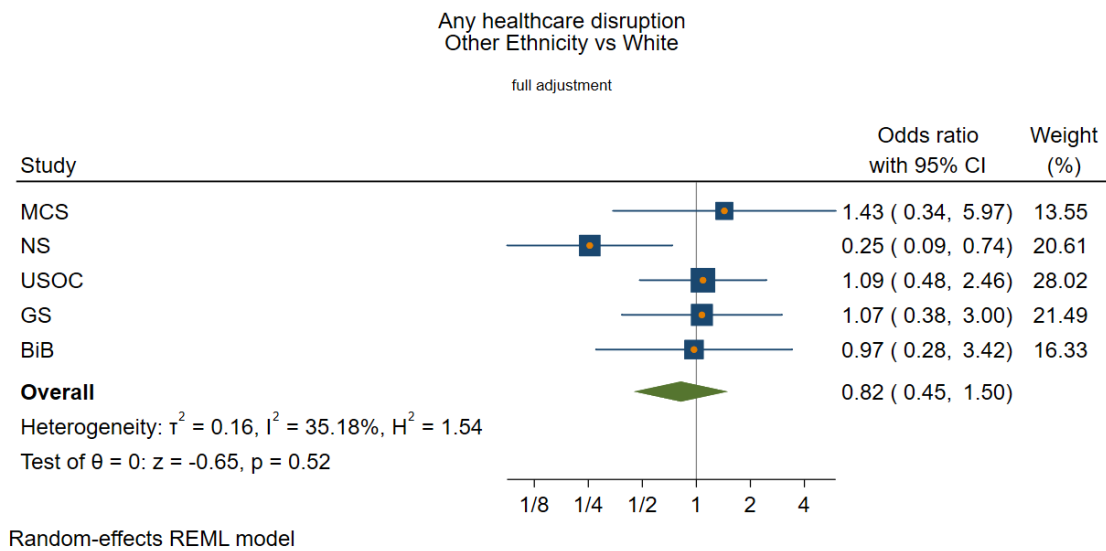
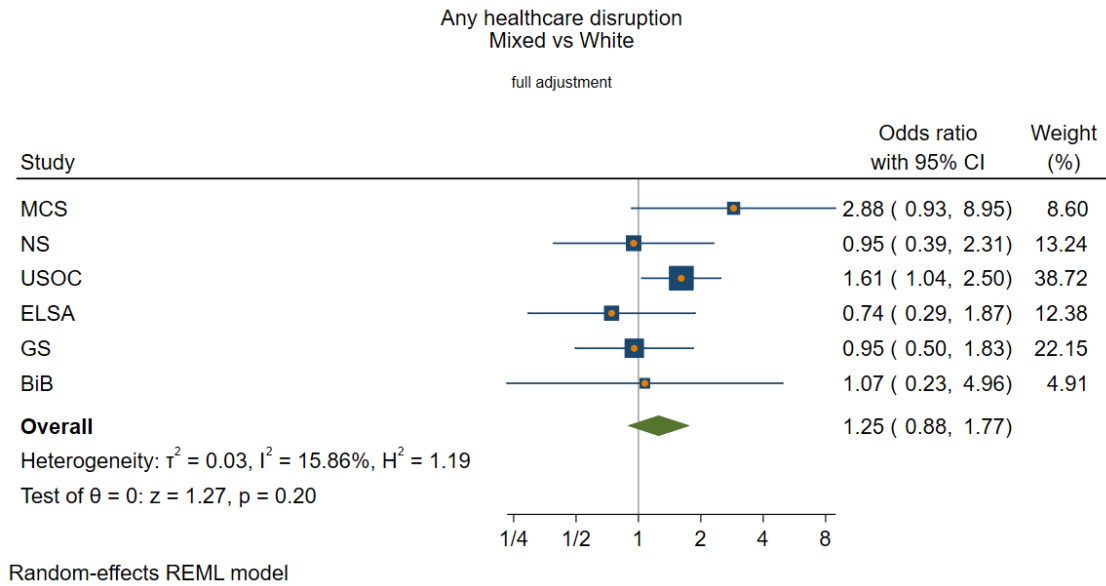
Random-effects REML model

Any healthcare disruption  
East Asian vs White

full adjustment

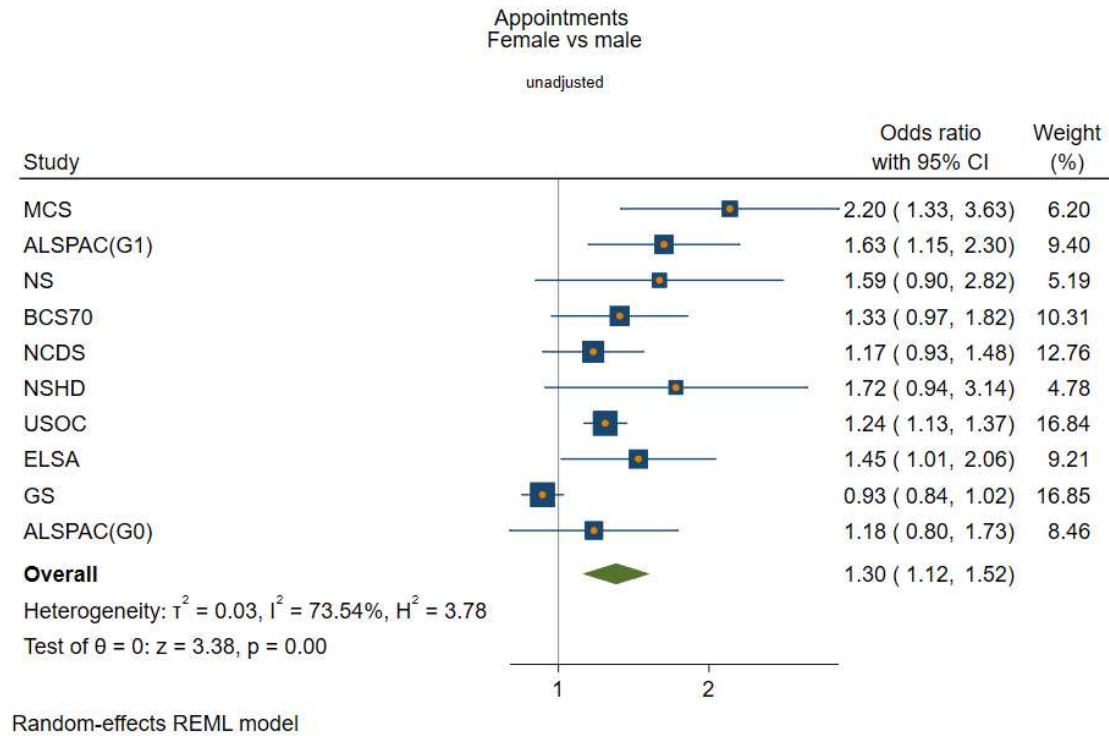


Random-effects REML model

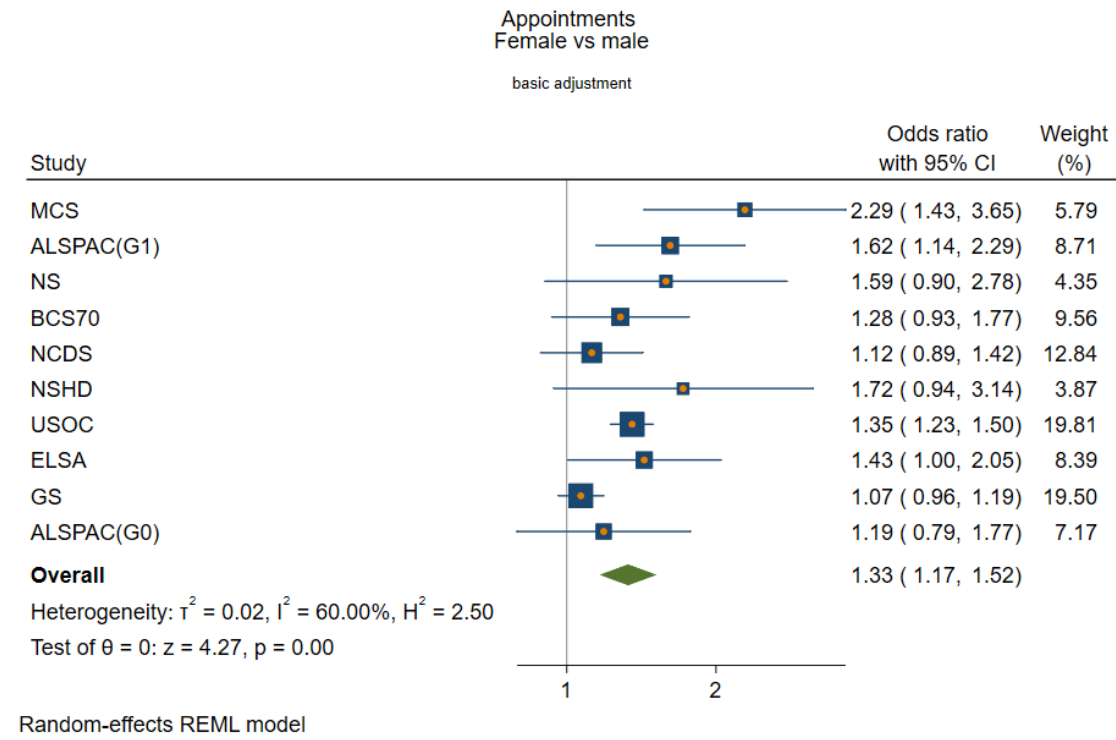


## Appointments

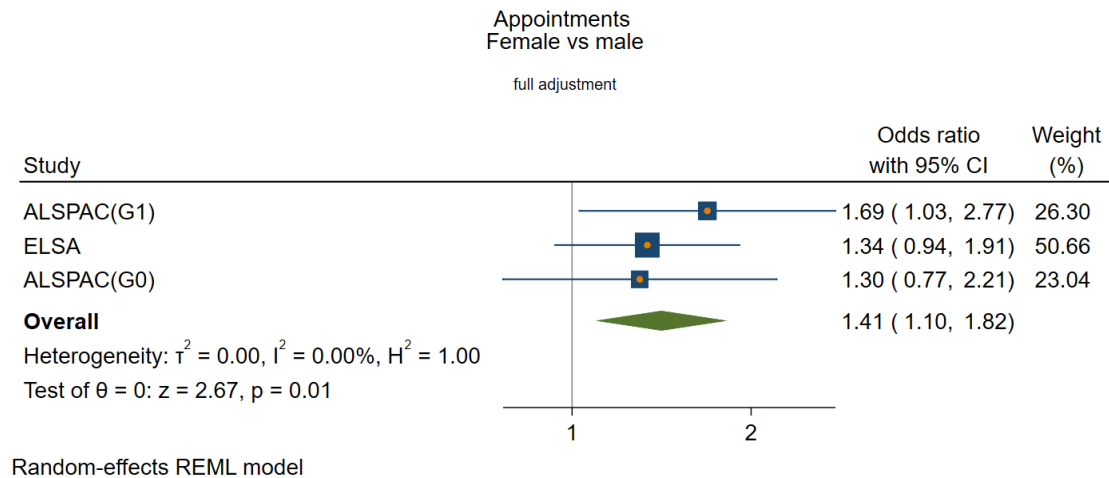
Sex  
Unadjusted



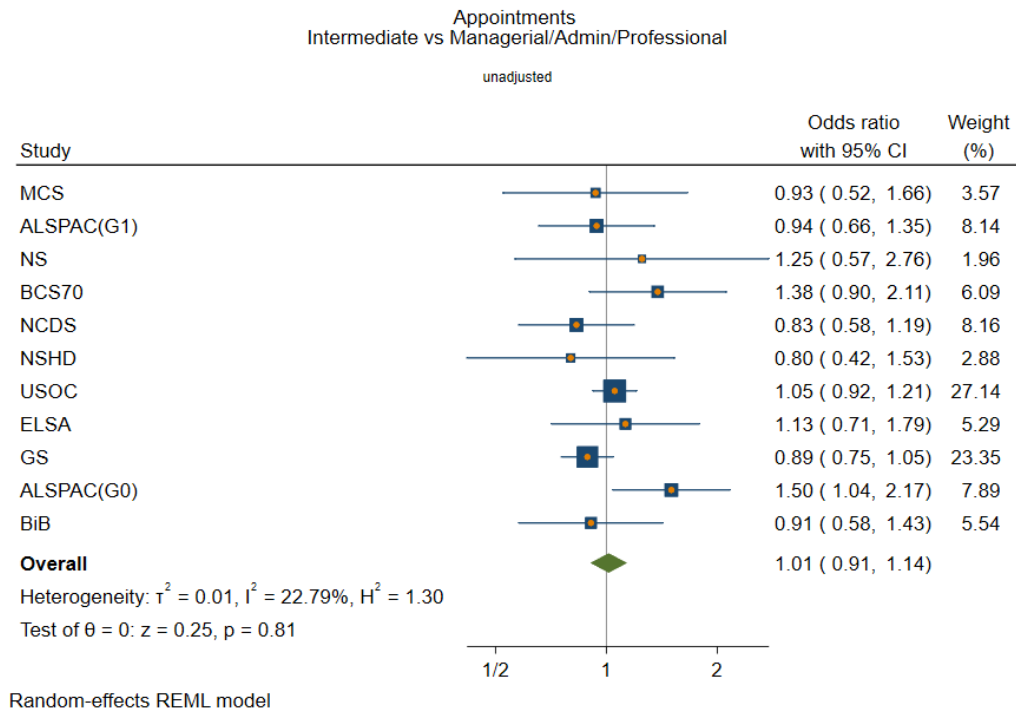
Basic adjustment



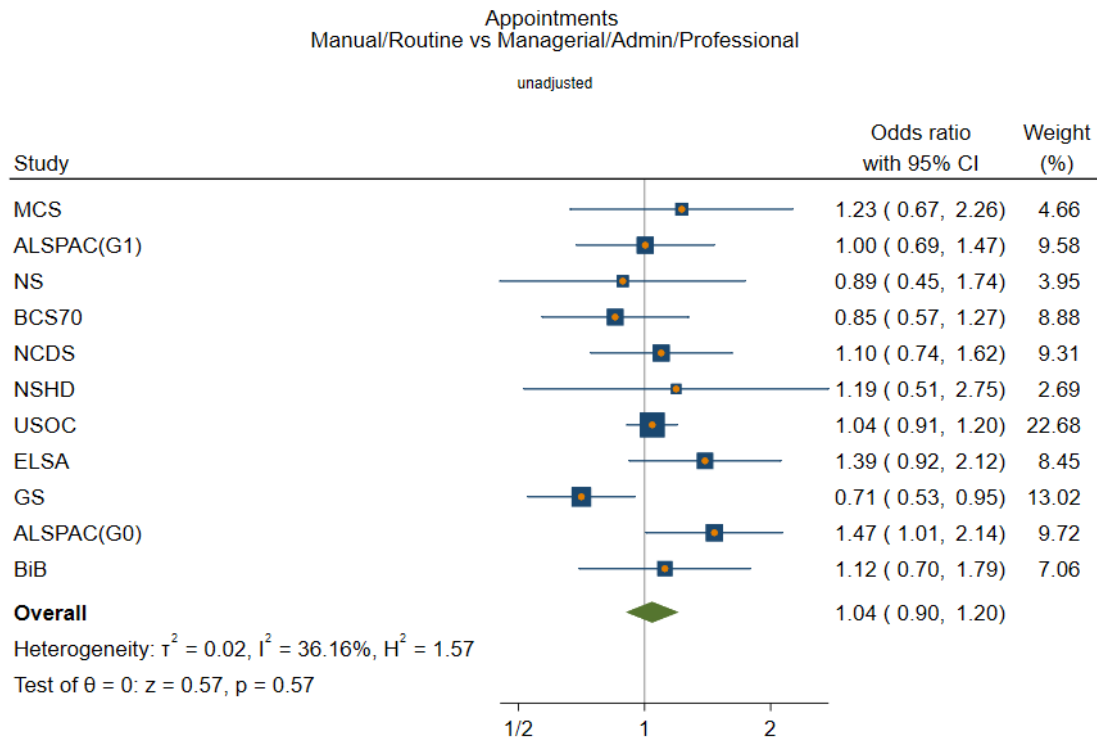
### Full adjustment



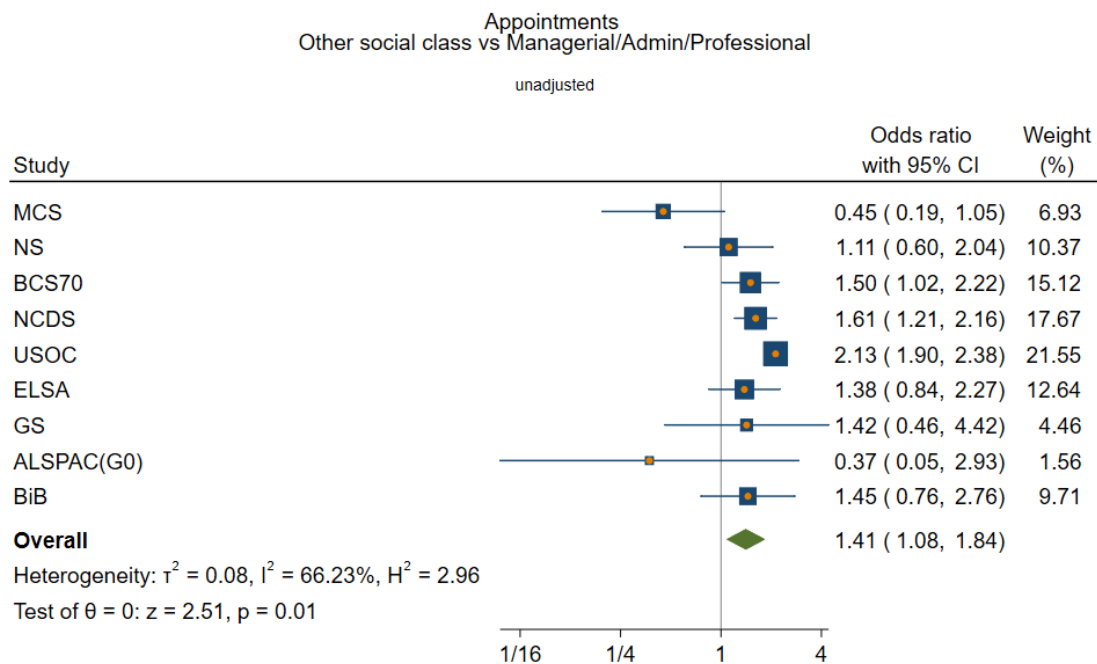
*Occupational class*  
Unadjusted



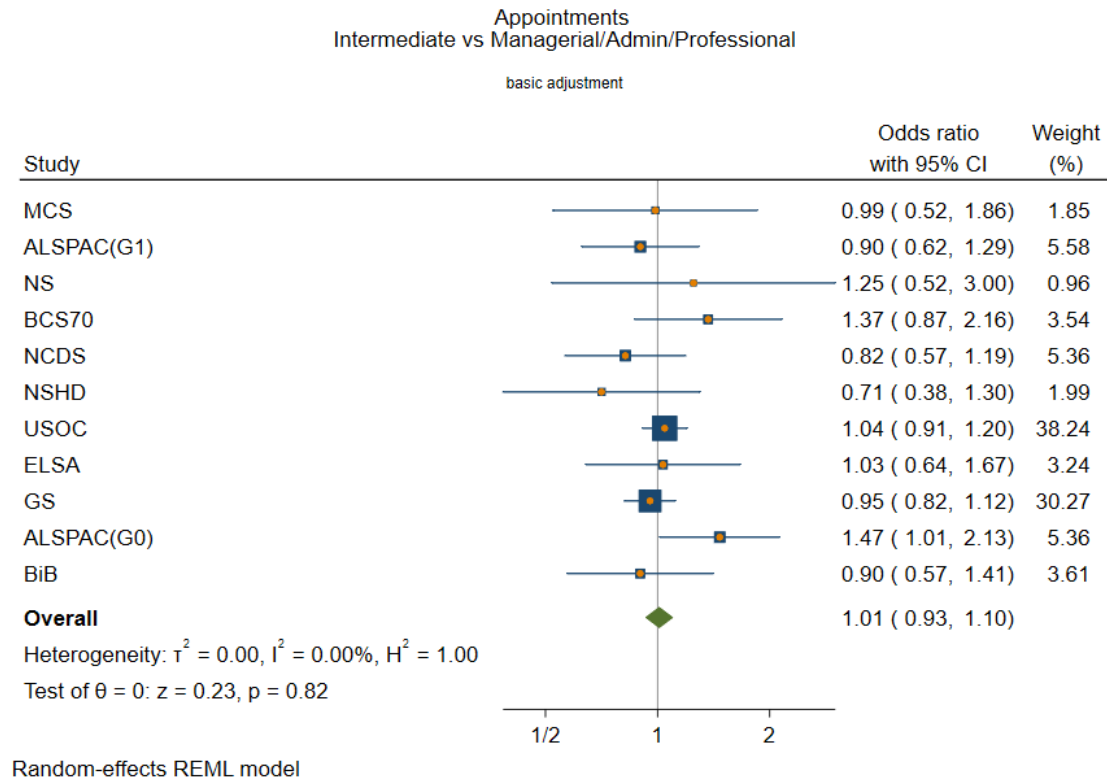


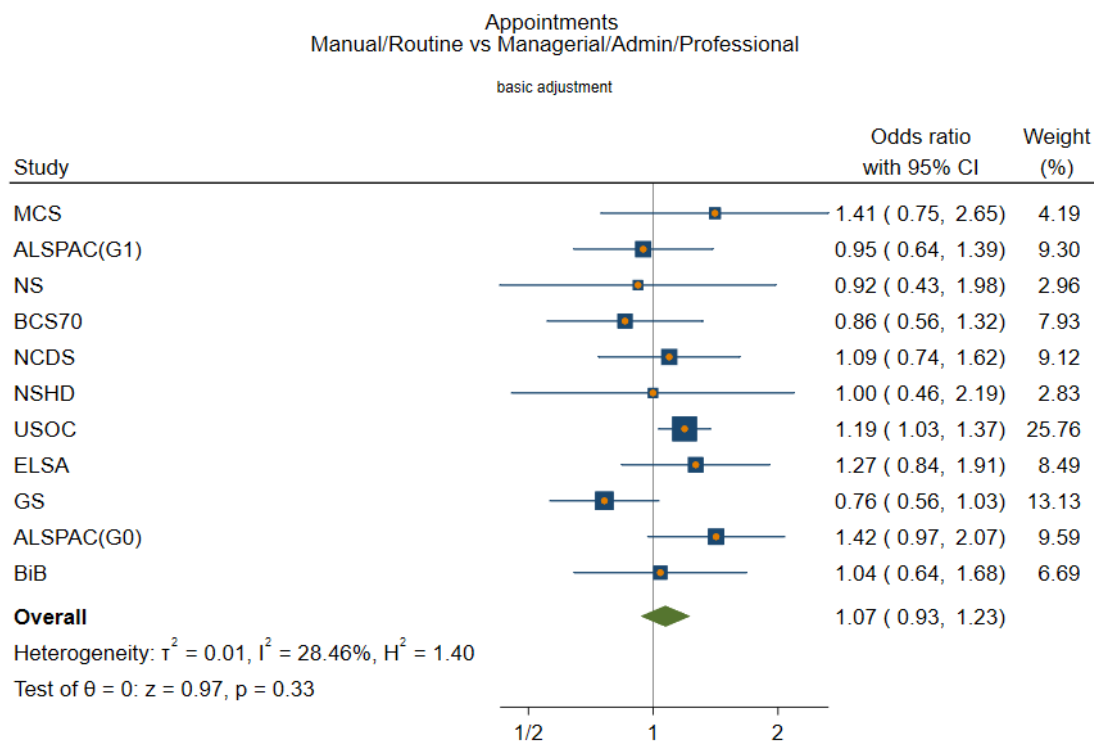


Random-effects REML model

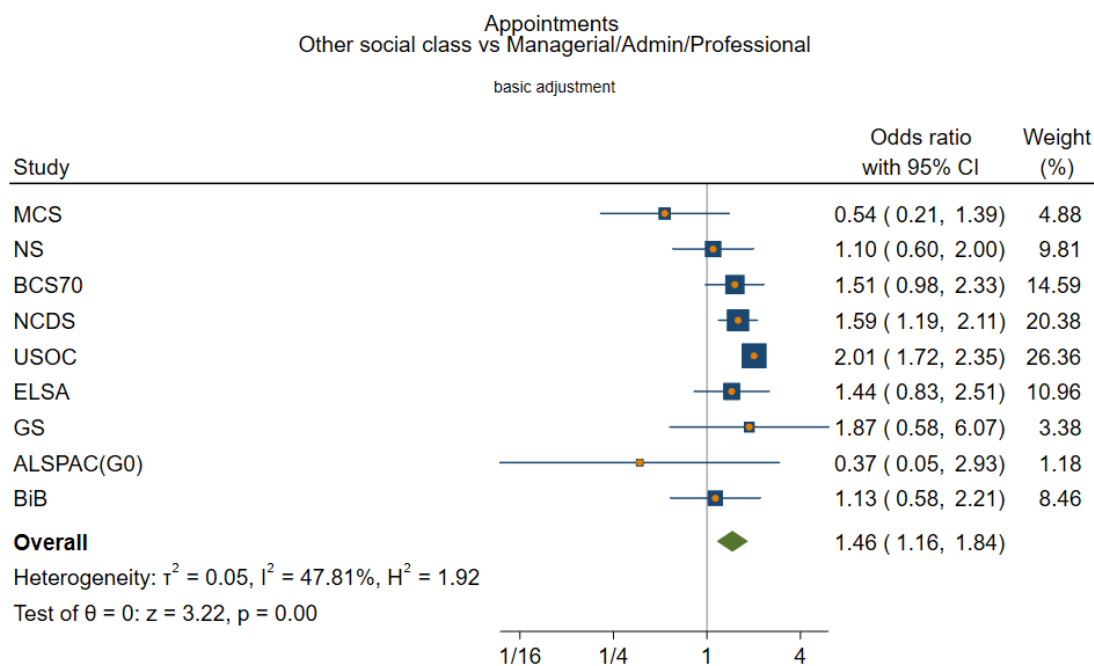


Random-effects REML model

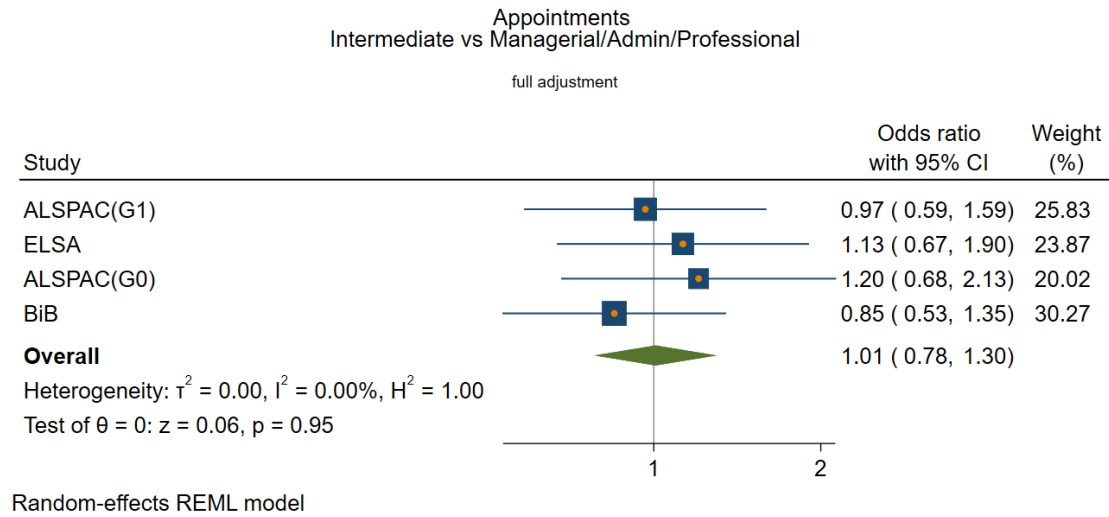
Basic adjustment



Random-effects REML model

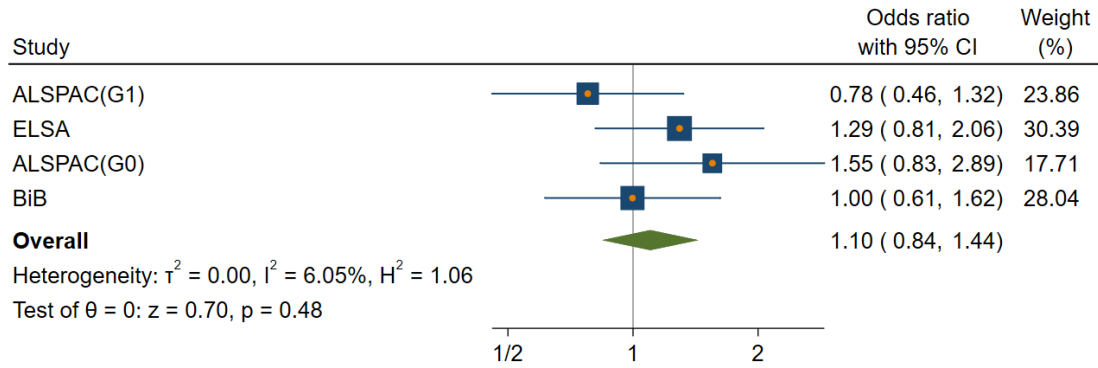


Random-effects REML model

Full adjustment

Appointments  
Manual/Routine vs Managerial/Admin/Professional

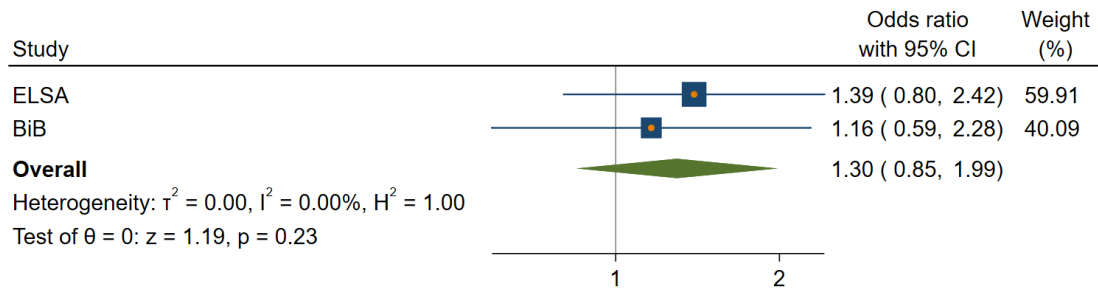
full adjustment



Random-effects REML model

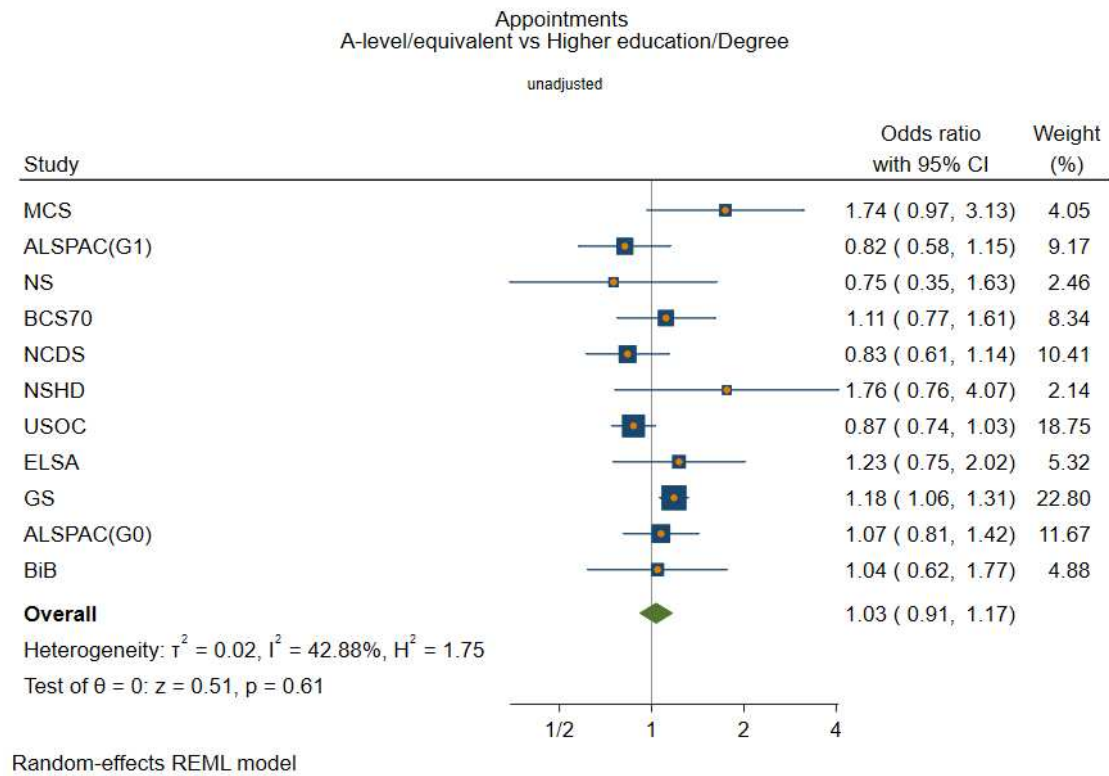
Appointments  
Other social class vs Managerial/Admin/Professional

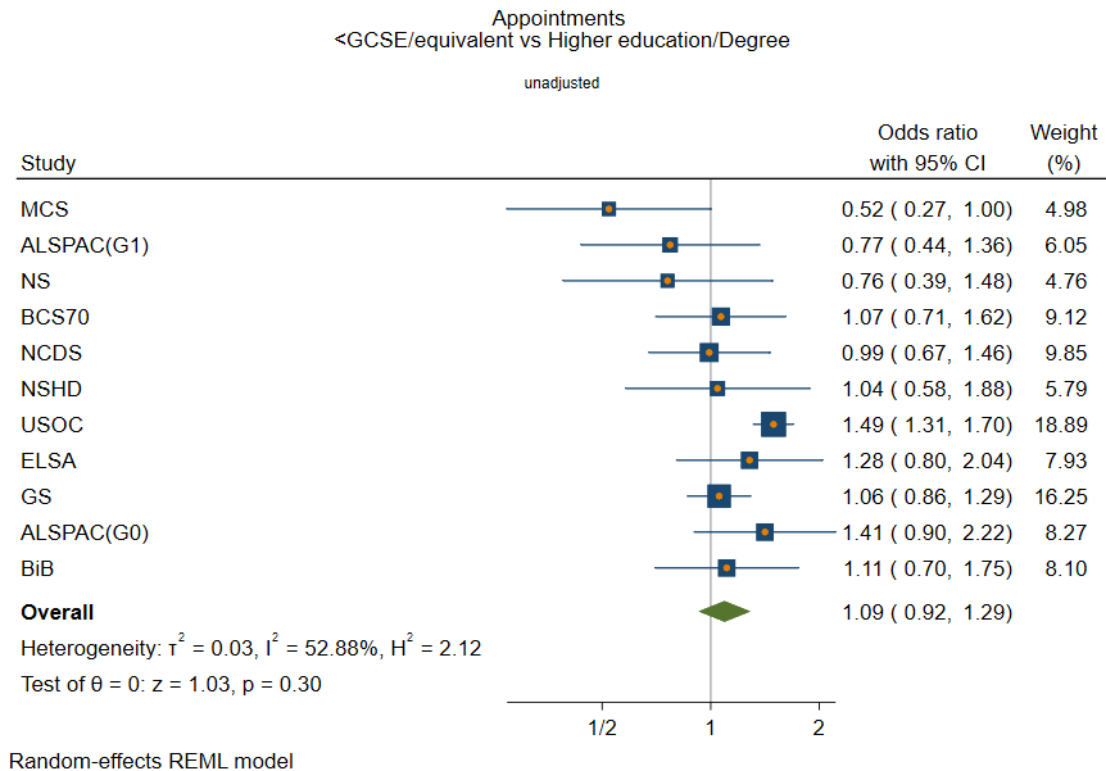
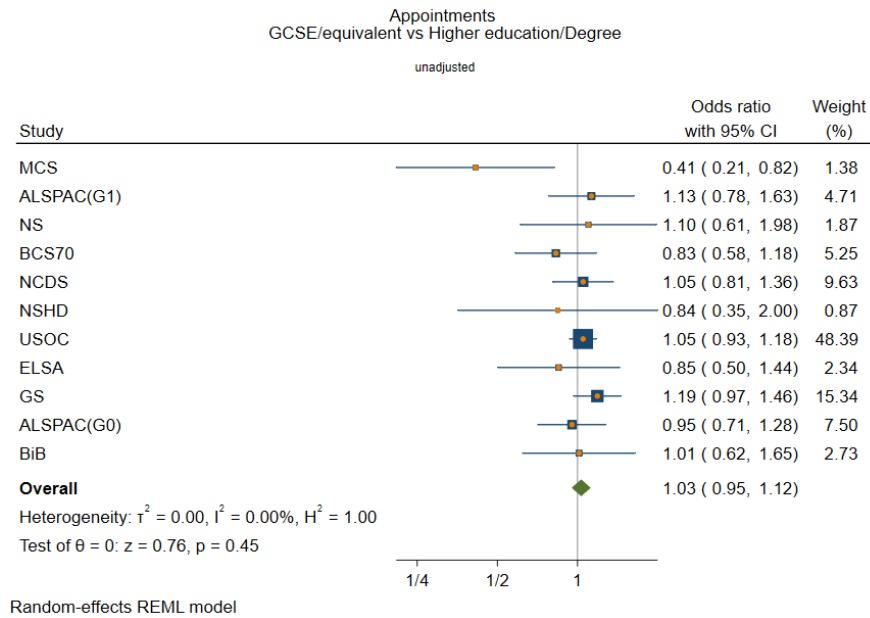
full adjustment

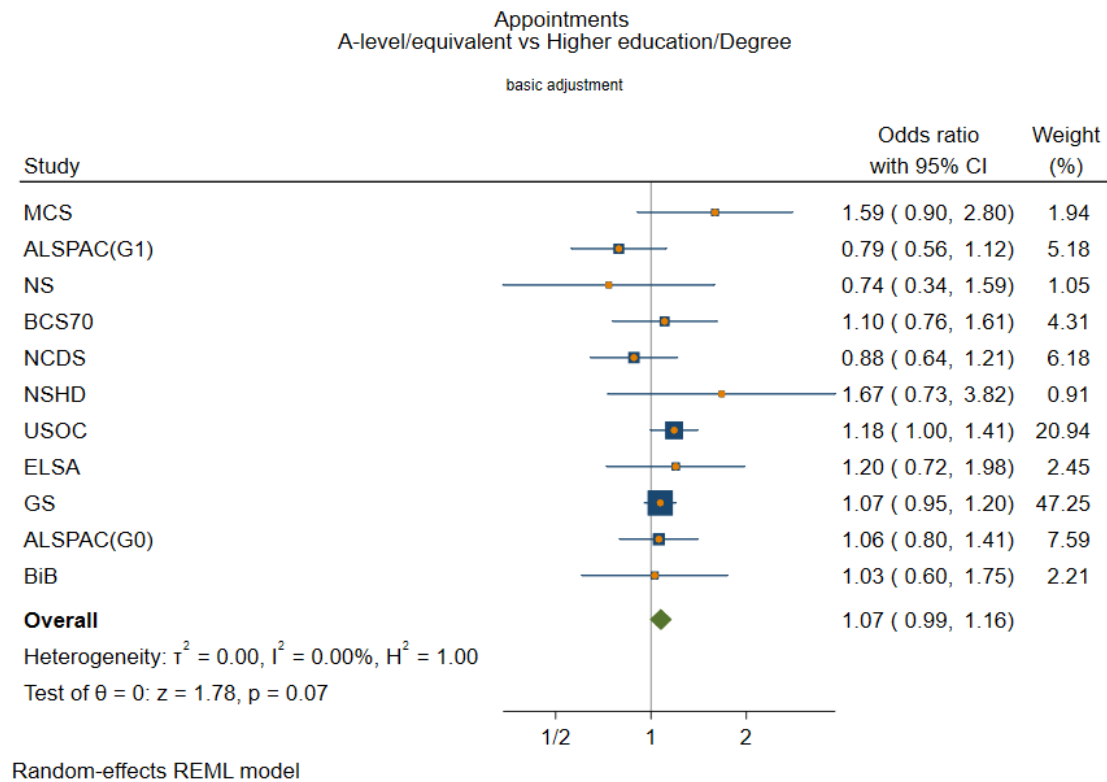


Random-effects REML model

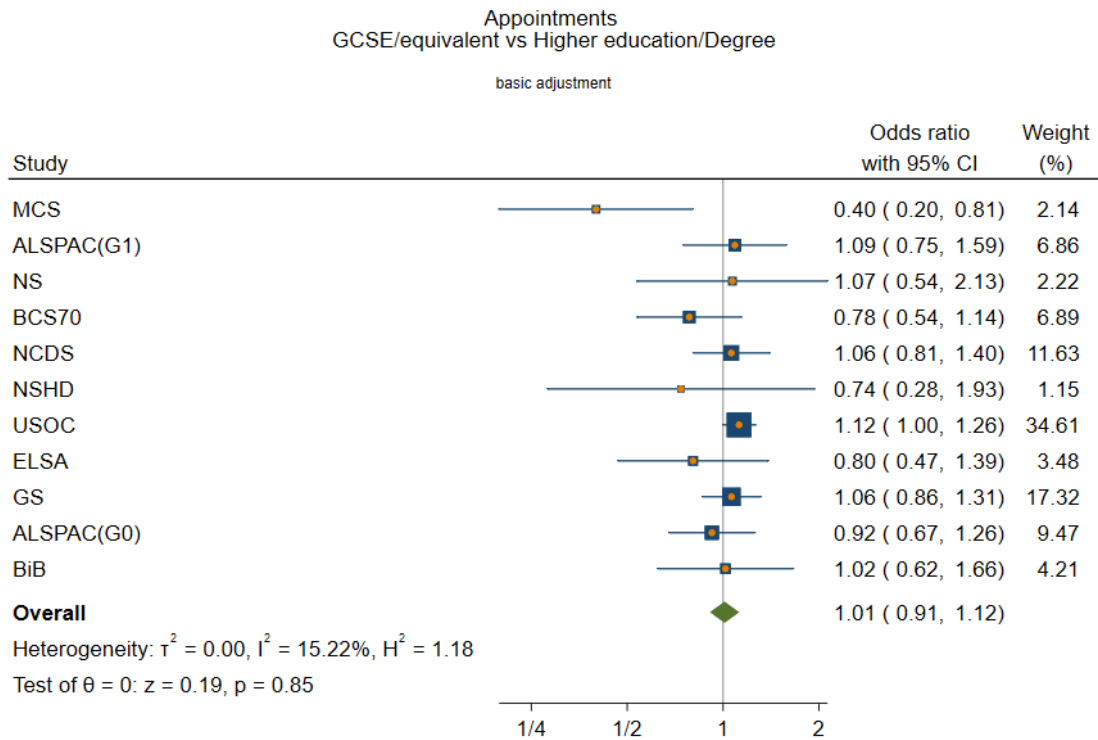
*Education*  
Unadjusted



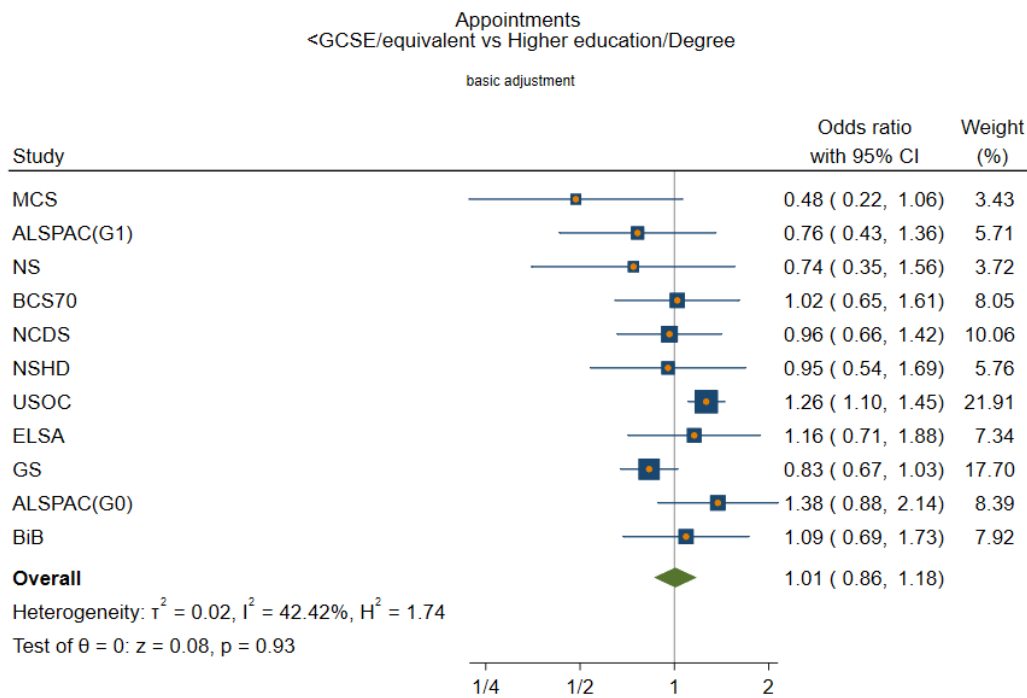


Basic adjustment

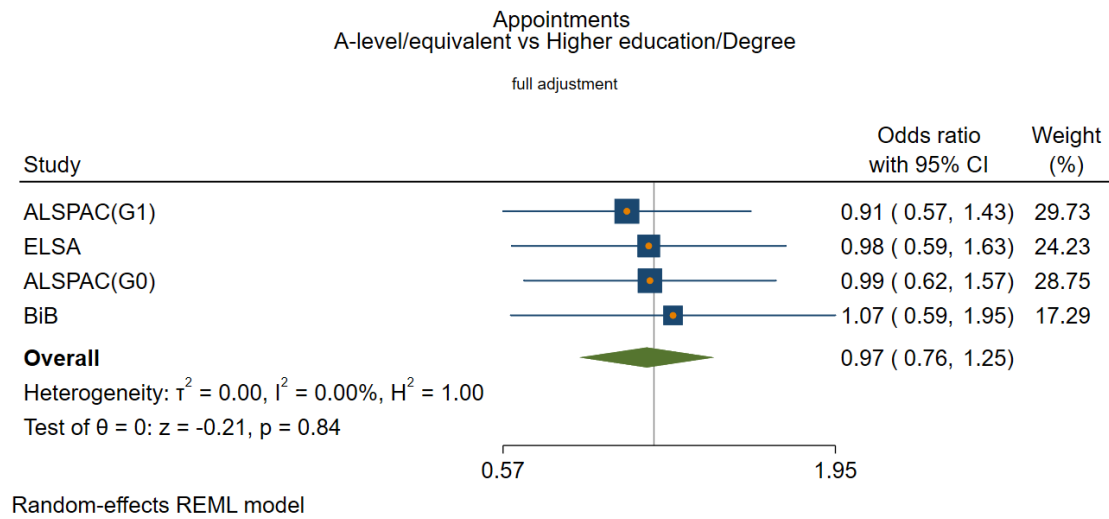


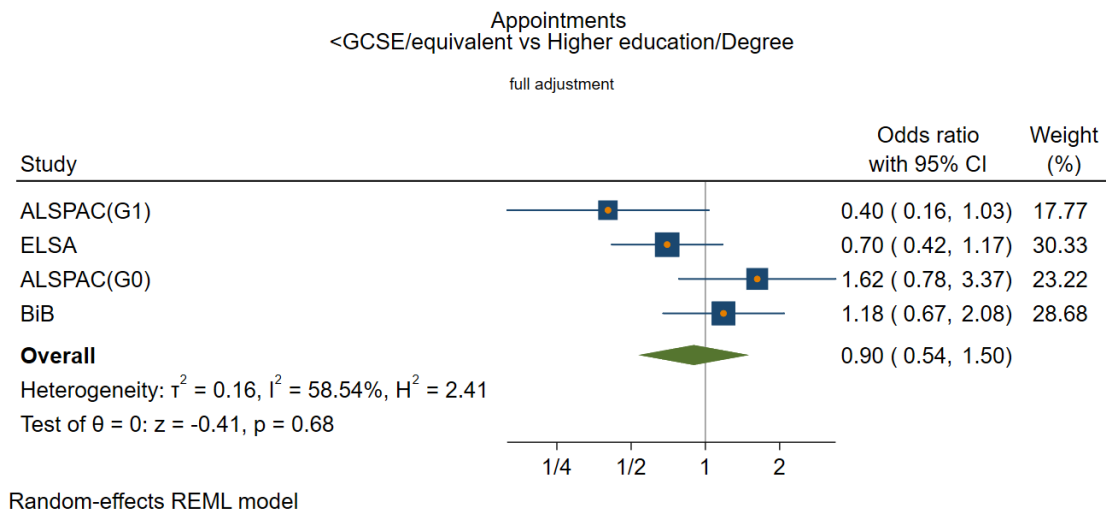
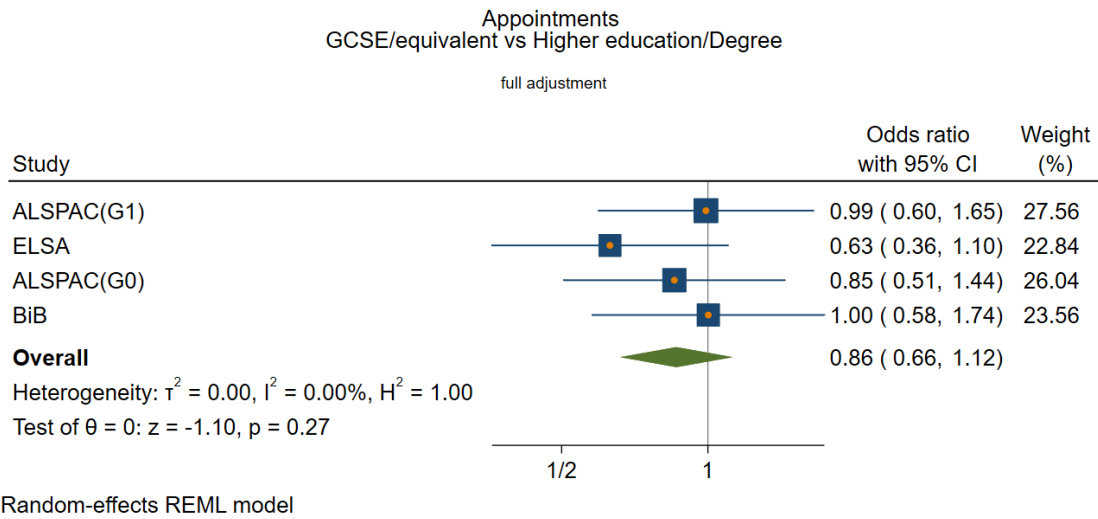


