

**Table S1** - Correlation (and p level) between Gulpease index and ReadIt - DyLanLab grade level

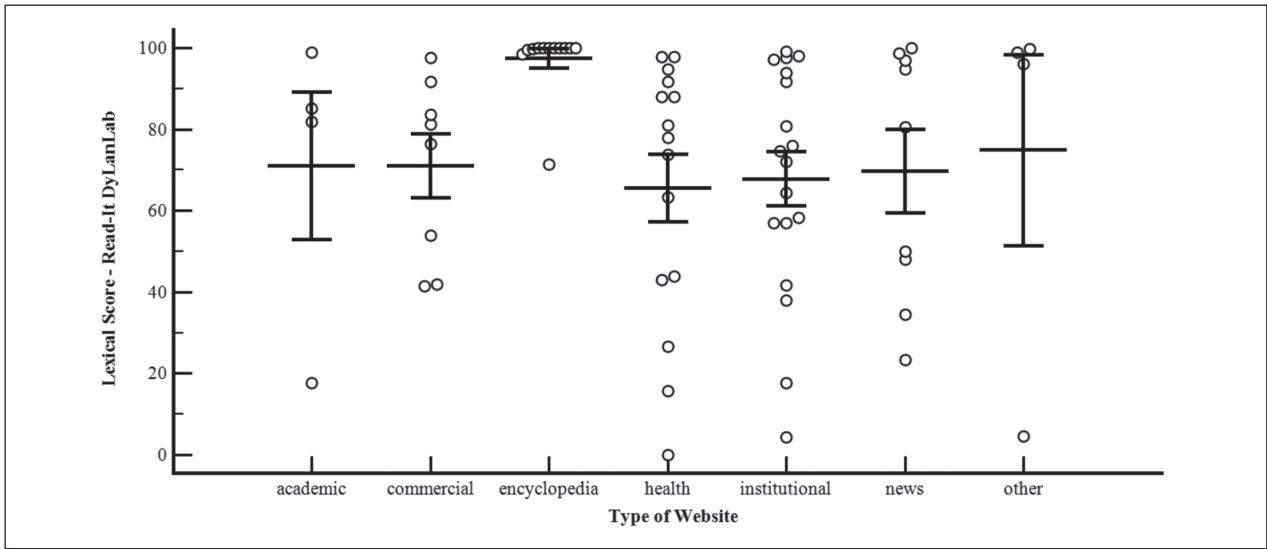
	Base Model	Global Model	Gulpease	Lexical Model
Global Model	0.270 0.0236	-	-	-
Gulpease	-0.903 <0.0001	-0.242 0.0438	-	-
Lexical Model	0.039 0.7509	0.288 0.0156	-0.191 0.1138	-
Syntax Model	0.315 0.0080	0.634 <0.0001	-0.237 0.0480	0.011 0.9298

