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Supplementary Table 4

Odds ratios for associations of baseline variables with trajectory class assignment

This table presents odds ratios [95% confidence intervals] of assignment to each trajectory class for a unit change in each baseline predictor. The results are presented for multiple reference classes. The first three columns present odds ratios for assignment to Classes 1, 2, or 3 relative to the largest Class 4 ("Persistent low severity"). Subsequent columns present alternative comparisons. For example, the odds ratios for assignment to Classes 2, 3 or 4 relative to Class 1 ('Persistent high severity'). These alternative comparisons are derived from the same models (i.e. no additional models were estimated) and are presented to provide alternative interpretations.

			Reference class: **"Persistent low severity"**			Reference class: **"Persistent high severity"**			Reference class: **"Varying, opposing cases"**			Reference class: **"Varying, consistent with cases"**		
			Class 1	Class 2	Class 3	Class 2	Class 3	Class 4	Class 1	Class 3	Class 4	Class 3	Class 2	Class 4
			'Persistent high'	'Opposing cases'	'With cases'	'Opposing cases'	'With cases'	'Persistent low'	'Persistent high'	'With cases'	'Persistent low'	'With cases'	'Opposing cases'	'Persistent low'
Anxiety (GAD-7)	Age (10-year increase)		0.58 [0.47, 0.71]	0.60 [0.48, 0.75]	0.57 [0.47, 0.70]	1.04 [0.78, 1.39]	0.99 [0.75, 1.30]	1.72 [1.41, 2.11]	0.96 [0.72, 1.28]	0.95 [0.72, 1.25]	1.66 [1.33, 2.06]	1.01 [0.77, 1.33]	1.05 [0.80, 1.38]	1.74 [1.43, 2.12]
	Gender	Female	1.69 [0.98, 2.93]	1.39 [0.80, 2.40]	1.58 [1.00, 2.50]	0.82 [0.38, 1.77]	0.93 [0.46, 1.88]	0.59 [0.34, 1.02]	1.22 [0.56, 2.65]	1.14 [0.59, 2.19]	0.72 [0.42, 1.25]	1.07 [0.53, 2.15]	0.88 [0.46, 1.69]	0.63 [0.40, 1.00]
	Relationship status	Partner	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
		Single	1.50 [0.88, 2.57]	0.89 [0.48, 1.64]	1.17 [0.73, 1.87]	0.59 [0.27, 1.28]	0.78 [0.41, 1.50]	0.67 [0.39, 1.14]]	1.32 [0.68, 2.57]	1.13 [0.61, 2.09]	1.28 [0.67, 2.46]	0.76 [0.39, 1.47]	0.85 [0.53, 1.37]	
		Divorced	1.00 [0.24, 4.18]	1.27 [0.41, 3.98]	0.52 [0.14, 1.93]	1.27 [0.25, 6.56]	0.52 [0.09, 3.19]	0.99 [0.24, 4.14]	0.79 [0.15, 4.07]	0.41 [0.09, 1.88]	0.78 [0.25, 2.45]	1.92 [0.31, 11.70]	2.43 [0.53, 11.13]	1.91 [0.52, 7.00]
	Chronic condition		2.51 [1.49, 4.24]	1.78 [1.03, 3.10]	1.10 [0.64, 1.90]	0.71 [0.35, 1.44]	0.44 [0.22, 0.86]	0.40 [0.24, 0.67]	1.41 [0.70, 2.85]	0.62 [0.32, 1.20]	0.56 [0.32, 0.97]	2.28 [1.16, 4.48]	1.62 [0.83, 3.14]	0.91 [0.53, 1.57]