Random-effects REML model

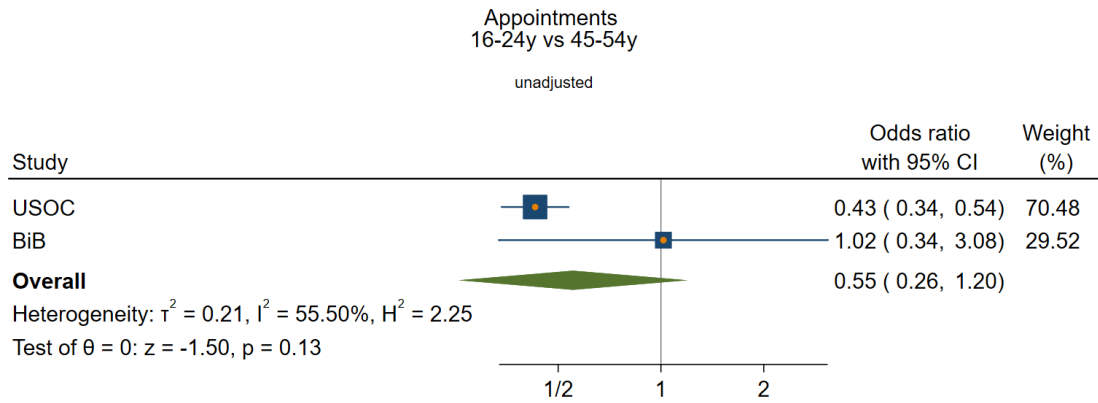


Random-effects REML model

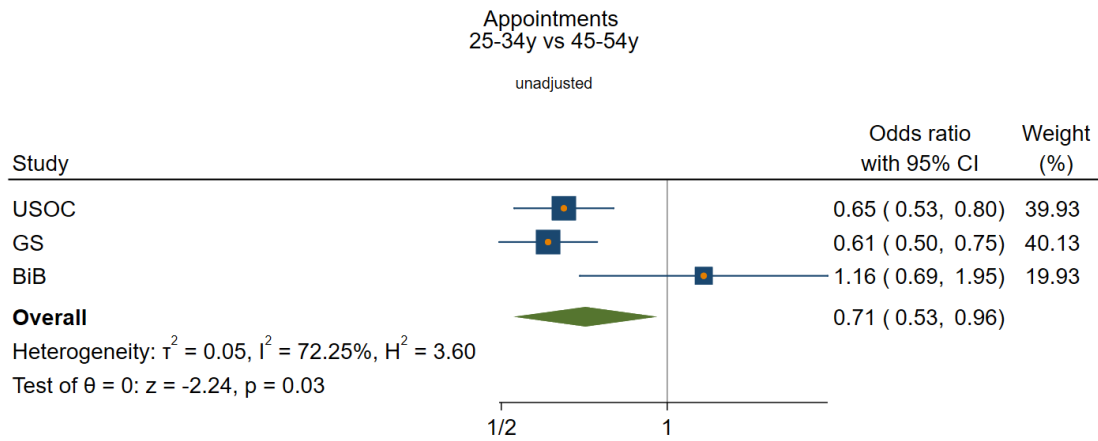
Full Adjustment



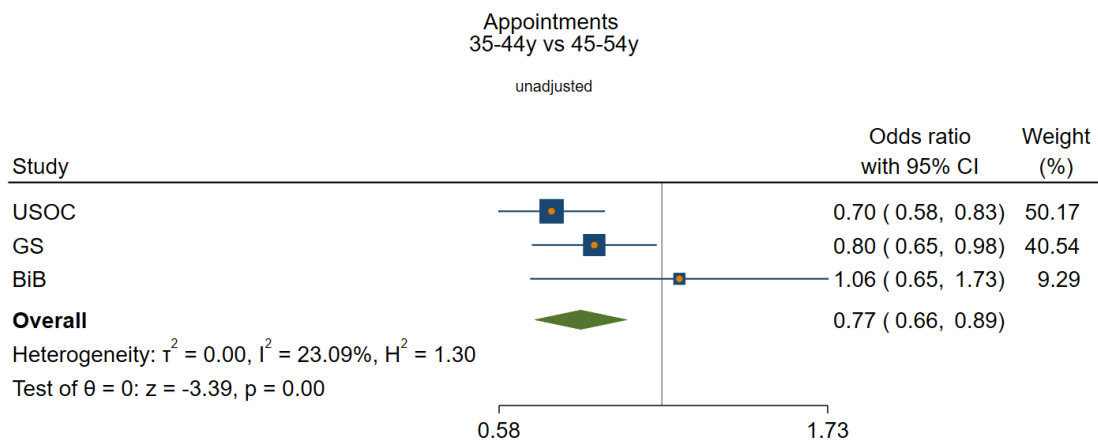
Age  
Unadjusted



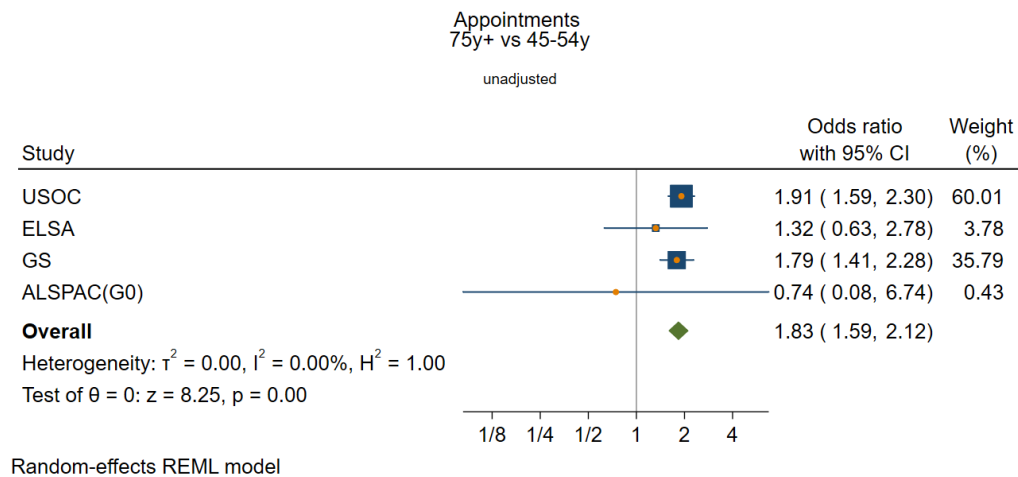
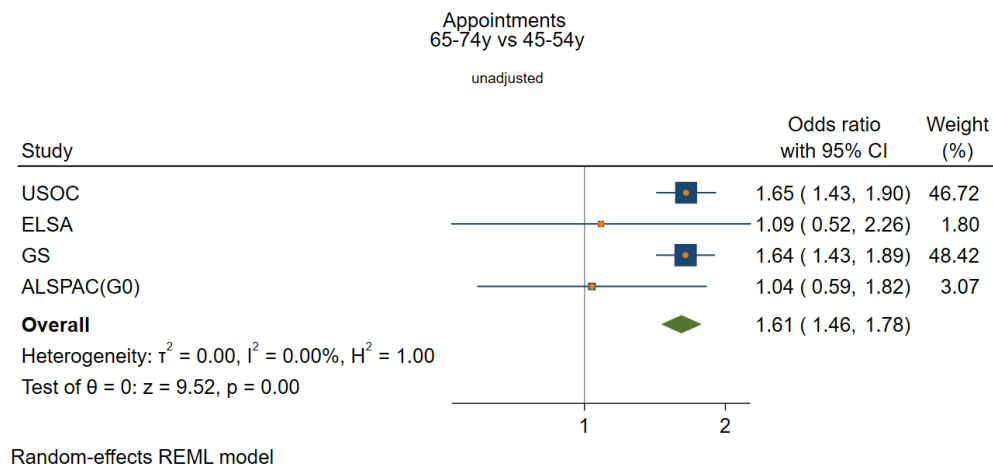
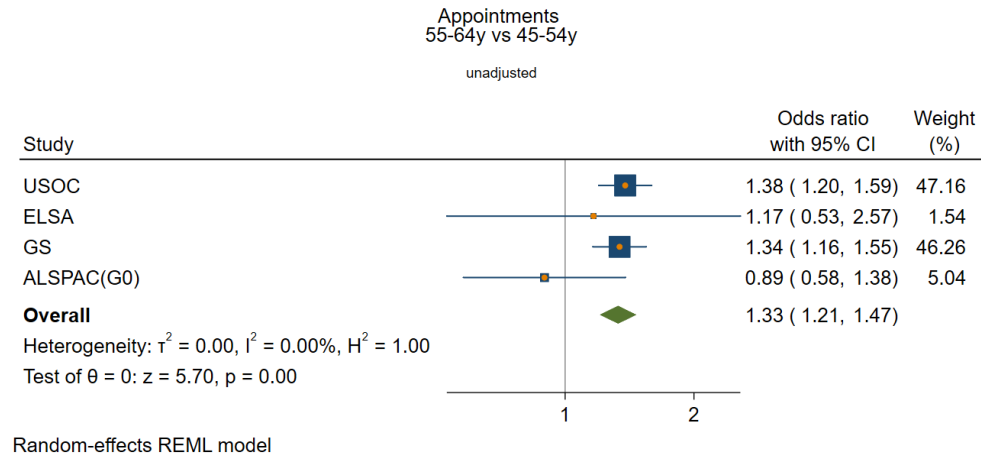
Random-effects REML model



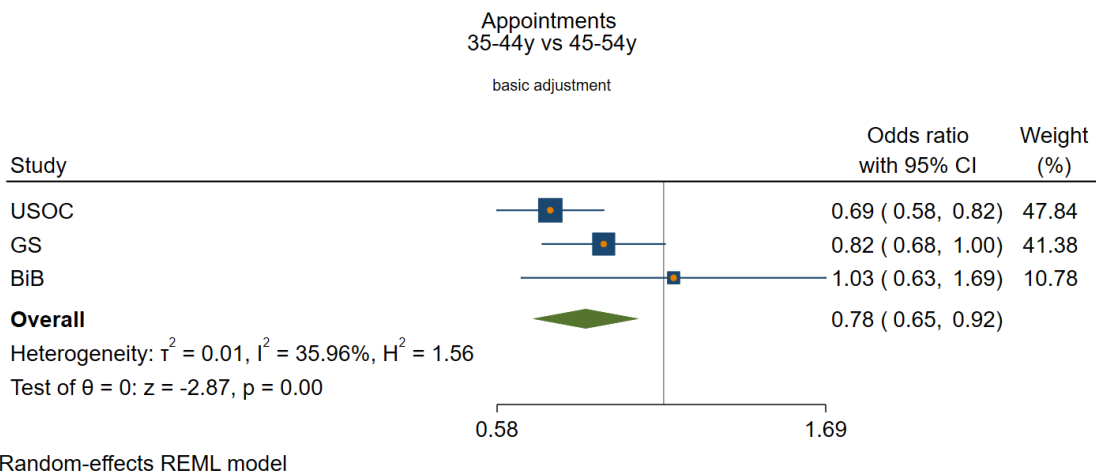
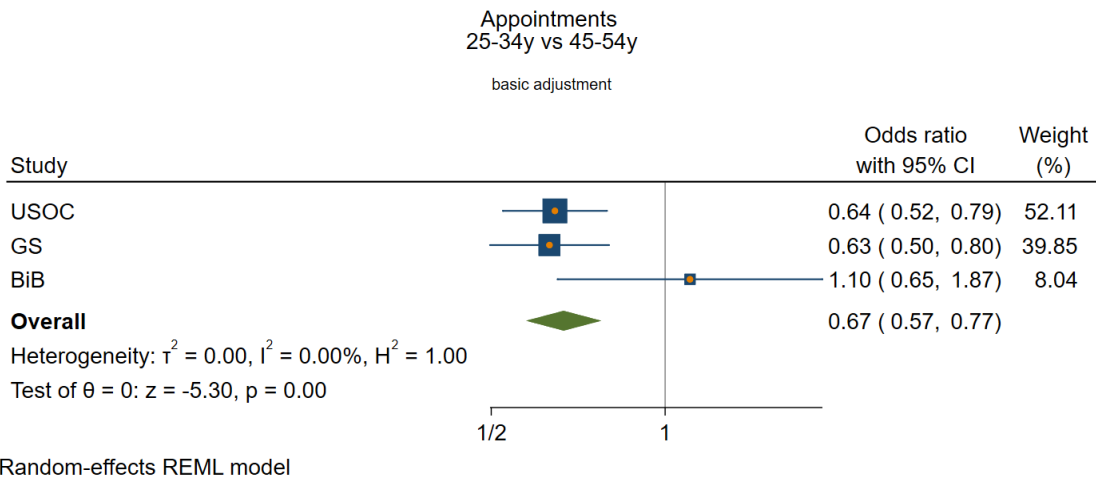
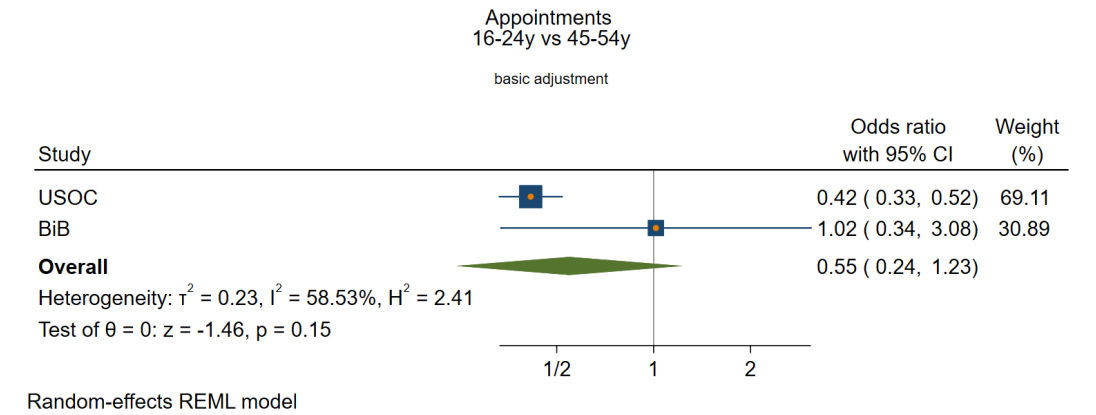
Random-effects REML model



Random-effects REML model

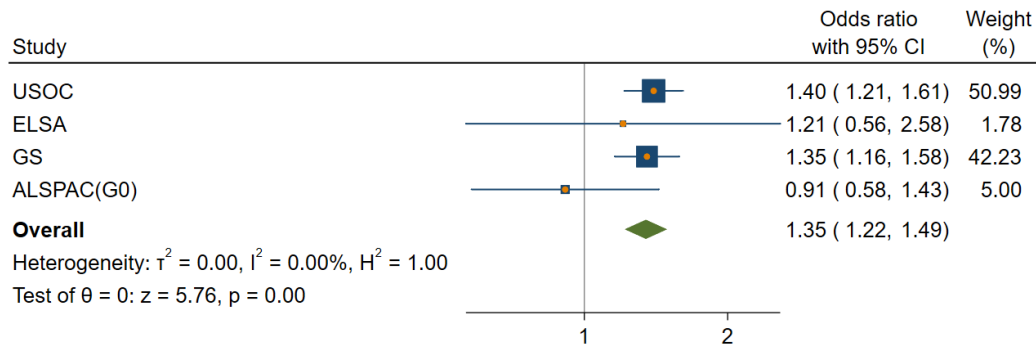


Basic adjustment



Appointments  
55-64y vs 45-54y

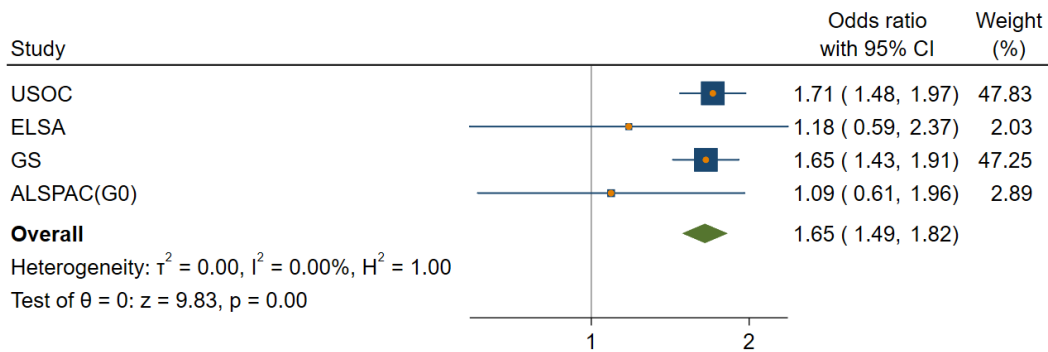
basic adjustment



Random-effects REML model

Appointments  
65-74y vs 45-54y

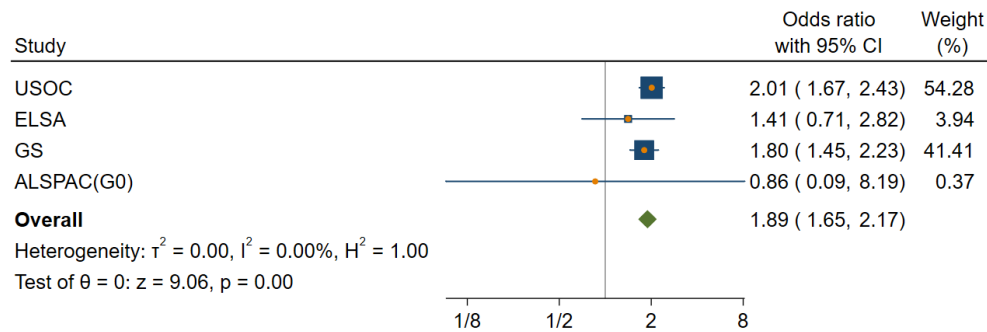
basic adjustment



Random-effects REML model

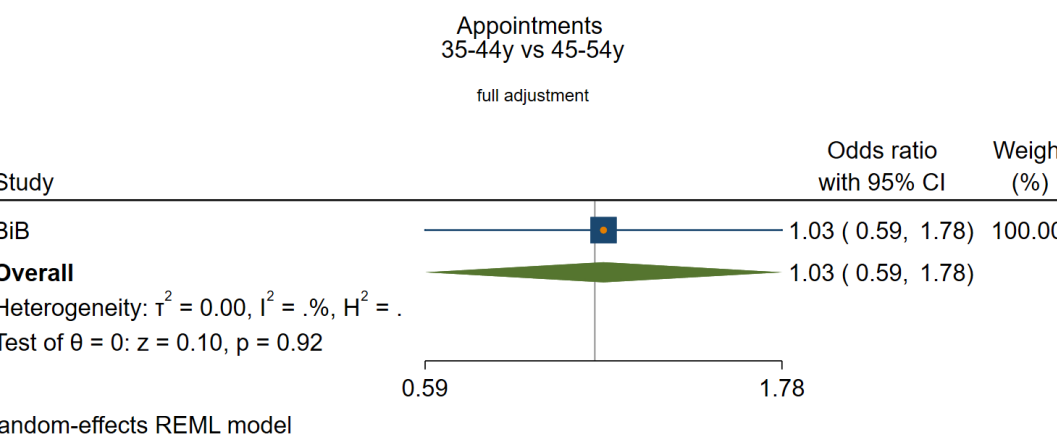
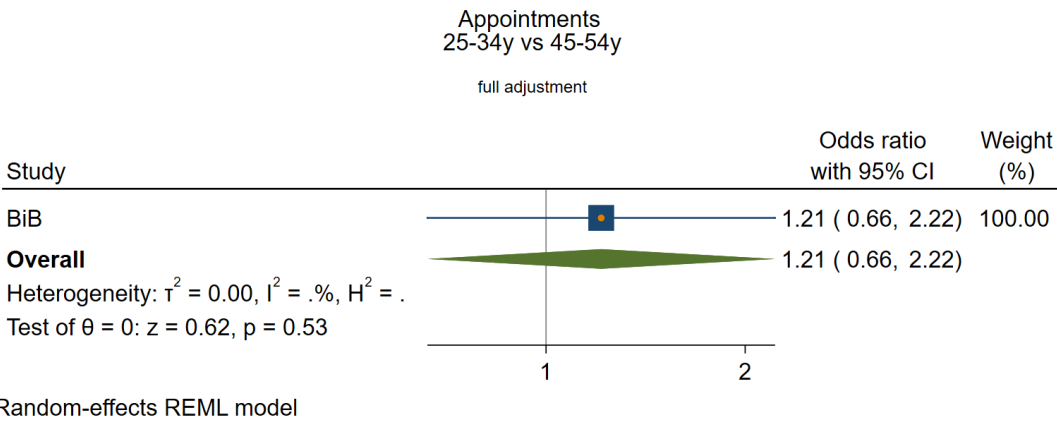
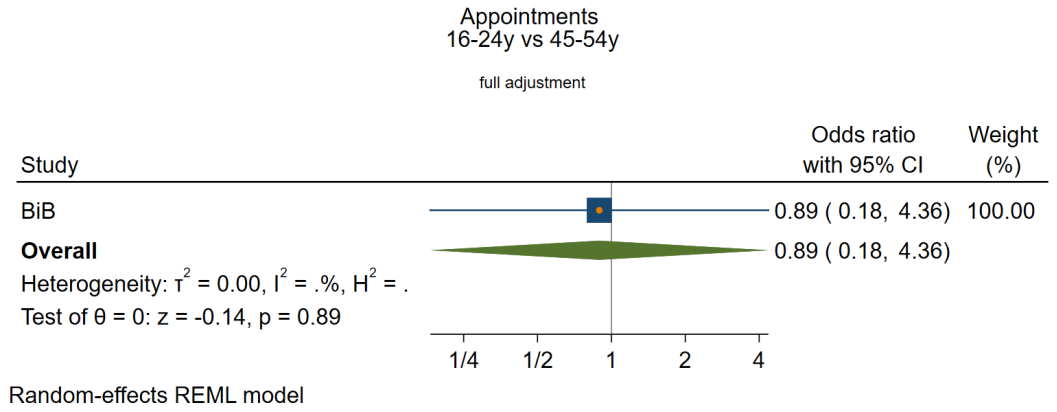
Appointments  
75y+ vs 45-54y

basic adjustment

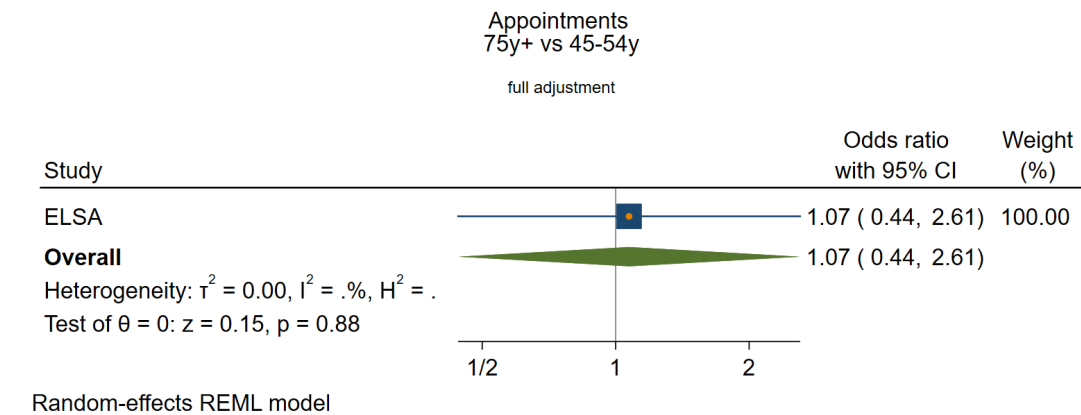
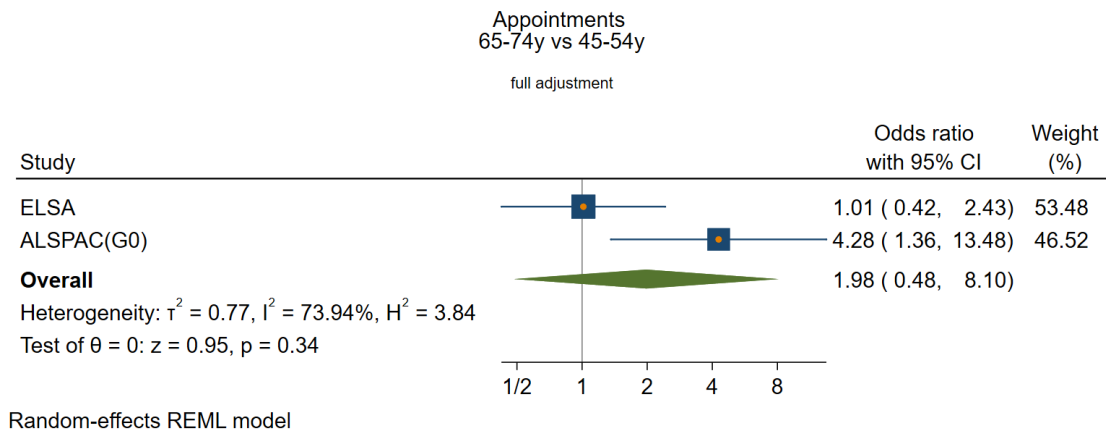
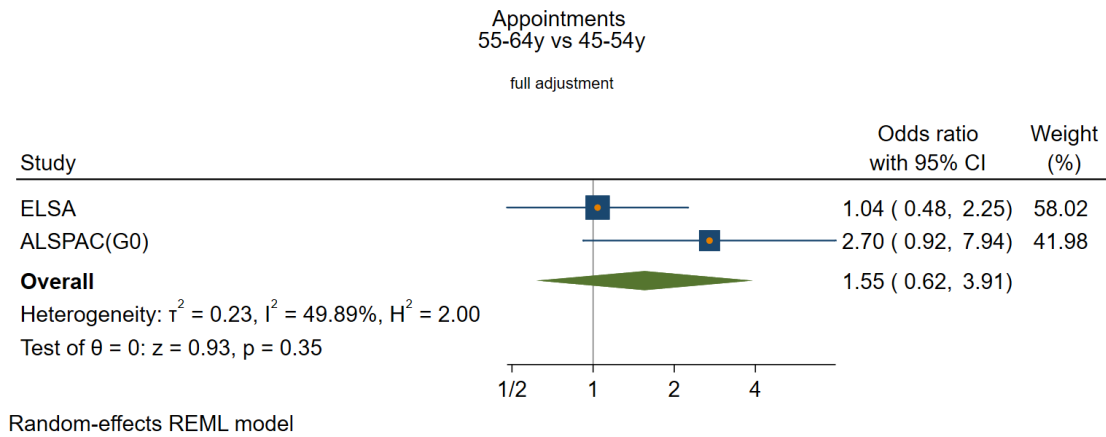


Random-effects REML model

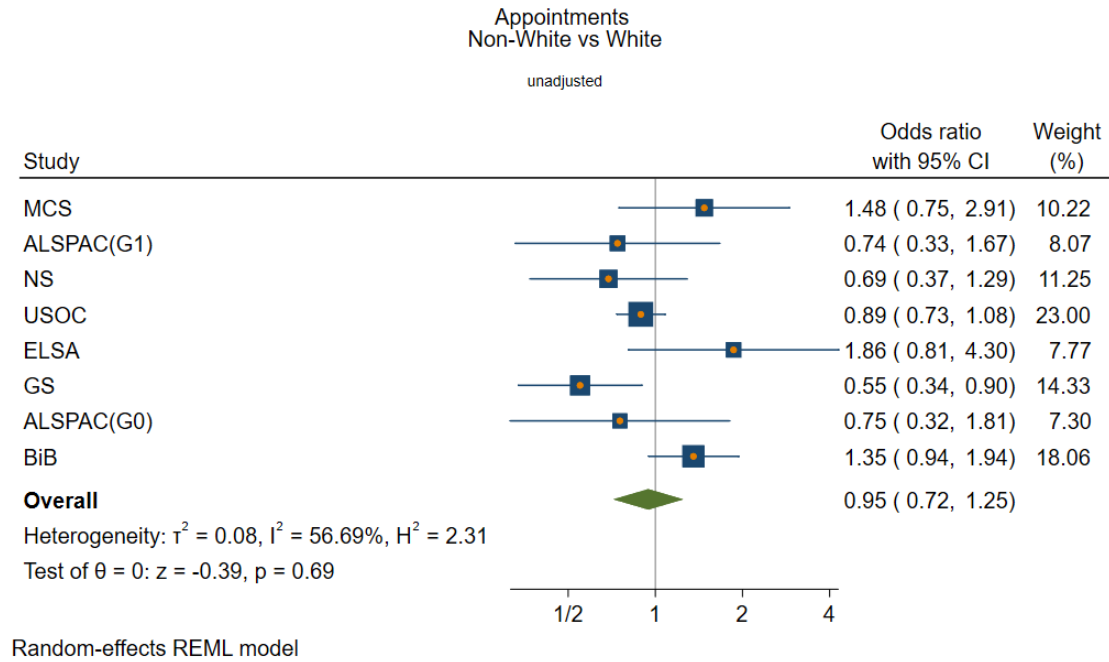
Full adjustment

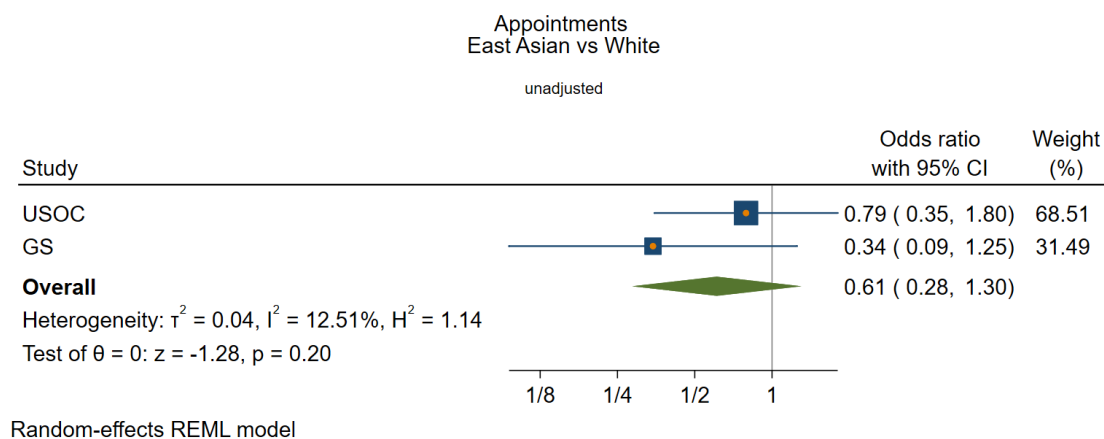
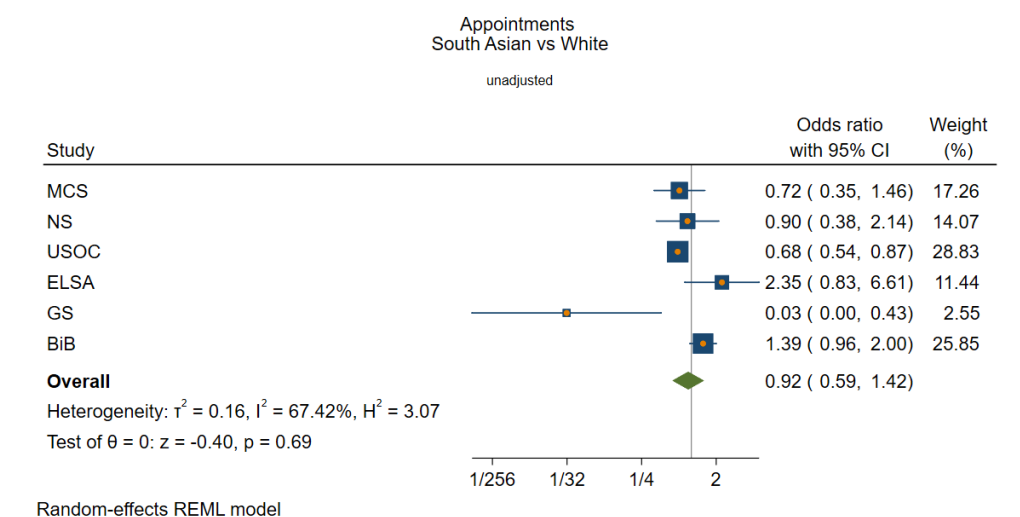
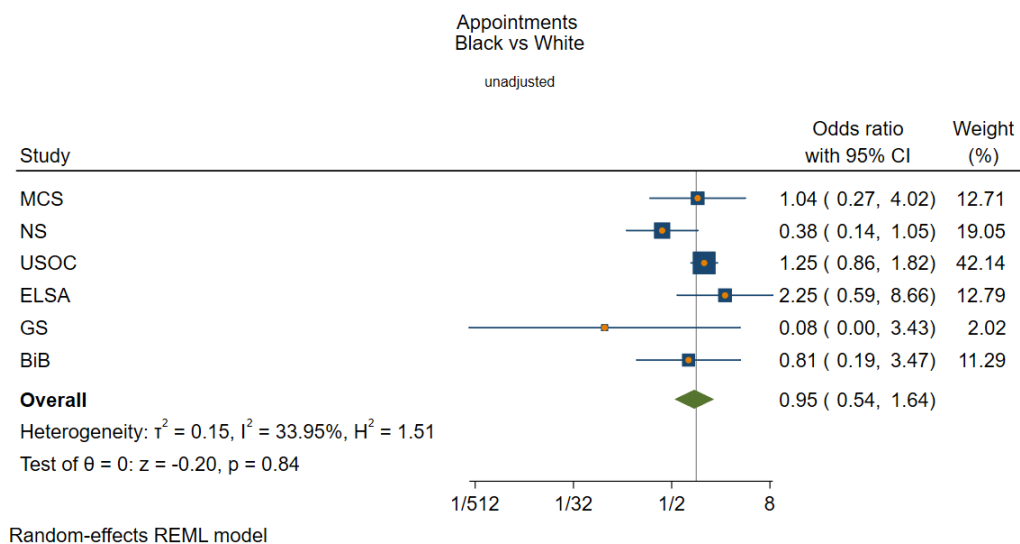


