

Table S1. Summary of GEE model results for the association between cognitive function and arthritis in CHARLS, HRS, and ELSA.

Term	Estimate OR	Standard errors	P value	Conf.low	Conf.high	Dataset	Model
(Intercept)	0.251479	0.193665	1.02E-12	0.17205	0.367578	CHARLS	memory_only
age	1.002973	0.002979	0.31887	0.997135	1.008846	CHARLS	memory_only
genderYes	0.703896	0.057262	8.68E-10	0.629169	0.787499	CHARLS	memory_only
ruralYes	1.083756	0.046564	0.0841	0.989228	1.187316	CHARLS	memory_only
marital_statusNever married/Other	0.883654	0.075621	0.10191	0.761927	1.024828	CHARLS	memory_only
marital_statusSeparated/Divorced/Widowed	1.171	0.183025	0.38842	0.818023	1.676287	CHARLS	memory_only
educationSecondary	0.714415	0.079444	2.31E-05	0.611403	0.834784	CHARLS	memory_only
educationTertiary	0.646381	0.194664	0.02498	0.441357	0.946643	CHARLS	memory_only
drinking_statusYes	1.067915	0.052933	0.21448	0.962675	1.18466	CHARLS	memory_only
smoking_statusYes	0.981817	0.057804	0.75089	0.876653	1.099596	CHARLS	memory_only
bmi	1.002464	0.002139	0.2498	0.998271	1.006676	CHARLS	memory_only
depression_score	1.067715	0.003742	0	1.059914	1.075574	CHARLS	memory_only
hypertensionYes	1.045453	0.051237	0.38565	0.945565	1.155892	CHARLS	memory_only

diabetesYes	1.078437	0.086196	0.38099	0.910804	1.276923	CHARLS	memory_only
heart_diseaseYes	1.691508	0.064678	4.44E-16	1.490116	1.920119	CHARLS	memory_only
strokeYes	1.397382	0.141968	0.01843	1.057967	1.845687	CHARLS	memory_only
cancerYes	1.016322	0.222659	0.94203	0.656907	1.572386	CHARLS	memory_only
psychiatric_disorderYes	1.477101	0.215496	0.07027	0.968232	2.253414	CHARLS	memory_only
memory_score	1.014029	0.023833	0.55885	0.967751	1.062521	CHARLS	memory_only
(Intercept)	0.269659	0.192211	9.20E-12	0.185014	0.39303	CHARLS	orientation_only
age	1.00203	0.002954	0.49253	0.996244	1.007849	CHARLS	orientation_only
genderYes	0.709171	0.057476	2.24E-09	0.633618	0.793733	CHARLS	orientation_only
ruralYes	1.068603	0.047212	0.15991	0.974157	1.172205	CHARLS	orientation_only
marital_statusNever married/Other	0.881568	0.075604	0.09546	0.760154	1.022375	CHARLS	orientation_only
marital_statusSeparated/Divorced/Widowed	1.176685	0.18329	0.37472	0.821569	1.685298	CHARLS	orientation_only
educationSecondary	0.727162	0.078801	5.27E-05	0.623097	0.848608	CHARLS	orientation_only
educationTertiary	0.66453	0.193618	0.0348	0.454681	0.97123	CHARLS	orientation_only

