

Appendix

Appendix Table 1: Forecasted dysphagia case numbers for ARIMA, linear, quadratic and historical growth models.

Year	2020	2023	2028	2033	2038	2043	2048	2053	2058	2063	2068	2073
ARIMA	90,954	96,126	105,373	115,406	126,223	137,824	150,211	163,382	177,338	192,079	207,605	223,915
Linear	88,359	91,930	97,881	103,833	109,785	115,736	121,688	127,639	133,591	139,542	145,494	151,445
Quadratic	90,954	96,126	105,373	115,406	126,223	137,824	150,211	163,382	177,338	192,079	207,605	223,915
Historical growth	90,696	95,167	103,114	111,724	121,054	131,162	142,115	153,982	166,840	180,772	195,867	212,223

Appendix Table 2: Forecasted dysphagia prevalence rates for ARIMA, linear, quadratic and historical growth models.

Year	2020	2023	2028	2033	2038	2043	2048	2053	2058	2063	2068	2073
ARIMA	1.78	1.82	1.89	1.97	2.06	2.17	2.29	2.42	2.58	2.74	2.92	3.12
Linear	1.73	1.76	1.79	1.83	1.87	1.91	1.96	2.01	2.06	2.12	2.17	2.23
Quadratic	1.79	1.84	1.93	2.03	2.15	2.28	2.42	2.57	2.74	2.92	3.1	3.29
Historical growth	1.78	1.82	1.89	1.97	2.06	2.17	2.29	2.42	2.58	2.74	2.92	3.12

Appendix Table 3: Forecasts of dysphagia case numbers and prevalence rates using ARIMA models on midpoint, lower and upper values of independent variables.

Year	2020	2023	2028	2033	2038	2043	2048	2053	2058	2063	2068	2073
Midpoint case numbers forecast (prevalence)	90,795 (1.78%)	95,421 (1.83%)	103,132 (1.89%)	110,843 (1.95%)	118,554 (2.02%)	126,264 (2.09%)	133,975 (2.16%)	141,686 (2.23%)	149,397 (2.31%)	157,108 (2.39%)	164,818 (2.46%)	172,529 (2.54%)
Lower case numbers forecast (prevalence)	55,759 (1.09%)	58,149 (1.11%)	62,134 (1.14%)	66,118 (1.16%)	70,103 (1.19%)	74,087 (1.22%)	78,071 (1.26%)	82,056 (1.29%)	86,040 (1.33%)	90,024 (1.37%)	94,009 (1.40%)	97,993 (1.44%)
Upper case numbers forecast (prevalence)	135,306 (2.66%)	143,907 (2.76%)	158,242 (2.90%)	172,576 (3.04%)	186,911 (3.18%)	201,245 (3.32%)	215,580 (3.47%)	229,914 (3.62%)	244,249 (3.77%)	258,583 (3.93%)	272,918 (4.07%)	287,252 (4.22%)