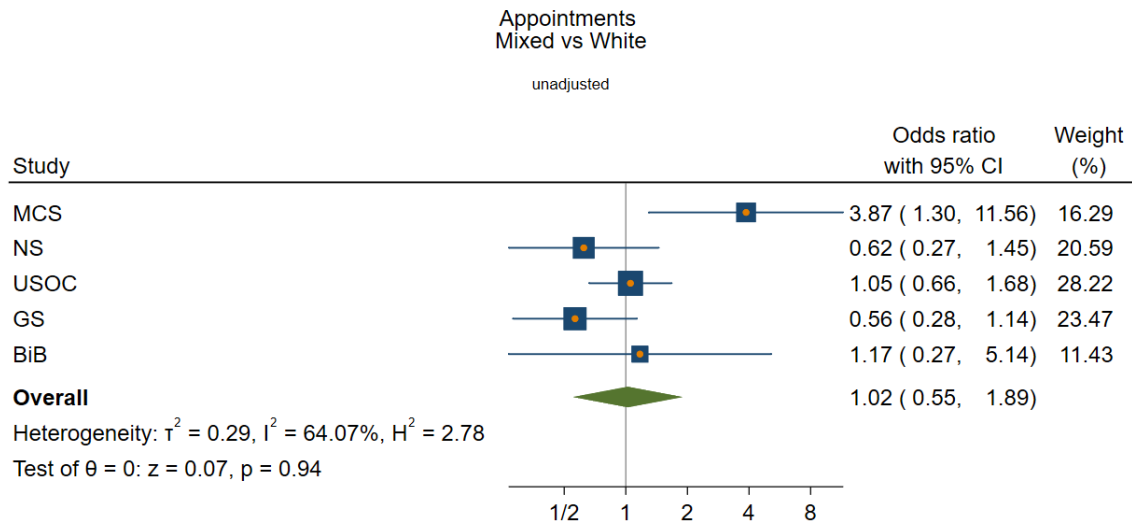




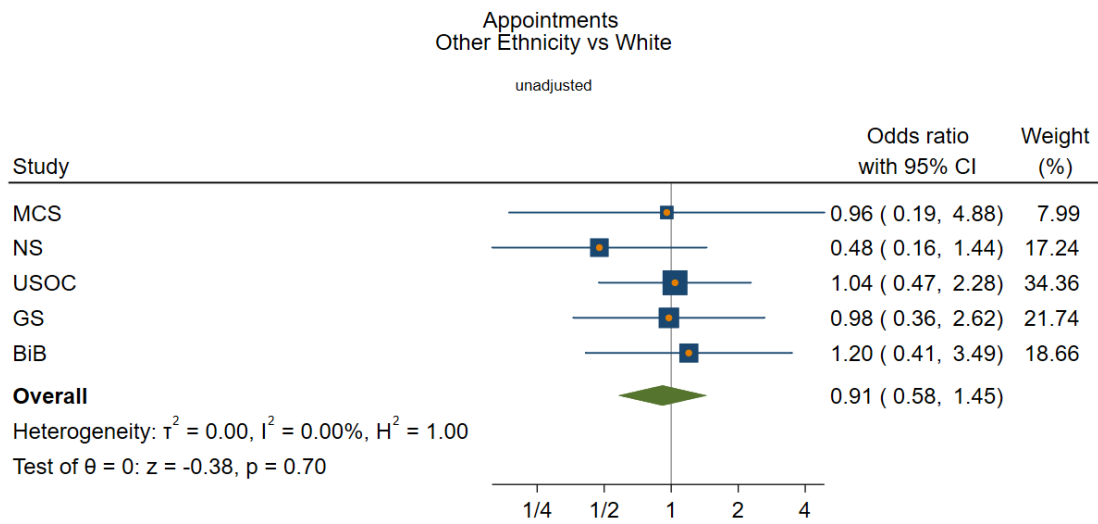
*Ethnicity*  
Unadjusted



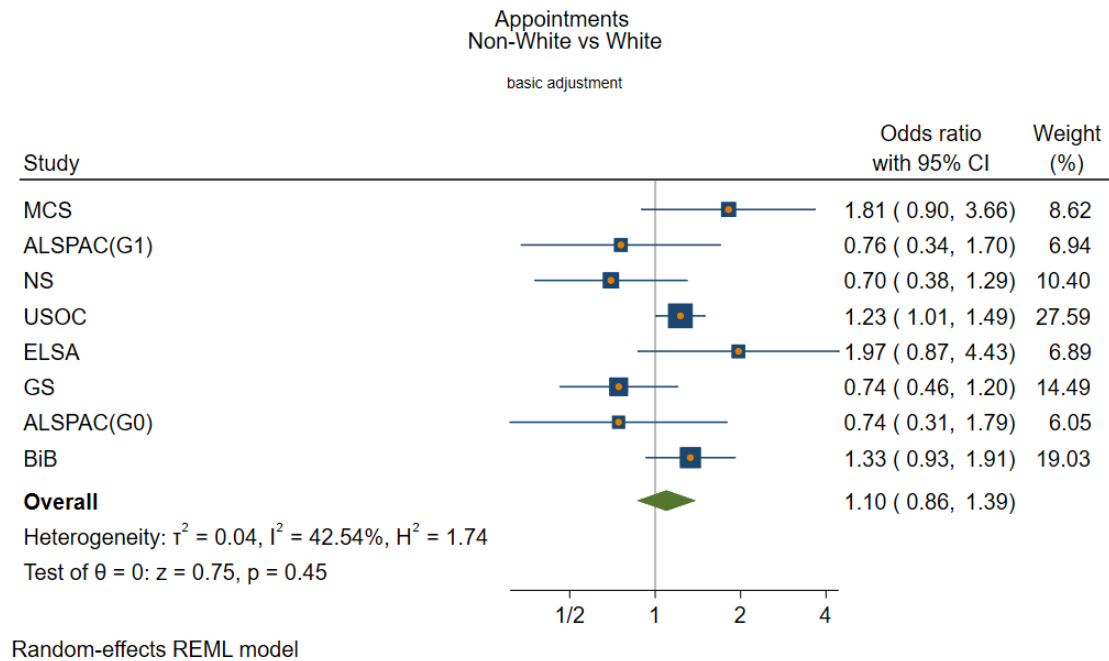


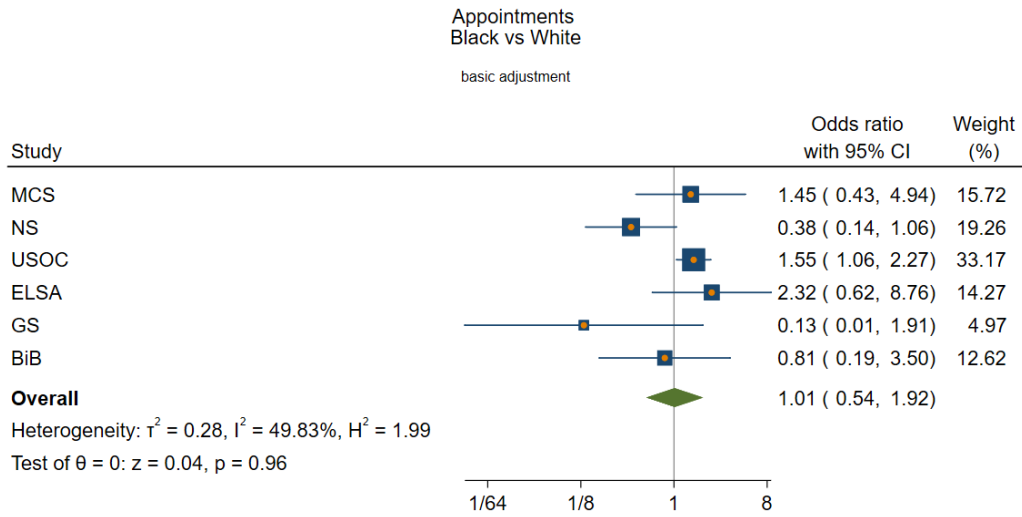


Random-effects REML model

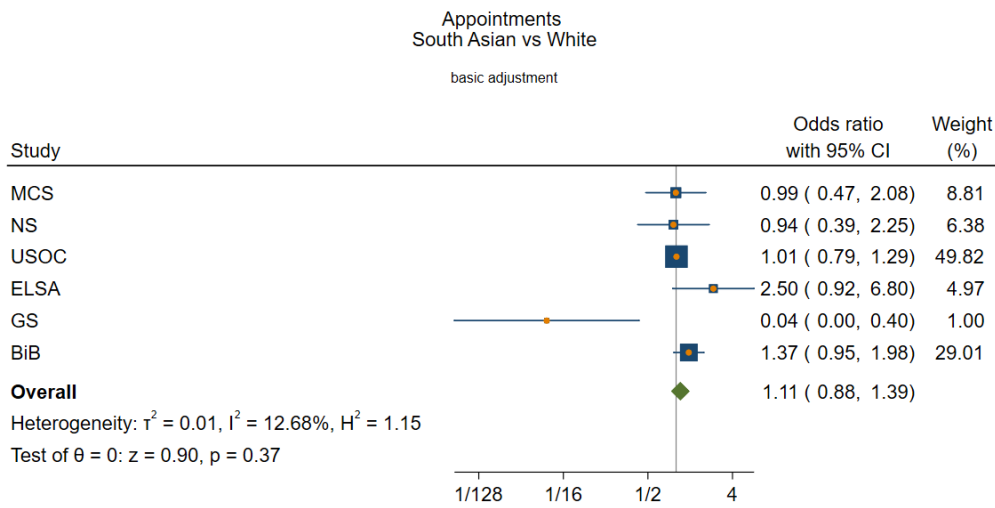


Random-effects REML model

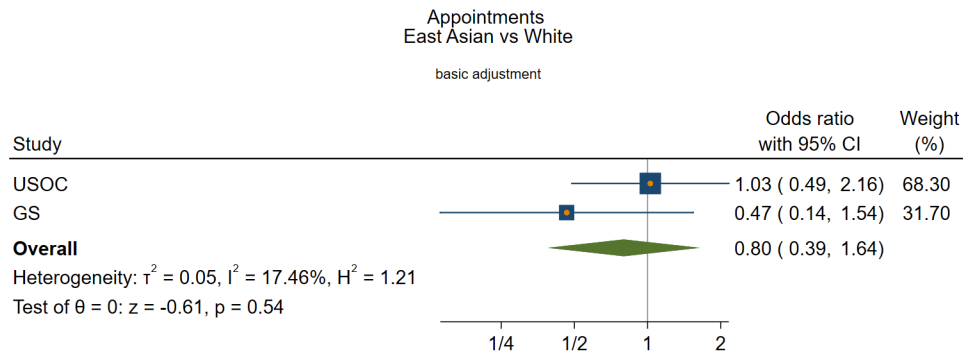
Basic adjustment



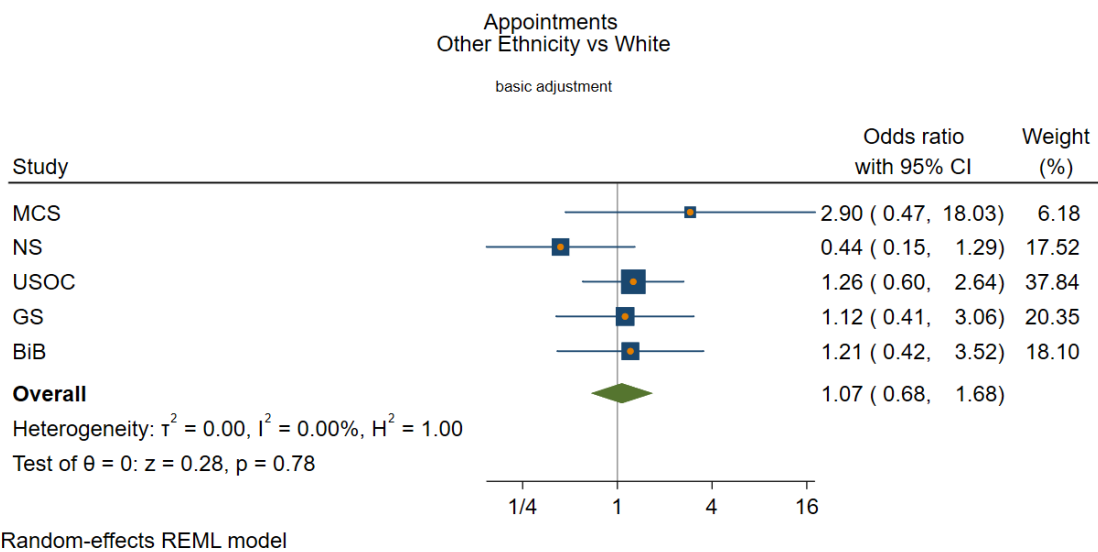
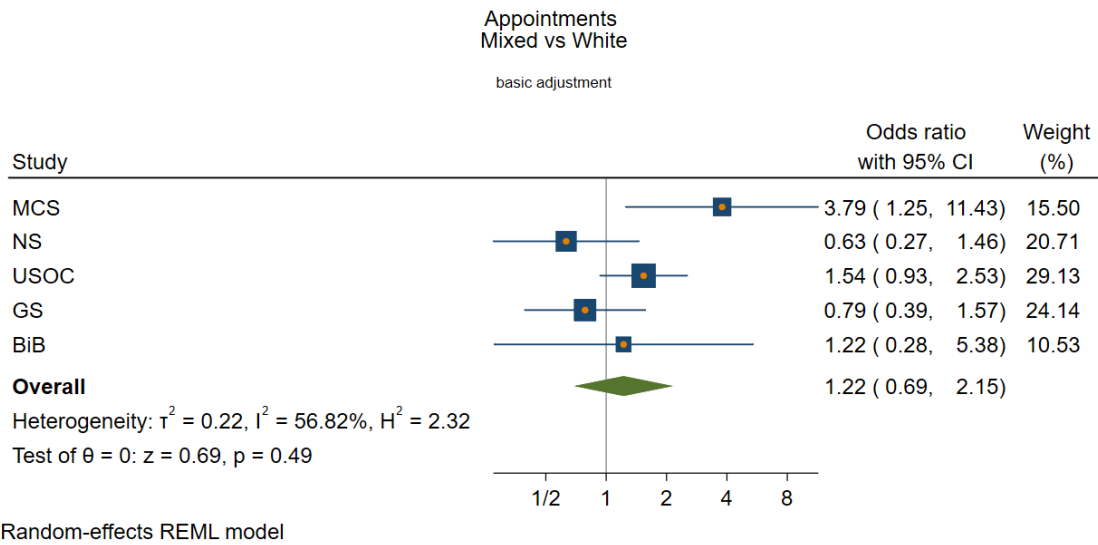
Random-effects REML model

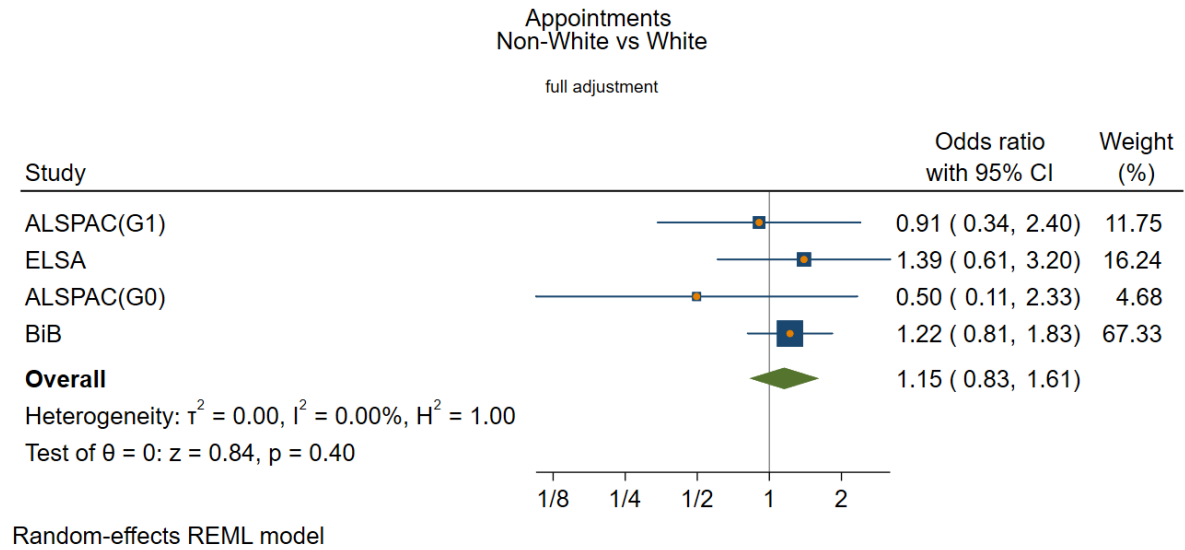


Random-effects REML model



Random-effects REML model

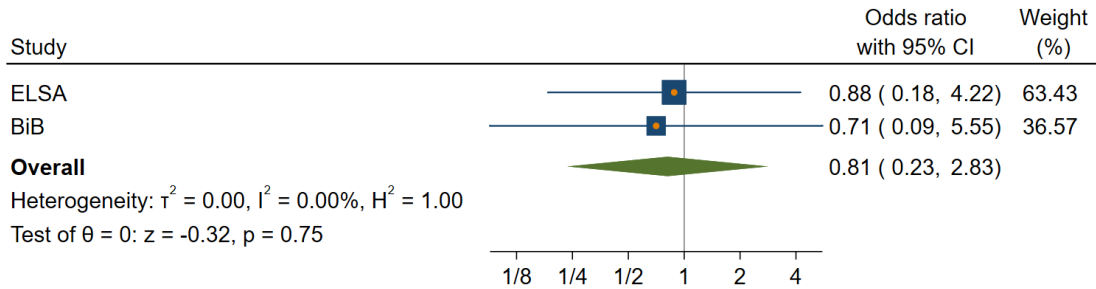


Full adjustment



Appointments  
Black vs White

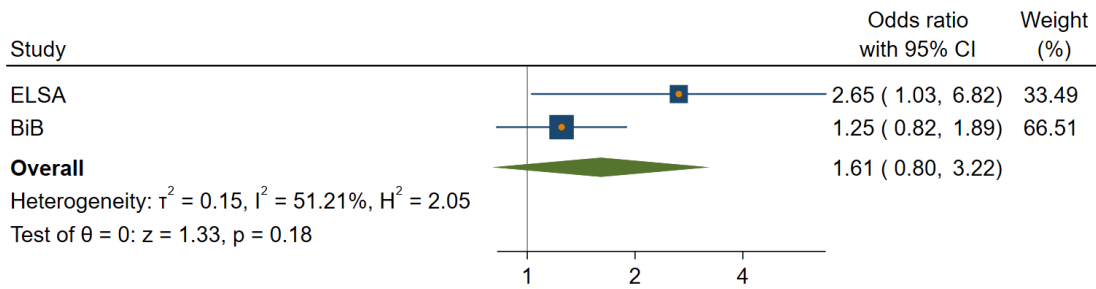
full adjustment



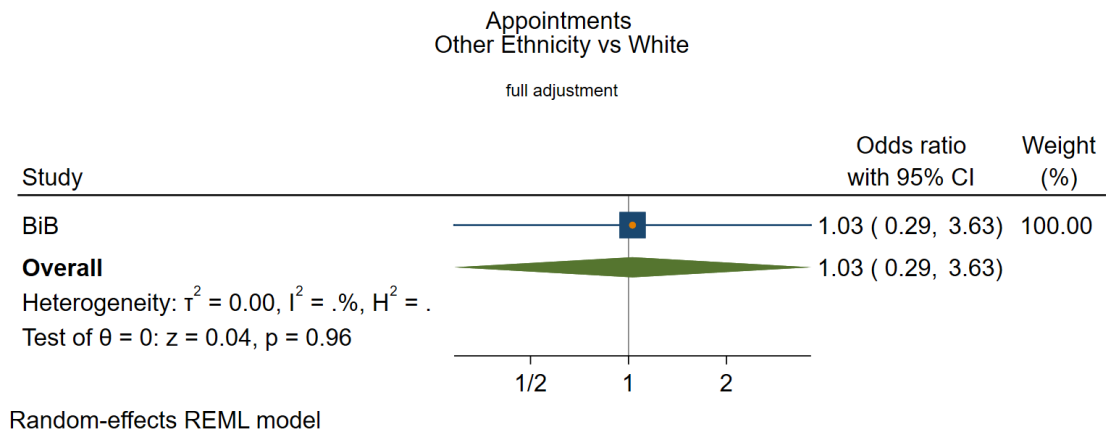
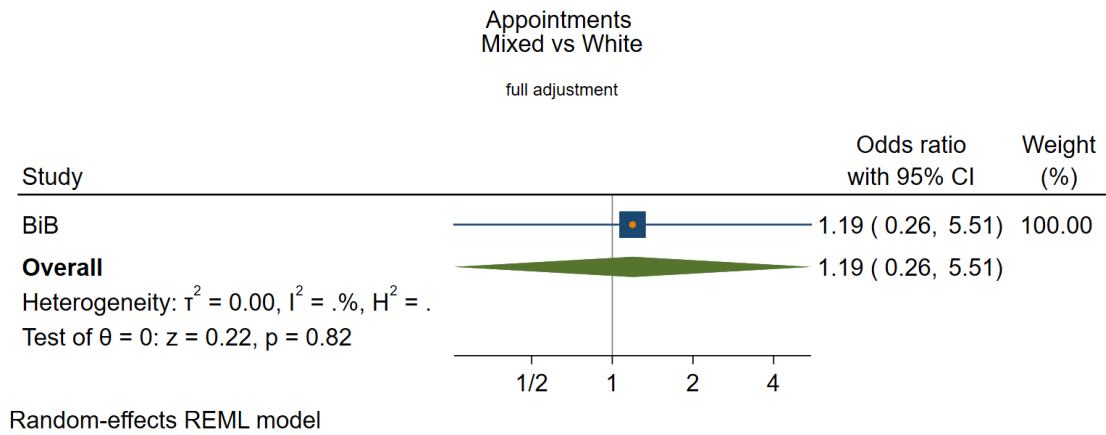
Random-effects REML model

Appointments  
South Asian vs White

full adjustment

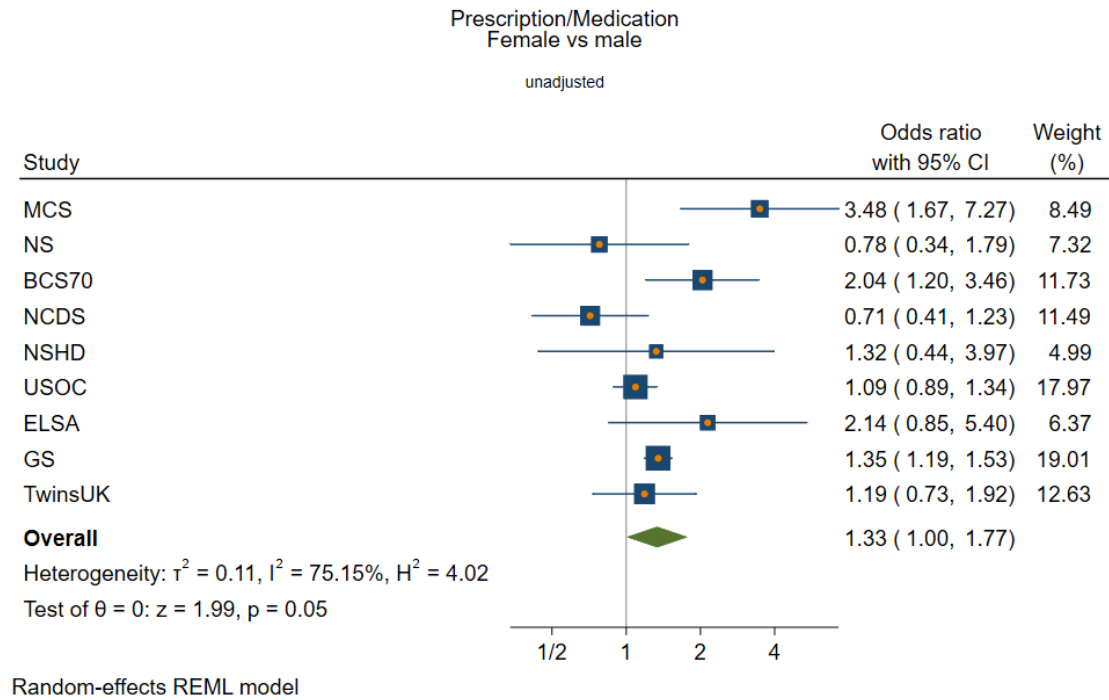


Random-effects REML model

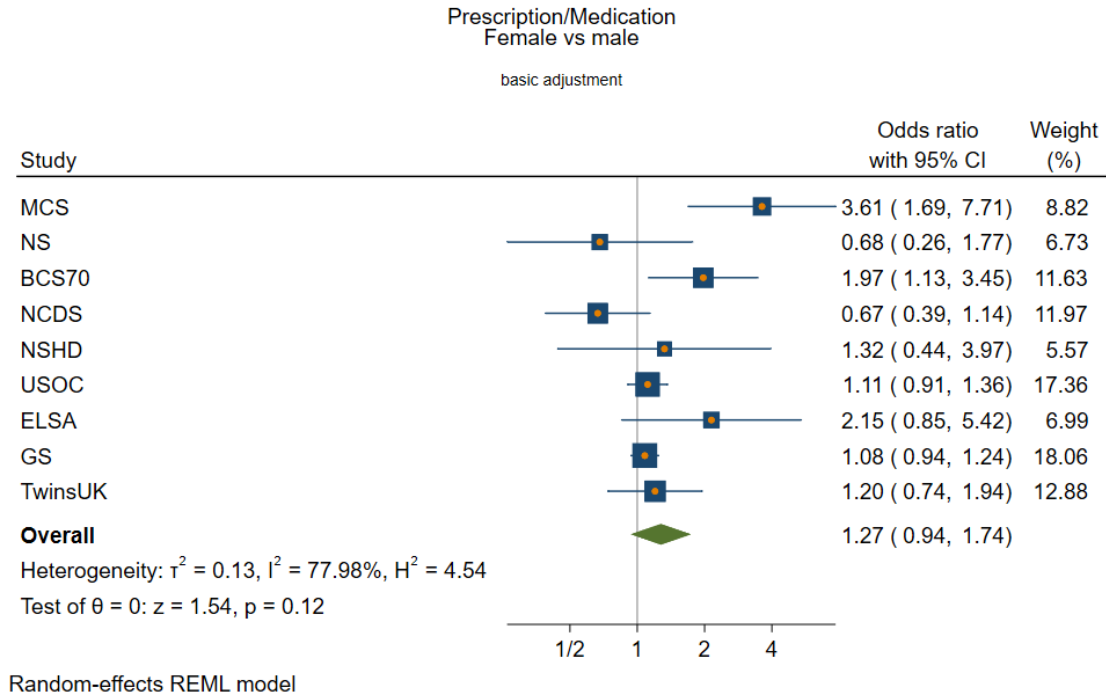


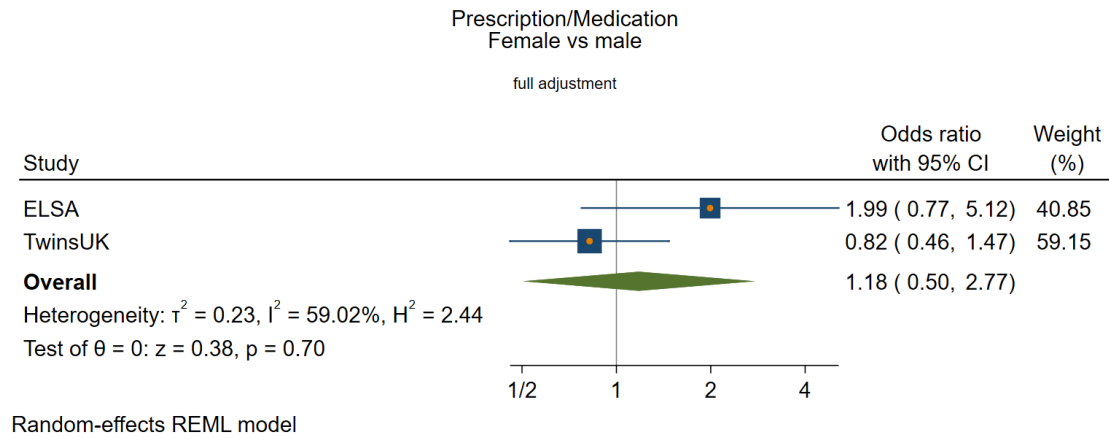
## Prescription/Medication access

Sex  
Unadjusted

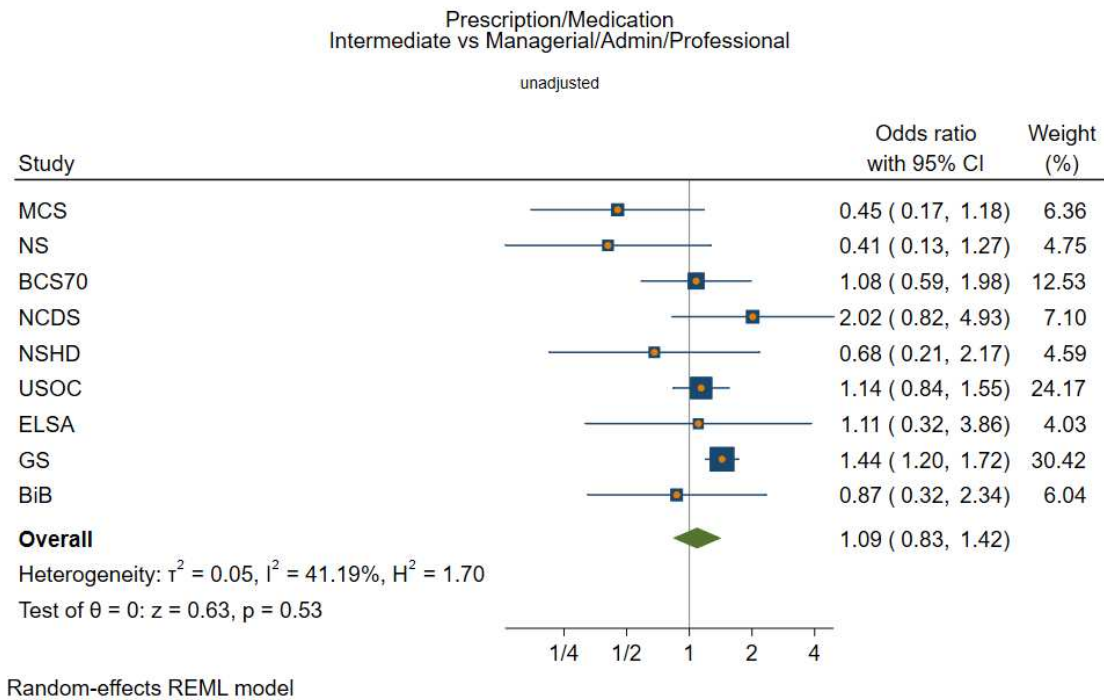


Basic adjustment



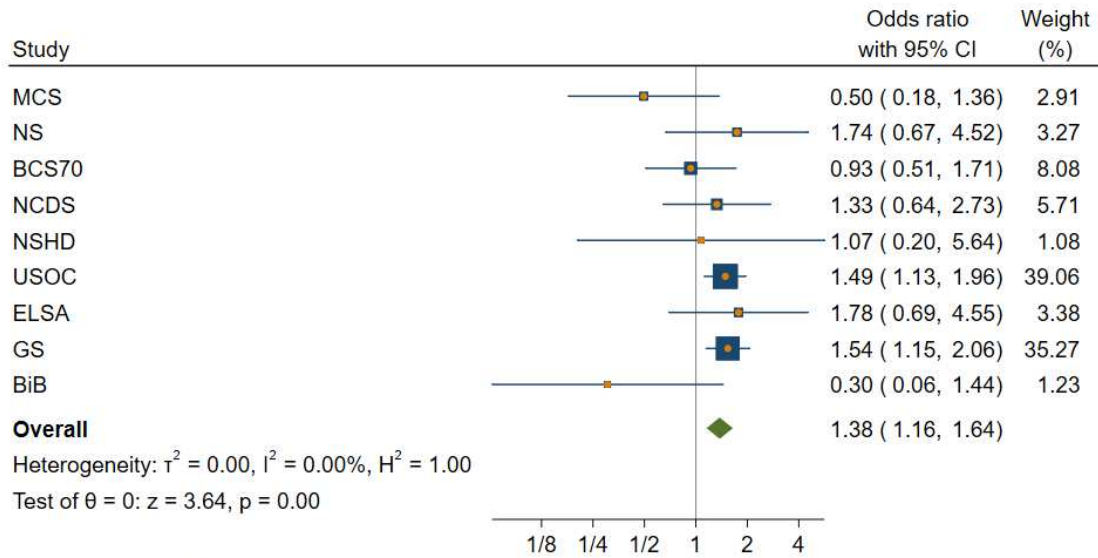
Full adjustment

*Occupational class*  
Unadjusted



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

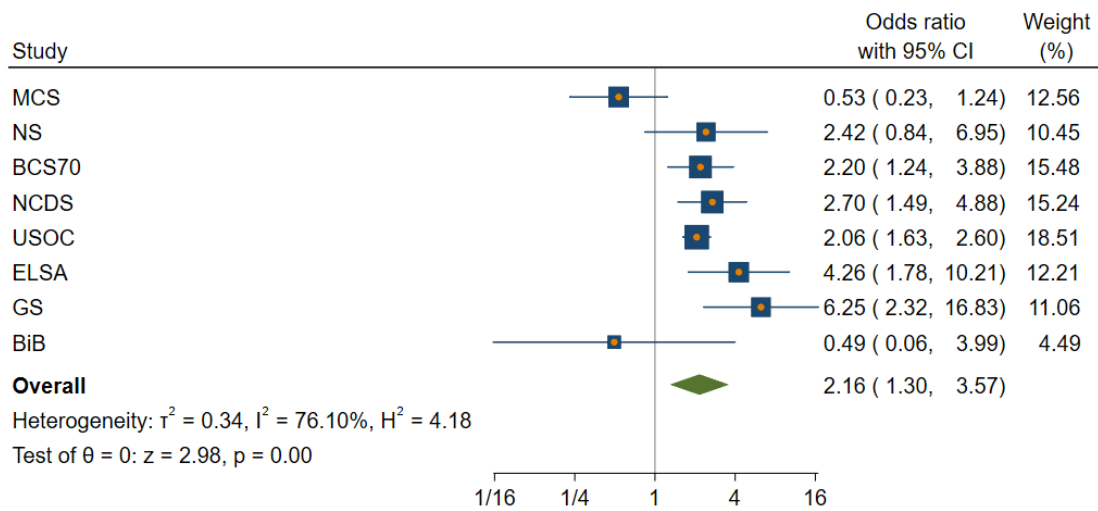
unadjusted



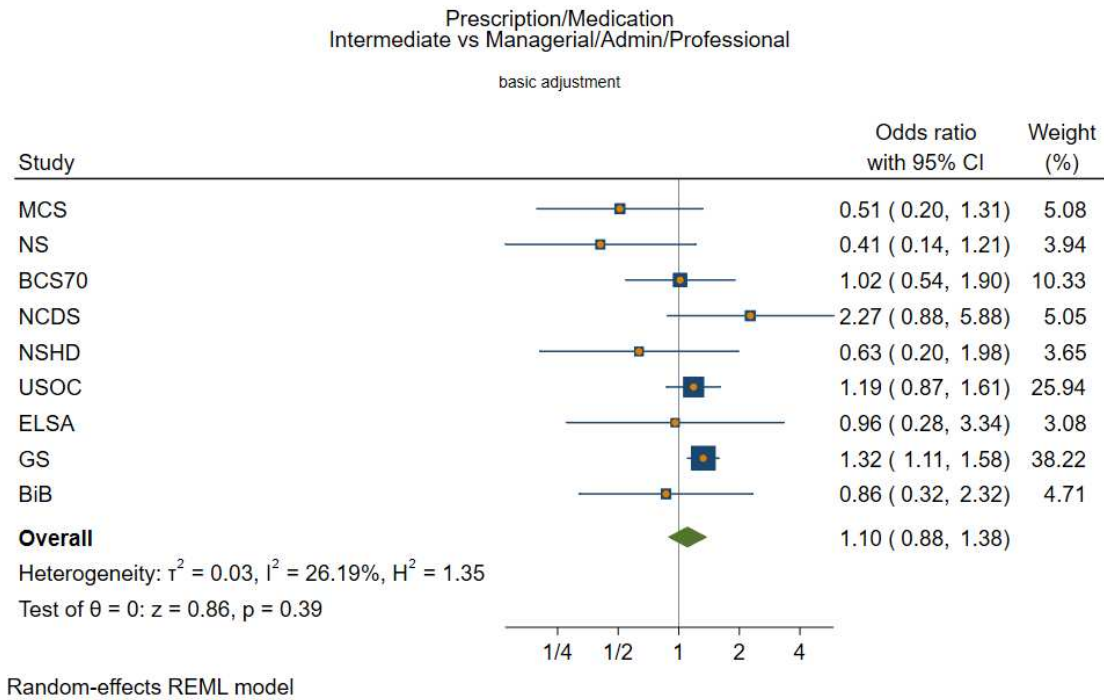
Random-effects REML model

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

unadjusted



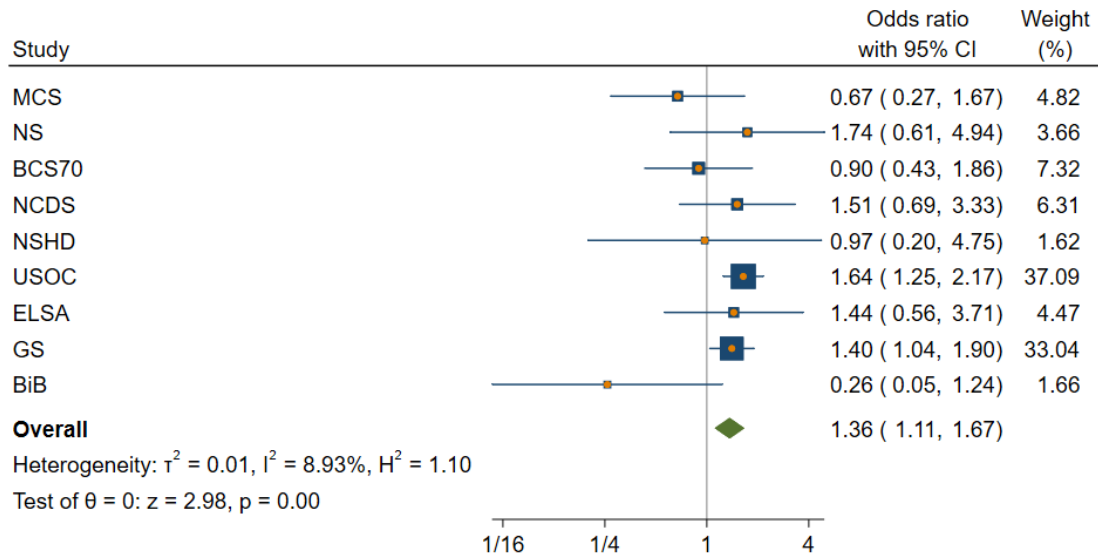
Random-effects REML model

Basic adjustment



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

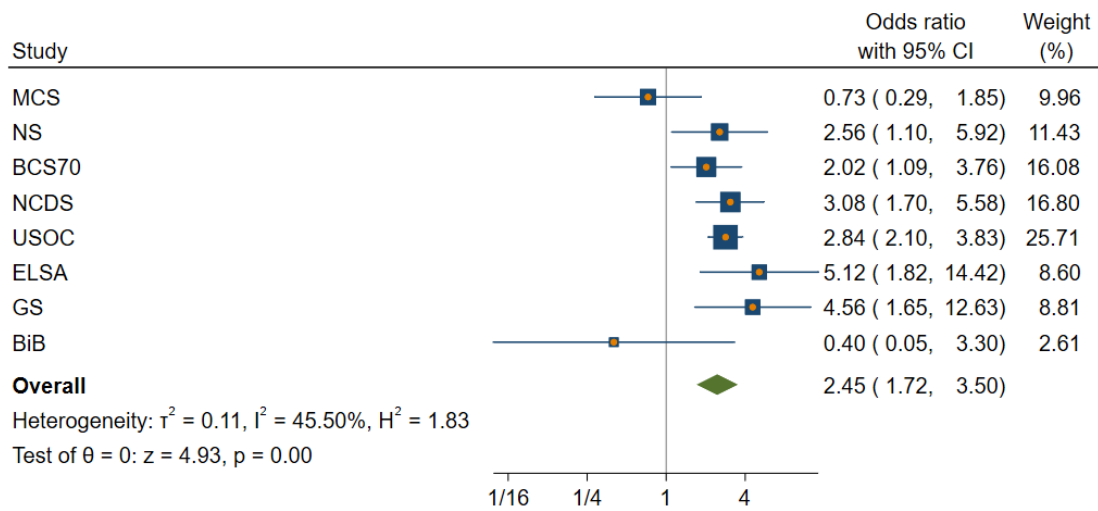
basic adjustment



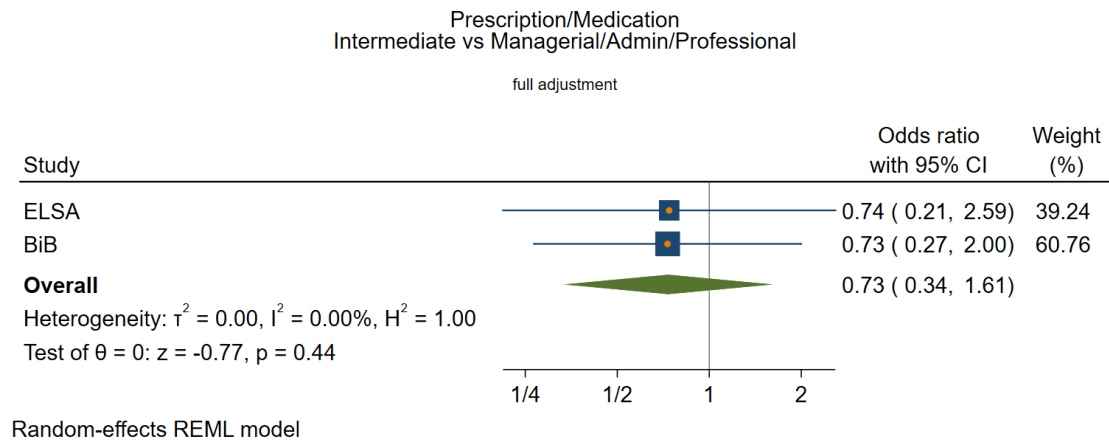
Random-effects REML model

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

basic adjustment

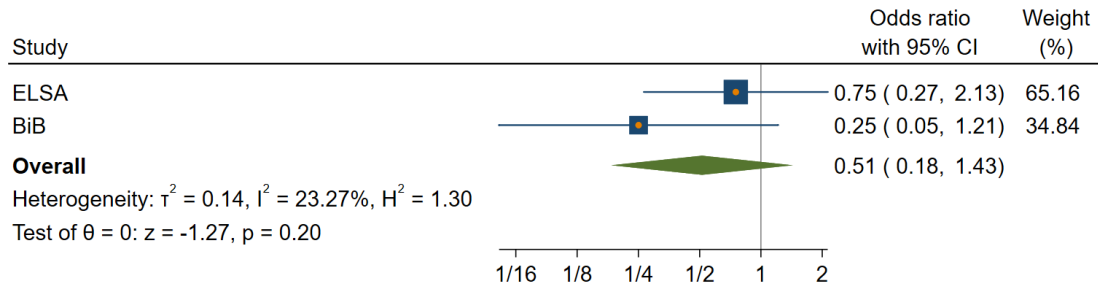


Random-effects REML model

Full adjustment

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

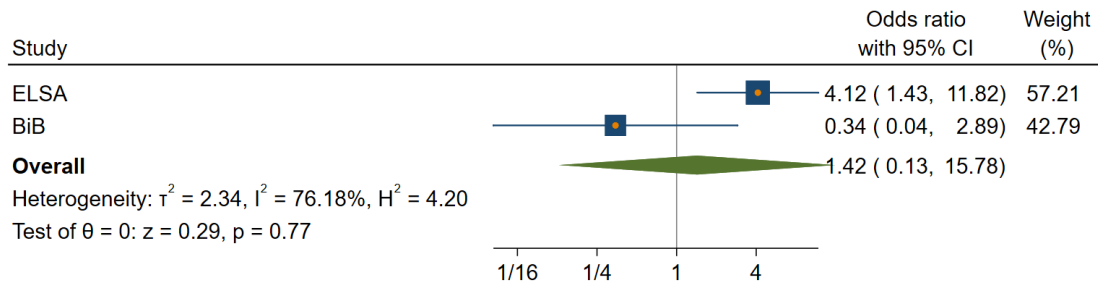
full adjustment



Random-effects REML model

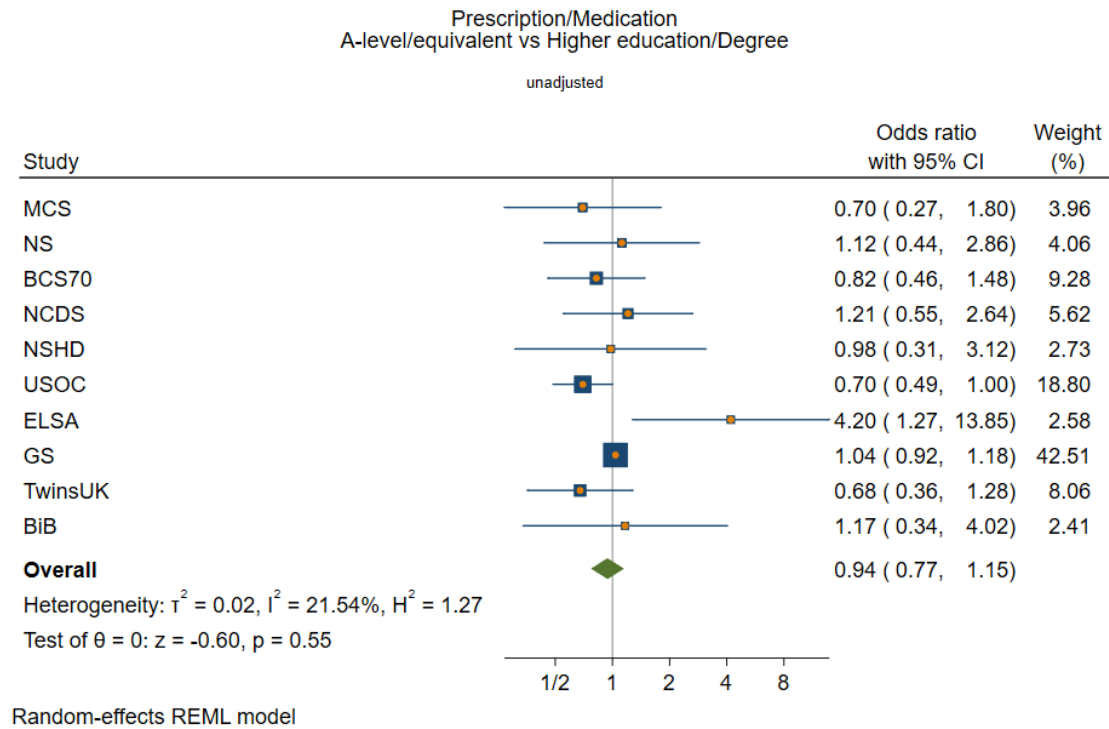
Prescription/Medication  
Other social class vs Managerial/Admin/Professional