drinking_statusYes	1.066368	0.052955	0.22495	0.96124	1.182994	CHARLS	orientation_only
smoking_statusYes	0.979441	0.057828	0.71943	0.87449	1.096988	CHARLS	orientation_only
bmi	1.002474	0.002147	0.24984	0.998264	1.006702	CHARLS	orientation_only
depression_score	1.066592	0.003717	0	1.05885	1.07439	CHARLS	orientation_only
hypertensionYes	1.048119	0.051265	0.35928	0.947923	1.158904	CHARLS	orientation_only
diabetesYes	1.079771	0.08619	0.37322	0.911941	1.278488	CHARLS	orientation_only
heart_diseaseYes	1.698945	0.064775	3.33E-16	1.496382	1.928927	CHARLS	orientation_only
strokeYes	1.395224	0.141696	0.01875	1.056895	1.841858	CHARLS	orientation_only
cancerYes	1.020173	0.222542	0.92849	0.659547	1.57798	CHARLS	orientation_only
psychiatric_disorderYes	1.481218	0.215258	0.06799	0.971384	2.25864	CHARLS	orientation_only
orientation_score	0.964119	0.024444	0.13494	0.919017	1.011433	CHARLS	orientation_only
(Intercept)	0.2663	0.190092	3.39E-12	0.18347	0.386526	CHARLS	executive_only
age	1.002074	0.002938	0.48081	0.996319	1.007861	CHARLS	executive_only
genderYes	0.716409	0.058131	9.63E-09	0.639263	0.802864	CHARLS	executive_only
ruralYes	1.074099	0.046592	0.12498	0.980359	1.176802	CHARLS	executive_only

marital_statusNever married/Other	0.877481	0.075722	0.08434	0.756455	1.017871	CHARLS	executive_only
marital_statusSeparated/Divorced/Widowed	1.164953	0.182857	0.40373	0.814067	1.66708	CHARLS	executive_only
educationSecondary	0.729483	0.078878	6.37E-05	0.624991	0.851445	CHARLS	executive_only
educationTertiary	0.665531	0.193596	0.03545	0.455385	0.972653	CHARLS	executive_only
drinking_statusYes	1.06933	0.052929	0.20535	0.963958	1.18622	CHARLS	executive_only
smoking_statusYes	0.979996	0.057805	0.72667	0.875026	1.097559	CHARLS	executive_only
bmi	1.002539	0.00213	0.23385	0.998363	1.006732	CHARLS	executive_only
depression_score	1.066423	0.003718	0	1.05868	1.074222	CHARLS	executive_only
hypertensionYes	1.046586	0.051231	0.37412	0.946601	1.157132	CHARLS	executive_only
diabetesYes	1.083358	0.086235	0.35318	0.914888	1.282849	CHARLS	executive_only
heart_diseaseYes	1.700424	0.064753	2.22E-16	1.49775	1.930524	CHARLS	executive_only
strokeYes	1.399314	0.141667	0.01771	1.060054	1.84715	CHARLS	executive_only

cancerYes	1.022736	0.223154	0.91975	0.660412	1.583846	CHARLS	executive_only
psychiatric_disorderYes	1.490968	0.216195	0.06467	0.975984	2.277686	CHARLS	executive_only
executive_score	1.00029	0.00012	0.01593	1.000054	1.000526	CHARLS	executive_only
(Intercept)	0.273098	0.194702	2.63E-11	0.186461	0.399991	CHARLS	total_cognition_only
age	1.001824	0.002989	0.54213	0.995971	1.007711	CHARLS	total_cognition_only
genderYes	0.709752	0.057655	2.74E-09	0.633914	0.794662	CHARLS	total_cognition_only
ruralYes	1.071224	0.047083	0.14393	0.976795	1.174783	CHARLS	total_cognition_only
marital_statusNever married/Other	0.880215	0.075619	0.09155	0.758965	1.020835	CHARLS	total_cognition_only
marital_statusSeparated/Divorced/Widowed	1.172188	0.182987	0.38528	0.818915	1.677861	CHARLS	total_cognition_only
educationSecondary	0.731474	0.079458	8.31E-05	0.625986	0.854739	CHARLS	total_cognition_only
educationTertiary	0.670344	0.19421	0.03945	0.458127	0.980866	CHARLS	total_cognition_only
drinking_statusYes	1.068363	0.052939	0.21162	0.963068	1.18517	CHARLS	total_cognition_only
smoking_statusYes	0.97992	0.057818	0.72572	0.874935	1.097504	CHARLS	total_cognition_only
bmi	1.002488	0.002135	0.24438	0.998302	1.006692	CHARLS	total_cognition_only