	Living arrangements	Living alone	1.28 [0.65, 2.54]	0.75 [0.31, 1.81]	0.77 [0.40, 1.49]	0.59 [0.21, 1.63]	0.60 [0.26, 1.39]	0.78 [0.39, 1.55]	1.70 [0.61, 4.69]	1.02 [0.40, 2.61]	1.32 [0.55, 3.19]	1.66 [0.72, 3.83]	0.98 [0.38, 2.49]	1.30 [0.67, 2.50]
		Renting	1.22 [0.69, 2.15]	1.01 [0.56, 1.80]	1.09 [0.70, 1.68]	0.83 [0.39, 1.77]	0.89 [0.46, 1.74]	0.82 [0.47, 1.45]	1.21 [0.56, 2.59]	1.08 [0.58, 2.02]	0.99 [0.55, 1.78]	1.12 [0.58, 2.18]	0.93 [0.49, 1.73]	0.92 [0.59, 1.43]
	Role	Academic, specialist and manag.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
		Research, clerical and technical	0.78 [0.41, 1.49]	0.89 [0.49, 1.60]	0.76 [0.45, 1.26]	1.13 [0.49, 2.61]	0.96 [0.45, 2.09]	1.27 [0.67, 2.42]	0.88 [0.38, 2.04]	0.85 [0.42, 1.71]	1.13 [0.62, 2.04]	1.04 [0.48, 2.25]	1.17 [0.58, 2.36]	1.32 [0.79, 2.20]
		Teaching, facilities and clinical	0.10 [0.01, 1.33]	0.60 [0.22, 1.65]	1.20 [0.54, 2.67]	5.99 [0.36, 100.68]	12.01 [0.81, 178.13]	10.01 [0.75, 133.64]	0.17 [0.01, 2.81]	2.01 [0.68, 5.88]	1.67 [0.60, 4.62]	0.08 [0.01, 1.24]	0.50 [0.17, 1.46]	0.83 [0.37, 1.86]
		Postgraduate student	1.25 [0.69, 2.26]	0.77 [0.33, 1.79]	1.21 [0.69, 2.11]	0.61 [0.23, 1.62]	0.97 [0.46, 2.02]	0.80 [0.44, 1.45]	1.63 [0.62, 4.30]	1.58 [0.66, 3.79]	1.31 [0.56, 3.06]	1.03 [0.50, 2.16]	0.64 [0.26, 1.53]	0.83 [0.47, 1.45]
	Caring	Has children	1.25 [0.68, 2.31]	1.03 [0.54, 1.97]	1.55 [0.91, 2.65]	0.82 [0.35, 1.95]	1.24 [0.58, 2.66]	0.80 [0.43, 1.48]	1.22 [0.51, 2.89]	1.51 [0.70, 3.26]	0.97 [0.51, 1.87]	0.81 [0.38, 1.73]	0.66 [0.31, 1.43]	0.65 [0.38, 1.10]
		Has children aged 6 or younger	1.05 [0.48, 2.30]	1.29 [0.62, 2.67]	1.75 [1.01, 3.02]	1.23 [0.44, 3.42]	1.66 [0.68, 4.03]	0.95 [0.43, 2.08]	0.81 [0.29, 2.27]	1.35 [0.60, 3.04]	0.77 [0.37, 1.60]	0.60 [0.25, 1.46]	0.74 [0.33, 1.67]	0.57 [0.33, 0.99]
		Other caring role	2.62 [1.18, 5.84]	2.12 [0.80, 5.66]	2.04 [0.93, 4.52]	0.81 [0.24, 2.69]	0.78 [0.28, 2.19]	0.38 [0.17, 0.85]	1.24 [0.37, 4.11]	0.96 [0.32, 2.93]	0.47 [0.18, 1.26]	1.28 [0.46, 3.60]	1.04 [0.34, 3.15]	0.49 [0.22, 1.08]
	Key worker		1.17 [0.55, 2.51]	0.75 [0.30, 1.83]	1.08 [0.57, 2.06]	0.64 [0.20, 2.04]	0.92 [0.37, 2.27]	0.85 [0.40, 1.83]	1.57 [0.49, 5.00]	1.45 [0.53, 3.97]	1.34 [0.55, 3.28]	1.08 [0.44, 2.67]	0.69 [0.25, 1.90]	0.93 [0.49, 1.76]
	Shielding		2.90 [0.92, 9.14]	4.73 [1.27, 17.61]	4.05 [0.93, 17.76]	1.63 [0.39, 6.92]	1.40 [0.30, 6.50]	0.34 [0.11, 1.09]	0.61 [0.14, 2.59]	0.86 [0.20, 3.73]	0.21 [0.06, 0.79]	0.71 [0.15, 3.32]	1.17 [0.27, 5.08]	0.25 [0.06, 1.08]