full adjustment

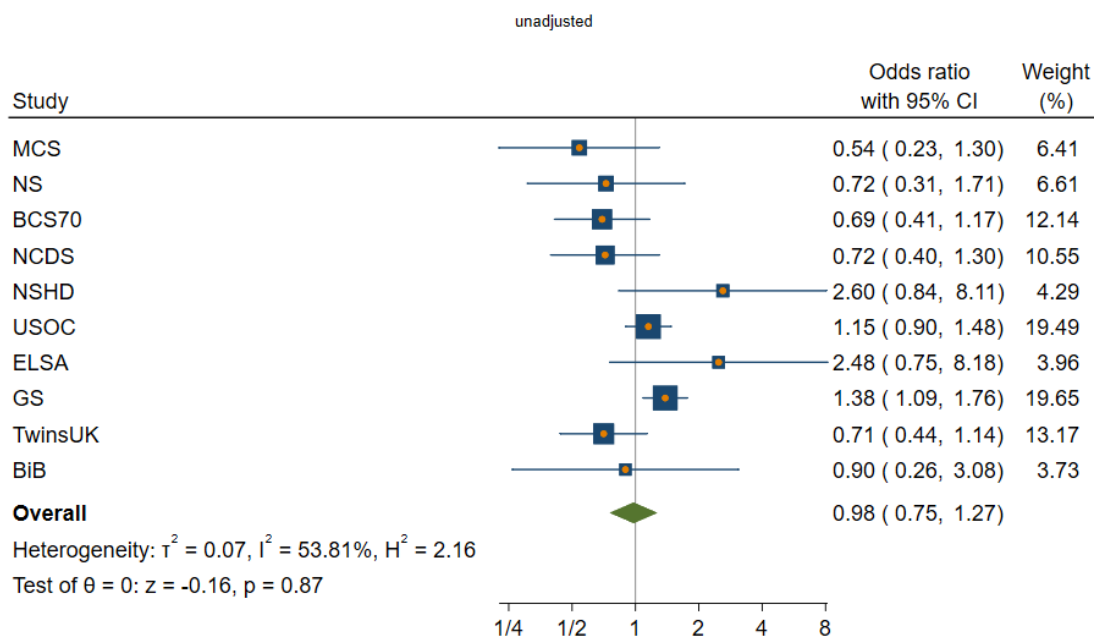


Random-effects REML model

*Education*  
Unadjusted

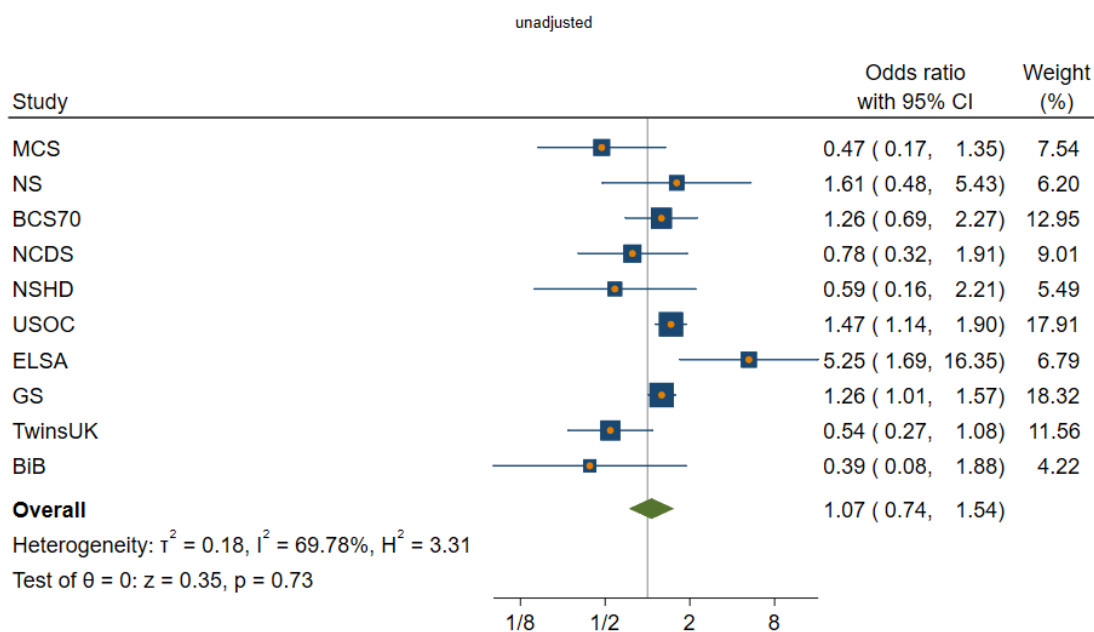


Prescription/Medication  
GCSE/equivalent vs Higher education/Degree

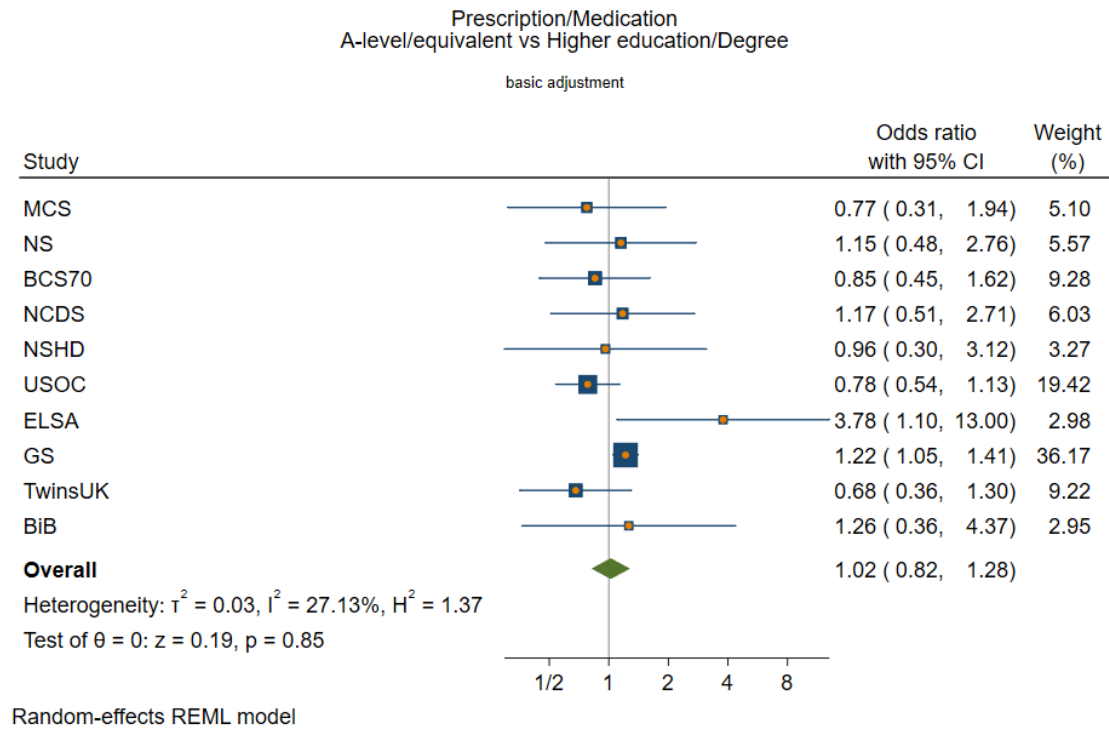


Random-effects REML model

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

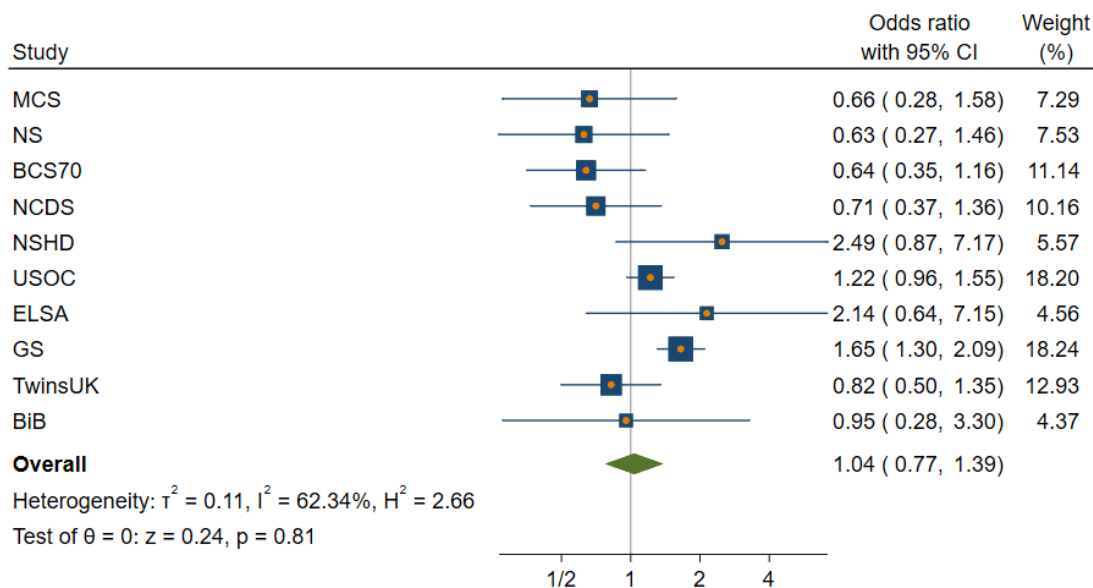


Random-effects REML model

Basic adjustment

Prescription/Medication  
GCSE/equivalent vs Higher education/Degree

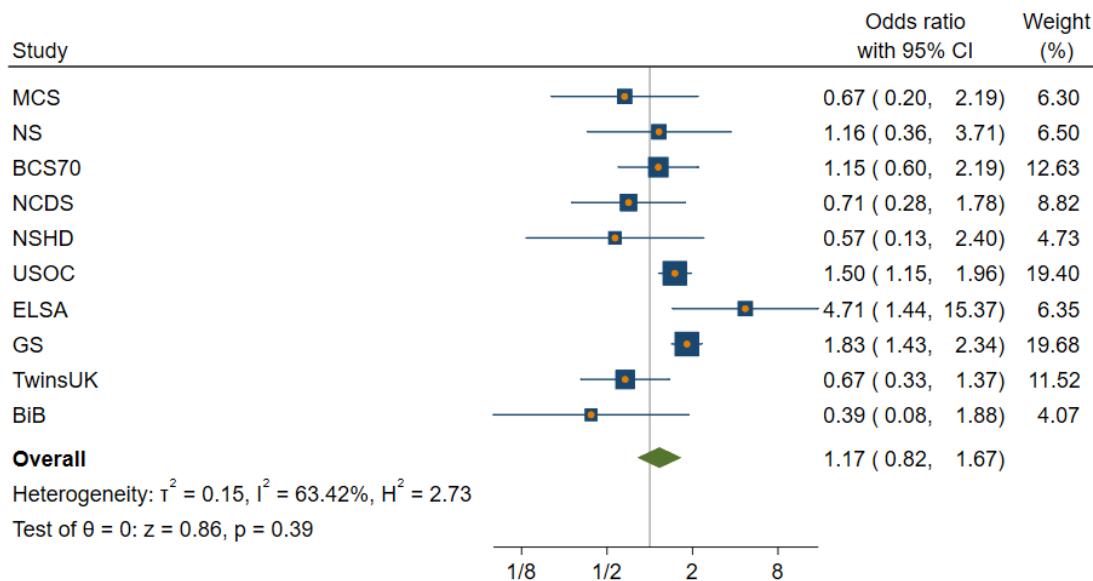
basic adjustment



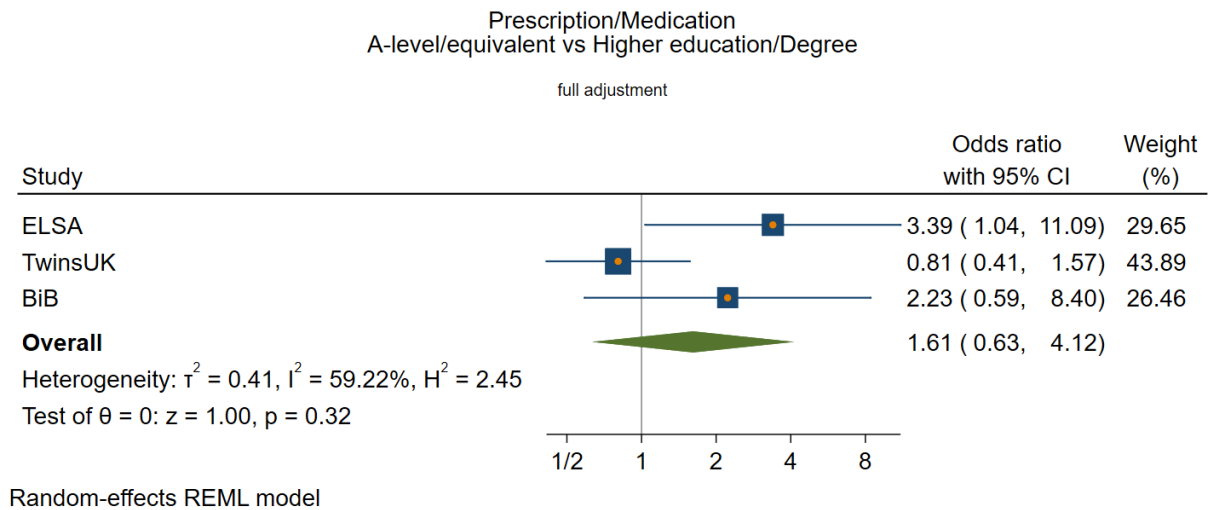
Random-effects REML model

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

basic adjustment



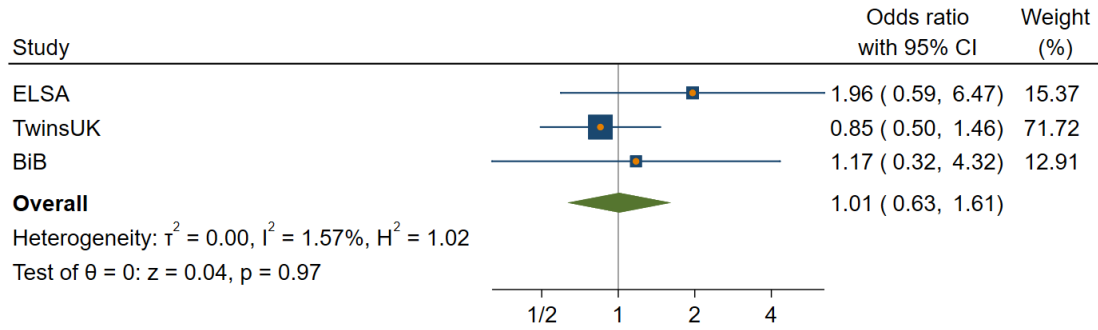
Random-effects REML model

Full adjustment



Prescription/Medication  
GCSE/equivalent vs Higher education/Degree

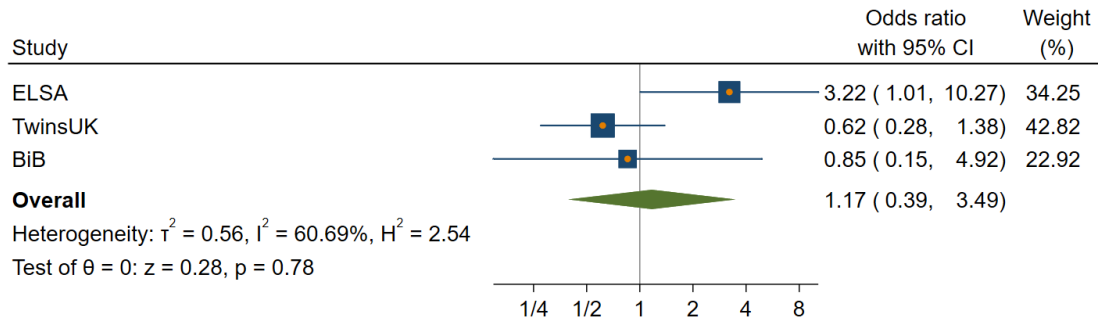
full adjustment



Random-effects REML model

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

full adjustment

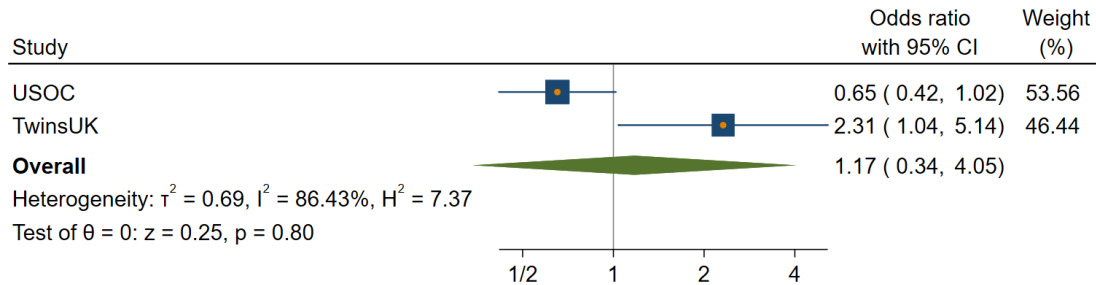


Random-effects REML model

*Age*  
Unadjusted

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

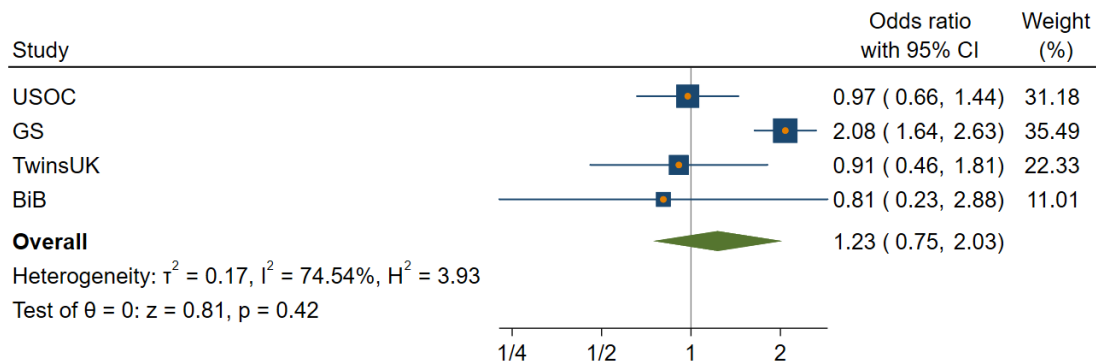
unadjusted



Random-effects REML model

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

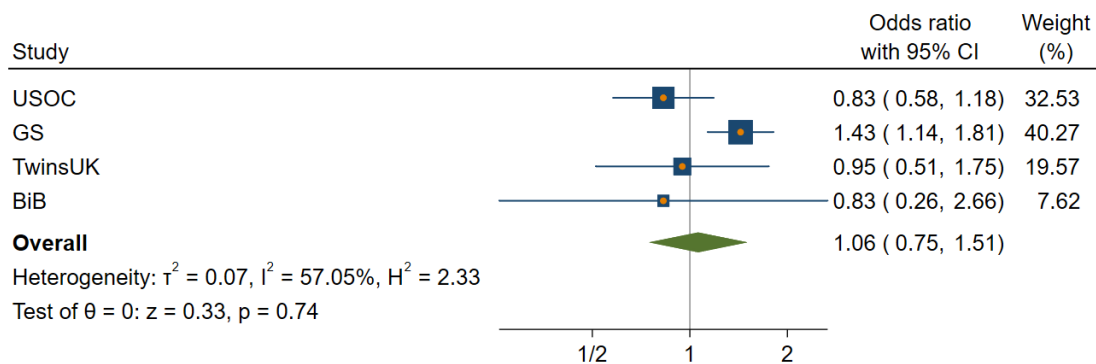
unadjusted



Random-effects REML model

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

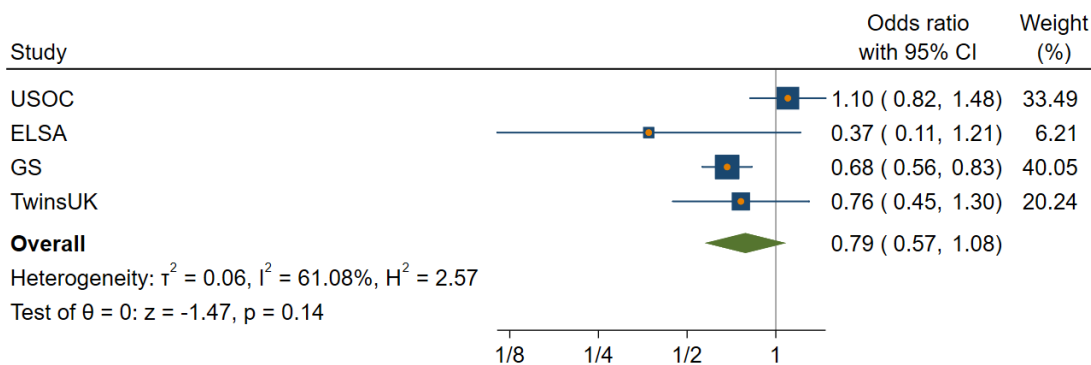
unadjusted



Random-effects REML model

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

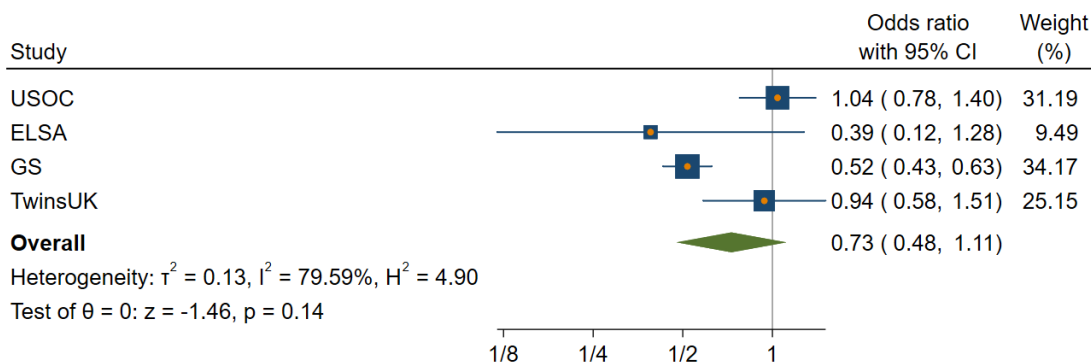
unadjusted



Random-effects REML model

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

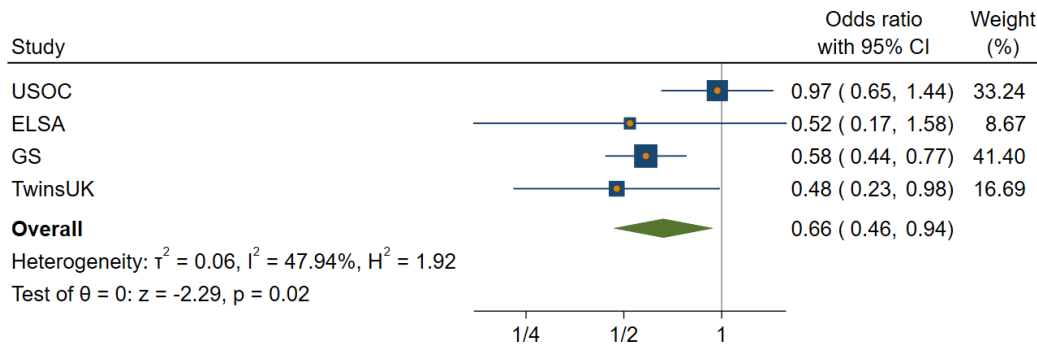
unadjusted



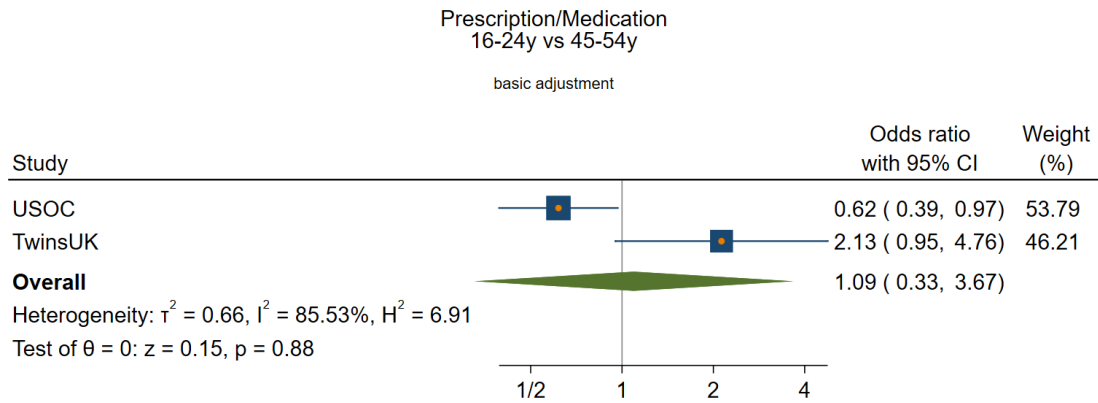
Random-effects REML model

Prescription/Medication  
75y+ vs 45-54y

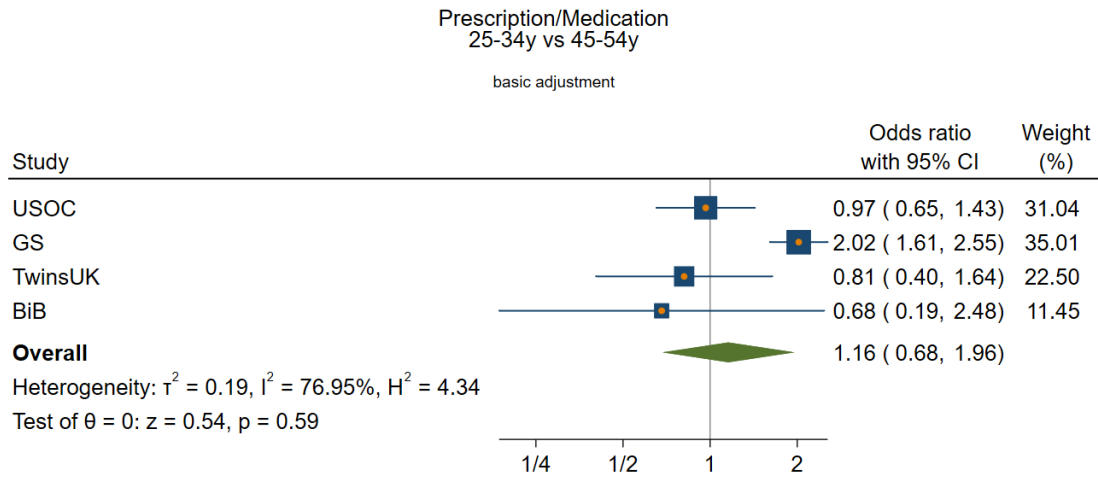
unadjusted



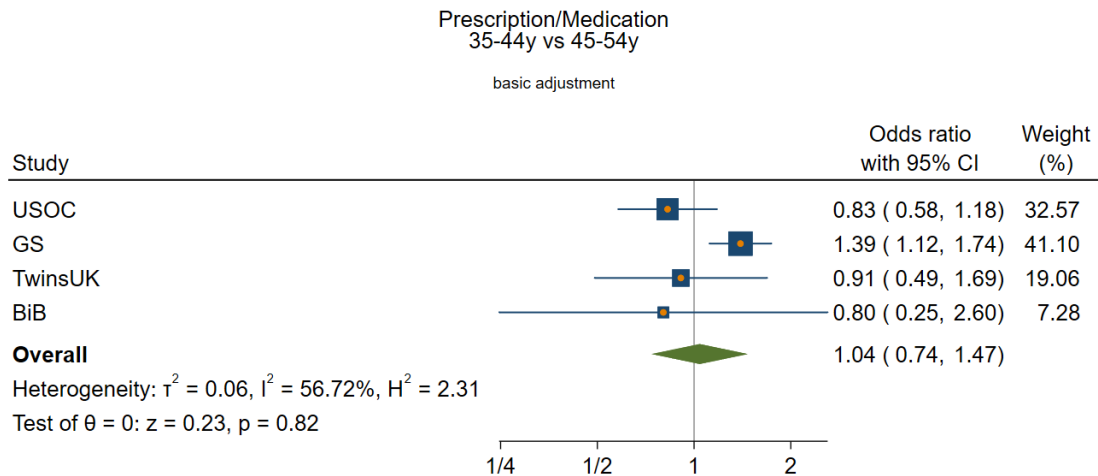
Random-effects REML model

Basic adjustment

Random-effects REML model



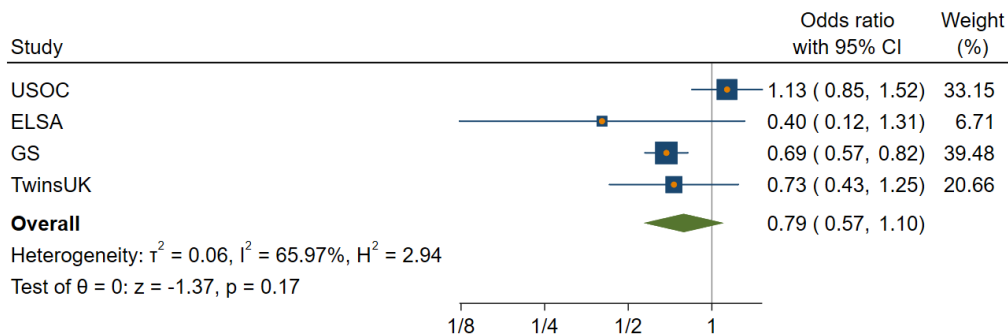
Random-effects REML model



Random-effects REML model

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

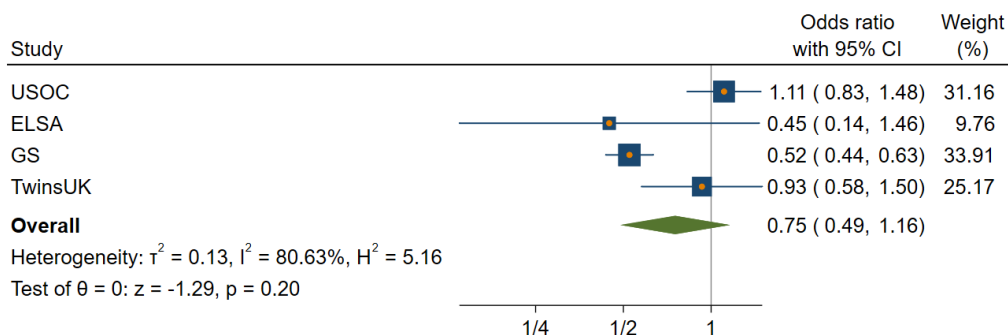
basic adjustment



Random-effects REML model

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

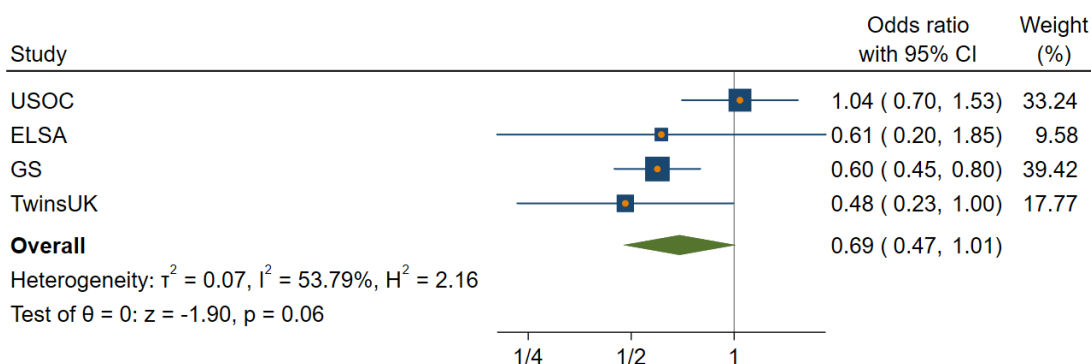
basic adjustment



Random-effects REML model

Prescription/Medication  
75y+ vs 45-54y

basic adjustment

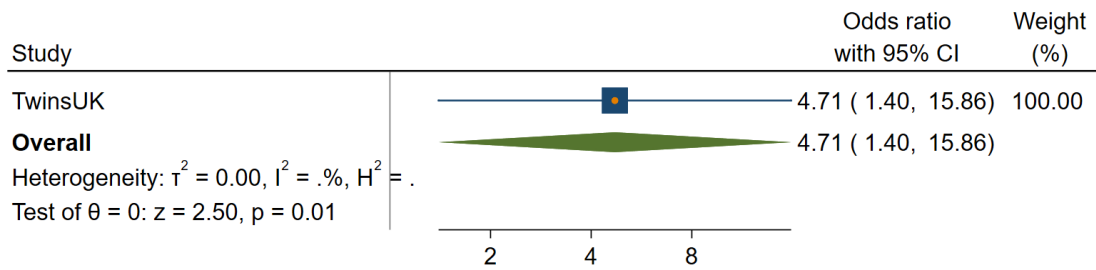


Random-effects REML model

Full adjustment

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

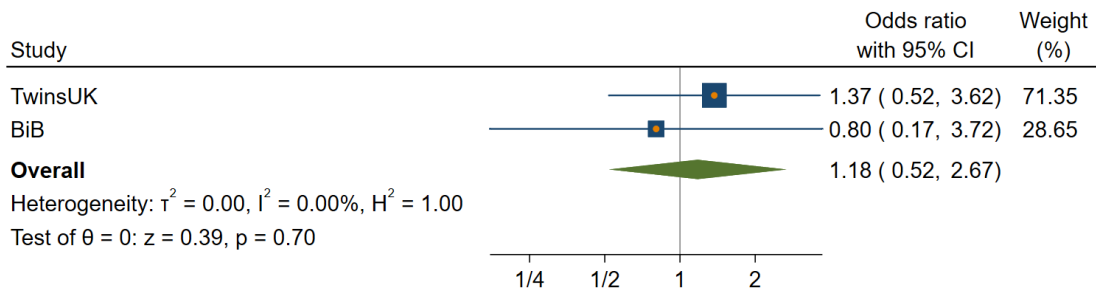
full adjustment



Random-effects REML model

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

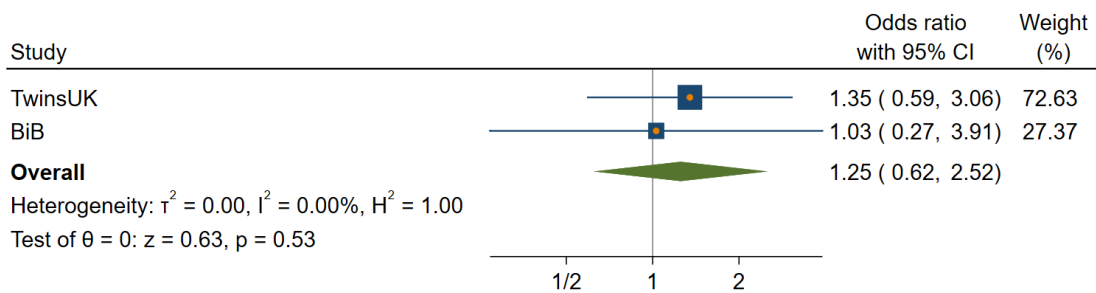
full adjustment



Random-effects REML model

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

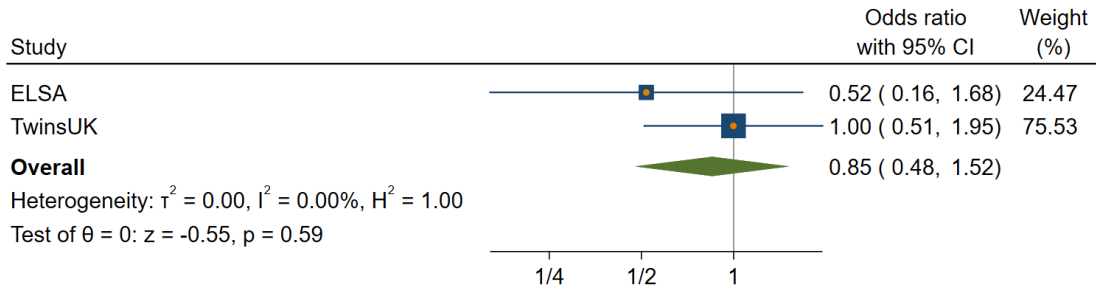
full adjustment



Random-effects REML model

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

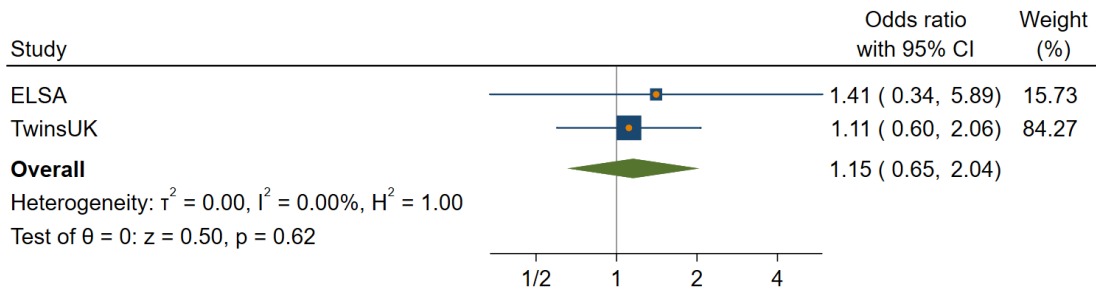
full adjustment



Random-effects REML model

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

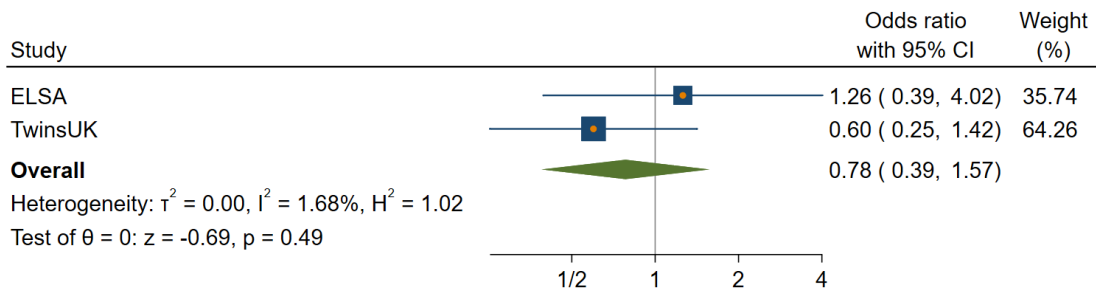
full adjustment



Random-effects REML model

Prescription/Medication  
75y+ vs 45-54y

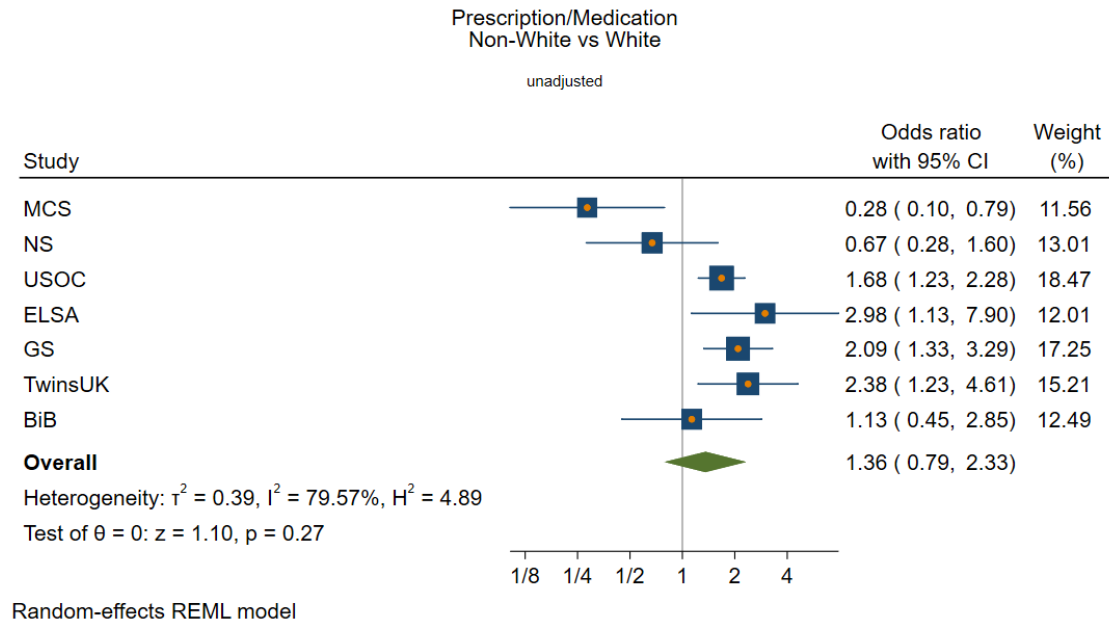
full adjustment

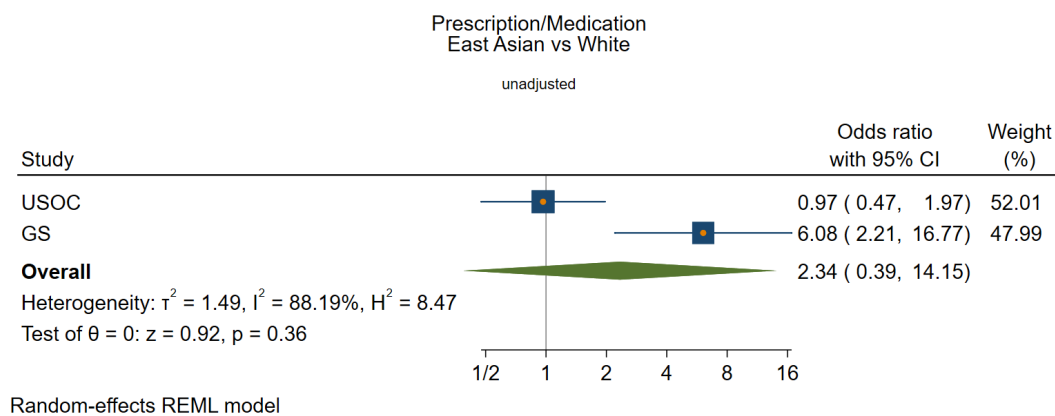
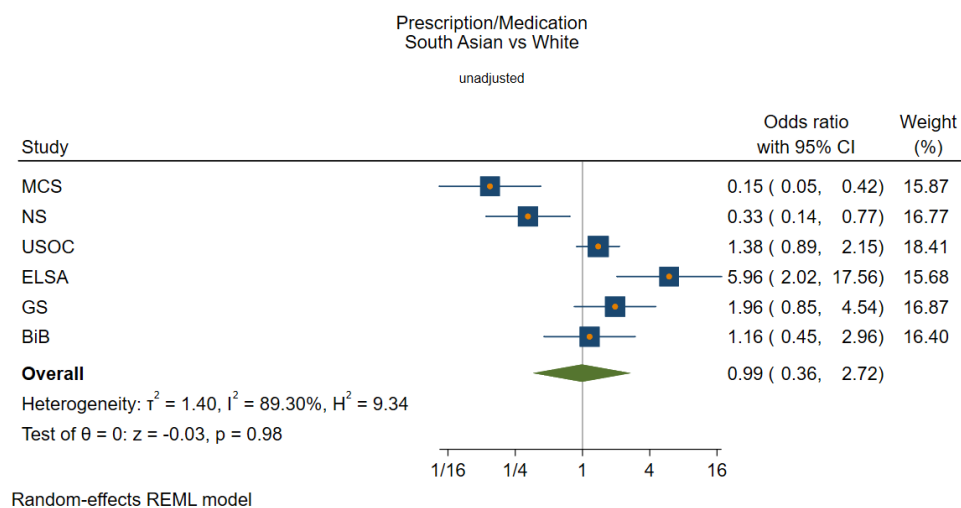
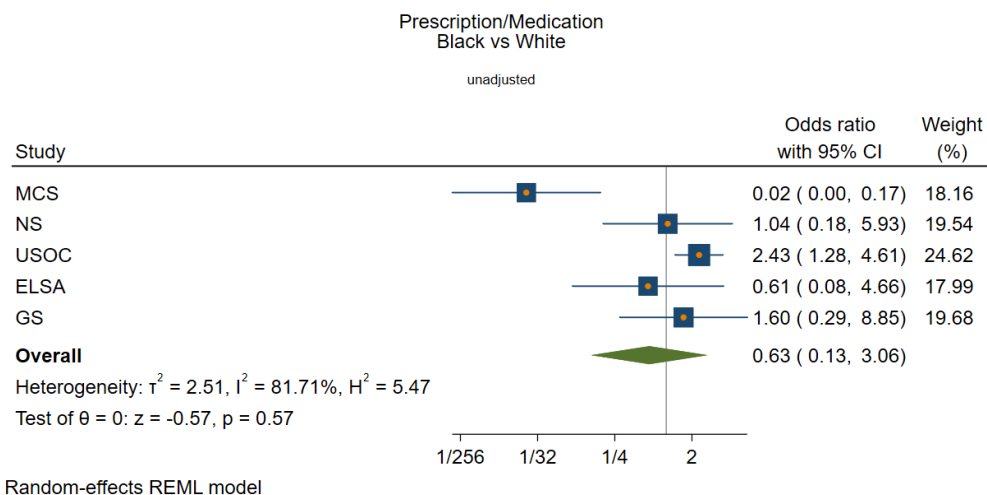