depression_score	1.066325	0.003758	0	1.0585	1.074208	CHARLS	total_cognition_only
hypertensionYes	1.04715	0.051246	0.36863	0.947083	1.15779	CHARLS	total_cognition_only
diabetesYes	1.081263	0.086216	0.36483	0.913154	1.280319	CHARLS	total_cognition_only
heart_diseaseYes	1.700107	0.064782	2.22E-16	1.497386	1.930274	CHARLS	total_cognition_only
strokeYes	1.397048	0.141643	0.01825	1.058387	1.844074	CHARLS	total_cognition_only
cancerYes	1.022672	0.223064	0.91995	0.660486	1.583467	CHARLS	total_cognition_only
psychiatric_disorderYes	1.486455	0.215771	0.06619	0.973839	2.268907	CHARLS	total_cognition_only
cognition_total_score	0.963977	0.027817	0.18721	0.912828	1.017993	CHARLS	total_cognition_only
(Intercept)	0.263153	0.195393	8.34E-12	0.179428	0.385946	CHARLS	multi_domain
age	1.002295	0.003	0.4448	0.996419	1.008204	CHARLS	multi_domain
genderYes	0.721841	0.058294	2.25E-08	0.643904	0.809211	CHARLS	multi_domain
ruralYes	1.068134	0.047313	0.16358	0.973538	1.171921	CHARLS	multi_domain
marital_statusNever married/Other	0.876925	0.075775	0.08306	0.755897	1.017331	CHARLS	multi_domain

marital_statusSeparated/Divorced/Widowed	1.167915	0.183294	0.39709	0.815439	1.672751	CHARLS	multi_domain
educationSecondary	0.725305	0.079656	5.53E-05	0.620465	0.84786	CHARLS	multi_domain
educationTertiary	0.658677	0.194664	0.03197	0.449753	0.964653	CHARLS	multi_domain
drinking_statusYes	1.066673	0.052953	0.22288	0.961519	1.183326	CHARLS	multi_domain
smoking_statusYes	0.978694	0.057822	0.70955	0.873834	1.096136	CHARLS	multi_domain
bmi	1.002556	0.002146	0.23417	0.998348	1.006782	CHARLS	multi_domain
depression_score	1.066573	0.003766	0	1.05873	1.074474	CHARLS	multi_domain
hypertensionYes	1.048352	0.051263	0.35699	0.948139	1.159156	CHARLS	multi_domain
diabetesYes	1.083033	0.086215	0.35487	0.914651	1.282413	CHARLS	multi_domain
heart_diseaseYes	1.700996	0.06479	2.22E-16	1.498146	1.931312	CHARLS	multi_domain
strokeYes	1.39766	0.141685	0.01813	1.058763	1.845035	CHARLS	multi_domain
cancerYes	1.020166	0.2225	0.9285	0.659596	1.577843	CHARLS	multi_domain
psychiatric_disorderYes	1.487672	0.215727	0.06558	0.974719	2.270568	CHARLS	multi_domain

memory_score	1.029646	0.024793	0.23865	0.980809	1.080916	CHARLS	multi_domain
orientation_score	0.969825	0.025648	0.23224	0.922277	1.019824	CHARLS	multi_domain
executive_score	1.128227	0.042193	0.00424	1.038679	1.225495	CHARLS	multi_domain
(Intercept)	0.001961	0.182836	0	0.00137	0.002806	HRS	memory_only
age	1.070868	0.001939	0	1.066807	1.074945	HRS	memory_only
genderYes	0.582974	0.036538	0	0.542685	0.626253	HRS	memory_only
ruralYes	1.299764	0.039673	3.88E-11	1.202527	1.404864	HRS	memory_only
marital_statusNever married/Other	0.85376	0.044456	3.76E-04	0.782518	0.931488	HRS	memory_only
marital_statusSeparated/Divorced/Widowed	0.926189	0.045934	0.09506	0.846448	1.013442	HRS	memory_only
educationSecondary	1.008267	0.047271	0.86173	0.919048	1.106148	HRS	memory_only
educationTertiary	0.826053	0.058328	0.00105	0.736815	0.926099	HRS	memory_only
drinking_statusYes	0.951323	0.036489	0.17145	0.885663	1.021851	HRS	memory_only
smoking_statusYes	1.202293	0.049144	1.78E-04	1.091891	1.323858	HRS	memory_only
bmi	1.053844	0.003097	0	1.047466	1.060261	HRS	memory_only

