

Table 1: Midpoint estimate of the prevalence of dysphagia among different causes with upper and lower bounds.

Cause	Associated Global Burden of Disease condition	Lower prevalence rate (%)	Upper prevalence rate (%)	Midpoint prevalence rate (%)
Stroke ¹⁹	Stroke	25	81	53
Alzheimer's disease ¹⁹	Alzheimer's disease and other dementias	7	29	18
Frontotemporal dementia ¹⁹	Alzheimer's disease and other dementias	19	57	38
Parkinson's disease ¹⁹	Parkinson's disease	15	87	51
Multiple sclerosis ¹⁹	Multiple sclerosis	24	34	29
Amyotrophic lateral sclerosis ¹⁹	Motor neurone disease	86	86	86
Reflux disease ¹⁹	Gastroesophageal reflux disease	6	50	28
Head and neck cancer (pre-treatment) ¹⁹	Head and neck cancer	9.2	67	38.1
Head and neck cancer (post-treatment) ¹⁹	Head and neck cancer	23	100	61.5
Oesophageal squamous cell carcinoma ¹⁹	Oesophageal cancer	62	93	77.5
Oesophageal adenocarcinoma ¹⁹	Oesophageal cancer	53	79	66
Anaplastic thyroid cancer ¹⁹	Thyroid cancer	40	40	40
Traumatic brain injury ¹⁰	Traumatic brain injury	27	30	28.5

Table 2: Five-year breakdown of historical dysphagia cases and prevalence.

Year	1990	1995	2000	2005	2010	2015	2019
Number of dysphagia cases	55,162	58,676	63,656	69,253	75,952	82,700	89,253
Dysphagia prevalence rate (%)	1.58	1.58	1.64	1.66	1.73	1.77	1.76

Figure 1: Estimated historical dysphagia prevalence rate and case numbers in Aotearoa New Zealand.

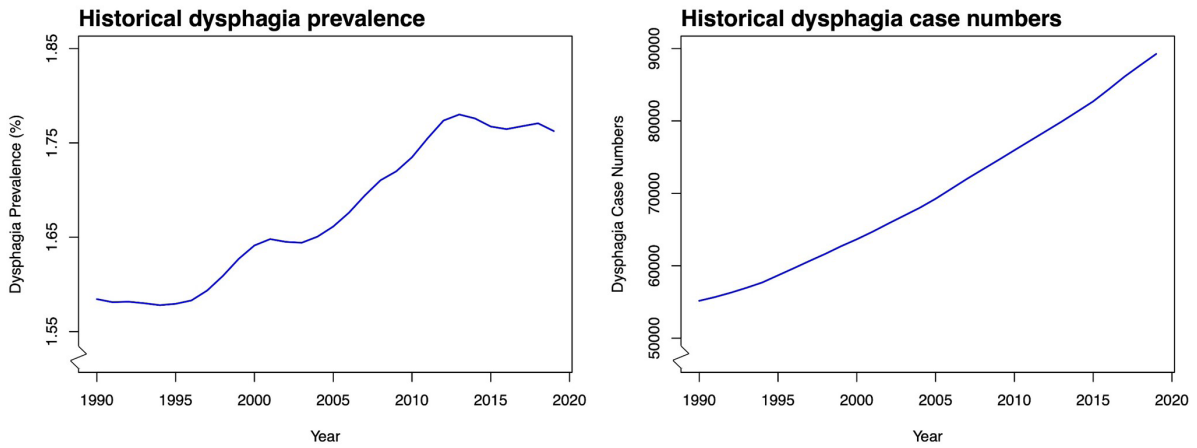


Figure 2: Forecasts of dysphagia prevalence rate and case numbers in Aotearoa New Zealand.

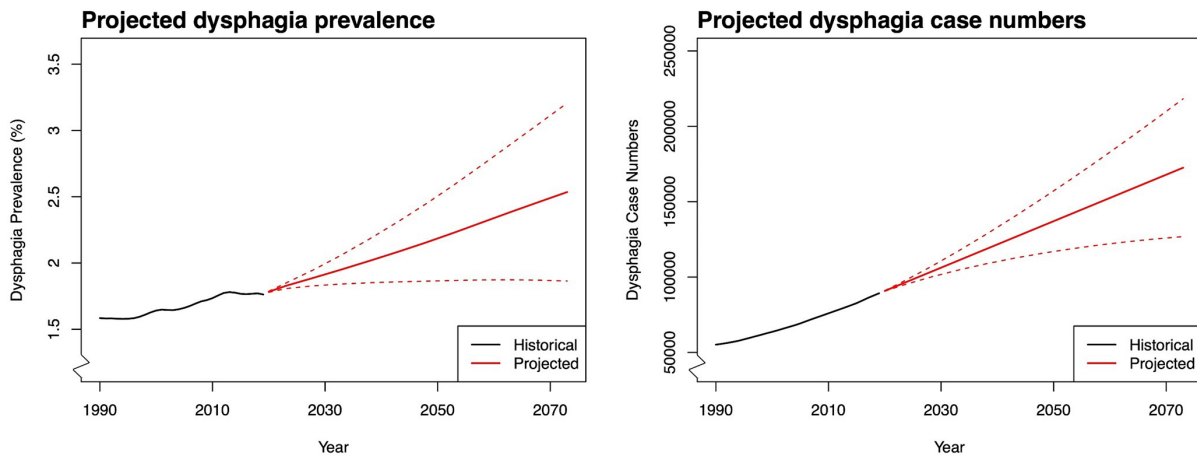


Figure 3: Forecasts of dysphagia prevalence rates and case numbers by model.

