

Supplementary Information

Supplementary Table 1. Male age-specific prevalence estimates of ALS by country per 100,000 population

Country	Survival Rate	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	>85	2015 estimated no. of cases	2040 estimated no. of cases
Africa																	
Libya	3.50	0.39	0.39	8.12	8.12	9.94	9.94	28.49	28.49	28.39	28.39	0.00	0.00	0.00	0.00	198	433
Americas																	
United States	3.00	0.33	2.37	2.37	4.89	4.89	7.47	7.47	19.26	19.26	30.51	30.51	21.54	21.54	21.54	12,656	17,184
Uruguay	4.33	NA	0.95	0.95	7.49	7.49	12.21	12.21	28.58	28.58	33.25	33.25	28.06	28.06	28.06	146	193
Asia																	
China	2.25	0.00	0.00	0.36	2.07	2.21	0.68	1.62	4.07	8.98	4.32	8.10	5.81	3.44	3.44	12,261	17,281
Iran	3.25	0.23	0.00	0.68	1.85	2.63	3.15	6.47	8.68	11.02	7.25	9.13	5.33	7.74	7.74	774	1,699
Japan	2.25	0.00	0.00	0.23	0.23	1.13	1.13	5.40	5.40	12.15	12.15	18.68	18.68	11.48	11.48	3,241	3,558
Taiwan	2.25	0.95	0.88	1.17	1.64	2.90	3.44	4.55	4.95	9.05	10.15	9.32	6.32	2.07	2.07	345	432
Europe																	
EU28*	2.39	0.24	0.72	0.72	1.43	3.35	5.26	5.74	13.62	13.38	20.79	25.57	23.18	17.69	4.78	15,960	19,320
Serbia	2.39	0.00	0.00	0.00	0.67	1.72	0.67	3.32	6.38	11.59	5.19	2.13	NA	NA	NA	74	69
Oceania																	
New Zealand	2.30	1.15	1.15	1.15	1.15	1.15	1.15	8.51	8.51	24.38	24.38	41.86	41.86	17.48	17.48	154	226
Total no. of cases / population															45,810 / 939 million	60,394 / 1.01 billion	

*EU28, region consisting of the 28 European Union countries: European Union 28 countries: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, and the United Kingdom

Supplementary Table 2. Female age-specific prevalence estimates of ALS by country per 100,000 population

Country	Survival Rate	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	>85	2015 estimated no. of cases	2040 estimated no. of cases
Africa																	
Libya	3.50	0.00	0.00	2.84	2.84	7.60	7.60	13.16	13.16	7.95	7.95	8.96	8.96	8.96	8.96	95	202
Americas																	
United States	2.42	0.00	0.19	0.19	0.87	0.87	7.21	7.21	14.83	14.83	17.93	17.93	13.41	13.41	13.41	9,179	12,122
Uruguay	4.00	NA	0.84	0.84	2.84	2.84	4.20	4.20	11.60	11.60	10.20	10.20	6.52	6.52	6.52	61	76
Asia																	
China	2.50	0.00	0.35	0.33	0.55	0.30	1.15	1.95	3.53	3.50	5.88	3.80	2.55	3.25	3.25	8,068	12,453
Iran	5.00	0.00	0.85	1.10	1.25	1.45	4.25	5.30	4.55	5.65	7.40	10.55	4.25	0.00	0.00	635	1,293
Japan	2.50	0.00	0.00	0.25	0.25	1.75	1.75	3.75	3.75	7.75	7.75	12.75	12.75	7.25	7.25	2,625	2,873
Taiwan	2.50	0.53	0.43	0.68	1.83	2.70	3.45	3.25	3.75	6.35	5.08	8.00	4.25	2.60	2.60	277	364
Europe																	
EU28*	2.39	0.24	0.96	0.24	0.48	1.91	3.59	5.50	6.69	13.86	16.01	15.54	16.73	9.56	6.21	13,248	15,704
Serbia	2.39	0.67	0.00	0.00	0.00	1.72	1.39	1.24	0.79	7.22	5.19	3.59	NA	NA	NA	52	48
Oceania																	
New Zealand	2.30	0.92	0.92	0.92	0.92	0.92	0.92	8.74	8.74	11.50	11.50	27.83	27.83	11.04	11.04	111	165
Total no. of cases / population															34,352/ 949 million	45,299/ 1.03 billion	

*EU28, region consisting of the 28 European Union countries: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, and the United Kingdom

Supplementary Table 3. Epidemiology studies containing age- and sex-specific incidence data used to calculate the projected number of ALS cases

Study	Country/Region	Crude incidence rate per 100,000	Population size
Fong (2005) ¹	China	0.60	6,708,389
Logroscino (2010) ²	Europe	2.16	23,978,781
Sajjadi (2010) ³	Iran	0.42	4,559,256
Doi (2014) ⁴	Japan	2.20	103,001,116
Radhakrishnan (1986) ⁵	Libya	0.89	518,745
Murphy (2008) ⁶	New Zealand	3.30	520,280
Alčaz (1996) ⁷	Serbia	0.54	1,602,226
Lai (2008) ⁸	Taiwan	1.05	22,770,000
McGuire (1996) ⁹	United States	1.80	2,559,164
Vazquez (2008) ¹⁰	Uruguay	1.37	3,241,003

Supplementary References

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