depression_score	1.114347	0.009744	0	1.093267	1.135833	HRS	memory_only
hypertensionYes	1.332066	0.036554	4.33E-15	1.239968	1.431003	HRS	memory_only
diabetesYes	1.0591	0.043656	0.18843	0.972246	1.153712	HRS	memory_only
heart_diseaseYes	1.431083	0.045723	4.55E-15	1.308414	1.565252	HRS	memory_only
strokeYes	1.114193	0.073418	0.14081	0.964865	1.28663	HRS	memory_only
cancerYes	1.354499	0.054626	2.78E-08	1.216973	1.507567	HRS	memory_only
psychiatric_disorderYes	2.155888	0.052436	0	1.945325	2.389242	HRS	memory_only
memory_score	1.043249	0.022438	0.05917	0.998362	1.090153	HRS	memory_only
(Intercept)	0.001997	0.182117	0	0.001398	0.002854	HRS	orientation_only
age	1.07038	0.001908	0	1.066384	1.07439	HRS	orientation_only
genderYes	0.578444	0.036106	0	0.538925	0.620861	HRS	orientation_only
ruralYes	1.300074	0.039649	3.63E-11	1.202869	1.405134	HRS	orientation_only
marital_statusNever married/Other	0.85051	0.044404	2.66E-04	0.77962	0.927846	HRS	orientation_only
marital_statusSeparated/Divorced/Widowed	0.923808	0.045895	0.0842	0.844338	1.010759	HRS	orientation_only

educationSecondary	1.020903	0.046439	0.65597	0.932085	1.118185	HRS	orientation_only
educationTertiary	0.845332	0.05621	0.0028	0.757149	0.943785	HRS	orientation_only
drinking_statusYes	0.955296	0.036414	0.20913	0.889493	1.025966	HRS	orientation_only
smoking_statusYes	1.201373	0.049088	1.86E-04	1.091175	1.322701	HRS	orientation_only
bmi	1.053865	0.003097	0	1.047487	1.060282	HRS	orientation_only
depression_score	1.11285	0.009688	0	1.091919	1.134183	HRS	orientation_only
hypertensionYes	1.329868	0.036551	6.22E-15	1.237931	1.428632	HRS	orientation_only
diabetesYes	1.057527	0.043645	0.2	0.970824	1.151973	HRS	orientation_only
heart_diseaseYes	1.430124	0.045723	5.11E-15	1.307539	1.564203	HRS	orientation_only
strokeYes	1.107691	0.073245	0.1626	0.959562	1.278688	HRS	orientation_only
cancerYes	1.356941	0.054618	2.29E-08	1.219187	1.51026	HRS	orientation_only
psychiatric_disorderYes	2.161317	0.052448	0	1.950181	2.395312	HRS	orientation_only
orientation_score	1.027992	0.020402	0.17599	0.987697	1.069931	HRS	orientation_only
(Intercept)	0.00206	0.182372	0	0.001441	0.002945	HRS	executive_only
age	1.07015	0.001902	0	1.066169	1.074146	HRS	executive_only