**Table S2** - Readability indices broken down for the different types of websites

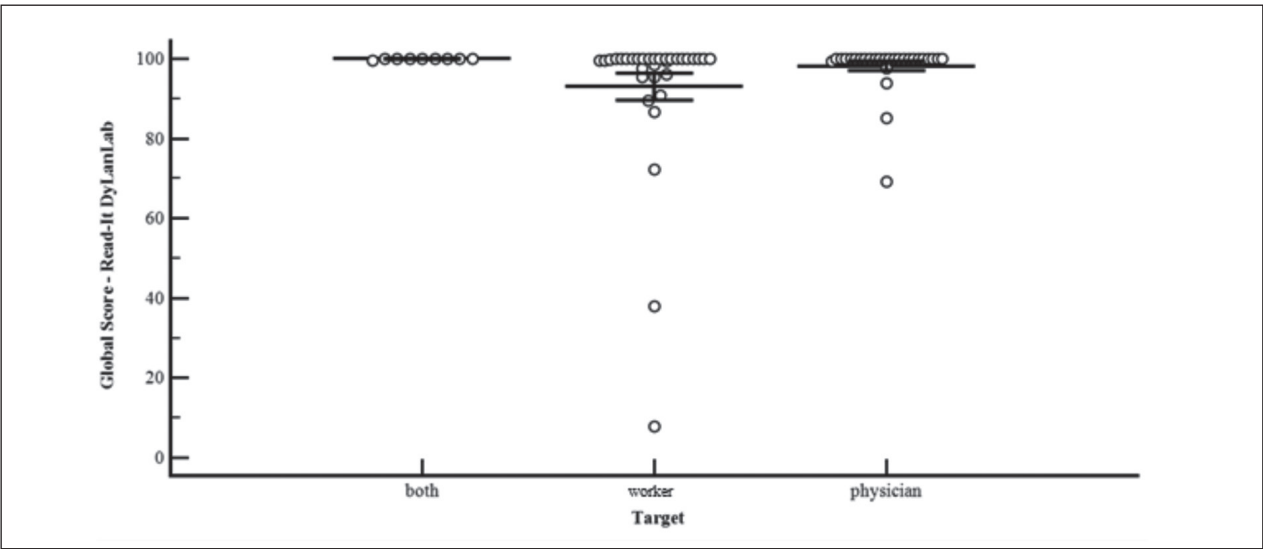
Type of website	Number	Average rank	Minimum	25 <sup>th</sup> percentile	Median	75 <sup>th</sup> percentile	Maximum
<b>Gulpease Index</b>							
Academic	4	20.25	36.3	38.45	42.15	45.1	46.5
Commercial	8	37.94	41.3	42.9	46.15	49.9	56.0
Encyclopedia	12	21.37	34.7	39.6	41.5	44.4	56.4
Health	15	35.37	40.2	43.8	45.9	46.95	52.4
Institutional	18	45.83	39.8	43.2	50.6	60.7	72.5
News	9	37.89	42.1	43.975	46.1	47.175	48.1
Other	4	36.88	42.4	42.85	45.15	48.6	50.2
<b>Base Model - Read-It DyLanLab</b>							
Academic	4	51.13	79.6	88.05	97.55	99.15	99.7
Commercial	8	35.94	10.3	75.4	87.85	98.0	98.7
Encyclopedia	12	43.04	10.3	76.85	96.55	98.65	99.5
Health	15	34.27	40.1	77.425	85.9	94.6	99.0
Institutional	18	25.69	0.7	8.3	48.85	95.8	99.2
News	9	42.89	82.8	87.675	92.5	97.425	98.5
Other	4	28.50	54.1	67.25	84.85	90.8	92.3
<b>Lexical Model - Read-It DyLanLab</b>							
Academic	4	33.63	17.6	49.7	83.5	92.1	99.0
Commercial	8	28.94	41.5	47.95	78.9	87.65	97.6
Encyclopedia	12	60.46	71.3	99.65	100.0	100.0	100.0
Health	15	27.87	0.1	43.225	77.9	90.75	97.9
Institutional	18	28.72	4.3	56.9	73.35	93.8	99.2
News	9	32.56	23.3	44.675	80.5	97.35	100.0
Other	4	41.37	4.6	50.3	97.45	99.3	99.7
<b>Syntax Model - ReadIt DyLanLab</b>							
Academic	4	47.88	40.6	70.300	100.0	100.0	100.0
Commercial	8	33.94	6.1	46.050	97.35	100.0	100.0
Encyclopedia	12	39.42	12.6	87.750	99.1	100.0	100.0
Health	15	26.10	6.1	53.775	70.0	99.075	100.0
Institutional	18	38.14	8.1	89.700	99.0	99.7	100.0
News	9	39.33	11.9	83.575	98.9	100.0	100.0
Other	4	29.25	53.0	74.700	96.65	98.15	99.4
<b>Global Model - ReadIt DyLanLab</b>							
Academic	4	36.75	93.9	96.95	100.0	100.0	100.0
Commercial	8	30.75	95.4	98.55	99.85	100.0	100.0
Encyclopedia	12	39.96	7.8	100.0	100.0	100.0	100.0
Health	15	25.43	38.0	95.575	99.5	100.0	100.0
Institutional	18	39.5	69.2	100.0	100.0	100.0	100.0
News	9	41.56	86.6	100.0	100.0	100.0	100.0
Other	4	36.5	90.8	95.4	100.0	100.0	100.0

**Table S3** - Readability indices broken down for the different targets of websites

Type of website	Number	Average rank	Minimum	25 <sup>th</sup> percentile	Median	75 <sup>th</sup> percentile	Maximum
<b>Gulpease Index</b>							
Both	9	26.89	39.2	41.8	43.3	46.225	46.9
Worker	33	34.06	34.7	42.0	45.9	47.925	69.3
Physician	28	39.96	36.3	42.5	46.25	53.0	72.5
<b>Base Model - Read-It DyLanLab</b>							
Both	9	48.72	87.6	91.85	96.3	97.8	99.5
Worker	33	35.95	2.2	76.6	87.7	97.375	99.4
Physician	28	30.71	0.7	19.2	81.2	96.85	99.7
<b>Lexical Model - Read-It DyLanLab</b>							
Both	9	36.67	23.3	54.7	80.5	98.875	100.0
Worker	33	38.17	0.1	61.05	87.9	99.625	100.0
Physician	28	31.98	4.30	45.95	81.0	97.35	99.7
<b>Syntax Model - Read-It DyLanLab</b>							
Both	9	30.56	12.6	74.925	86.3	99.175	100.0
Worker	33	33.68	6.1	61.725	97.2	100.0	100.0
Physician	28	39.23	8.1	84.15	99.1	100.0	100.0
<b>Global Model - Read-It DyLanLab</b>							
Both	9	42.94	99.5	100.0	100.0	100.0	100.0
Worker	33	30.12	7.8	95.925	100.0	100.0	100.0
Physician	28	39.45	69.2	100.0	100.0	100.0	100.0



**Figure S1** - A box-and-whiskers plot showing the Lexical Model - Read-It DylanLab grade level broken down for the different types of websites



**Figure S2** - A box-and-whiskers plot showing the Global Model - Read-It DyLanLab grade level broken down for the different targets of websites