	Prior mental health	Anxiety	6.29 [3.83, 10.34]	3.88 [2.24, 6.74]	3.22 [2.10, 4.94]	0.62 [0.31, 1.24]	0.51 [0.28, 0.93]	0.16 [0.10, 0.26]	1.62 [0.81, 3.25]	0.83 [0.46, 1.49]	0.26 [0.15, 0.45]	1.95 [1.08, 3.54]	1.21 [0.67, 2.17]	0.31 [0.20, 0.48]
		Depression	6.64 [4.03, 10.95]	3.52 [2.05, 6.05]	2.15 [1.39, 3.33]	0.53 [0.27, 1.05]	0.32 [0.18, 0.59]	0.15 [0.09, 0.25]	1.89 [0.95, 3.74]	0.61 [0.34, 1.09]	0.28 [0.17, 0.49]	3.09 [1.69, 5.64]	1.64 [0.91, 2.95]	0.47 [0.30, 0.72]
Depression (PHQ-9)	Age (10-year increase)		0.54 [0.43, 0.69]	0.88 [0.71, 1.08]	0.66 [0.51, 0.85]	1.61 [1.16, 2.24]	1.21 [0.84, 1.73]	1.84 [1.44, 2.35]	0.62 [0.45, 0.86]	0.75 [0.55, 1.03]	1.14 [0.92, 1.41]	0.83 [0.58, 1.19]	1.33 [0.97, 1.84]	1.52 [1.18, 1.96]
	Gender	Female	0.95 [0.56, 1.61]	1.46 [0.77, 2.75]	1.68 [0.91, 3.09]	1.54 [0.66, 3.59]	1.77 [0.78, 4.04]	1.05 [0.62, 1.80]	0.65 [0.28, 1.52]	1.15 [0.49, 2.70]	0.69 [0.36, 1.30]	0.56 [0.25, 1.28]	0.87 [0.37, 2.03]	0.59 [0.32, 1.09]
	Relationship status	Partner	1.22 [0.69, 2.15]	1.01 [0.56, 1.80]	1.09 [0.70, 1.68]	0.83 [0.39, 1.77]	0.89 [0.46, 1.74]	0.82 [0.47, 1.45]	1.21 [0.56, 2.59]	1.08 [0.58, 2.02]	0.99 [0.55, 1.78]	1.12 [0.58, 2.18]	0.93 [0.49, 1.73]	0.92 [0.59, 1.43]
		Single	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
		Divorced	2.53 [0.79, 8.14]	2.01 [0.68, 5.95]	1.17 [0.37, 3.72]	0.79 [0.17, 3.72]	0.46 [0.10, 2.24]	0.40 [0.12, 1.27]	1.26 [0.27, 5.90]	0.58 [0.14, 2.39]	0.50 [0.17, 1.48]	2.16 [0.45, 10.46]	1.72 [0.42, 7.04]	0.85 [0.27, 2.72]
	Chronic condition		2.15 [1.24, 3.72]	1.09 [0.57, 2.09]	1.28 [0.65, 2.49]	0.51 [0.22, 1.16]	0.59 [0.26, 1.35]	0.47 [0.27, 0.80]	1.97 [0.86, 4.50]	1.17 [0.50, 2.73]	0.92 [0.48, 1.75]	1.69 [0.74, 3.84]	0.86 [0.37, 2.00]	0.78 [0.40, 1.53]
	Living arrangements	Living alone	1.83 [0.97, 3.47]	1.98 [0.93, 4.20]	1.26 [0.64, 2.48]	1.08 [0.42, 2.76]	0.69 [0.29, 1.62]	0.55 [0.29, 1.03]	0.93 [0.36, 2.37]	0.64 [0.26, 1.59]	0.51 [0.24, 1.07]	1.45 [0.62, 3.41]	1.57 [0.63, 3.90]	0.79 [0.40, 1.56]
		Renting	1.24 [0.67, 2.29]	0.79 [0.43, 1.47]	1.38 [0.78, 2.44]	0.64 [0.27, 1.53]	1.11 [0.49, 2.56]	0.81 [0.44, 1.50]	1.55 [0.65, 3.69]	1.73 [0.79, 3.79]	1.26 [0.68, 2.33]	0.90 [0.39, 2.06]	0.58 [0.26, 1.26]	0.73 [0.41, 1.29]
	Role	Academic, specialist and manag.	1.22 [0.69, 2.15]	1.01 [0.56, 1.80]	1.09 [0.70, 1.68]	0.83 [0.39, 1.77]	0.89 [0.46, 1.74]	0.82 [0.47, 1.45]	1.21 [0.56, 2.59]	1.08 [0.58, 2.02]	0.99 [0.55, 1.78]	1.12 [0.58, 2.18]	0.93 [0.49, 1.73]	0.92 [0.59, 1.43]