genderYes	0.57291	0.036044	0	0.533834	0.614847	HRS	executive_only
ruralYes	1.298911	0.039673	4.34E-11	1.201739	1.403942	HRS	executive_only
marital_statusNever married/Other	0.853204	0.044482	3.58E-04	0.781969	0.930928	HRS	executive_only
marital_statusSeparated/Divorced/Widowed	0.92589	0.045911	0.09351	0.846214	1.013069	HRS	executive_only
educationSecondary	1.006335	0.048021	0.89537	0.91594	1.105652	HRS	executive_only
educationTertiary	0.827771	0.059044	0.00137	0.737313	0.929327	HRS	executive_only
drinking_statusYes	0.952159	0.036532	0.17961	0.886367	1.022834	HRS	executive_only
smoking_statusYes	1.202077	0.049115	1.79E-04	1.091755	1.323547	HRS	executive_only
bmi	1.053899	0.003097	0	1.047521	1.060316	HRS	executive_only
depression_score	1.114022	0.009735	0	1.092968	1.135482	HRS	executive_only
hypertensionYes	1.334142	0.036581	3.22E-15	1.241836	1.43331	HRS	executive_only
diabetesYes	1.059077	0.043662	0.18865	0.972215	1.1537	HRS	executive_only
heart_diseaseYes	1.428984	0.045738	6.00E-15	1.306458	1.563002	HRS	executive_only

strokeYes	1.108835	0.073292	0.15867	0.960464	1.280127	HRS	executive_only
cancerYes	1.3545	0.054627	2.78E-08	1.216971	1.507572	HRS	executive_only
psychiatric_disorderYes	2.153909	0.052387	0	1.943729	2.386815	HRS	executive_only
executive_score	1.134987	0.060607	0.03669	1.007862	1.278146	HRS	executive_only
(Intercept)	0.002005	0.182023	0	0.001403	0.002865	HRS	total_cognition_only
age	1.070775	0.001919	0	1.066755	1.074809	HRS	total_cognition_only
genderYes	0.579828	0.036071	0	0.540251	0.622304	HRS	total_cognition_only
ruralYes	1.29823	0.039676	4.76E-11	1.201101	1.403214	HRS	total_cognition_only
marital_statusNever married/Other	0.854877	0.044489	4.24E-04	0.783492	0.932767	HRS	total_cognition_only
marital_statusSeparated/Divorced/Widowed	0.927445	0.045926	0.10099	0.847609	1.0148	HRS	total_cognition_only
educationSecondary	0.995645	0.048003	0.92756	0.906243	1.093868	HRS	total_cognition_only
educationTertiary	0.812299	0.059477	4.74E-04	0.722918	0.912732	HRS	total_cognition_only
drinking_statusYes	0.9495	0.036553	0.15629	0.883854	1.020021	HRS	total_cognition_only
smoking_statusYes	1.203426	0.049133	1.64E-04	1.092943	1.325077	HRS	total_cognition_only

bmi	1.053711	0.003098	0	1.047333	1.060129	HRS	total_cognition_only
depression_score	1.115645	0.009772	0	1.094479	1.137219	HRS	total_cognition_only
hypertensionYes	1.334502	0.036565	3.00E-15	1.242211	1.43365	HRS	total_cognition_only
diabetesYes	1.060904	0.043671	0.1758	0.973875	1.155712	HRS	total_cognition_only
heart_diseaseYes	1.428904	0.045729	6.00E-15	1.306408	1.562887	HRS	total_cognition_only
strokeYes	1.117026	0.073409	0.13166	0.967336	1.289879	HRS	total_cognition_only
cancerYes	1.351836	0.054652	3.47E-08	1.214518	1.504679	HRS	total_cognition_only
psychiatric_disorderYes	2.157913	0.052433	0	1.947166	2.39147	HRS	total_cognition_only
cognition_total_score	1.055916	0.023401	0.02007	1.008581	1.105473	HRS	total_cognition_only
(Intercept)	0.001982	0.183811	0	0.001383	0.002842	HRS	multi_domain
age	1.070917	0.001943	0	1.066847	1.075003	HRS	multi_domain
genderYes	0.581704	0.037004	0	0.541009	0.62546	HRS	multi_domain
ruralYes	1.298384	0.039684	4.70E-11	1.201224	1.403402	HRS	multi_domain
marital_statusNever married/Other	0.855197	0.044513	4.41E-04	0.783749	0.933159	HRS	multi_domain