Random-effects REML model



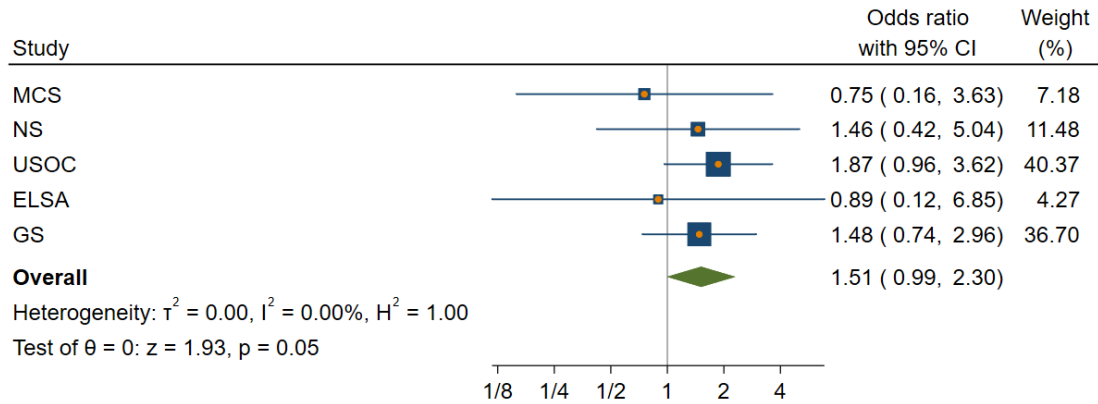
*Ethnicity*  
Unadjusted





Prescription/Medication  
Mixed vs White

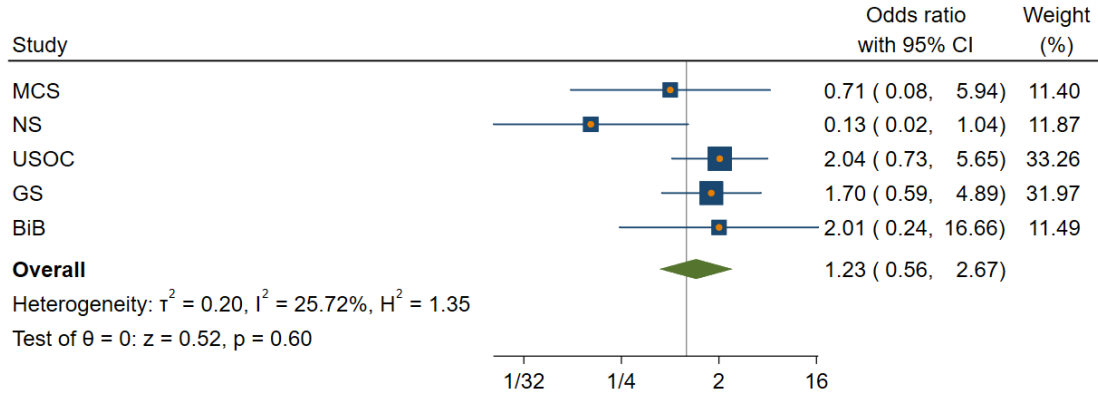
unadjusted



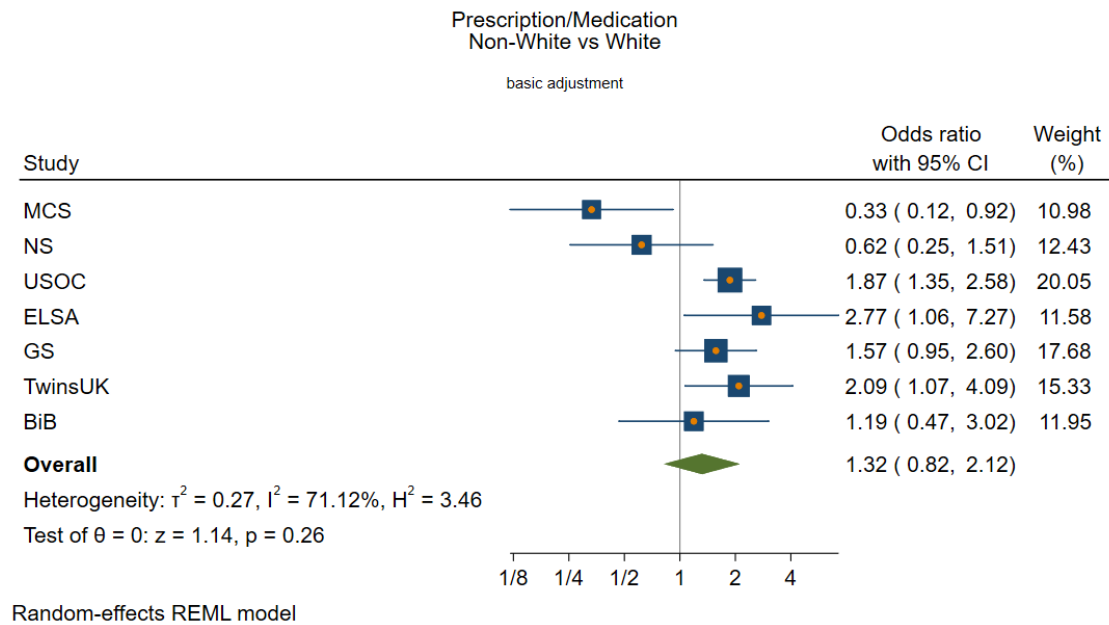
Random-effects REML model

Prescription/Medication  
Other Ethnicity vs White

unadjusted

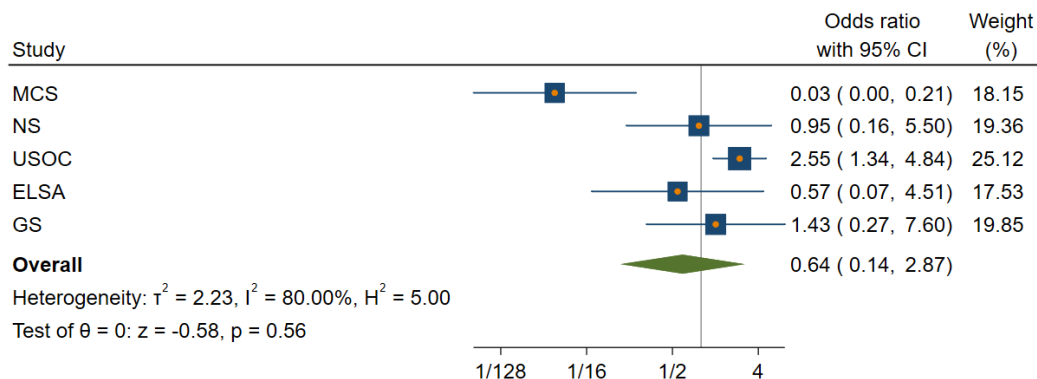


Random-effects REML model

Basic adjustment

Prescription/Medication  
Black vs White

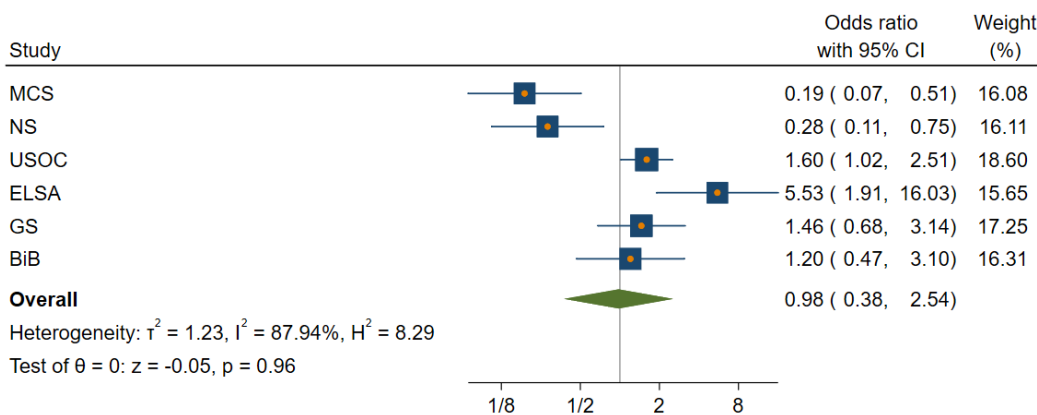
basic adjustment



Random-effects REML model

Prescription/Medication  
South Asian vs White

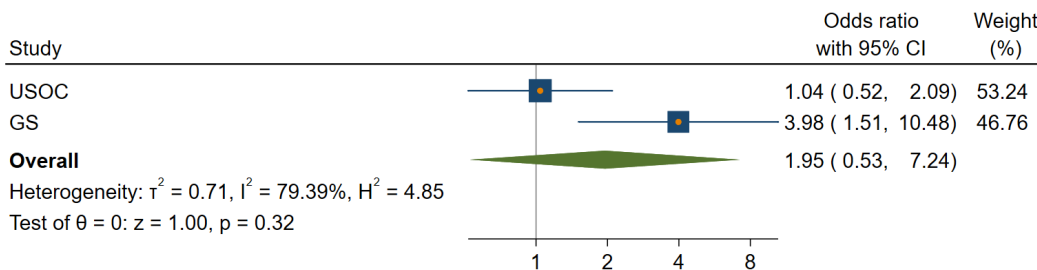
basic adjustment



Random-effects REML model

Prescription/Medication  
East Asian vs White

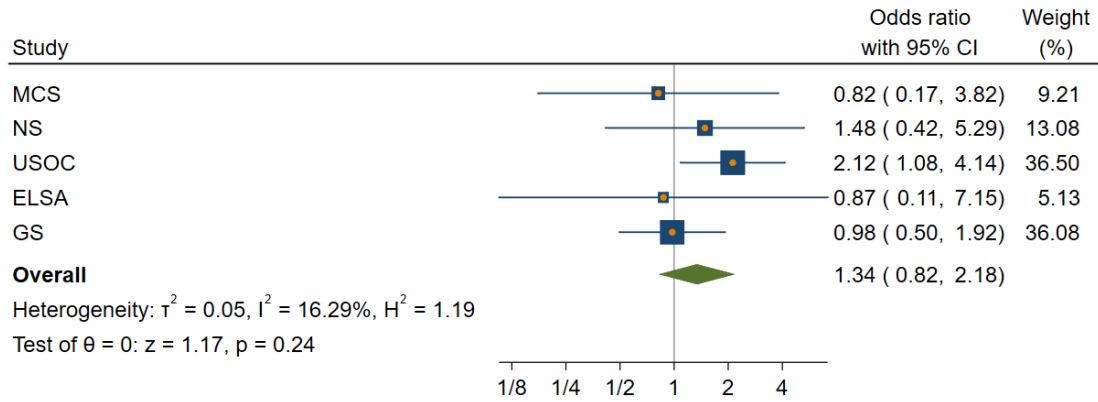
basic adjustment



Random-effects REML model

Prescription/Medication  
Mixed vs White

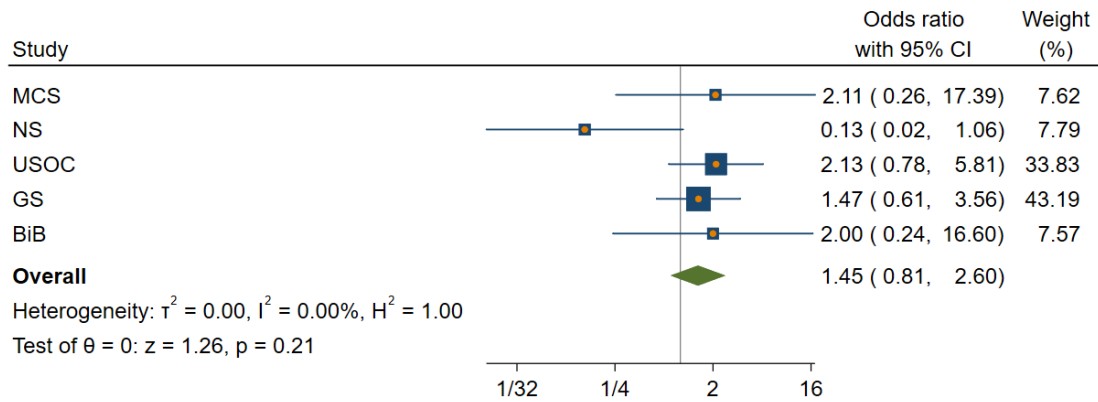
basic adjustment



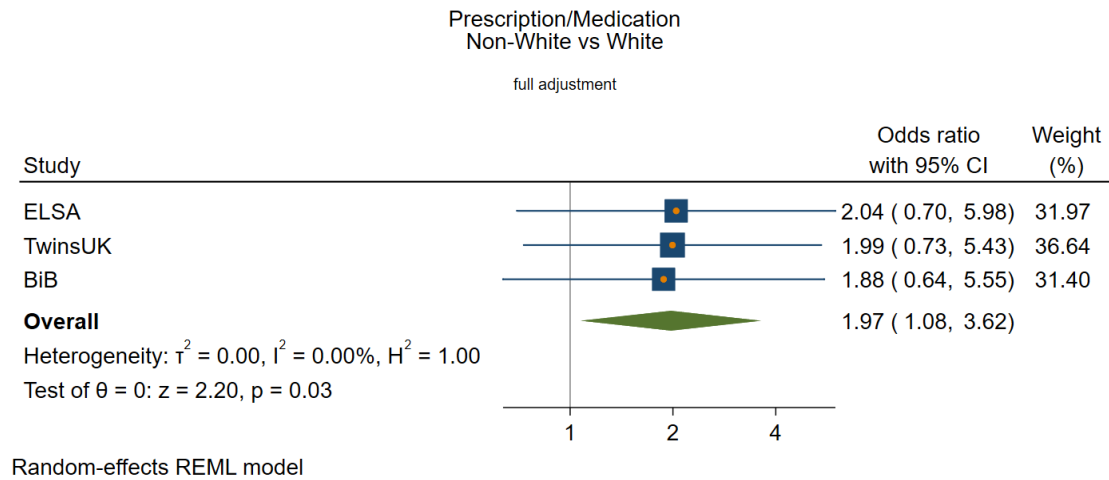
Random-effects REML model

Prescription/Medication  
Other Ethnicity vs White

basic adjustment

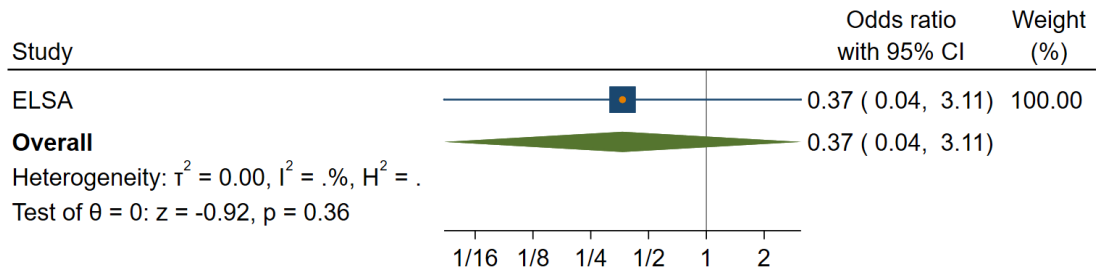


Random-effects REML model

Full adjustment

Prescription/Medication  
Black vs White

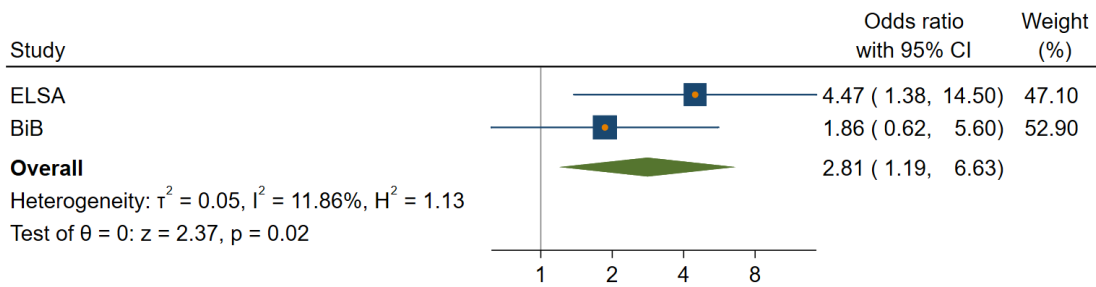
full adjustment



Random-effects REML model

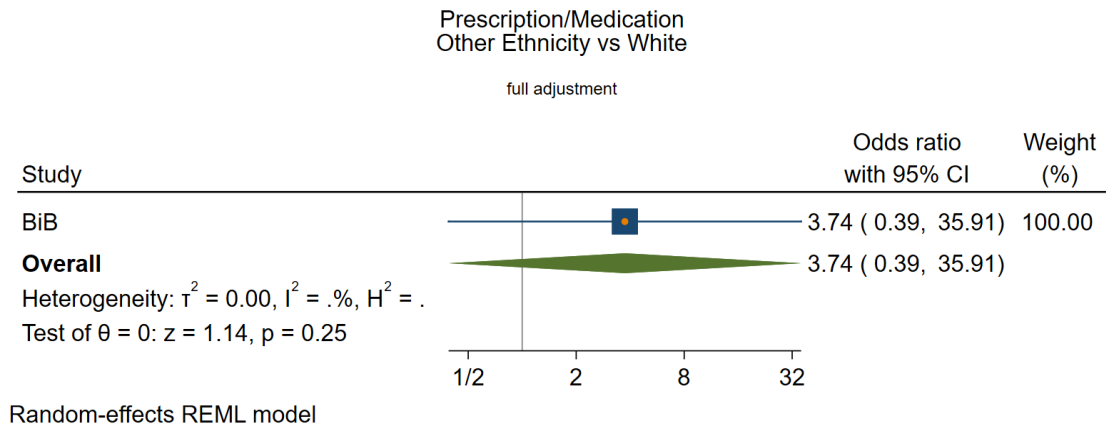
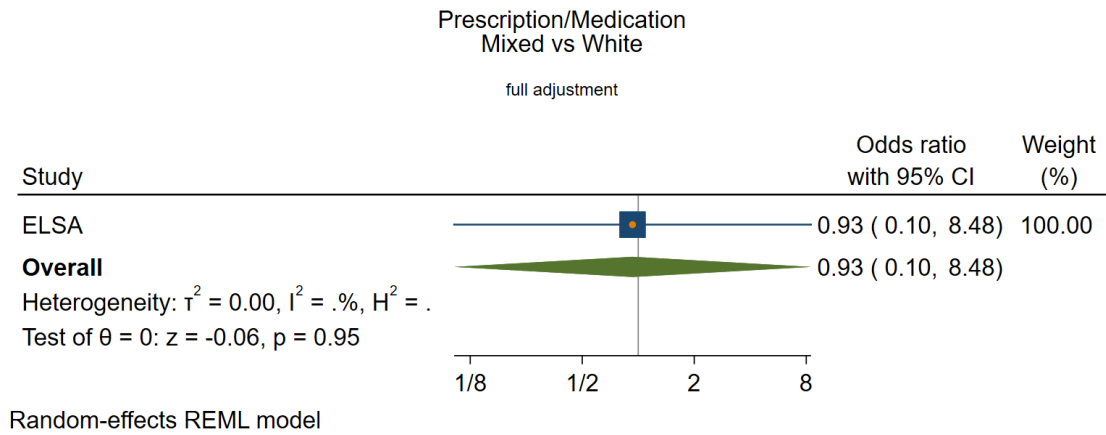
Prescription/Medication  
South Asian vs White

full adjustment



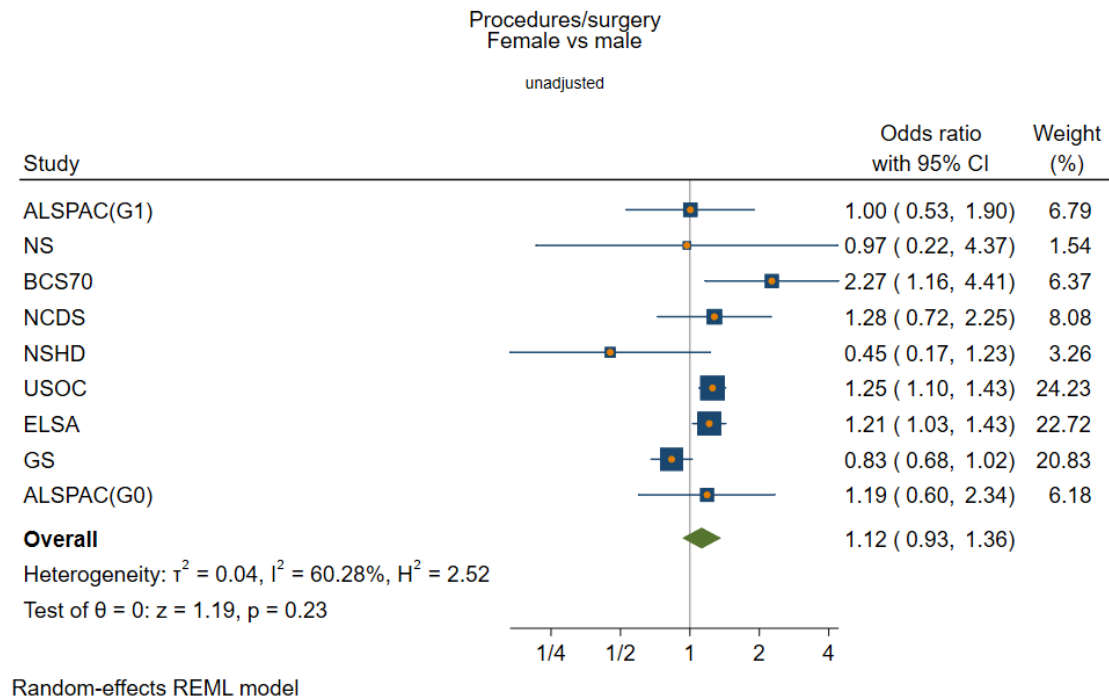
Random-effects REML model

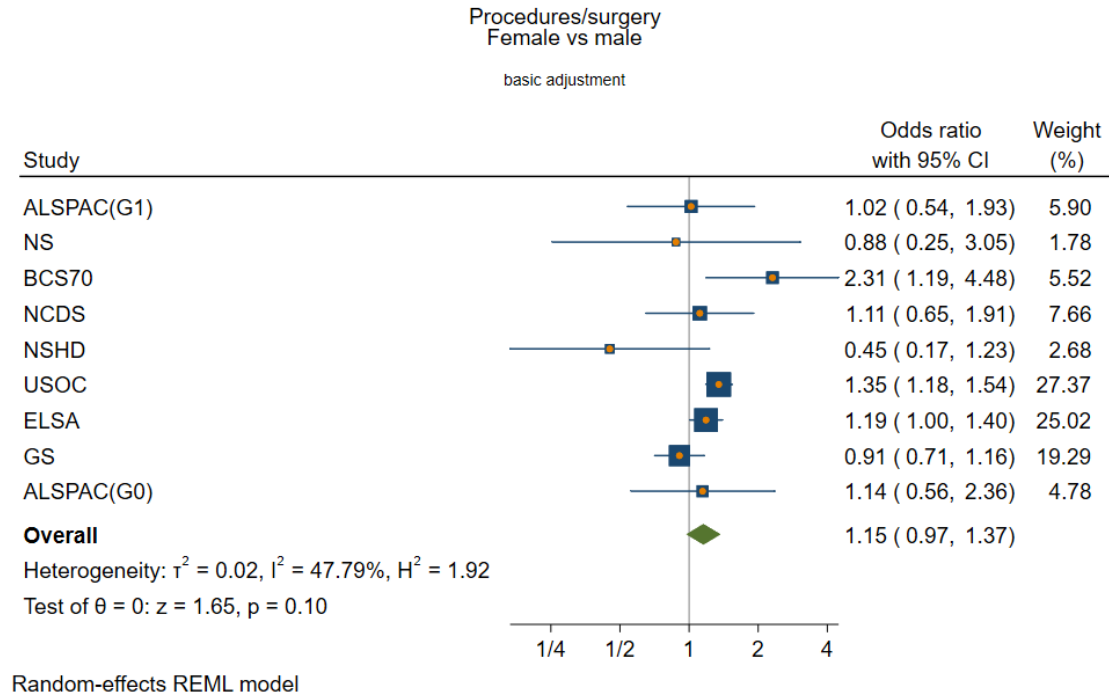


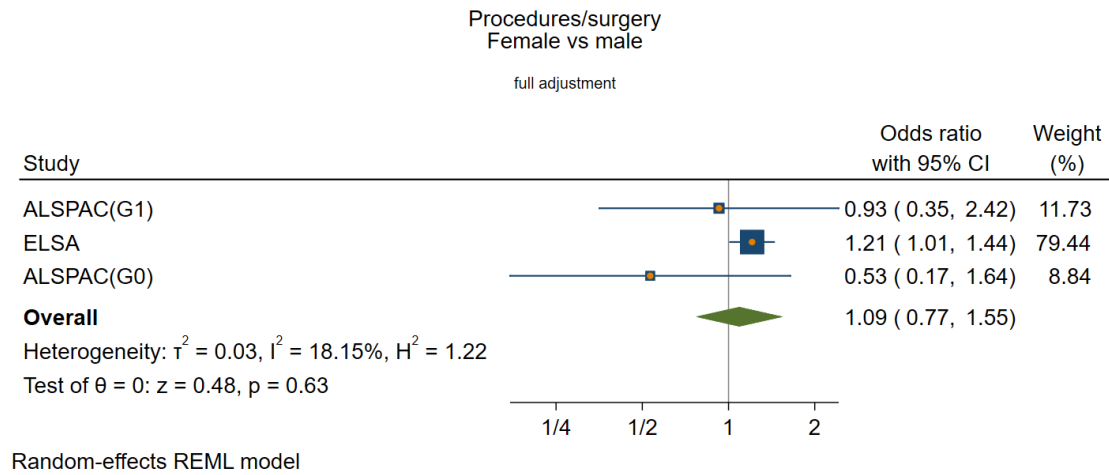


## Procedures/surgery

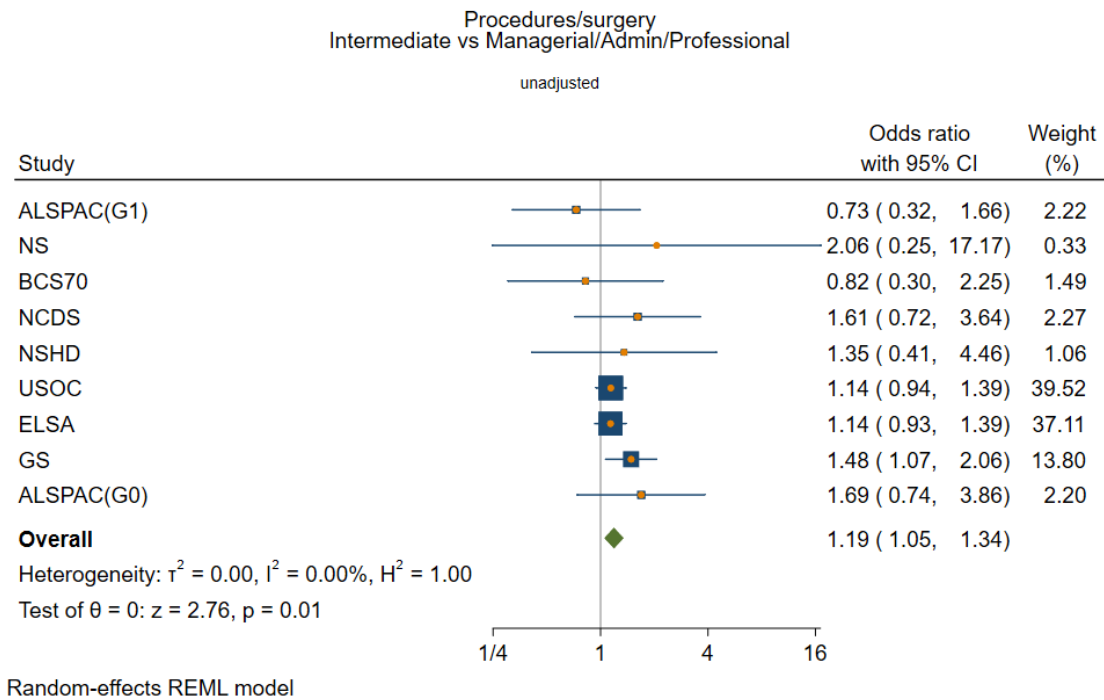
Sex  
Unadjusted

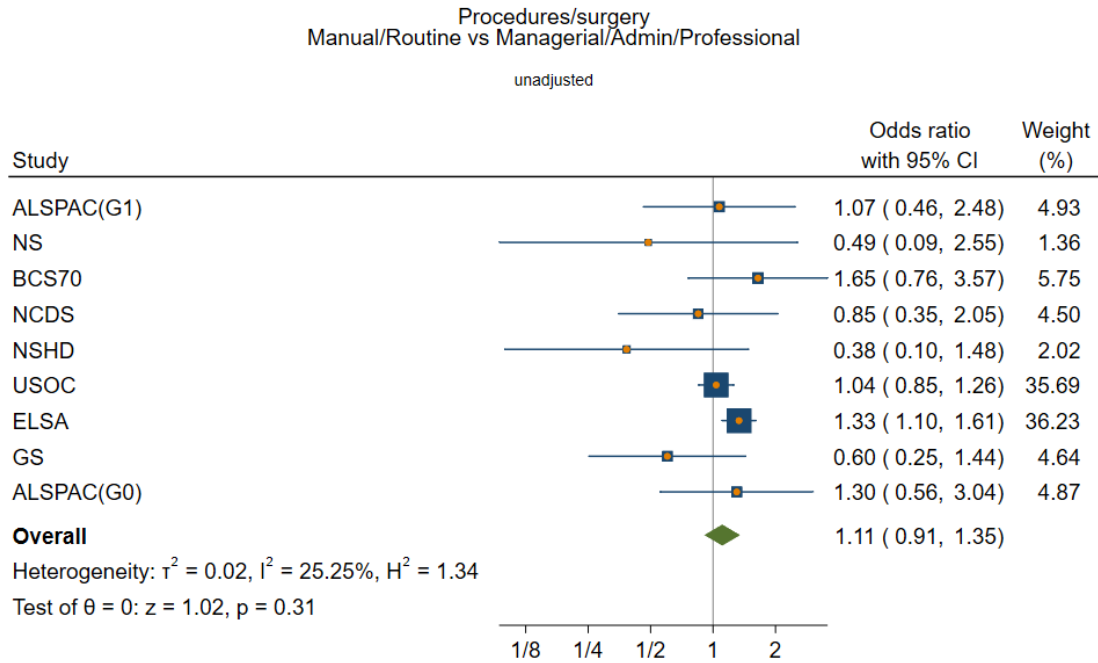


Basic adjustment

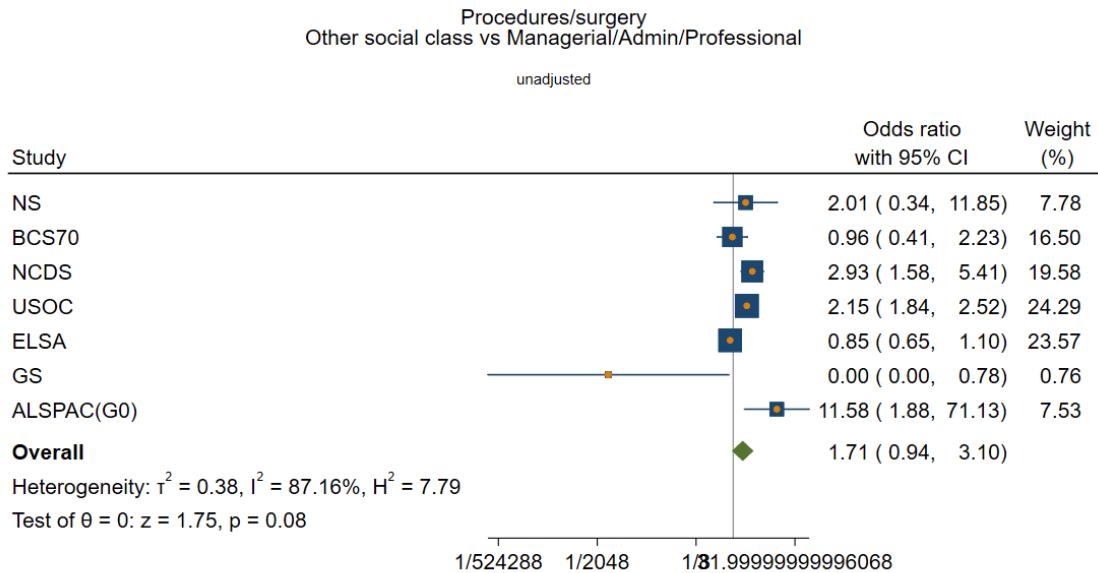
Full adjustment

*Occupational class*  
Unadjusted

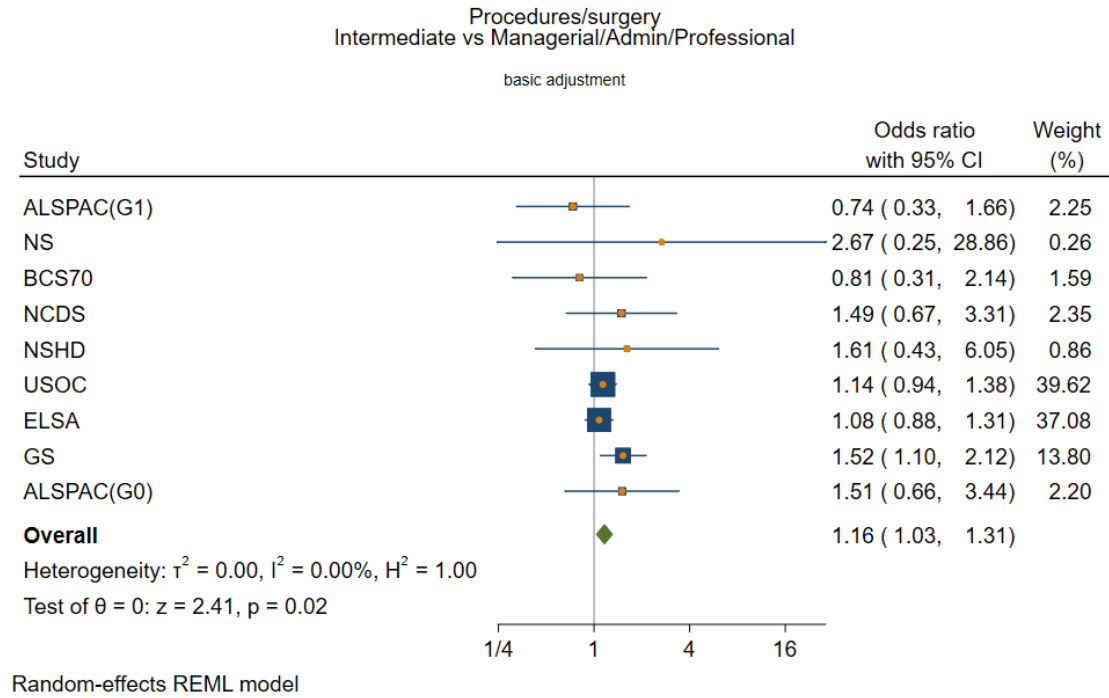


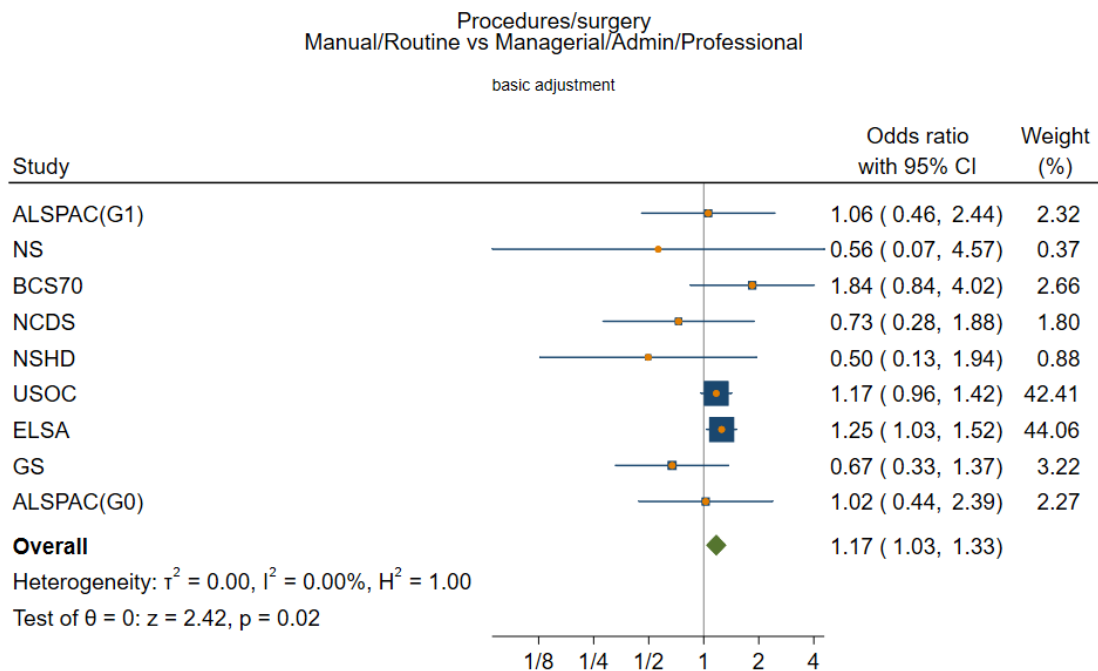


Random-effects REML model

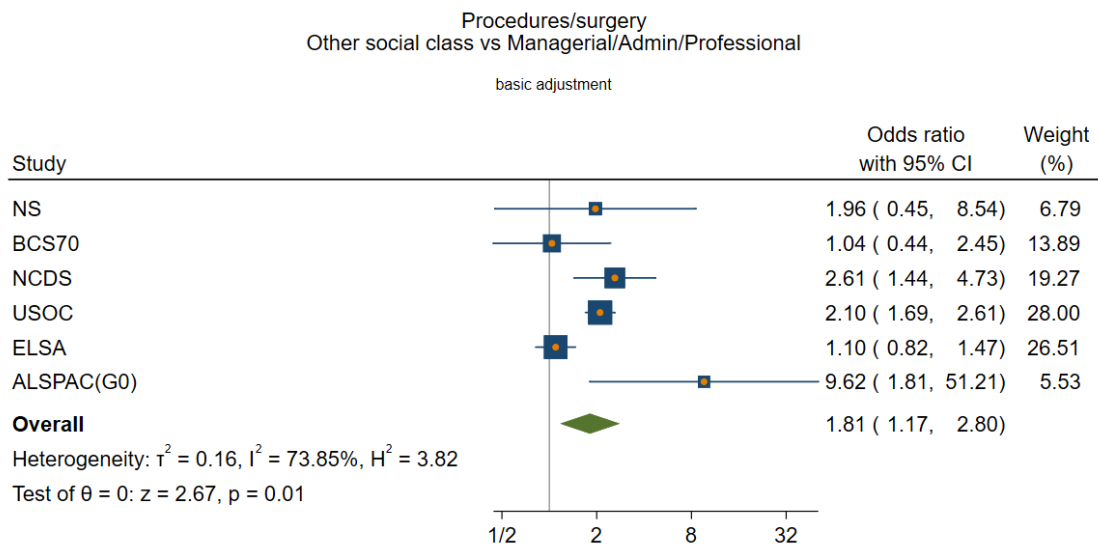


Random-effects REML model

Basic adjustment

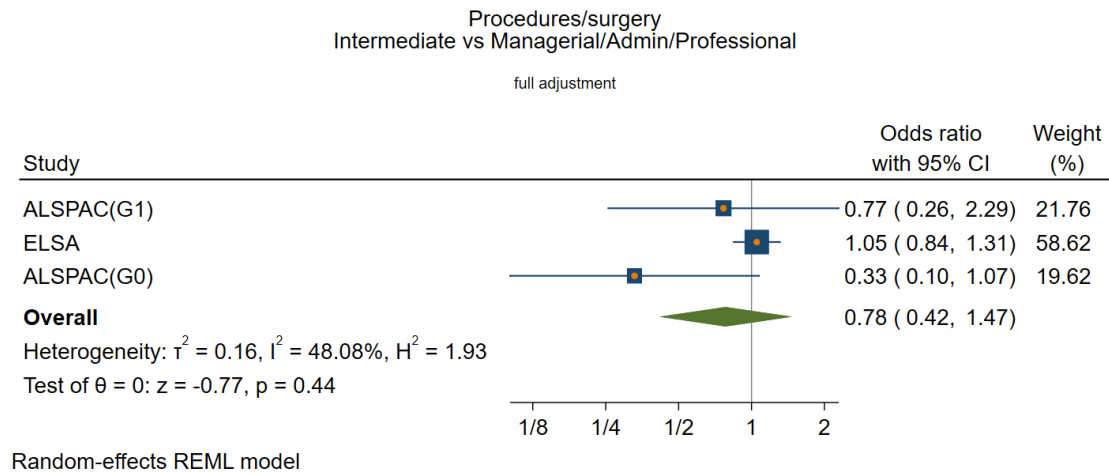


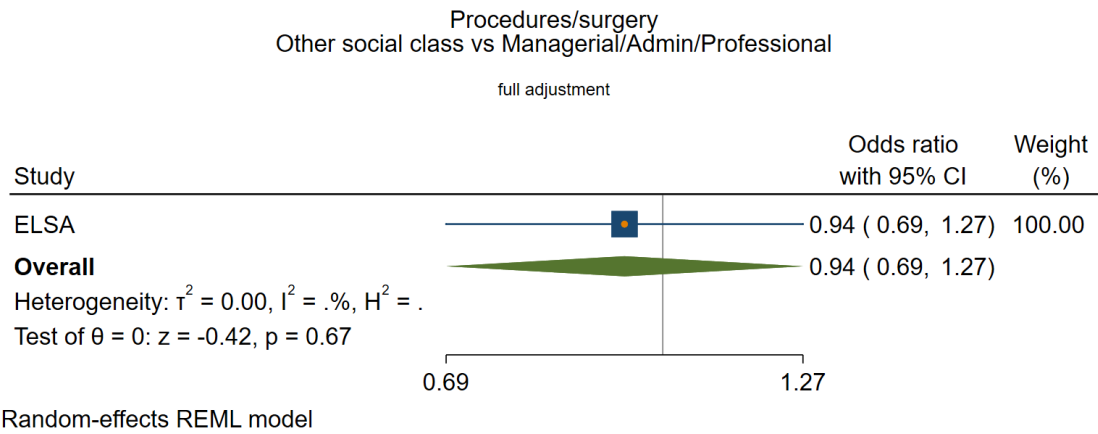
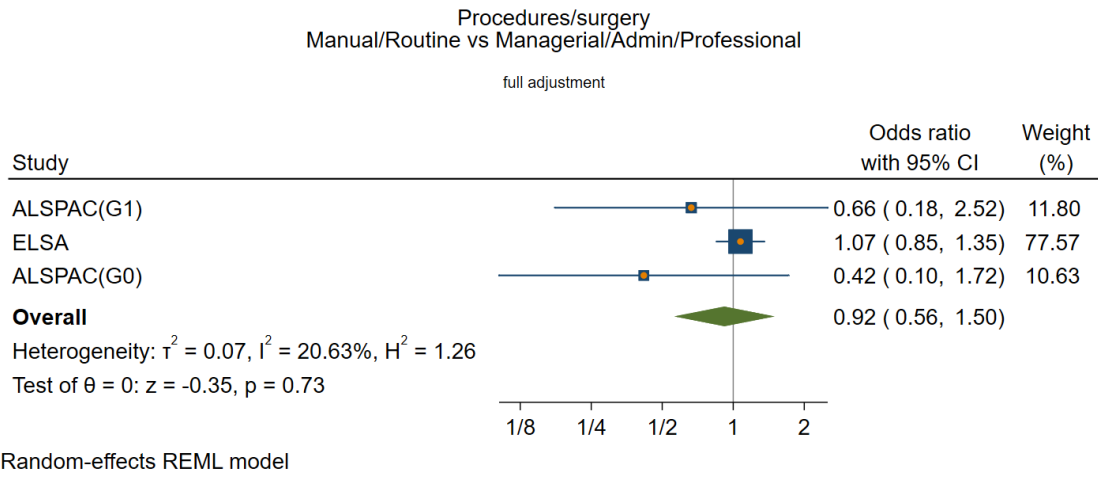
Random-effects REML model