		Research, clerical and technical	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
		Teaching, facilities and clinical	0.63 [0.23, 1.77]	1.30 [0.45, 3.76]	0.95 [0.34, 2.63]	2.06 [0.46, 9.28]	1.49 [0.35, 6.35]	1.58 [0.56, 4.41]	0.49 [0.11, 2.19]	0.73 [0.19, 2.79]	0.77 [0.27, 2.21]	0.67 [0.16, 2.85]	1.38 [0.36, 5.27]	1.05 [0.38, 2.93]
		Postgraduate student	1.76 [0.94, 3.31]	0.78 [0.30, 2.01]	1.32 [0.68, 2.59]	0.44 [0.14, 1.39]	0.75 [0.31, 1.83]	0.57 [0.30, 1.06]	2.25 [0.72, 7.04]	1.69 [0.57, 4.98]	1.28 [0.50, 3.27]	1.33 [0.55, 3.26]	0.59 [0.20, 1.75]	0.76 [0.39, 1.48]
	Caring	Has children	0.87 [0.43, 1.75]	1.00 [0.52, 1.91]	0.87 [0.41, 1.82]	1.15 [0.44, 2.98]	1.00 [0.36, 2.74]	1.15 [0.57, 2.32]	0.87 [0.34, 2.25]	0.87 [0.34, 2.19]	1.00 [0.52, 1.91]	1.00 [0.36, 2.75]	1.15 [0.46, 2.91]	1.15 [0.55, 2.42]
		Has children aged 6 or younger	0.83 [0.36, 1.92]	0.36 [0.13, 1.02]	1.43 [0.70, 2.92]	0.44 [0.11, 1.69]	1.74 [0.60, 5.05]	1.21 [0.52, 2.81]	2.28 [0.59, 8.80]	3.96 [1.22, 12.89]	2.76 [0.98, 7.77]	0.58 [0.20, 1.68]	0.25 [0.08, 0.82]	0.70 [0.34, 1.42]
		Other caring role	1.22 [0.44, 3.35]	1.19 [0.46, 3.10]	1.69 [0.60, 4.74]	0.98 [0.23, 4.06]	1.38 [0.32, 6.04]	0.82 [0.30, 2.25]	1.02 [0.25, 4.26]	1.42 [0.40, 5.00]	0.84 [0.32, 2.19]	0.72 [0.17, 3.16]	0.70 [0.20, 2.48]	0.59 [0.21, 1.67]
	Key worker		1.55 [0.76, 3.17]	1.35 [0.57, 3.21]	1.45 [0.67, 3.17]	0.87 [0.29, 2.65]	0.94 [0.34, 2.61]	0.64 [0.32, 1.31]	1.15 [0.38, 3.50]	1.08 [0.36, 3.21]	0.74 [0.31, 1.76]	1.07 [0.38, 2.98]	0.93 [0.31, 2.77]	0.69 [0.32, 1.50]
	Shielding		1.49 [0.36, 6.05]	1.84 [0.49, 6.85]	2.22 [0.46, 10.80]	1.24 [0.15, 10.34]	1.50 [0.18, 12.33]	0.67 [0.17, 2.74]	0.81 [0.10, 6.73]	1.21 [0.17, 8.30]	0.54 [0.15, 2.02]	0.67 [0.08, 5.51]	0.83 [0.12, 5.70]	0.45 [0.09, 2.19]
	Prior mental health	Anxiety	3.58 [2.20, 5.82]	3.26 [1.73, 6.15]	3.10 [1.89, 5.11]	0.91 [0.41, 2.03]	0.87 [0.44, 1.70]	0.28 [0.17, 0.45]	1.10 [0.49, 2.46]	0.95 [0.45, 2.03]	0.31 [0.16, 0.58]	1.15 [0.59, 2.26]	1.05 [0.49, 2.23]	0.32 [0.20, 0.53]
		Depression	5.43 [3.26, 9.03]	6.96 [3.92, 12.36]	3.15 [1.93, 5.11]	1.28 [0.60, 2.76]	0.58 [0.29, 1.14]	0.18 [0.11, 0.31]	0.78 [0.36, 1.68]	0.45 [0.23, 0.91]	0.14 [0.08, 0.26]	1.73 [0.88, 3.40]	2.21 [1.10, 4.45]	0.32 [0.20, 0.52]

Notes.

Each variable tested in a separate model, adjusted for age, sex, and prior diagnosis of anxiety or depression, except for models age and gender which were adjusted for age and gender only.