marital_statusSeparated/Divorced/Widowed	0.927646	0.045944	0.10211	0.847763	1.015055	HRS	multi_domain
educationSecondary	0.995335	0.048483	0.92316	0.905108	1.094556	HRS	multi_domain
educationTertiary	0.810988	0.060361	5.19E-04	0.720503	0.912837	HRS	multi_domain
drinking_statusYes	0.949115	0.036579	0.15336	0.883452	1.019658	HRS	multi_domain
smoking_statusYes	1.20349	0.049146	1.64E-04	1.092973	1.325182	HRS	multi_domain
bmi	1.053708	0.003098	0	1.04733	1.060126	HRS	multi_domain
depression_score	1.115765	0.009786	0	1.094568	1.137371	HRS	multi_domain
hypertensionYes	1.334324	0.036585	3.22E-15	1.241995	1.433516	HRS	multi_domain
diabetesYes	1.060965	0.043676	0.17544	0.973921	1.155789	HRS	multi_domain
heart_diseaseYes	1.429364	0.045745	5.77E-15	1.306787	1.563439	HRS	multi_domain
strokeYes	1.118187	0.073443	0.12825	0.968277	1.291307	HRS	multi_domain
cancerYes	1.351736	0.054655	3.50E-08	1.214421	1.504578	HRS	multi_domain
psychiatric_disorderYes	2.157581	0.052468	0	1.946734	2.391265	HRS	multi_domain

memory_score	1.034567	0.023183	0.14268	0.988611	1.082659	HRS	multi_domain
orientation_score	1.02035	0.020754	0.3317	0.979678	1.062711	HRS	multi_domain
executive_score	1.049844	0.020498	0.01764	1.008503	1.092881	HRS	multi_domain
(Intercept)	0.005747	1.234812	2.94E-05	5.11E-04	0.064641	ELSA	memory_only
age	1.054878	0.016228	9.95E-04	1.021853	1.08897	ELSA	memory_only
genderYes	0.56316	0.230522	0.01275	0.358436	0.884816	ELSA	memory_only
marital_statusNever married/Other	0.685535	0.366011	0.30229	0.334565	1.404684	ELSA	memory_only
marital_statusSeparated/Divorced/Widowed	0.768551	0.27363	0.33602	0.449529	1.313976	ELSA	memory_only
educationSecondary	0.480802	0.289822	0.01151	0.272439	0.848523	ELSA	memory_only
educationTertiary	0.286576	0.376242	8.95E-04	0.137082	0.599097	ELSA	memory_only
drinking_statusYes	0.482887	0.324056	0.02468	0.255863	0.911343	ELSA	memory_only
smoking_statusYes	0.972146	0.307703	0.92685	0.531881	1.77684	ELSA	memory_only
bmi	1.066775	0.019557	9.49E-04	1.026659	1.108459	ELSA	memory_only

depression_score	1.148084	0.052958	0.00912	1.034894	1.273654	ELSA	memory_only
hypertensionYes	1.37194	0.248468	0.20312	0.843022	2.232703	ELSA	memory_only
diabetesYes	0.836657	0.433371	0.68069	0.357818	1.95629	ELSA	memory_only
heart_diseaseYes	1.635721	0.300019	0.10097	0.908517	2.945002	ELSA	memory_only
strokeYes	1.14484	0.618416	0.82686	0.340681	3.847168	ELSA	memory_only
cancerYes	1.756618	0.381831	0.14008	0.831117	3.712722	ELSA	memory_only
psychiatric_disorderYes	2.047994	0.337057	0.03343	1.057854	3.964896	ELSA	memory_only
memory_score	1.092029	0.137641	0.52242	0.833823	1.430194	ELSA	memory_only
(Intercept)	0.006719	1.203276	3.21E-05	6.35E-04	0.071041	ELSA	orientation_only
age	1.051833	0.015533	0.00114	1.020293	1.084348	ELSA	orientation_only
genderYes	0.558605	0.228229	0.01073	0.357138	0.873723	ELSA	orientation_only
marital_statusNever married/Other	0.671166	0.369089	0.28	0.325583	1.383564	ELSA	orientation_only
marital_statusSeparated/Divorced/Widowed	0.76416	0.274364	0.3269	0.44632	1.308348	ELSA	orientation_only