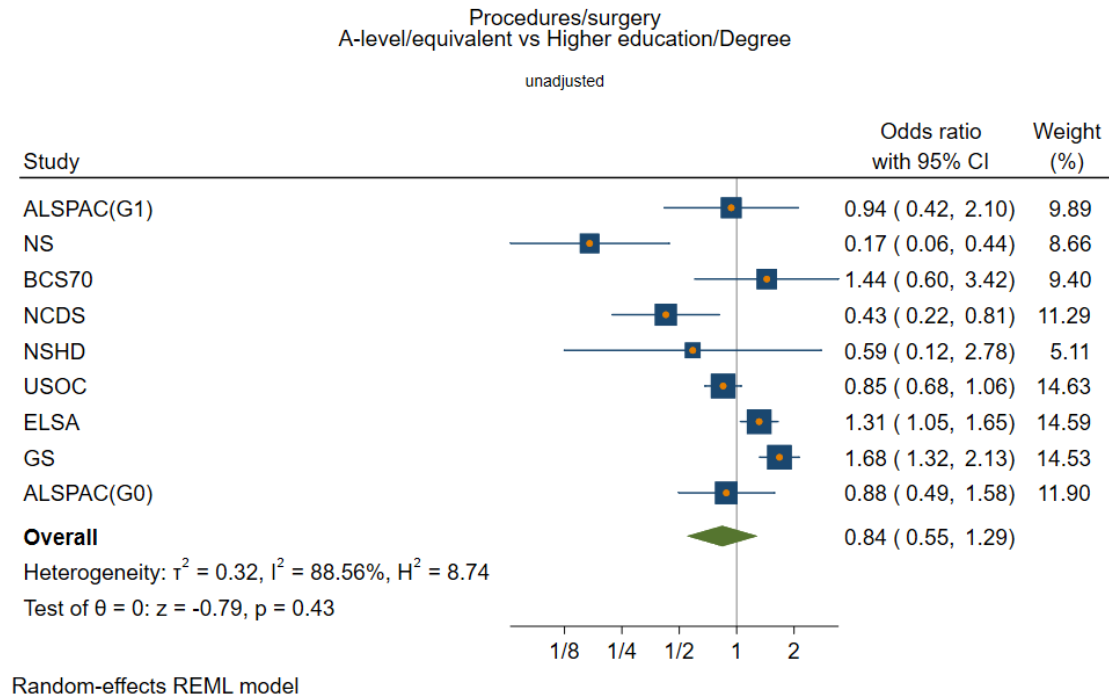
Random-effects REML model

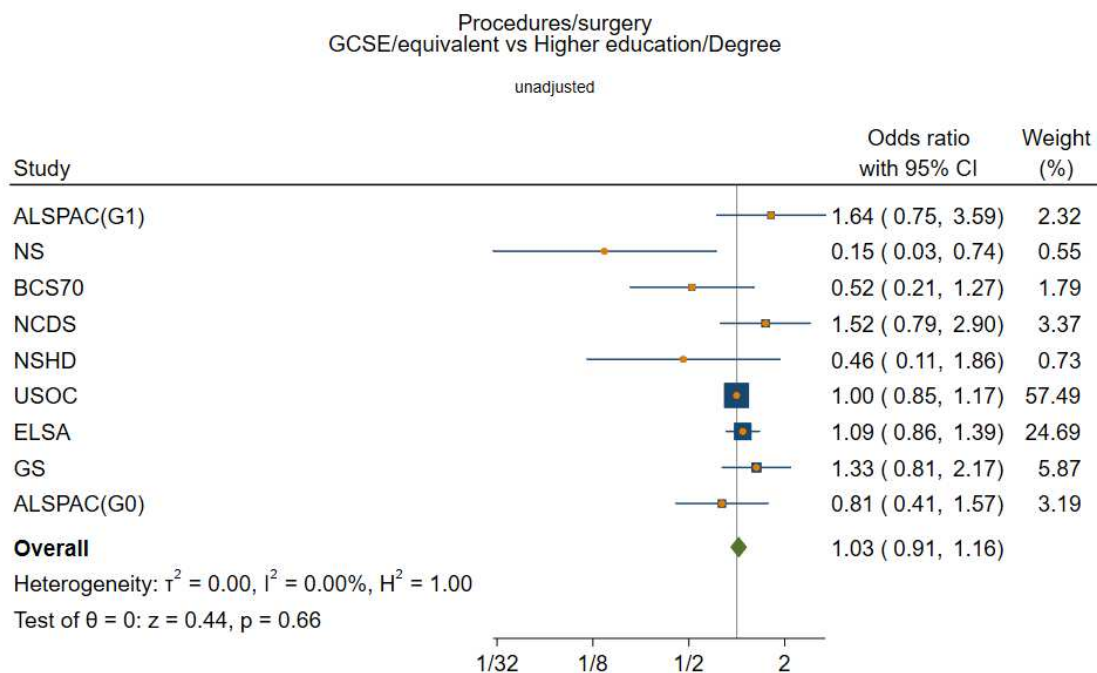


Full adjustment

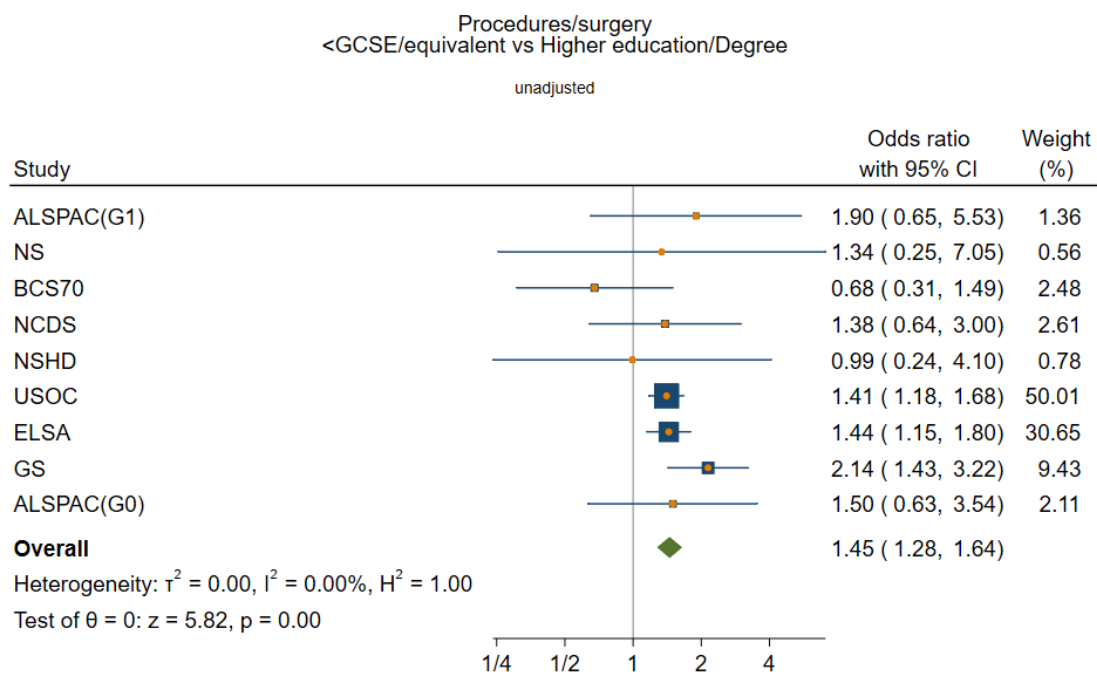


*Education*  
unadjusted

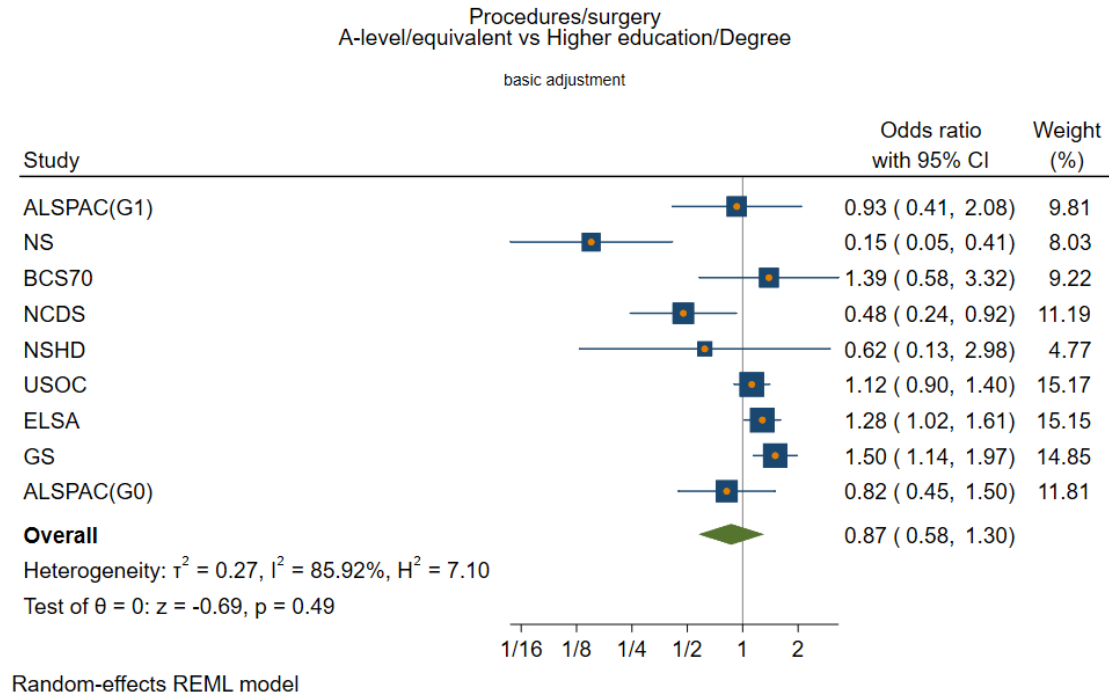


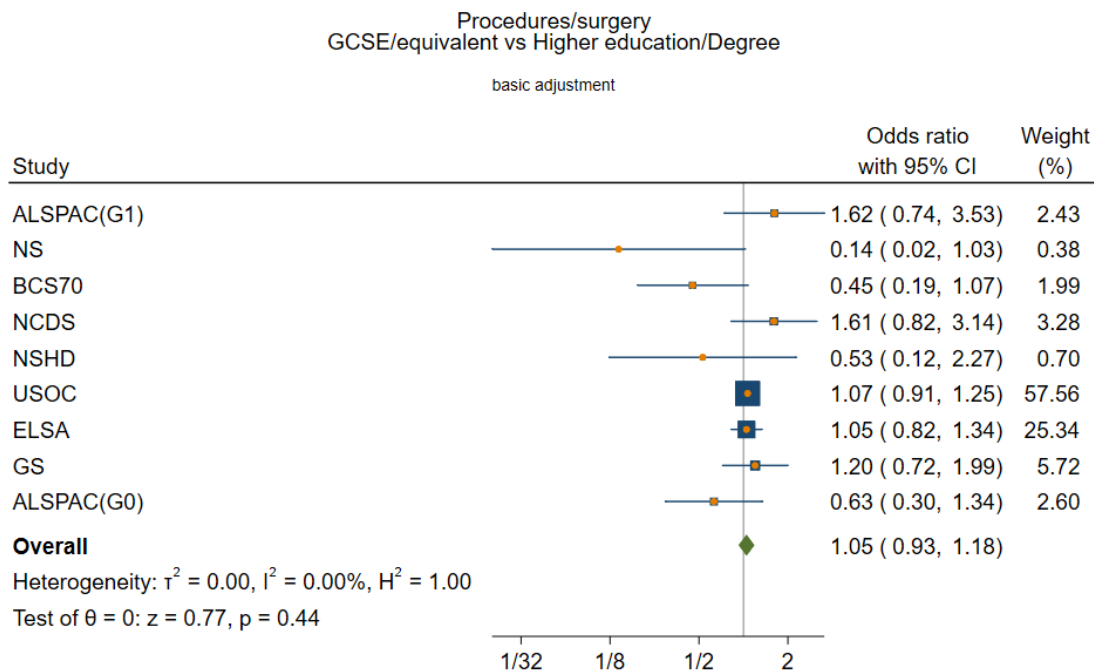


Random-effects REML model

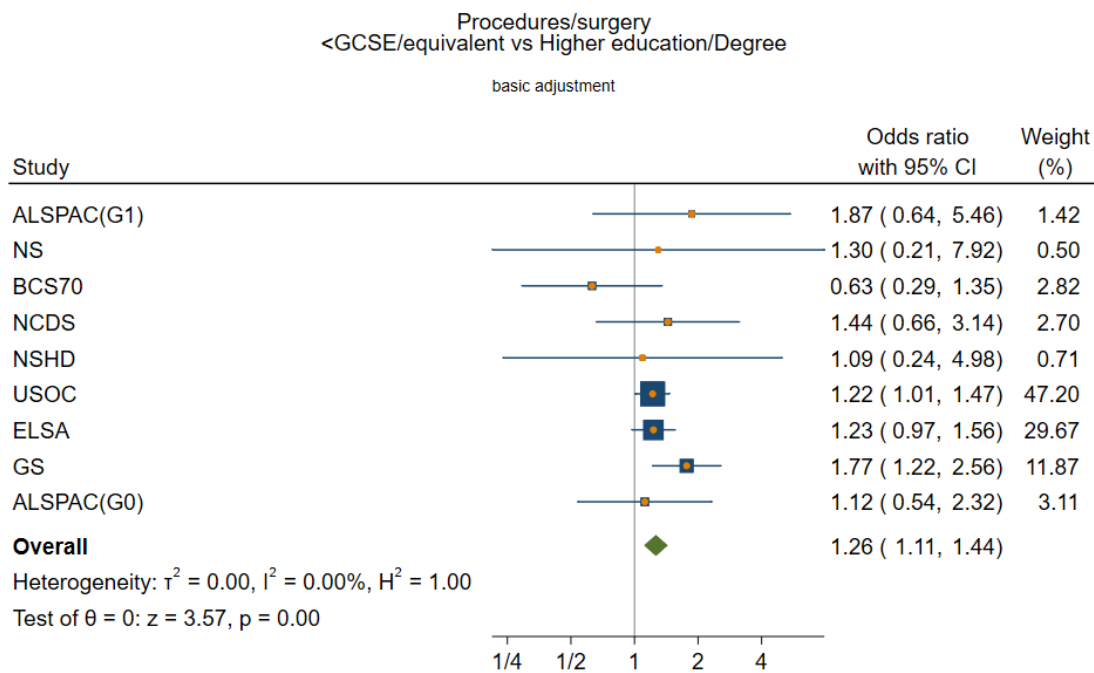


Random-effects REML model

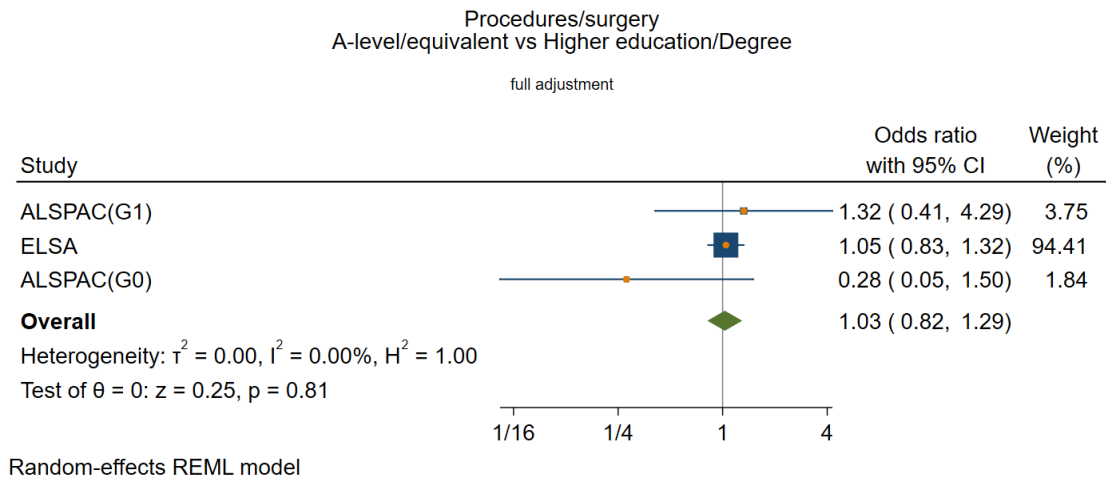
Basic adjustment



Random-effects REML model

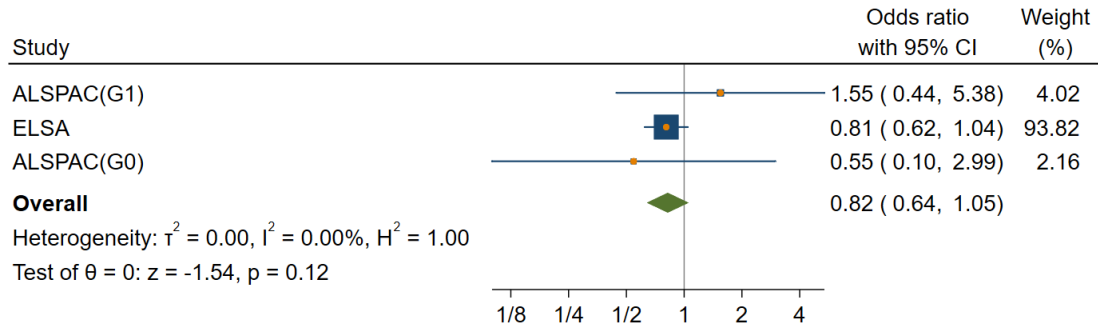


Random-effects REML model

Full adjustment

Procedures/surgery  
GCSE/equivalent vs Higher education/Degree

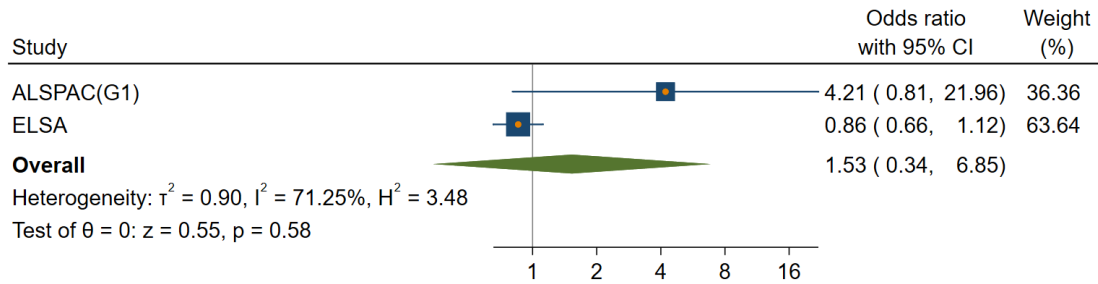
full adjustment



Random-effects REML model

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

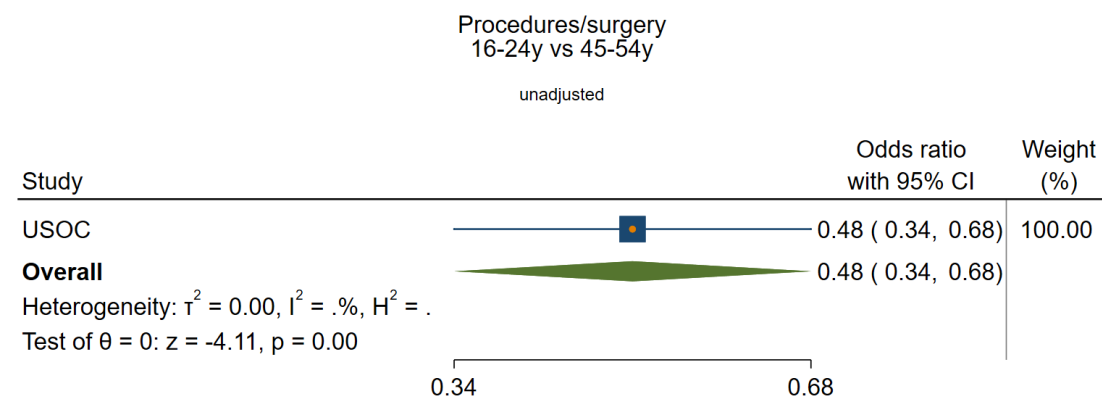
full adjustment



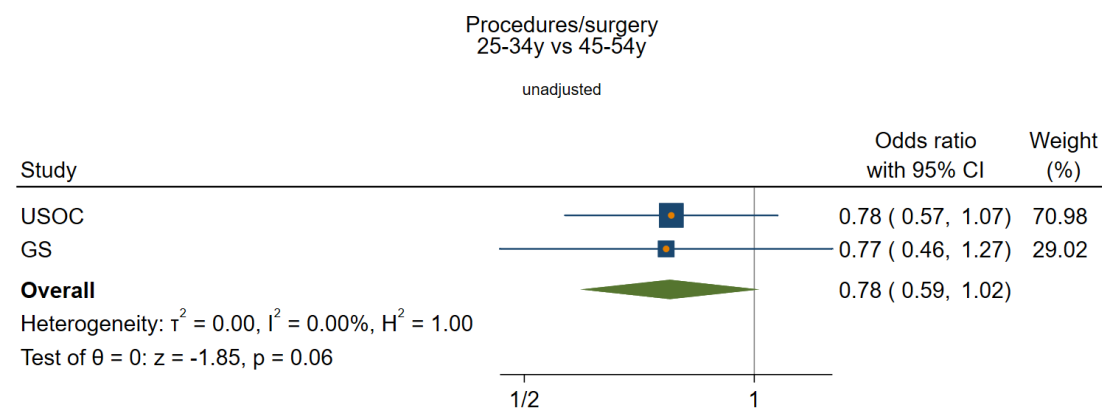
Random-effects REML model



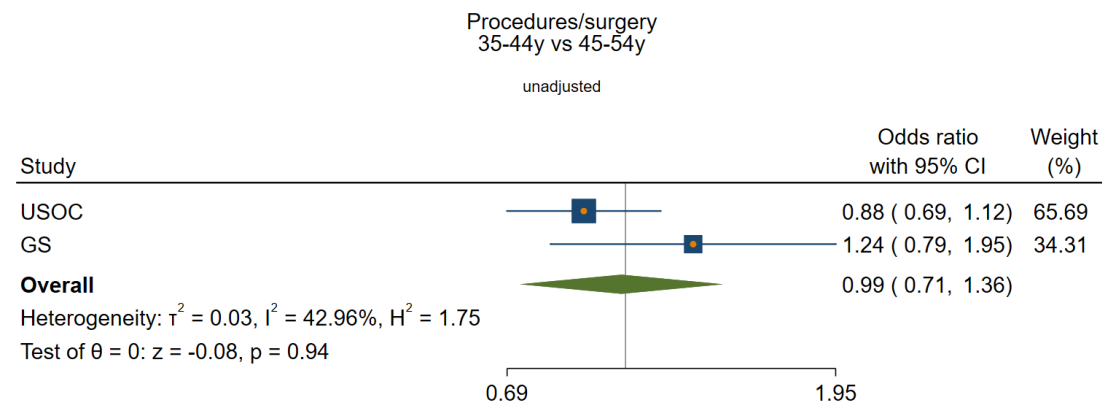
Age  
Unadjusted



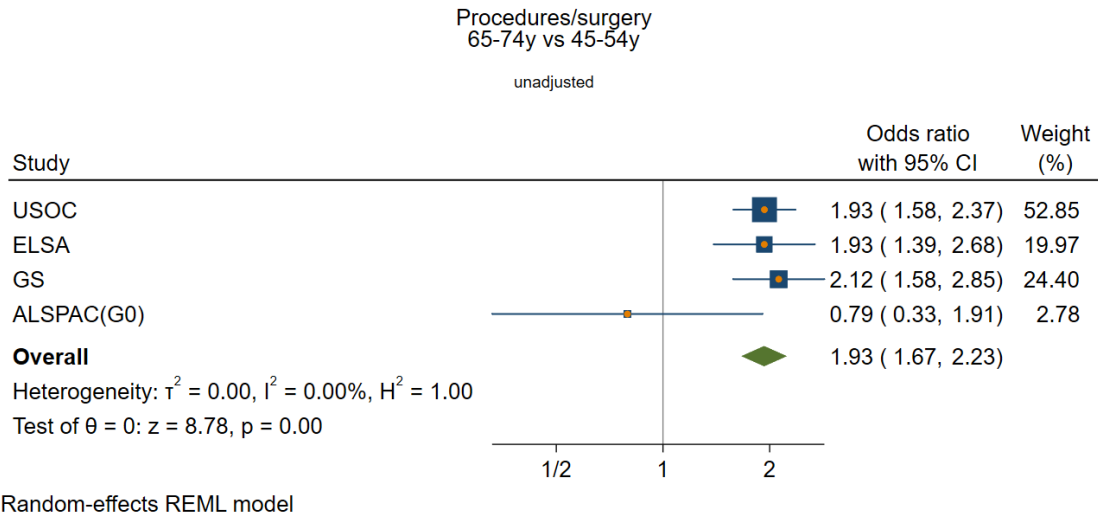
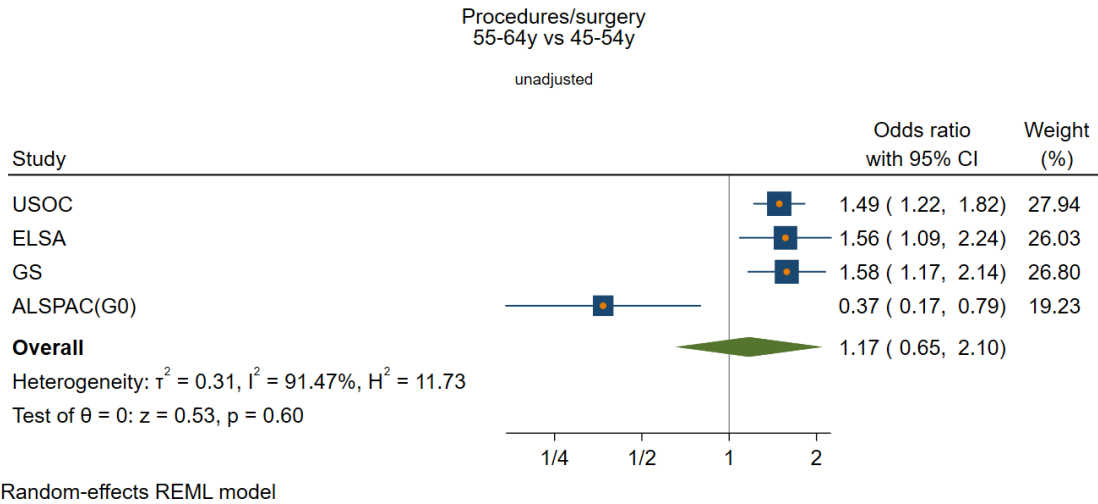
Random-effects REML model

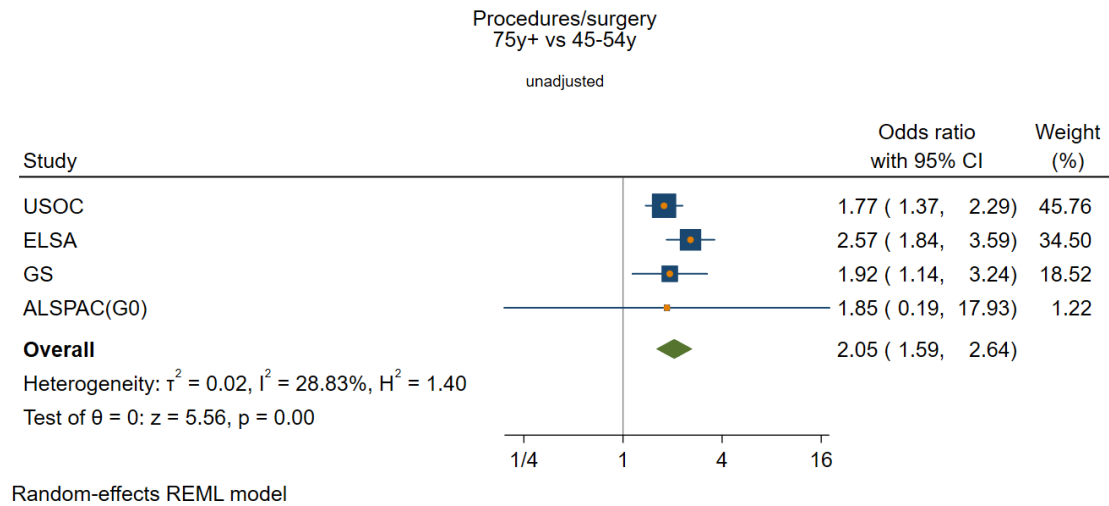


Random-effects REML model

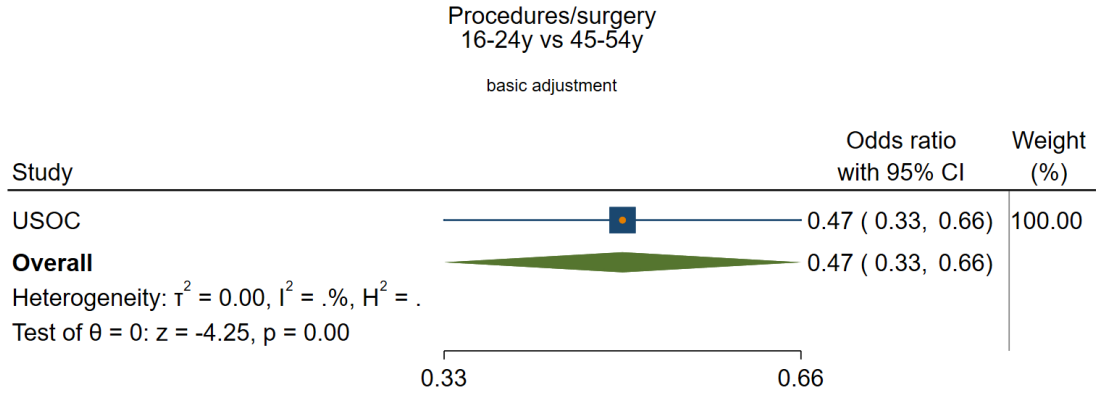


Random-effects REML model

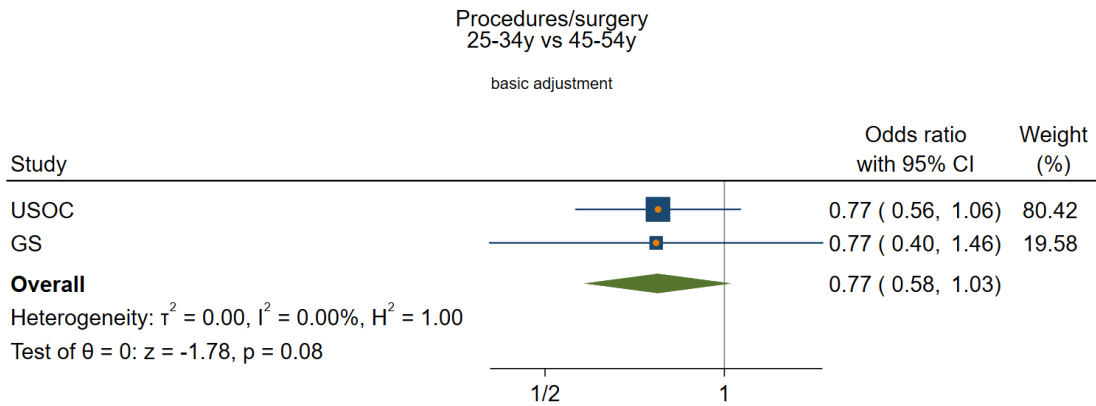




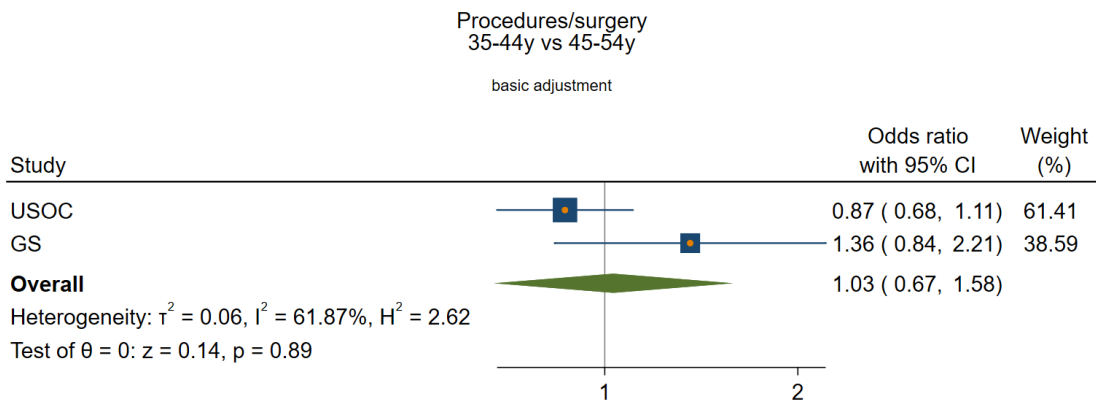
Basic adjustment



Random-effects REML model



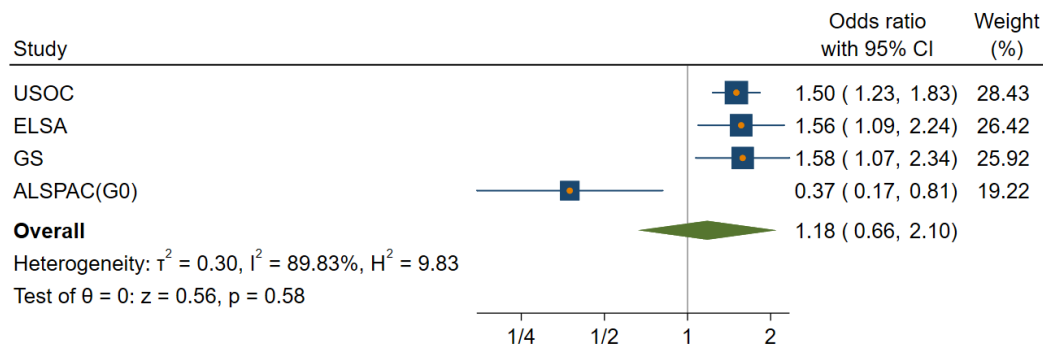
Random-effects REML model



Random-effects REML model

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

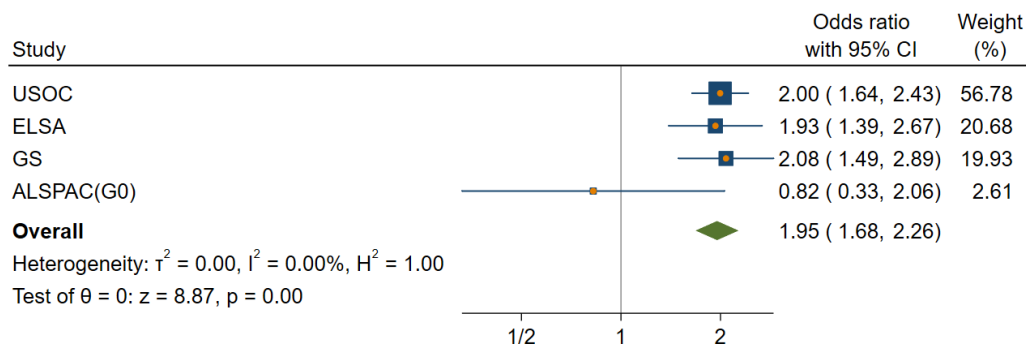
basic adjustment



Random-effects REML model

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

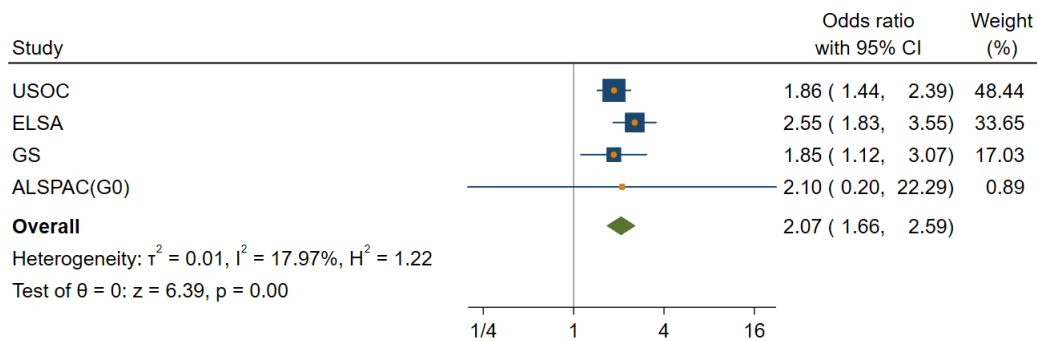
basic adjustment



Random-effects REML model

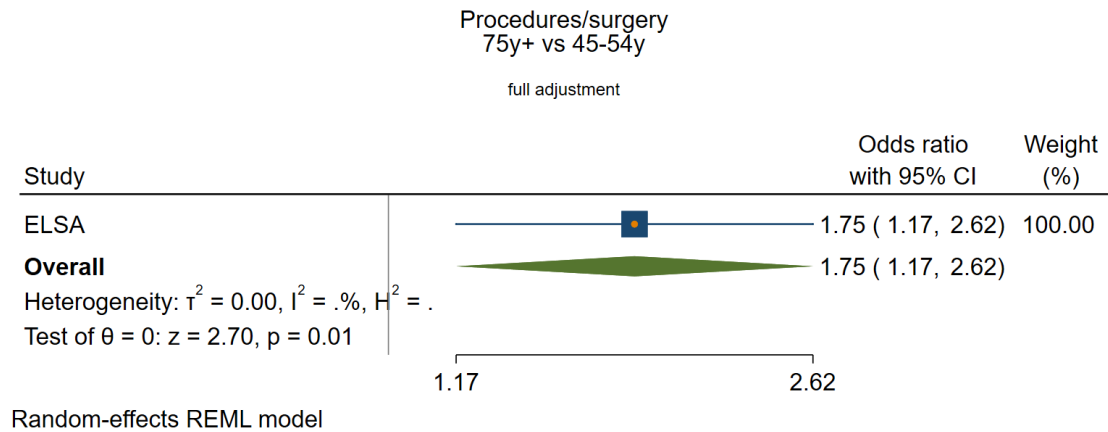
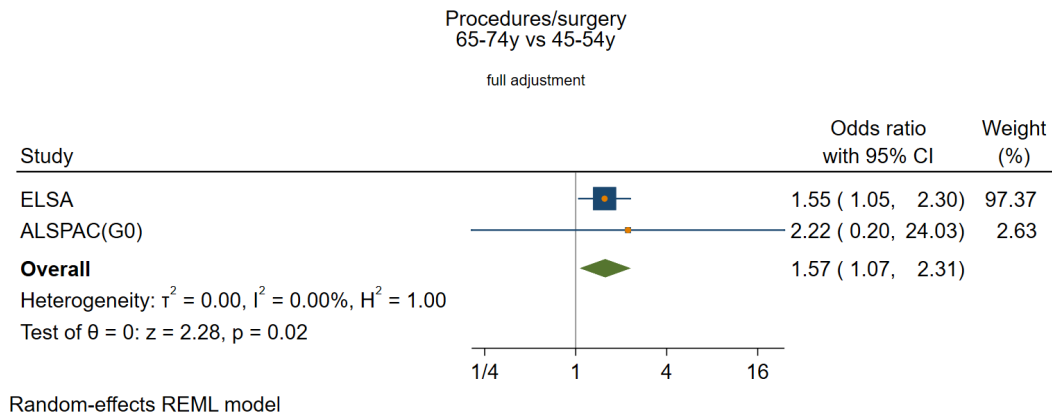
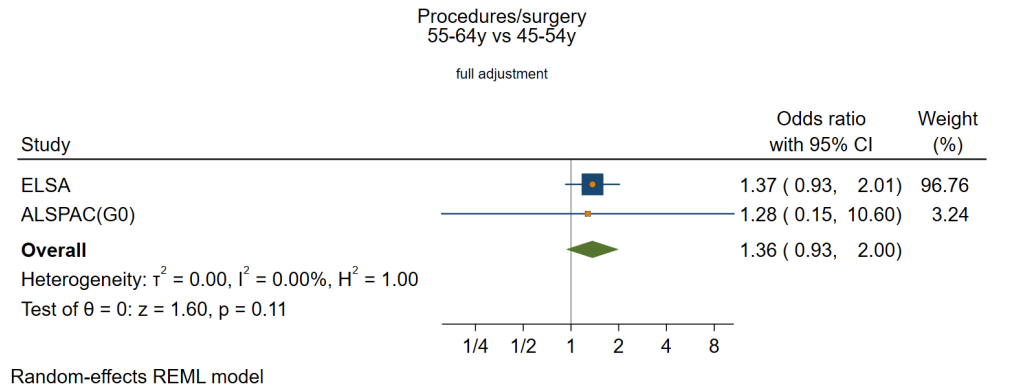
Procedures/surgery  
75y+ vs 45-54y

basic adjustment

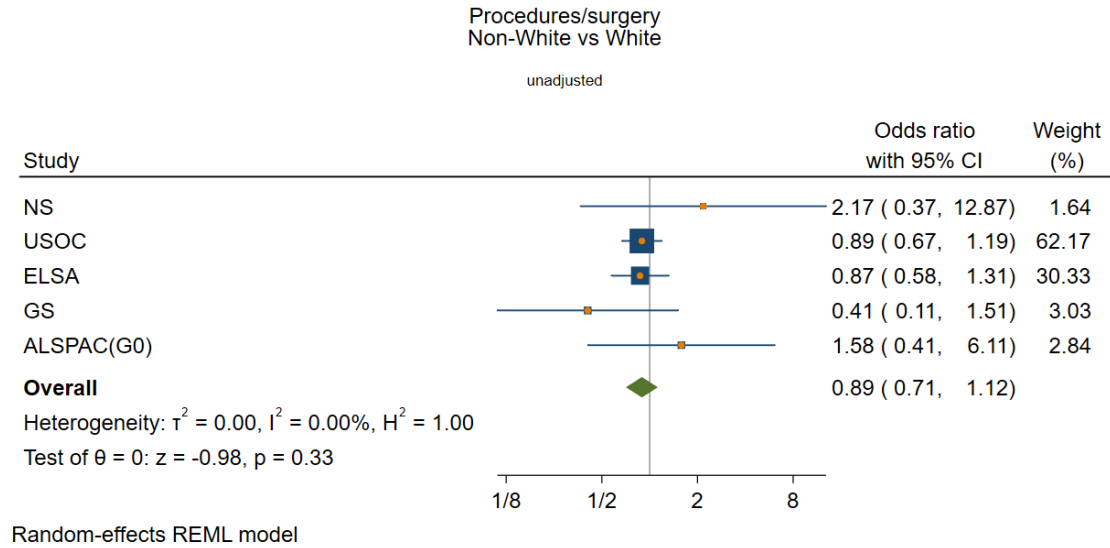


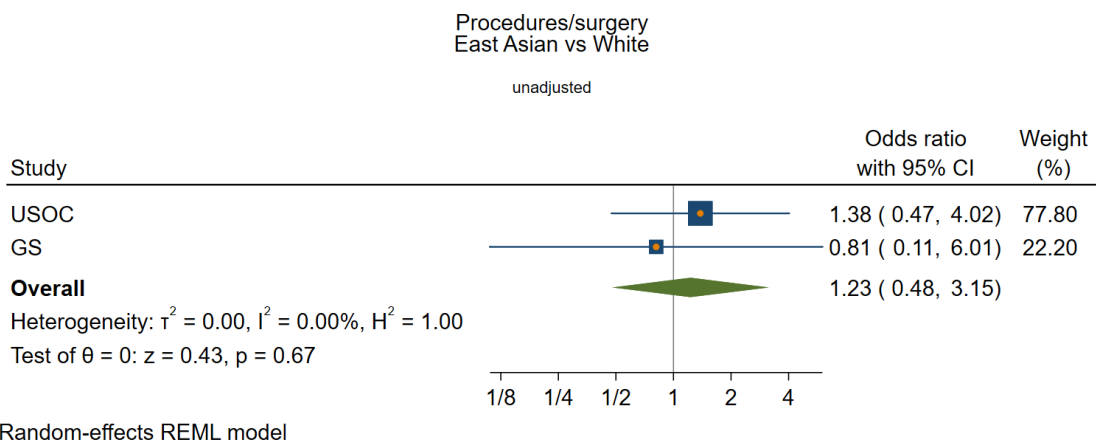
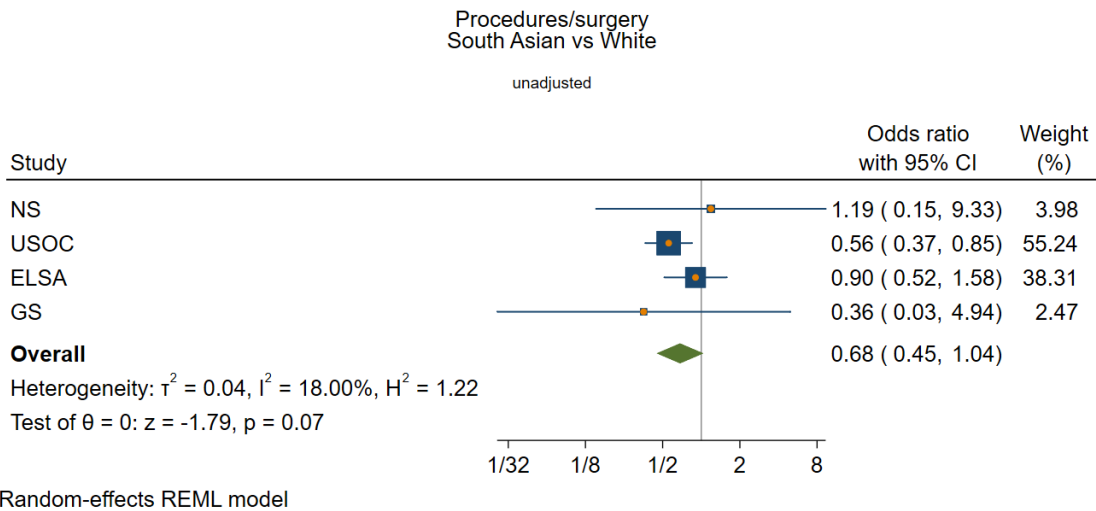
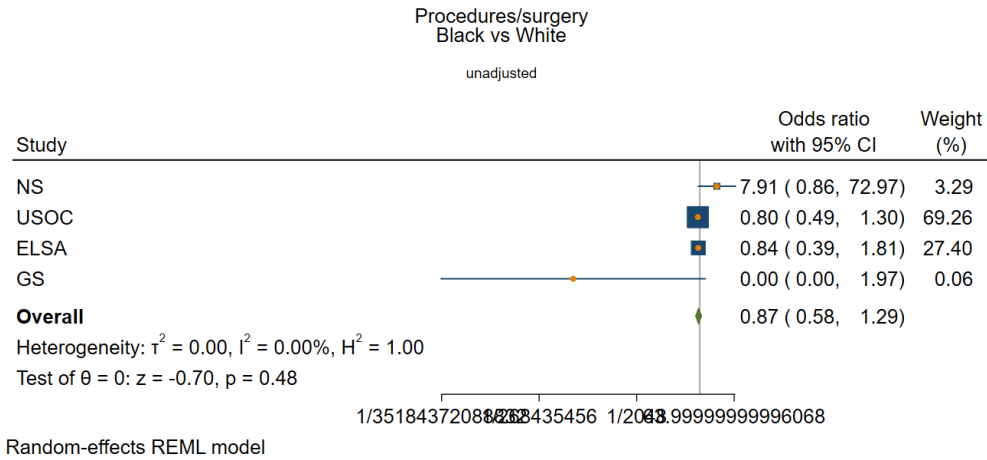
Random-effects REML model