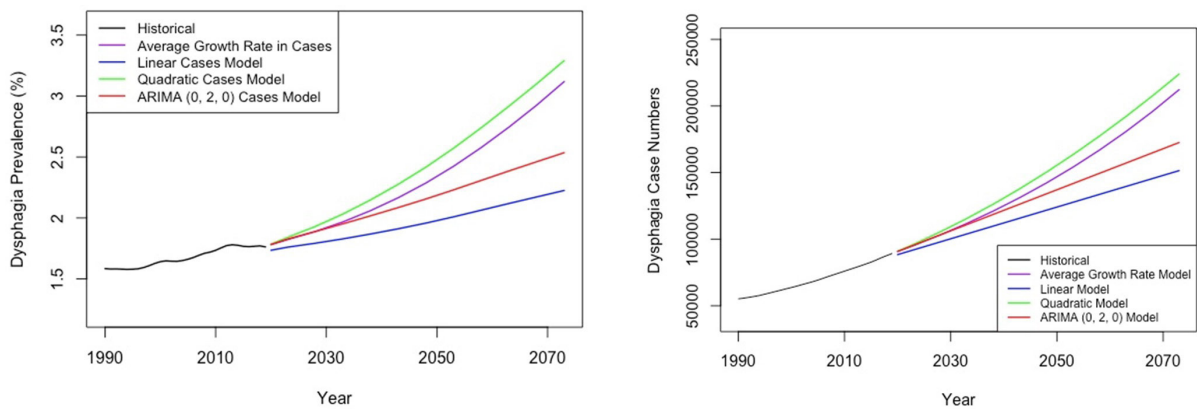


Figure 4: Forecasts of dysphagia prevalence rates and case numbers using ARIMA models on lower, midpoint and upper values of independent variables.

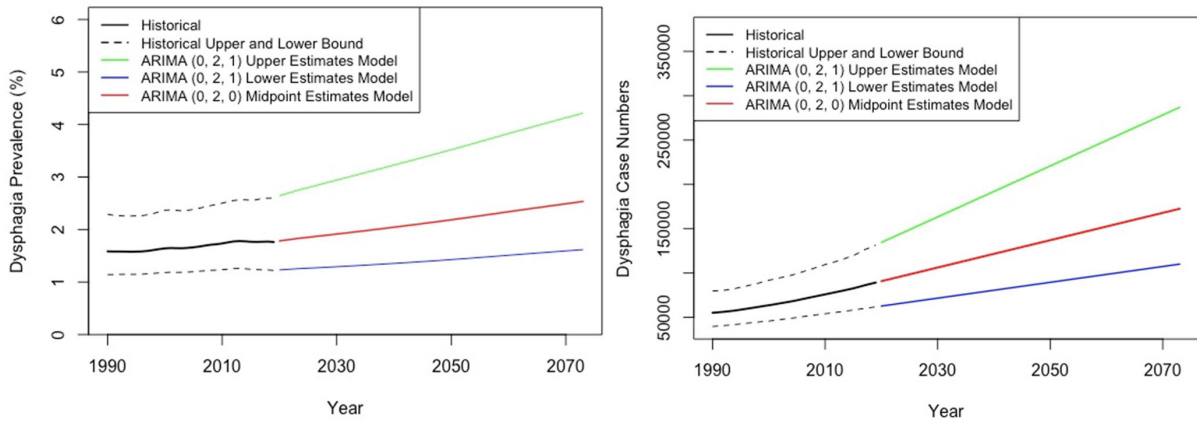


Table 3: ARIMA (0, 2, 0) forecast of dysphagia case numbers and prevalence rate (95% lower and upper bounds in brackets).

Year	2020	2023	2028	2033	2038	2043	2048	2053	2058	2063	2068	2073
Forecasted number of dysphagia cases	90,795 (90,598–90,992)	95,421 (94,344–96,499)	103,132 (99,811–106,453)	110,843 (104,576–117,110)	118,554 (108,777–128,330)	126,264 (112,494–140,035)	133,975 (115,780–152,170)	141,686 (118,673–164,699)	149,397 (121,203–177,590)	157,108 (123,394–190,821)	164,818 (125,266–204,371)	172,529 (126,835–218,224)
Forecasted dysphagia prevalence rate (%)	1.78 (1.78–1.79)	1.83 (1.81–1.85)	1.89 (1.83–1.95)	1.95 (1.84–2.06)	2.02 (1.85–2.18)	2.09 (1.86–2.31)	2.16 (1.86–2.45)	2.23 (1.87–2.60)	2.31 (1.87–2.74)	2.39 (1.87–2.90)	2.46 (1.87–3.05)	2.54 (1.86–3.21)