educationSecondary	0.481635	0.287188	0.01096	0.274323	0.845616	ELSA	orientation_only
educationTertiary	0.29462	0.357541	6.31E-04	0.146192	0.593747	ELSA	orientation_only
drinking_statusYes	0.477951	0.324041	0.02271	0.253256	0.902004	ELSA	orientation_only
smoking_statusYes	0.973769	0.309709	0.93161	0.530678	1.786821	ELSA	orientation_only
bmi	1.066816	0.019525	9.24E-04	1.026763	1.108432	ELSA	orientation_only
depression_score	1.149111	0.05376	0.00973	1.034193	1.276799	ELSA	orientation_only
hypertensionYes	1.379397	0.24897	0.19639	0.84677	2.247051	ELSA	orientation_only
diabetesYes	0.857097	0.424991	0.71672	0.37263	1.971436	ELSA	orientation_only
heart_diseaseYes	1.690955	0.292801	0.07281	0.952575	3.001684	ELSA	orientation_only
strokeYes	1.252387	0.599778	0.70749	0.38655	4.057614	ELSA	orientation_only
cancerYes	1.75667	0.383515	0.14181	0.828403	3.725108	ELSA	orientation_only
psychiatric_disorderYes	2.086277	0.335587	0.02843	1.080737	4.027391	ELSA	orientation_only
orientation_score	1.171551	0.16636	0.34124	0.845582	1.623182	ELSA	orientation_only
(Intercept)	2.18E-68	225.4465	0.48953	#####	#####	ELSA	executive_only
age	1.052884	0.015342	7.83E-04	1.021694	1.085025	ELSA	executive_only

genderYes	0.549017	0.229566	0.009	0.350089	0.860979	ELSA	executive_only
marital_statusNever married/Other	0.695284	0.366587	0.32149	0.33894	1.42627	ELSA	executive_only
marital_statusSeparated/Divorced/Widowed	0.774721	0.276776	0.35641	0.450353	1.332716	ELSA	executive_only
educationSecondary	0.500143	0.28479	0.01498	0.286207	0.873993	ELSA	executive_only
educationTertiary	0.305456	0.356168	8.69E-04	0.151977	0.61393	ELSA	executive_only
drinking_statusYes	0.488249	0.322609	0.02626	0.259439	0.918854	ELSA	executive_only
smoking_statusYes	0.989225	0.306233	0.97178	0.542787	1.802856	ELSA	executive_only
bmi	1.068103	0.01969	8.20E-04	1.027668	1.110129	ELSA	executive_only
depression_score	1.141991	0.053223	0.01261	1.028868	1.267553	ELSA	executive_only
hypertensionYes	1.365545	0.249156	0.21114	0.837962	2.225296	ELSA	executive_only
diabetesYes	0.825942	0.437251	0.66186	0.350559	1.945979	ELSA	executive_only
heart_diseaseYes	1.660444	0.294686	0.08529	0.931937	2.958433	ELSA	executive_only

strokeYes	1.156603	0.62599	0.81622	0.33911	3.94483	ELSA	executive_only
cancerYes	1.782114	0.37902	0.1274	0.847837	3.745917	ELSA	executive_only
psychiatric_disorderYes	2.052843	0.336078	0.03235	1.062394	3.966665	ELSA	executive_only
executive_score	1.066626	0.024754	0.00917	1.016112	1.119652	ELSA	executive_only
(Intercept)	0.004608	1.304887	3.74E-05	3.57E-04	0.059462	ELSA	total_cognition_only
age	1.055133	0.016096	8.56E-04	1.022365	1.08895	ELSA	total_cognition_only
genderYes	0.570226	0.230384	0.01476	0.363031	0.895674	ELSA	total_cognition_only
marital_statusNever married/Other	0.677657	0.369509	0.29232	0.328461	1.398094	ELSA	total_cognition_only
marital_statusSeparated/Divorced/Widowed	0.755108	0.273687	0.30473	0.441618	1.291135	ELSA	total_cognition_only
educationSecondary	0.466018	0.289714	0.0084	0.264118	0.822258	ELSA	total_cognition_only
educationTertiary	0.274658	0.369615	4.72E-04	0.133099	0.566774	ELSA	total_cognition_only
drinking_statusYes	0.47262	0.325452	0.02129	0.249739	0.89441	ELSA	total_cognition_only
smoking_statusYes	0.963924	0.309926	0.90563	0.52509	1.769505	ELSA	total_cognition_only
bmi	1.066509	0.019577	0.00101	1.026363	1.108226	ELSA	total_cognition_only