Full adjustment

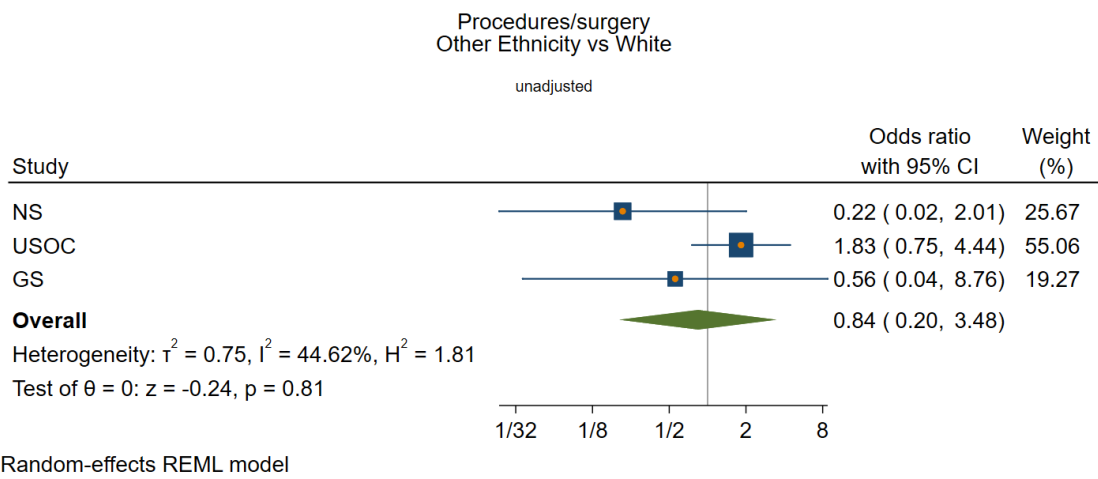
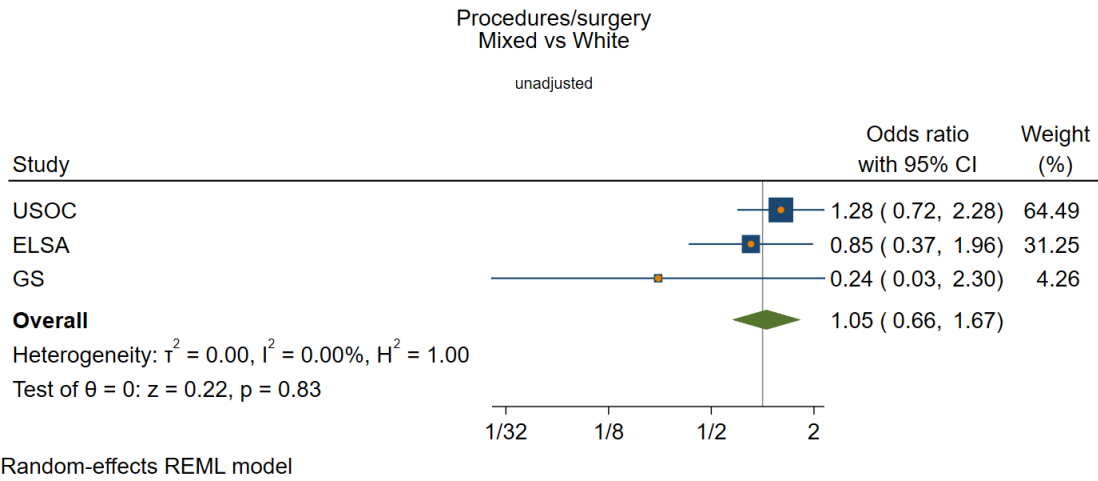


*Ethnicity*  
Unadjusted

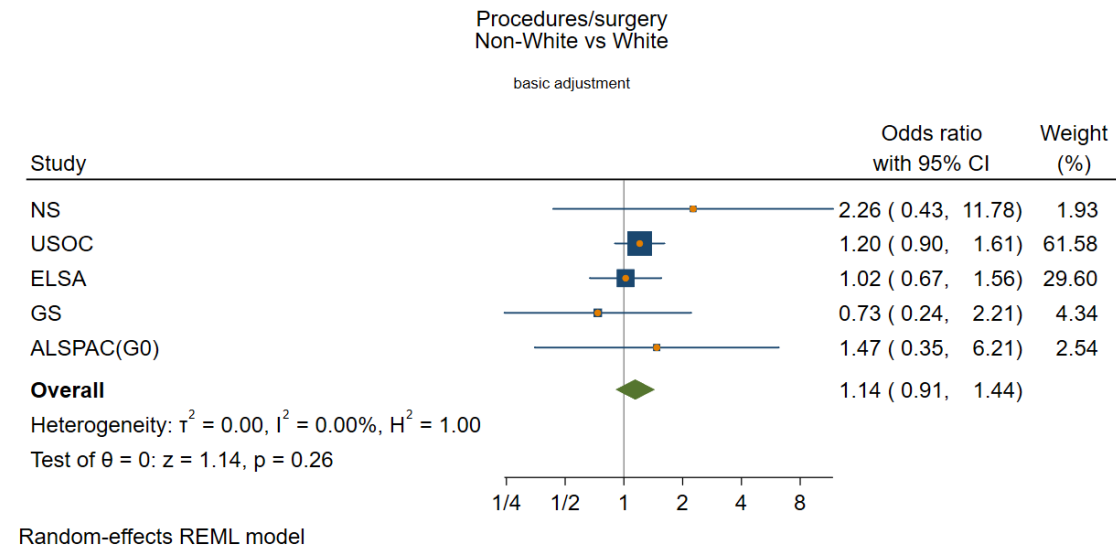






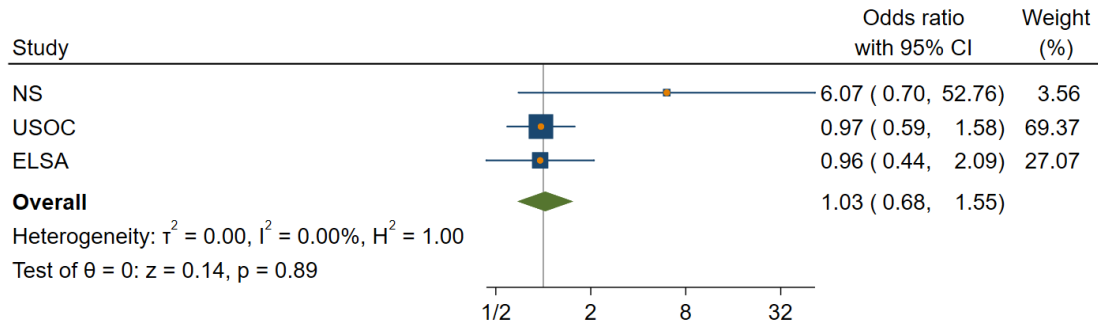


Basic adjustment



Procedures/surgery  
Black vs White

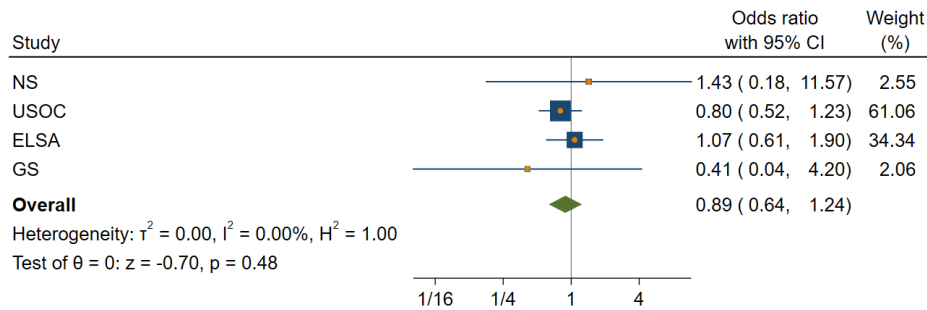
basic adjustment



Random-effects REML model

Procedures/surgery  
South Asian vs White

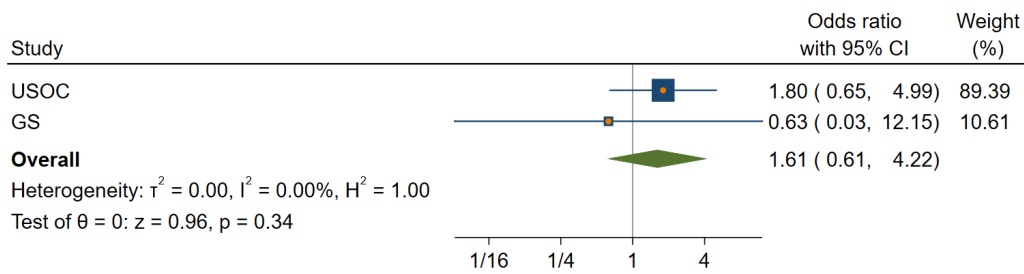
basic adjustment



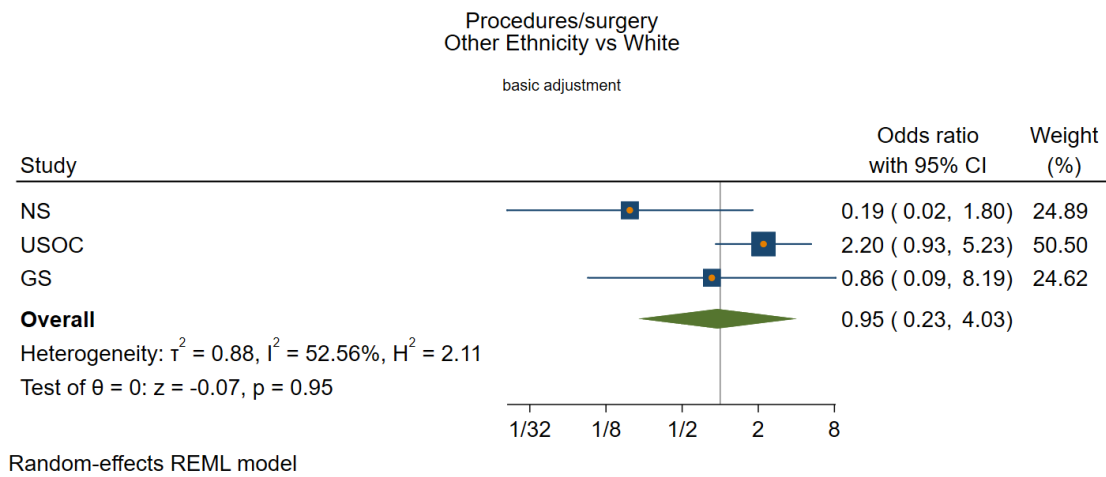
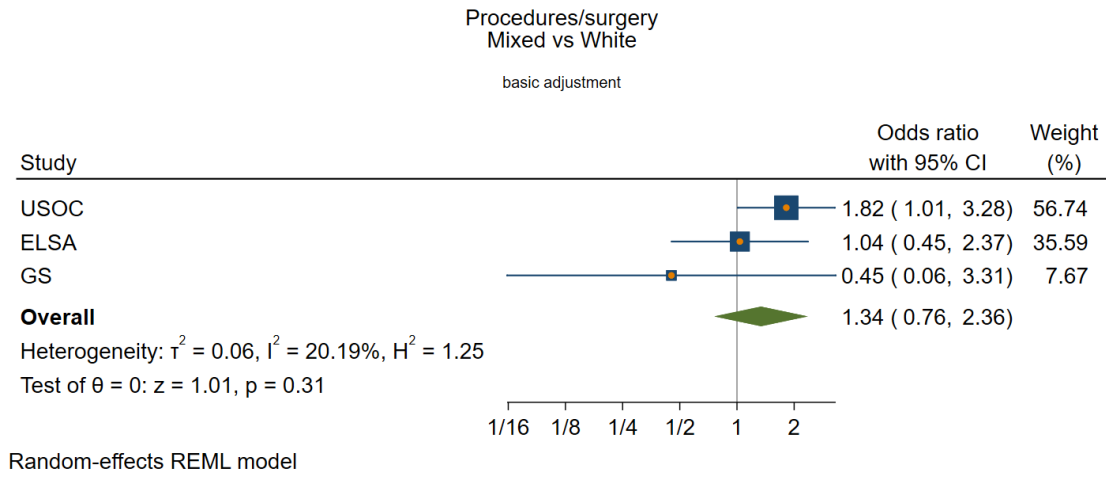
Random-effects REML model

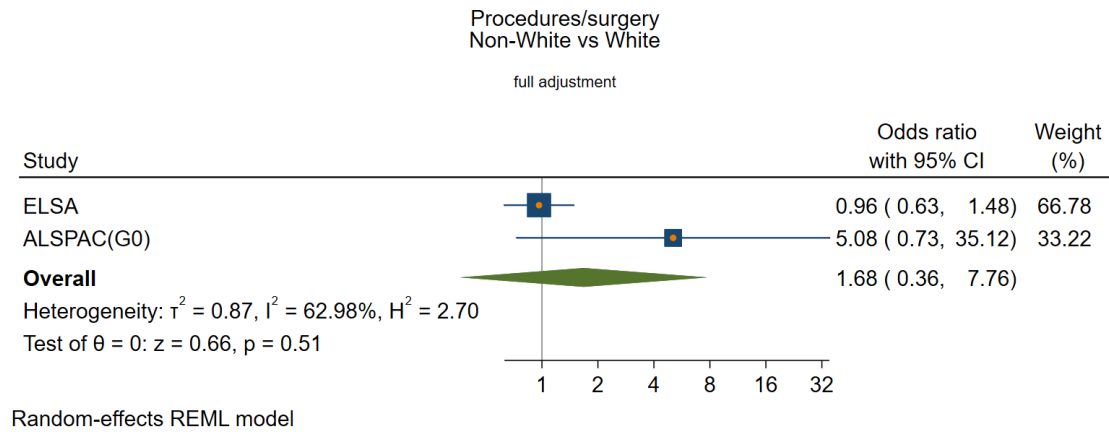
Procedures/surgery  
East Asian vs White

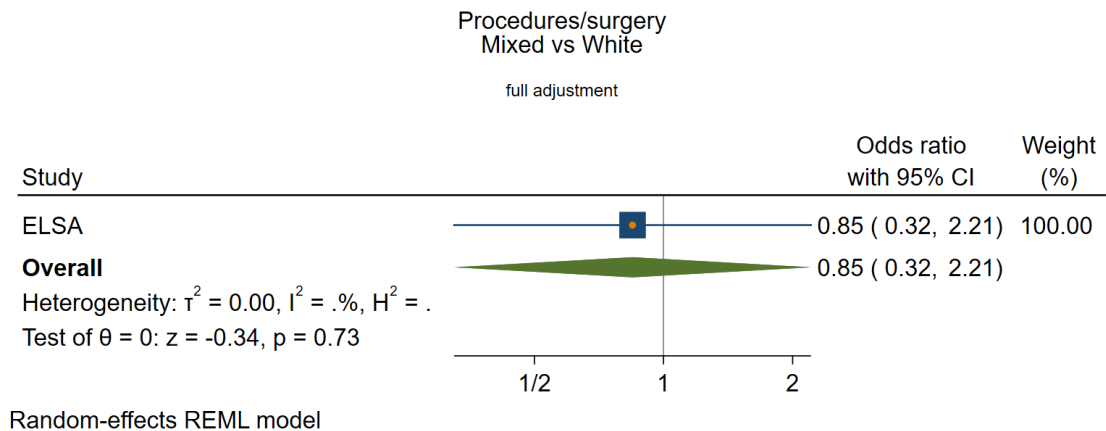
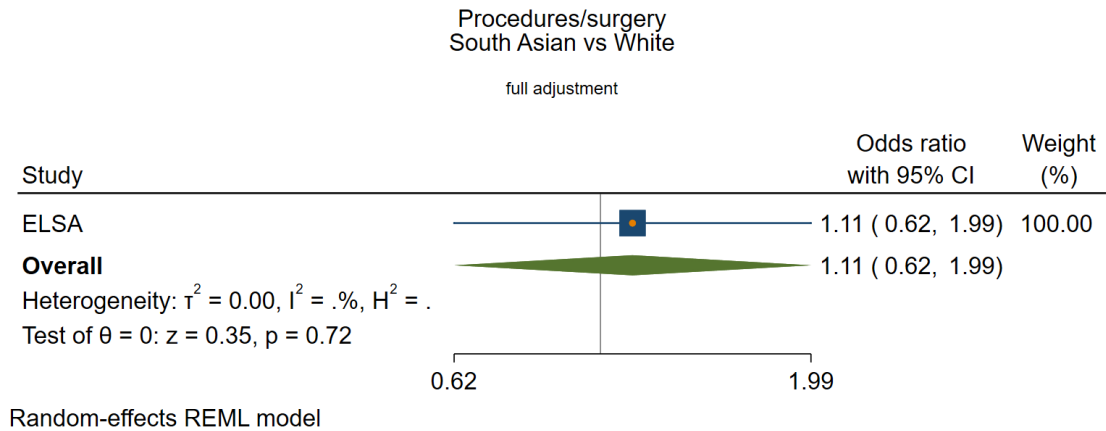
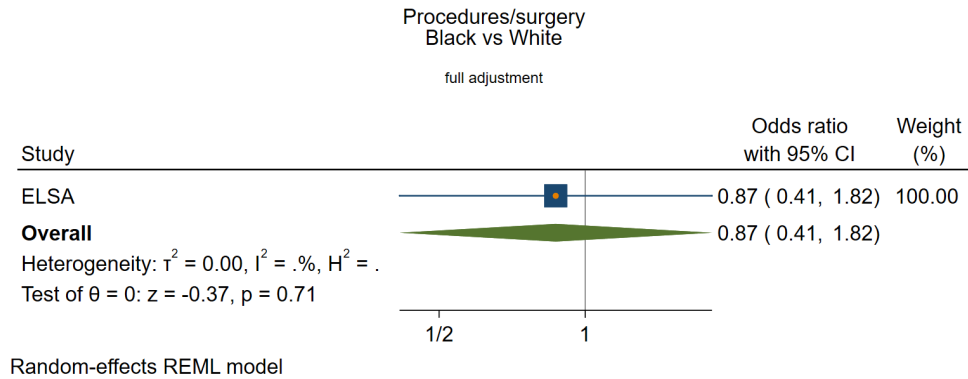
basic adjustment



Random-effects REML model

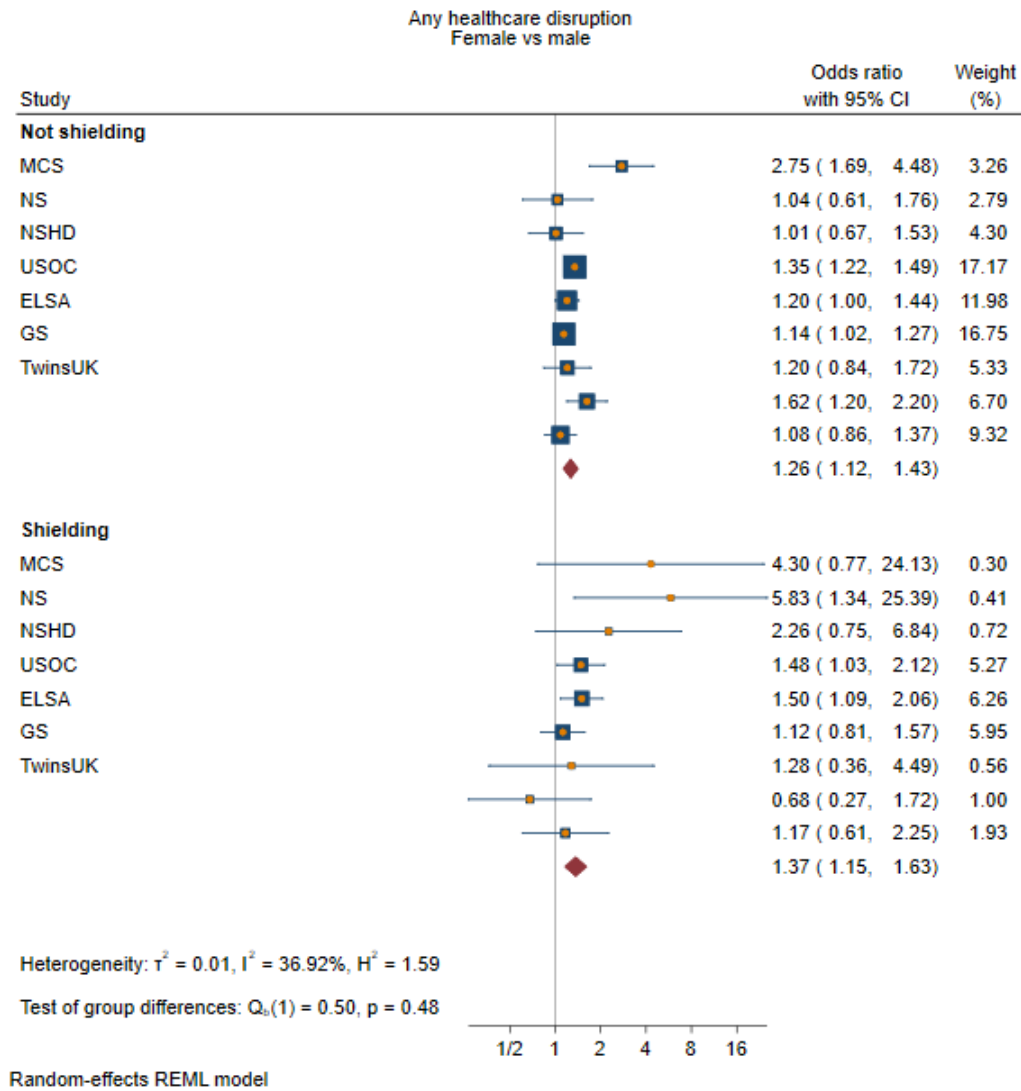


Full adjustment



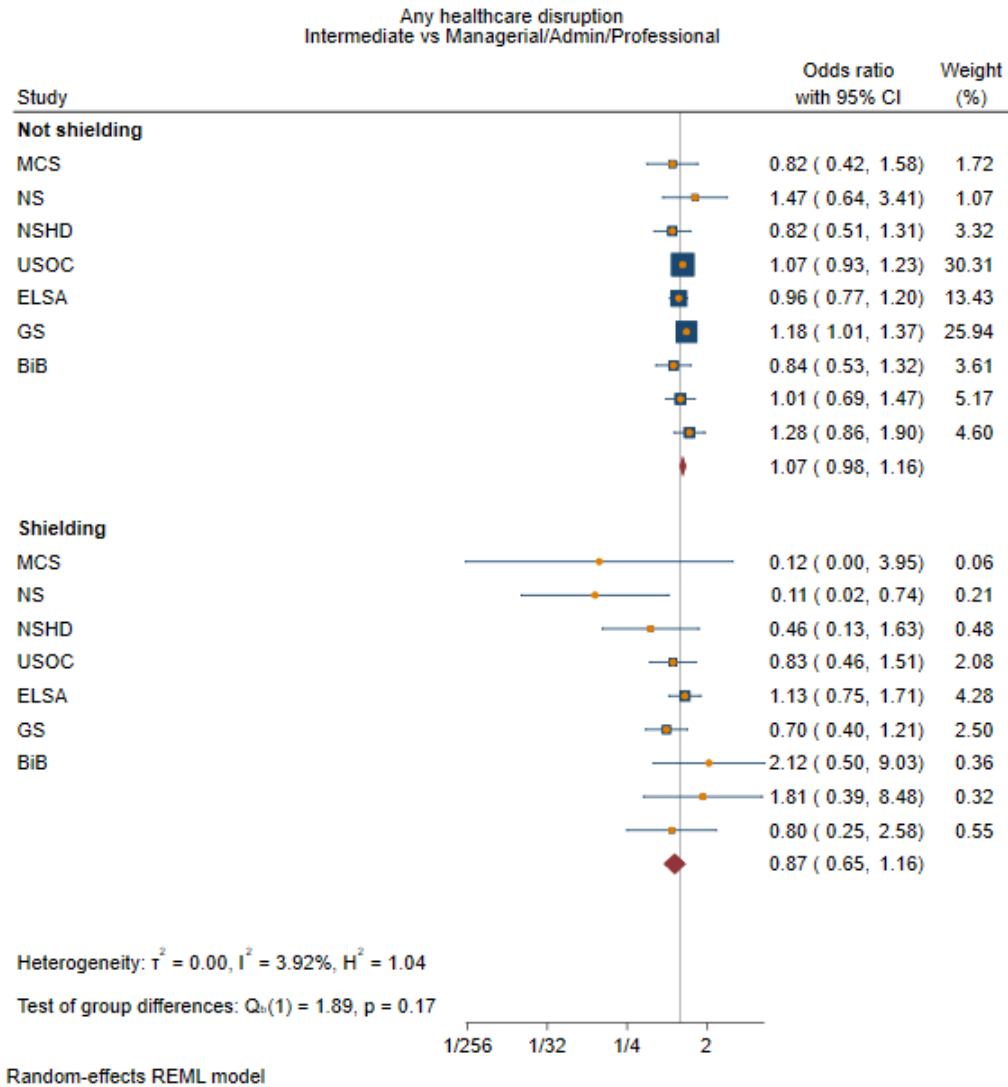
### Any healthcare disruption stratified by shielding status

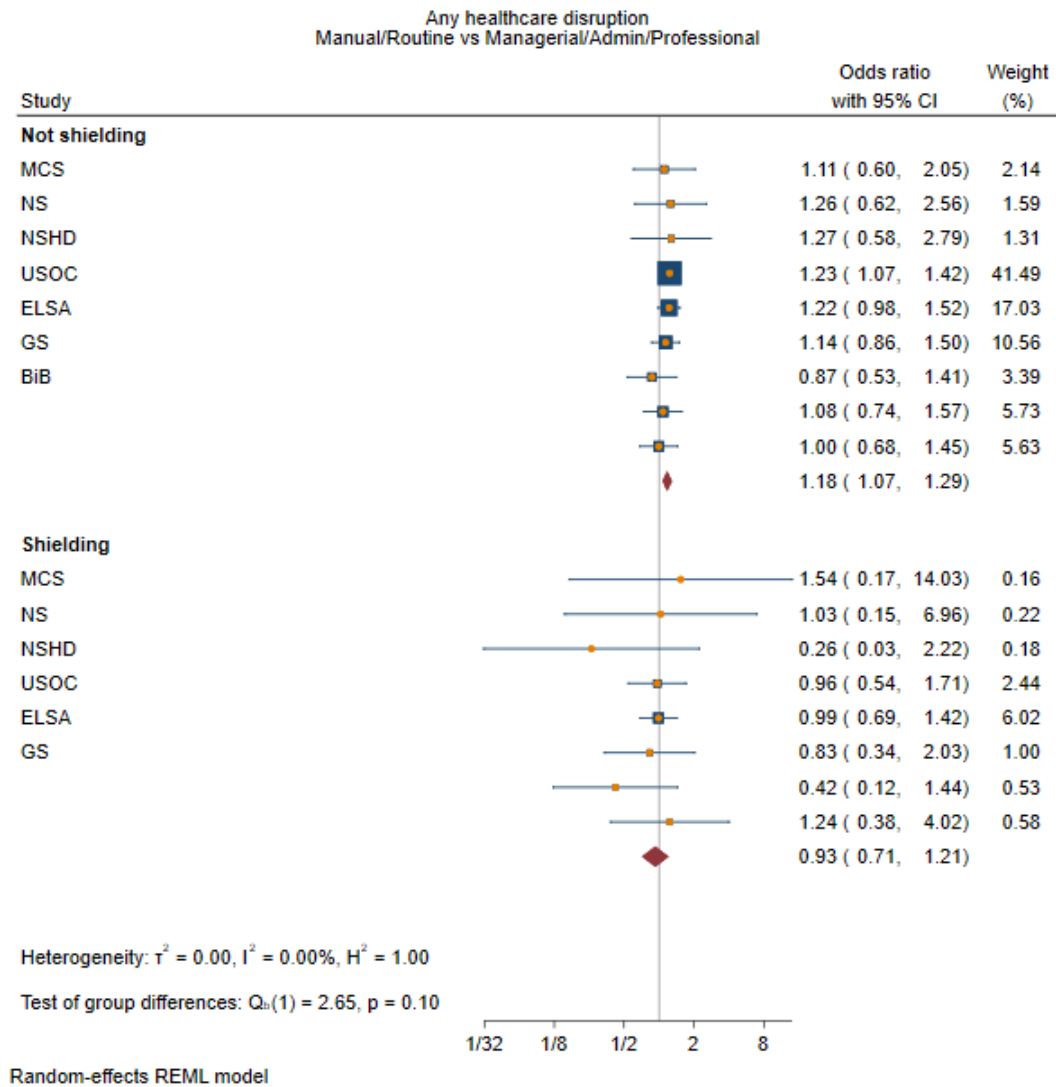
Sex

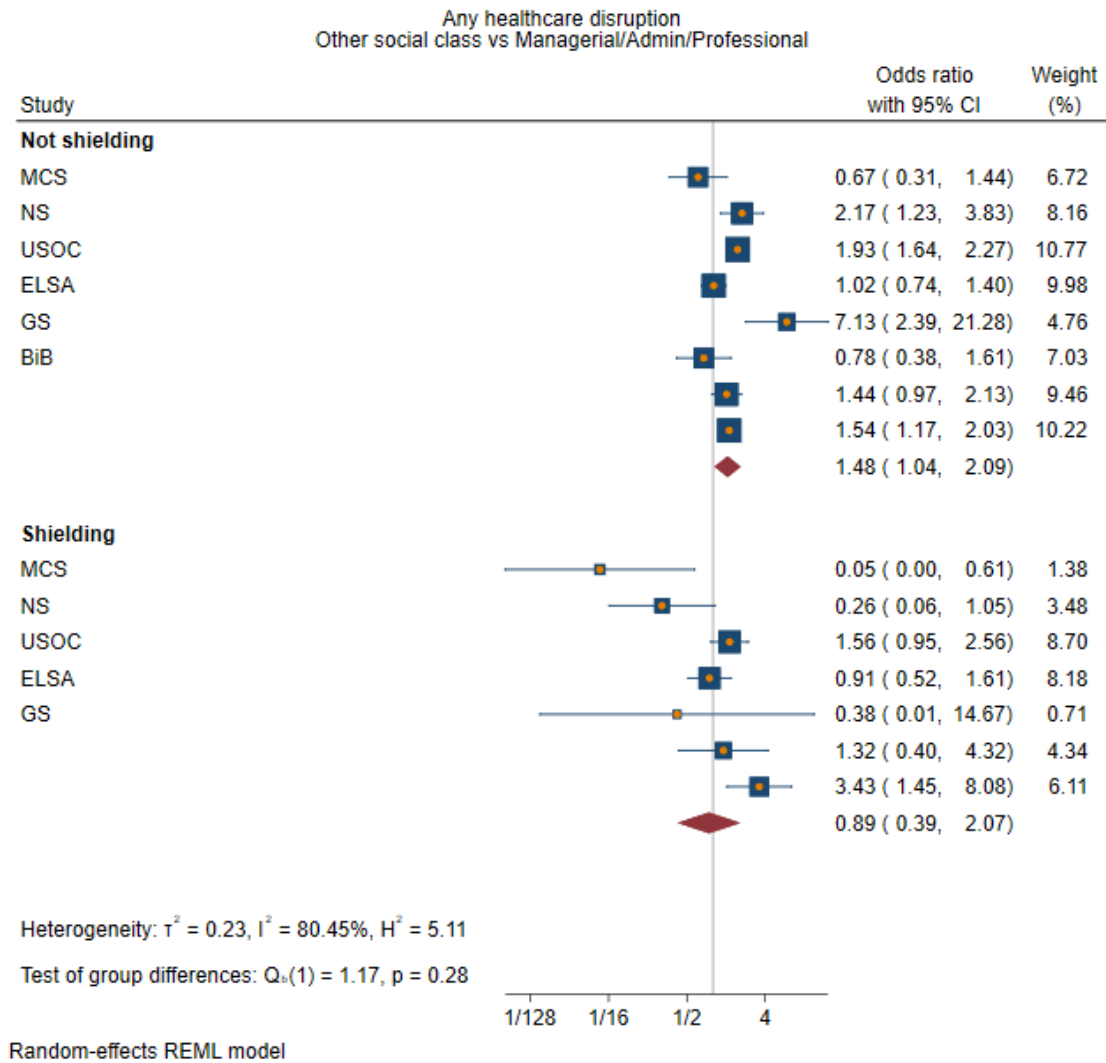


*Occupational class*

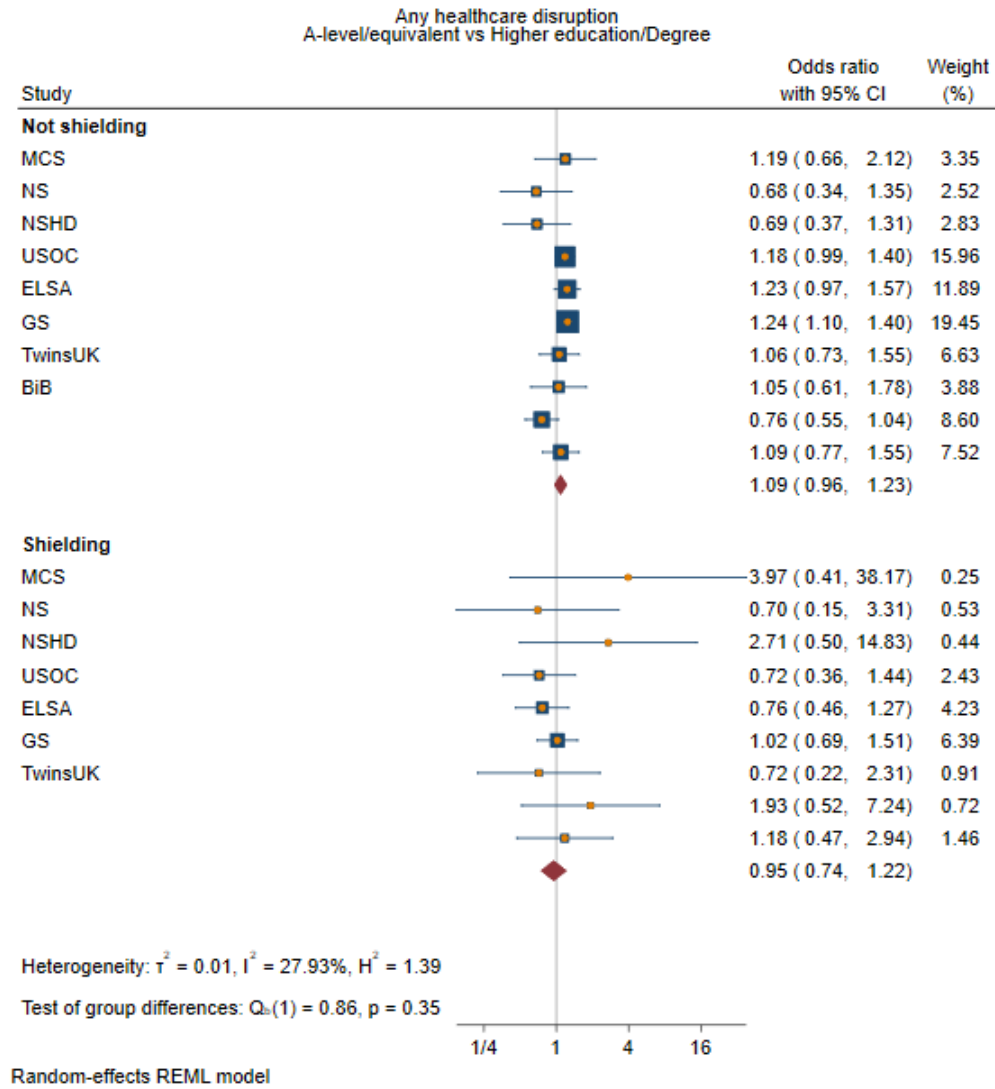


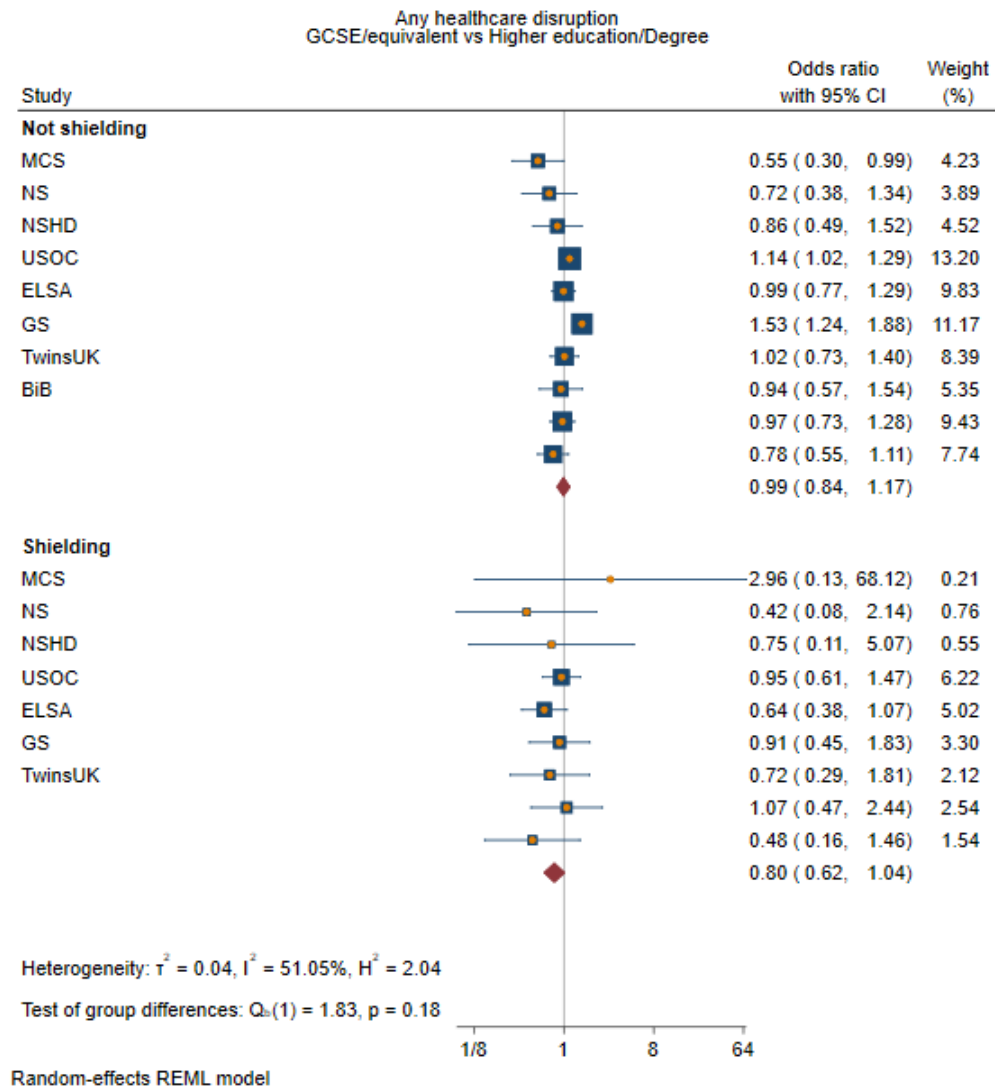


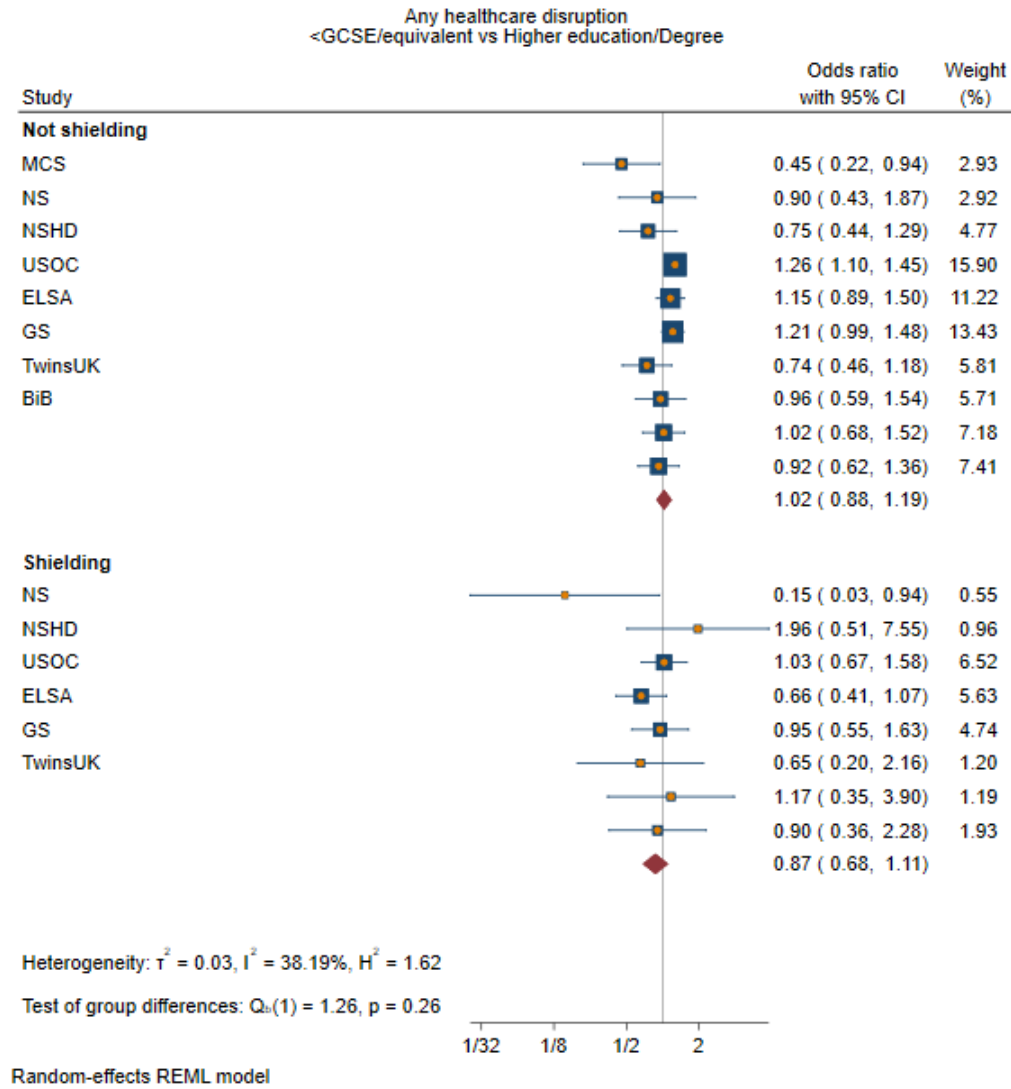




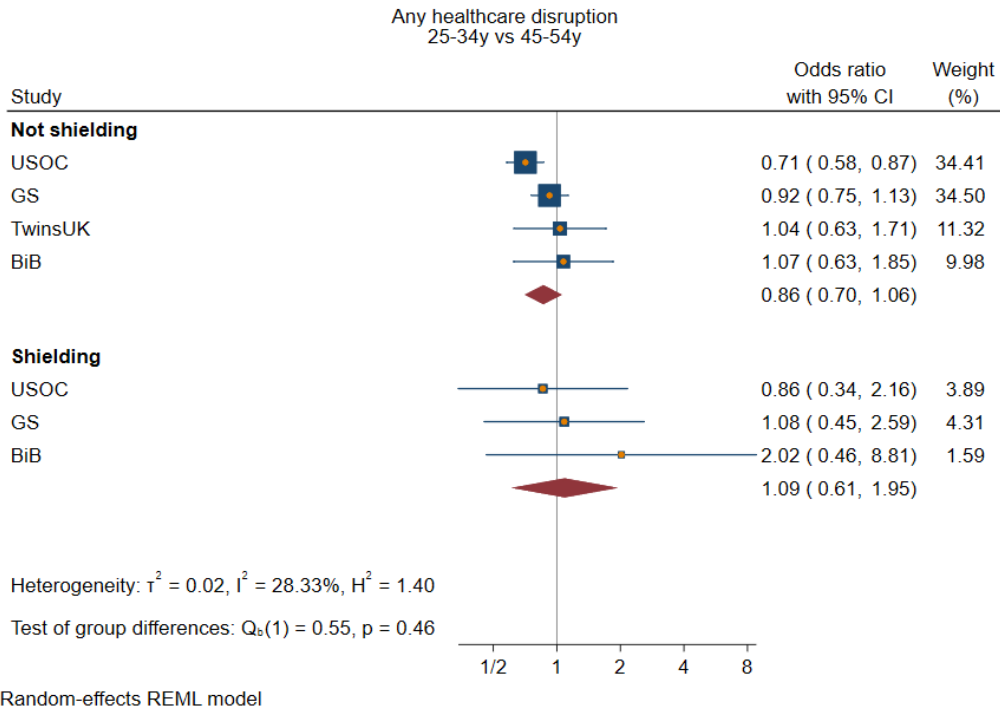
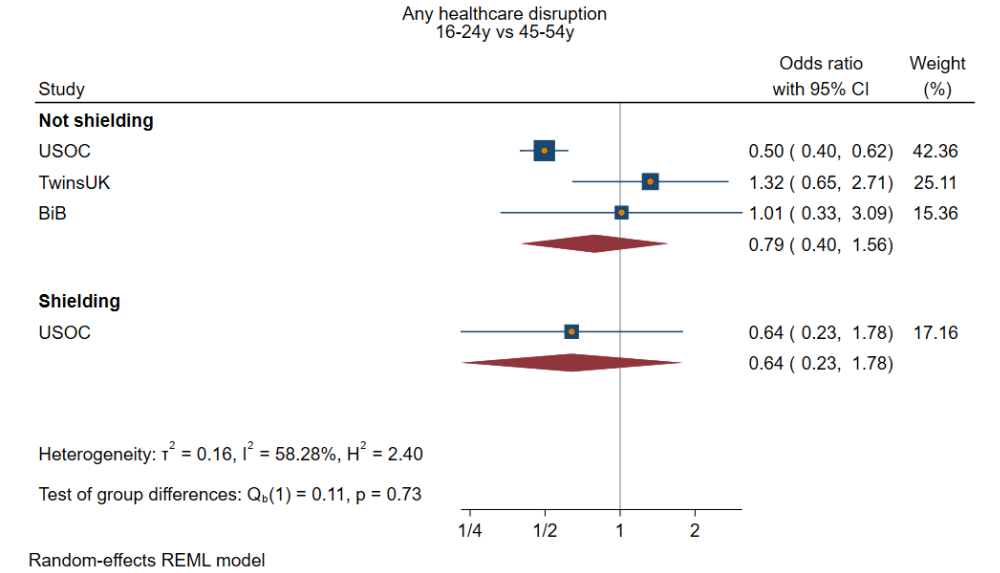
*Education*



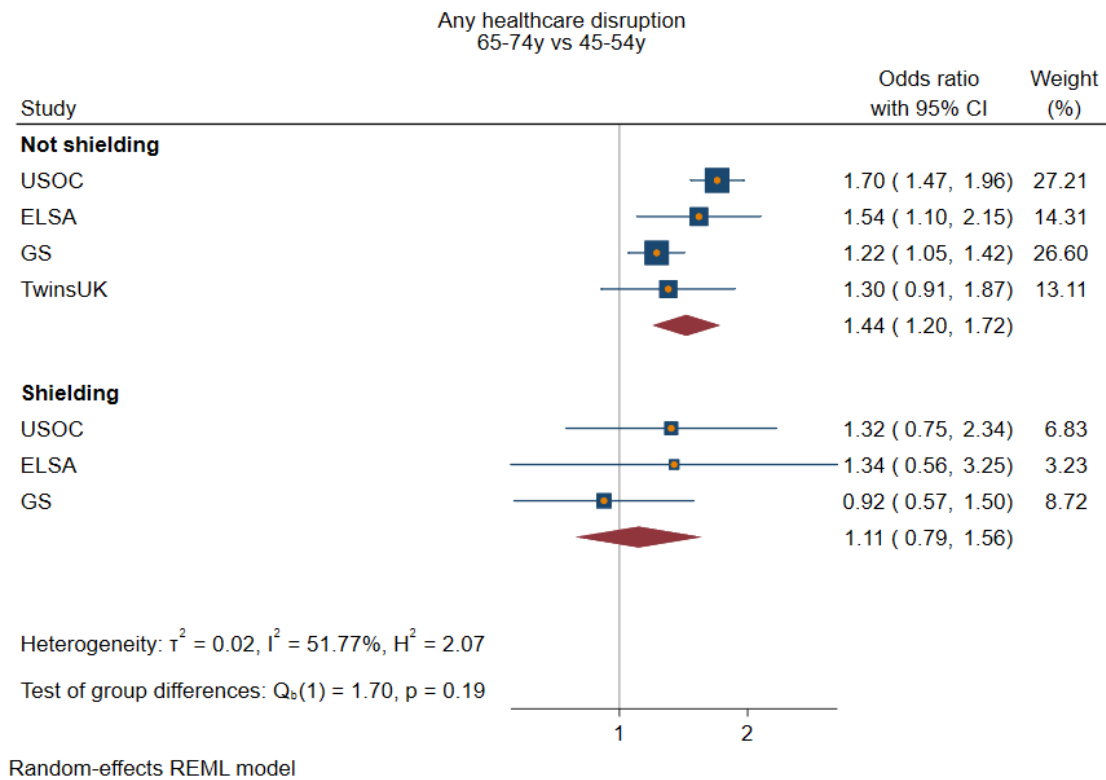
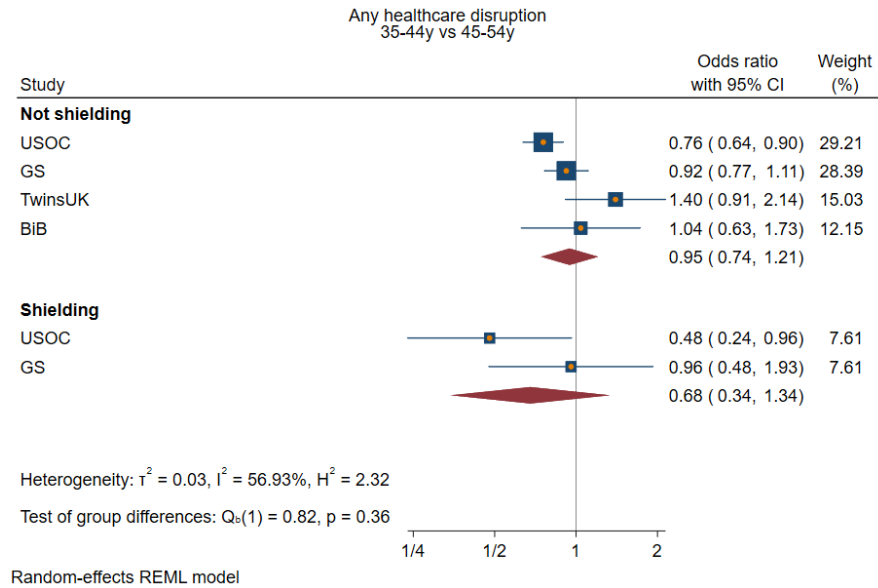


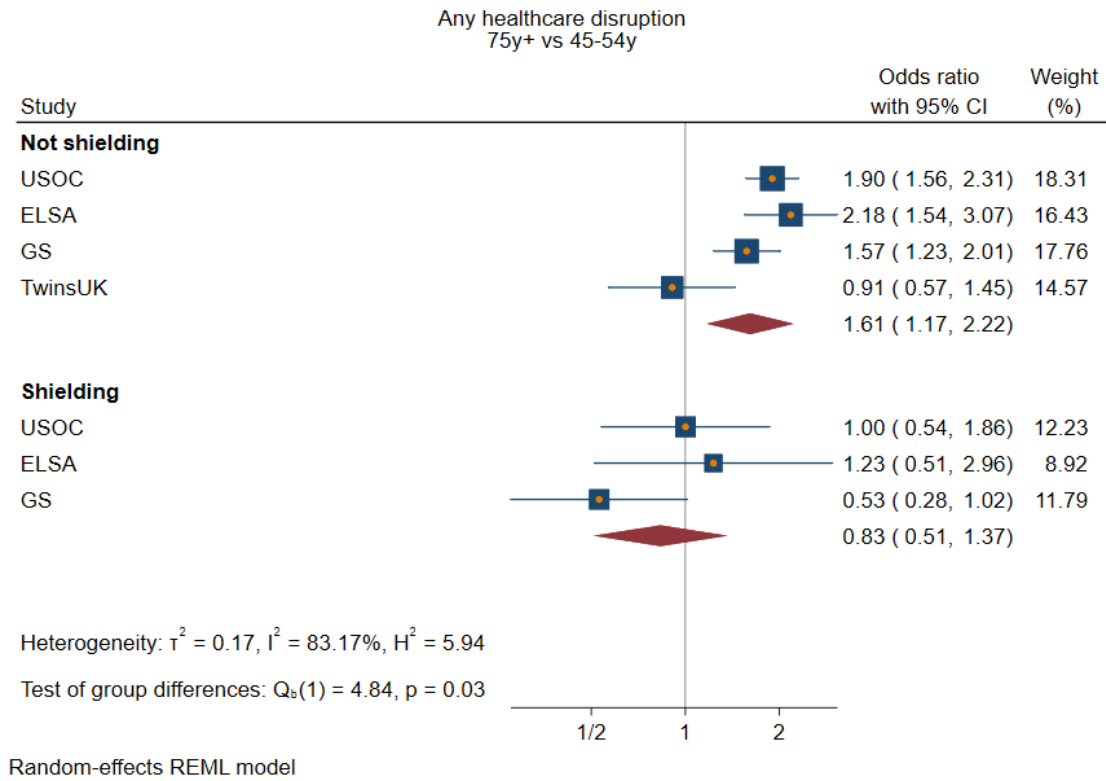


Age

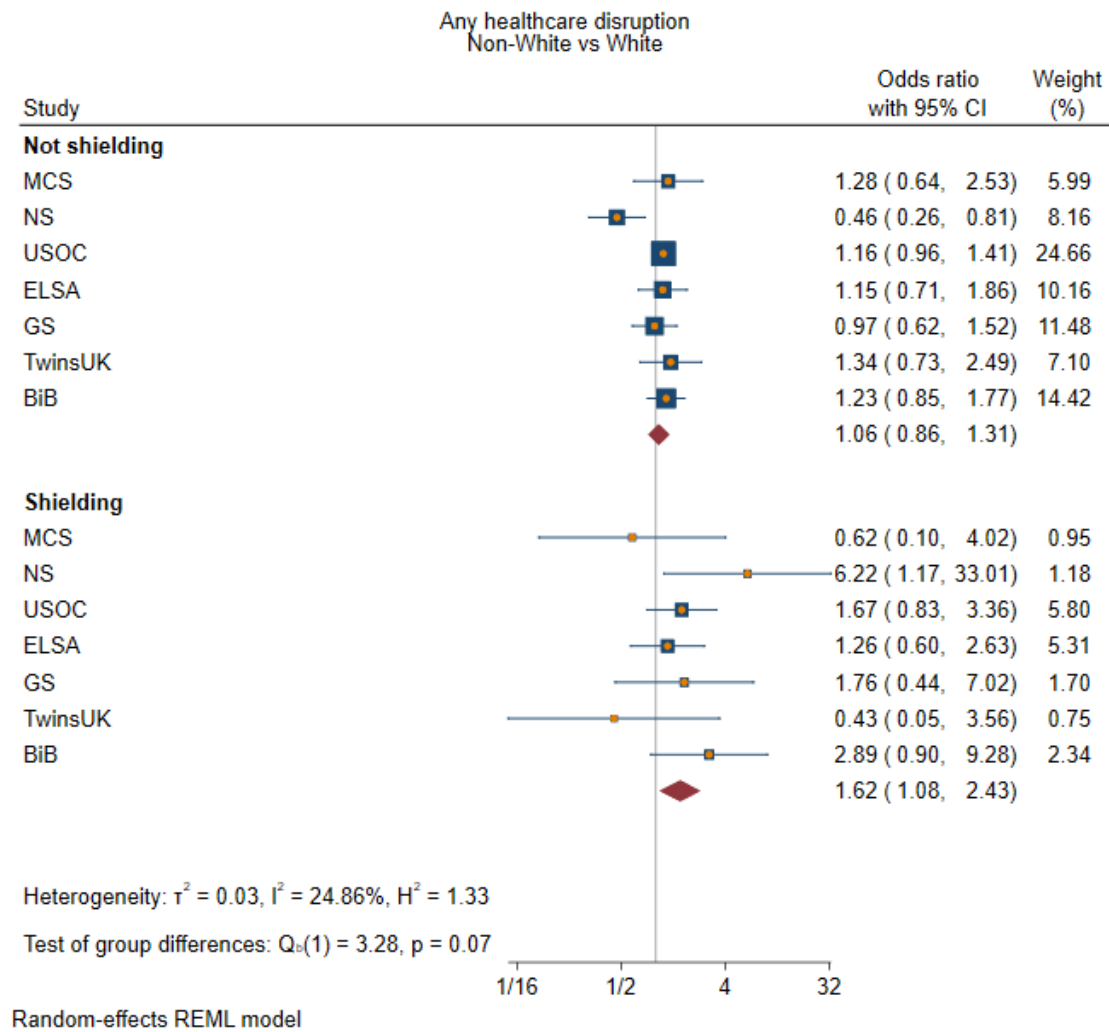


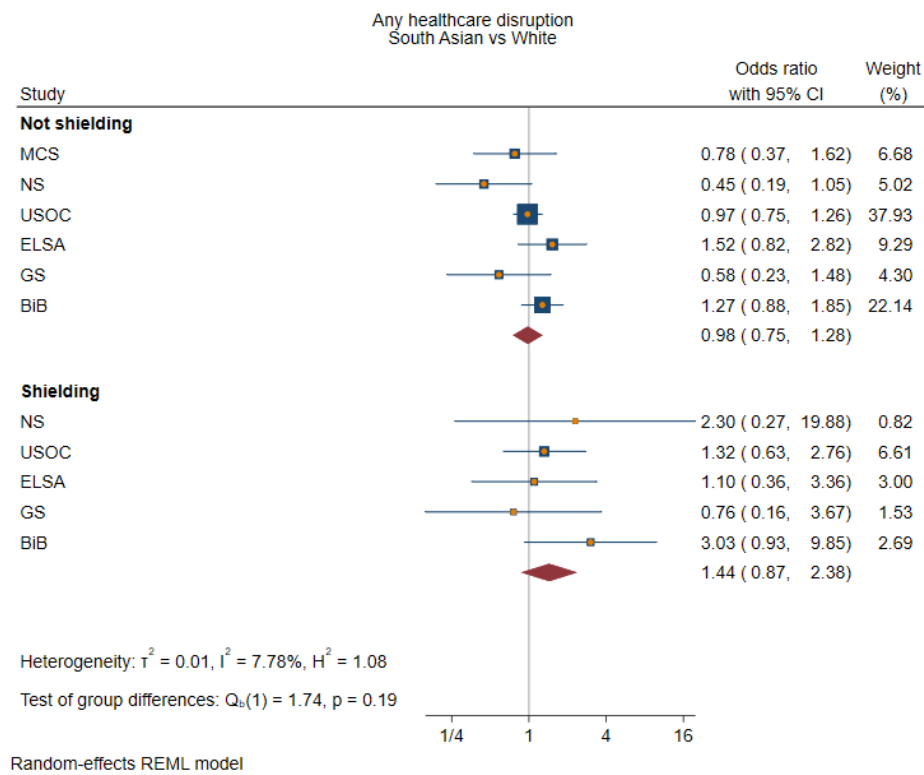
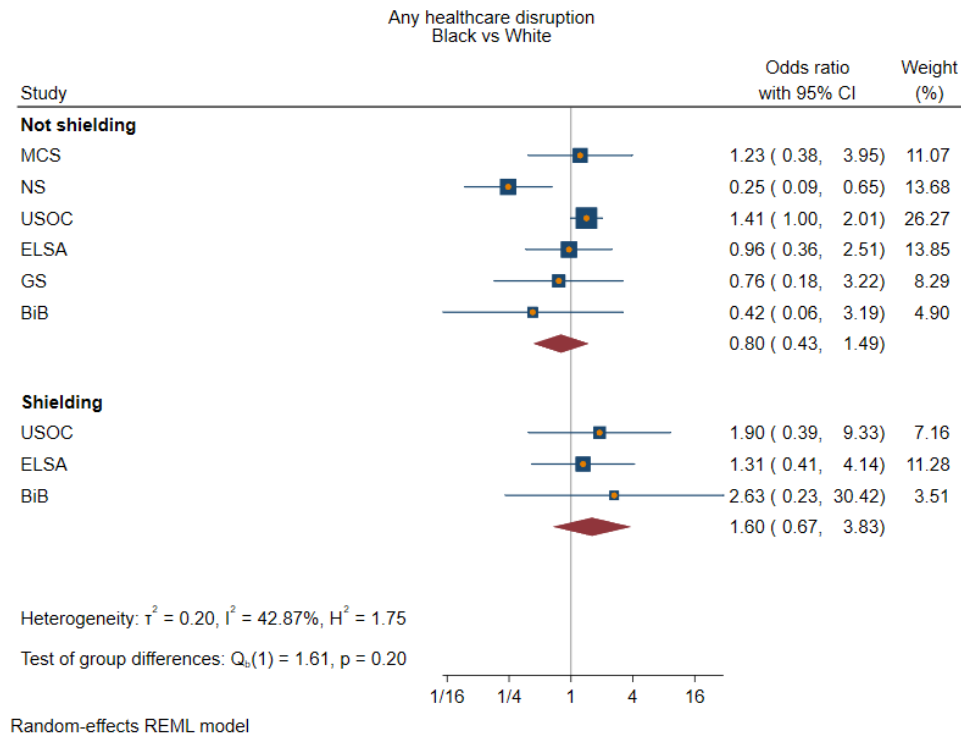


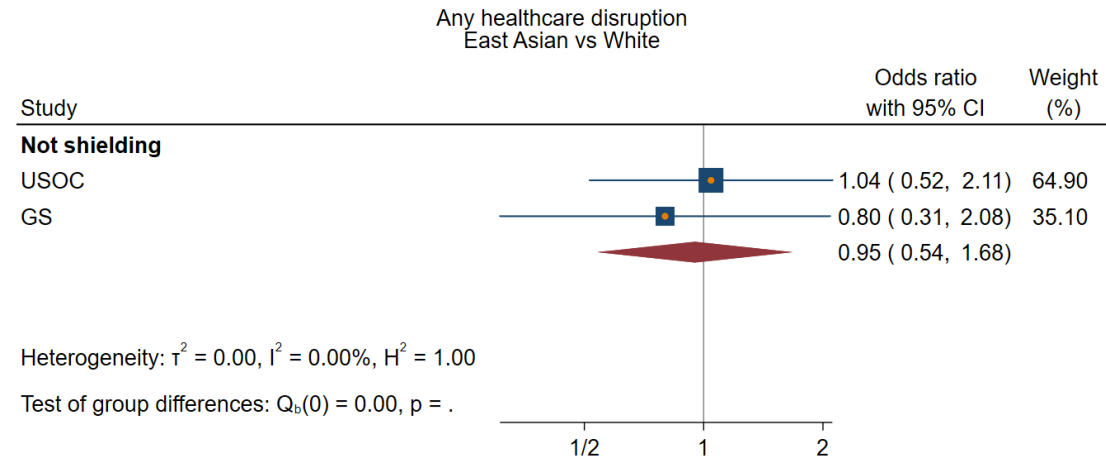




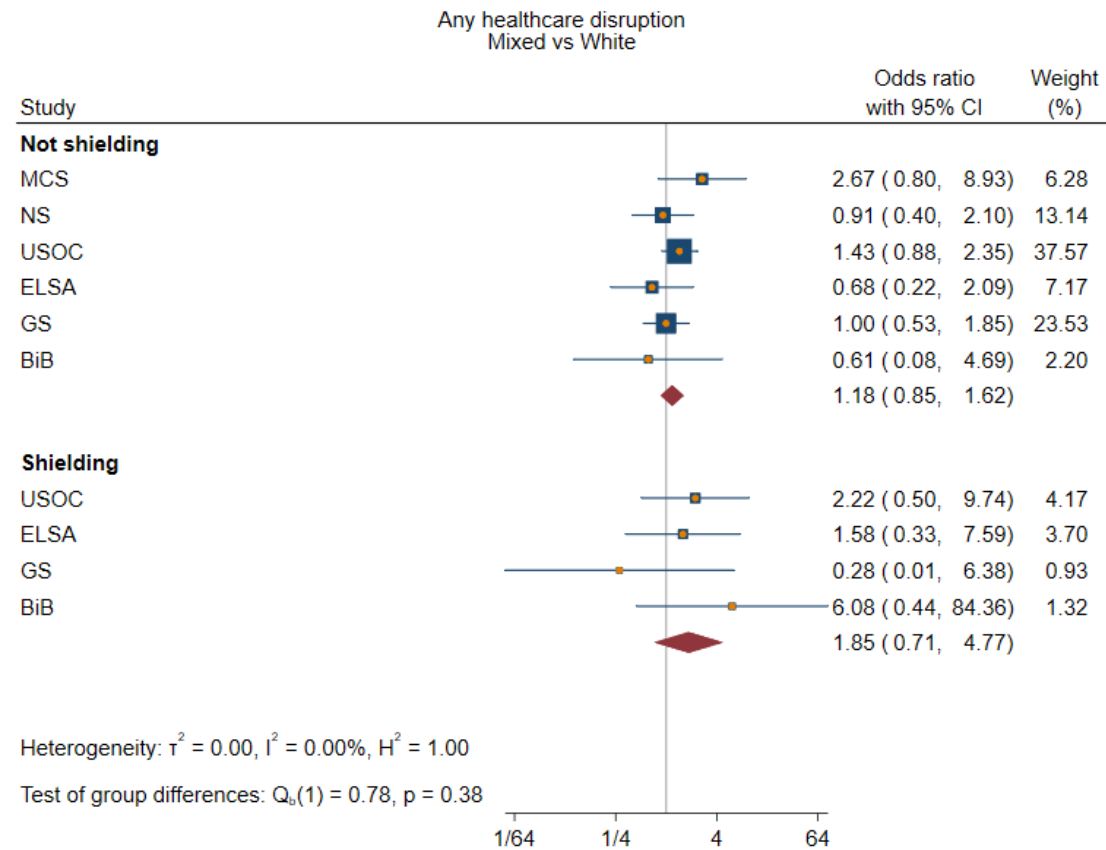
*Ethnicity*



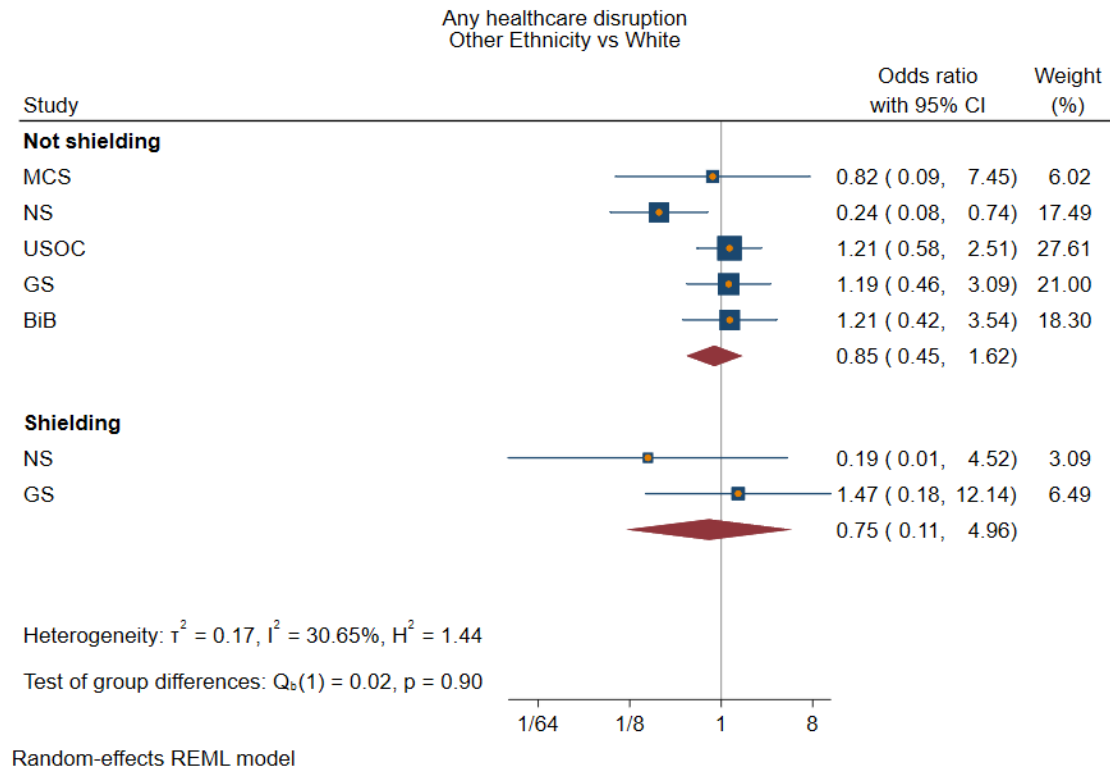




Random-effects REML model

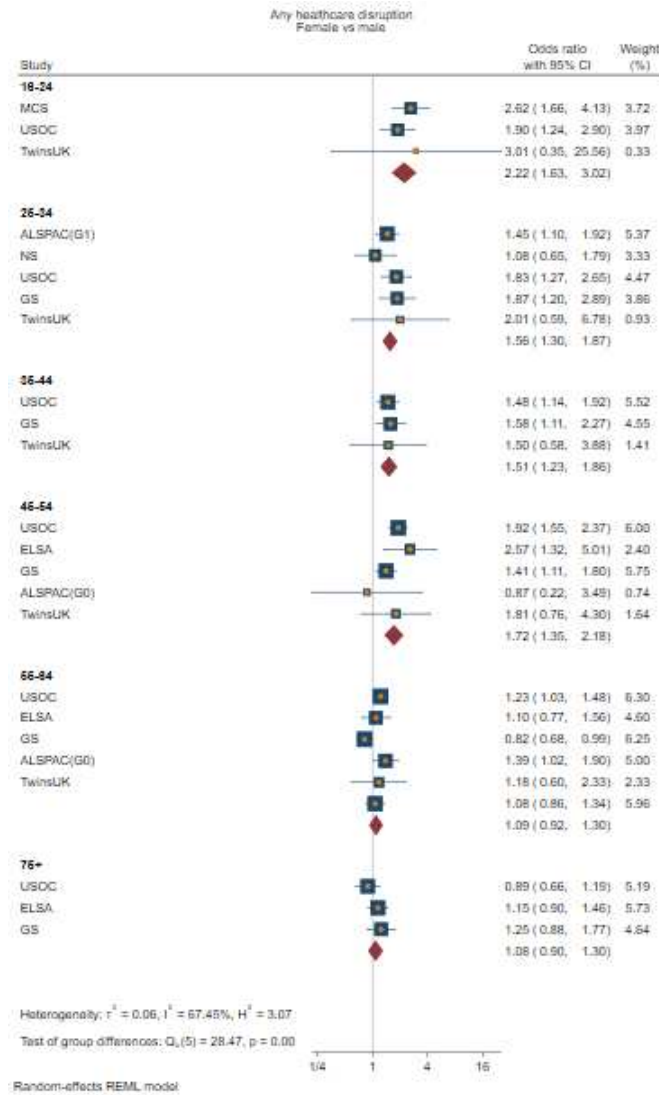


Random-effects REML model



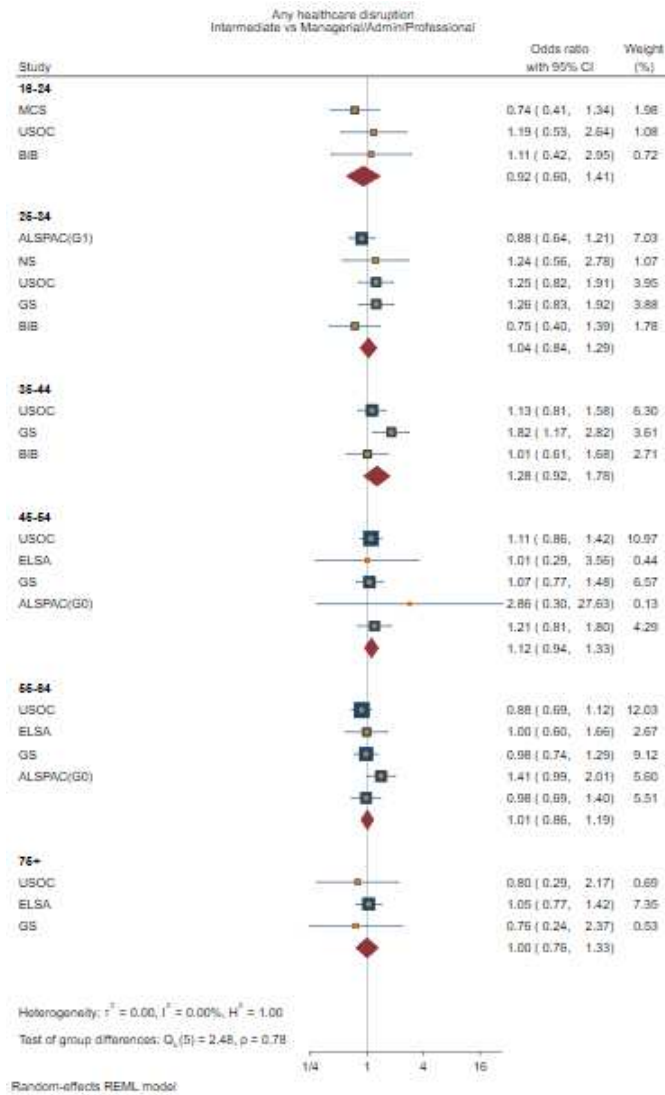
### Any healthcare disruption stratified by age

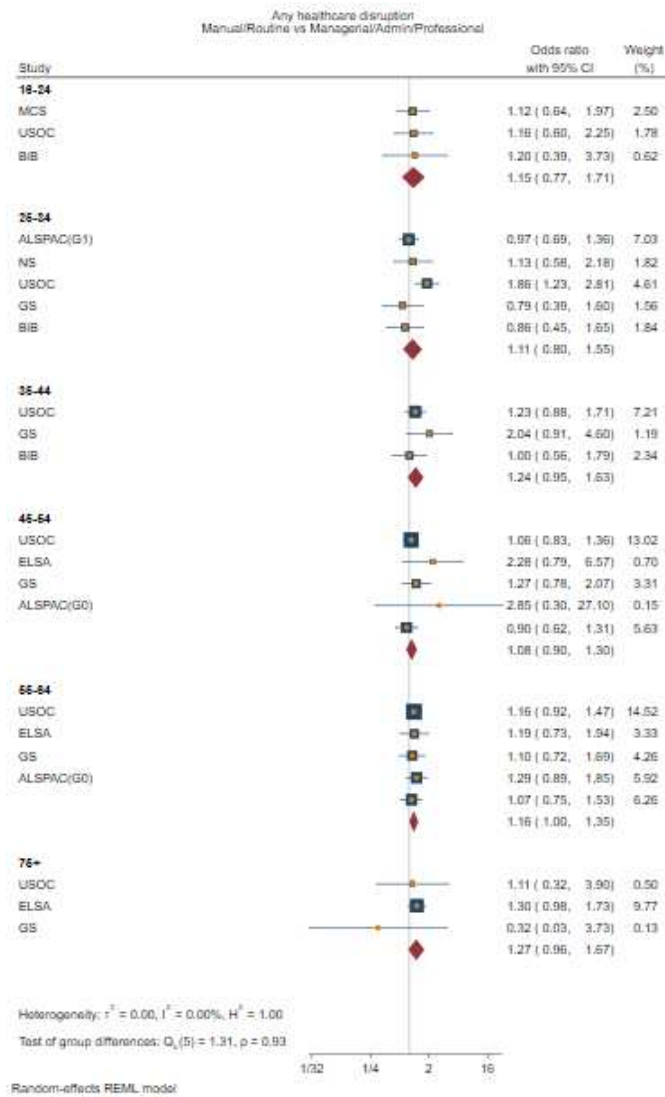
Sex

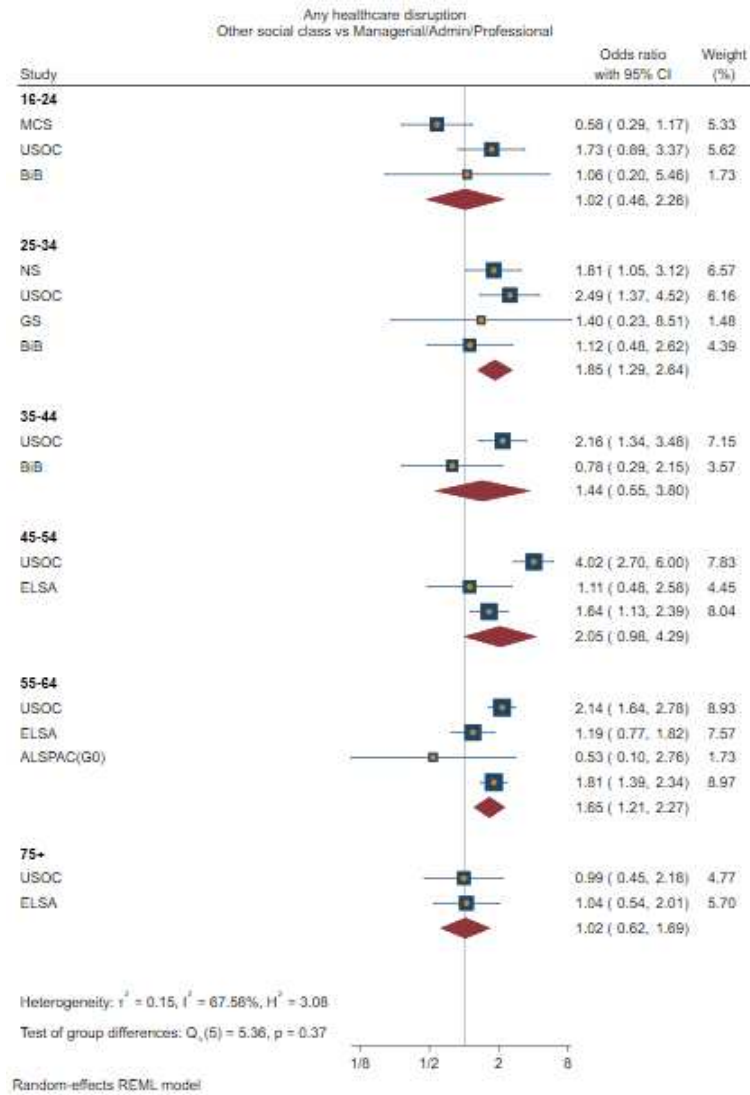




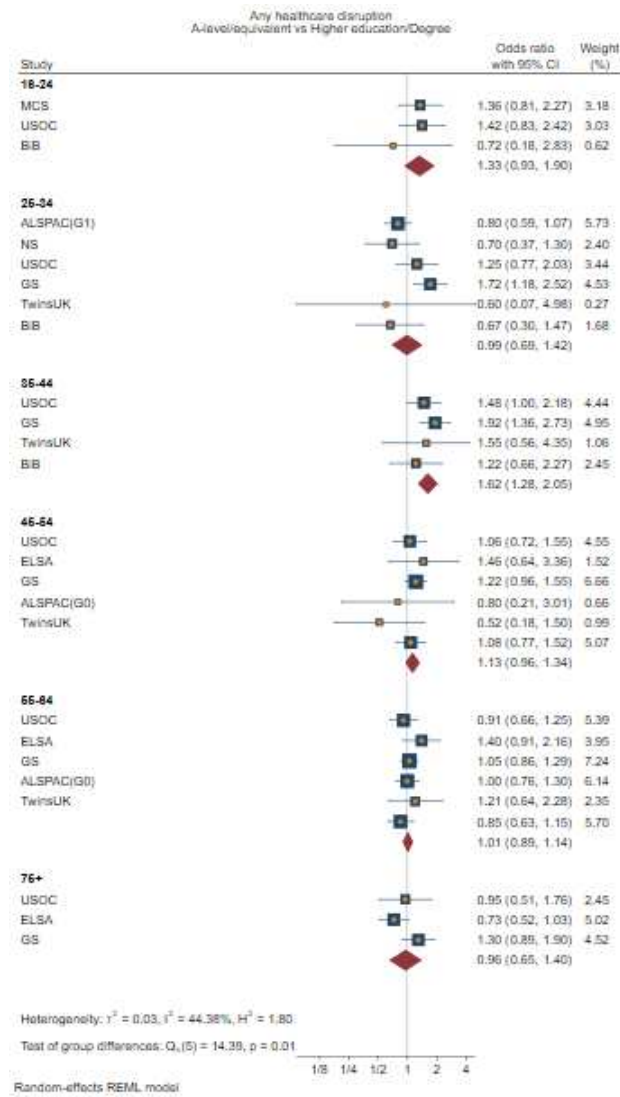
Occupational class

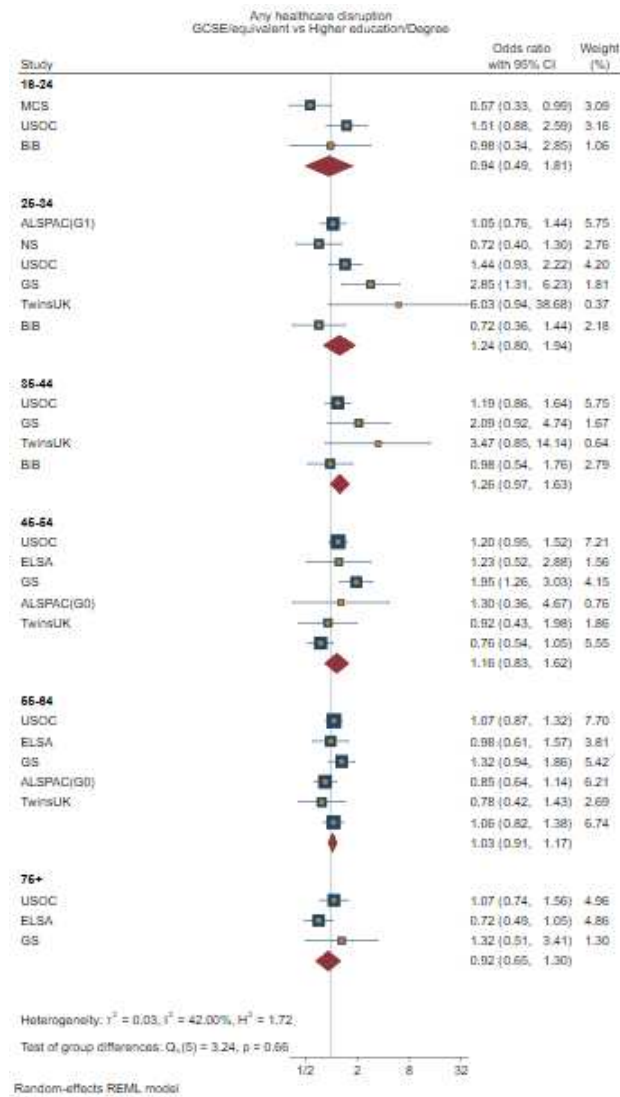


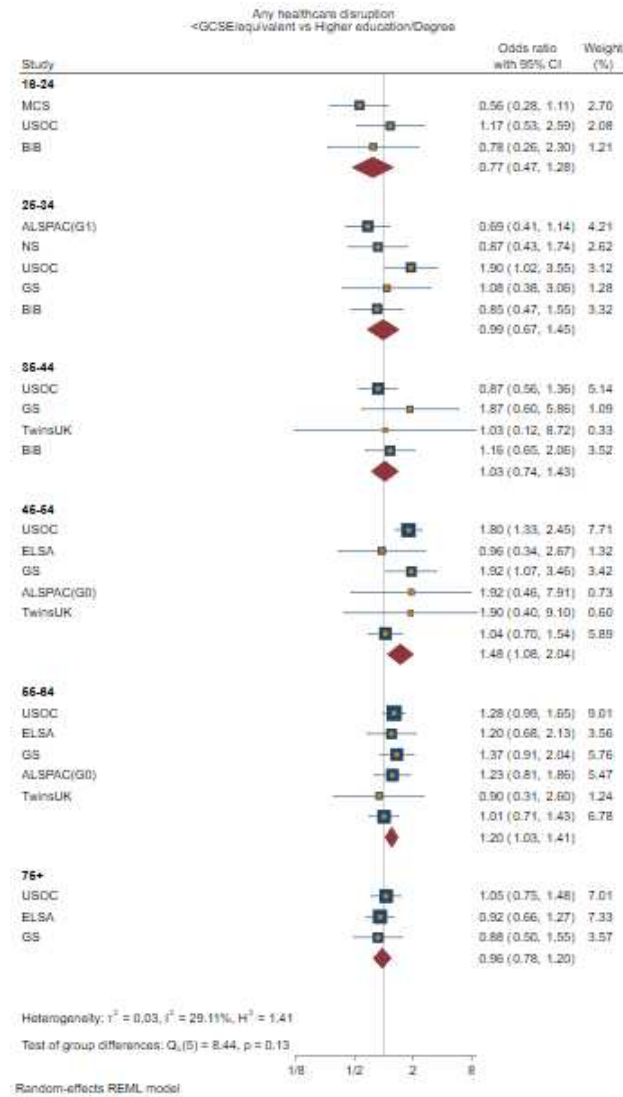




Education







Ethnicity