depression_score	1.15429	0.053608	0.00744	1.039162	1.282173	ELSA	total_cognition_only
hypertensionYes	1.378281	0.248648	0.19694	0.84662	2.243815	ELSA	total_cognition_only
diabetesYes	0.856353	0.425221	0.71534	0.372138	1.970612	ELSA	total_cognition_only
heart_diseaseYes	1.653347	0.296083	0.08948	0.925417	2.953864	ELSA	total_cognition_only
strokeYes	1.205752	0.602495	0.75615	0.37018	3.927377	ELSA	total_cognition_only
cancerYes	1.770642	0.384098	0.13689	0.834038	3.759028	ELSA	total_cognition_only
psychiatric_disorderYes	2.061855	0.336001	0.03127	1.067219	3.983481	ELSA	total_cognition_only
cognition_total_score	1.281115	0.232481	0.28661	0.812269	2.020583	ELSA	total_cognition_only
(Intercept)	2.05E-73	226.1991	0.45935	#####	#####	ELSA	multi_domain
age	1.05491	0.016411	0.00112	1.02152	1.089392	ELSA	multi_domain
genderYes	0.565746	0.232145	0.01414	0.358938	0.891711	ELSA	multi_domain
marital_statusNever married/Other	0.686668	0.369672	0.30922	0.332722	1.417139	ELSA	multi_domain
marital_statusSeparated/Divorced/Widowed	0.748199	0.276226	0.29364	0.435405	1.285704	ELSA	multi_domain

educationSecondary	0.46736	0.290291	0.00879	0.264579	0.825558	ELSA	multi_domain
educationTertiary	0.275755	0.372393	5.41E-04	0.132905	0.572144	ELSA	multi_domain
drinking_statusYes	0.469025	0.32588	0.02017	0.247632	0.888353	ELSA	multi_domain
smoking_statusYes	0.970534	0.310928	0.92337	0.527653	1.785143	ELSA	multi_domain
bmi	1.067615	0.01972	9.07E-04	1.027138	1.109688	ELSA	multi_domain
depression_score	1.15428	0.053936	0.00781	1.038486	1.282986	ELSA	multi_domain
hypertensionYes	1.375362	0.249056	0.20065	0.844151	2.240856	ELSA	multi_domain
diabetesYes	0.855922	0.426221	0.7151	0.371222	1.973488	ELSA	multi_domain
heart_diseaseYes	1.672102	0.29912	0.08568	0.930361	3.005206	ELSA	multi_domain
strokeYes	1.236979	0.613577	0.72888	0.371608	4.117563	ELSA	multi_domain
cancerYes	1.815032	0.384498	0.12106	0.854278	3.856286	ELSA	multi_domain
psychiatric_disorderYes	2.06333	0.337202	0.03171	1.065471	3.995726	ELSA	multi_domain
memory_score	1.086283	0.138747	0.55085	0.827639	1.425755	ELSA	multi_domain
orientation_score	1.163701	0.167322	0.3649	0.838333	1.615348	ELSA	multi_domain
executive_score	1.128776	0.05444	0.02608	1.014536	1.255879	ELSA	multi_domain

BMI: body mass index; CHARLS: China Health and Retirement Longitudinal Study; Conf: 95% confidence interval; ELSA: English Longitudinal Study of Ageing; GEE: Generalised Estimating Equations; HRS: Health and Retirement Study; OR: odds ratio