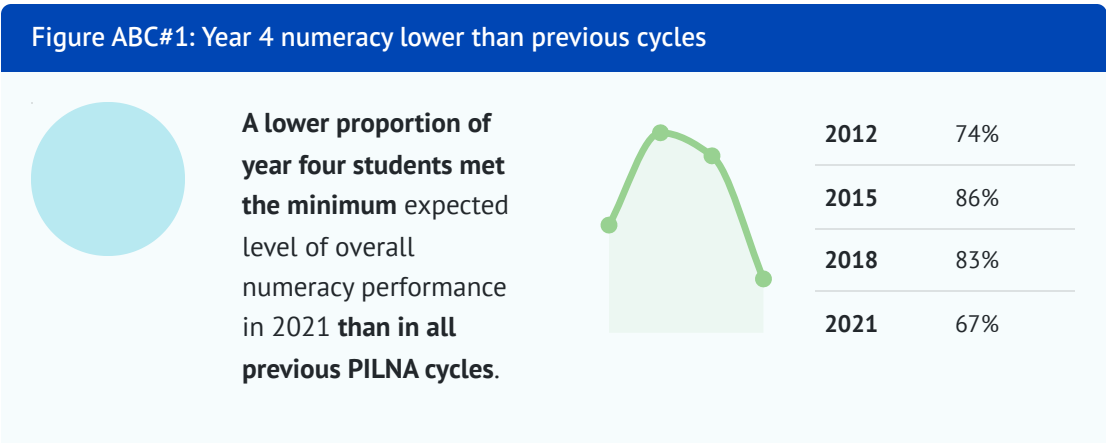


Year 4 numeracy performance

A total of 20,892 year four students took part and was assessed in the PILNA 2021 numeracy assessment. The average overall numeracy performance for these students in 2021 was 478.91 (SD = 71.45).

Figure RNF4.2 shows the average numeracy scores of this group and of year four students from previous PILNA cycles.

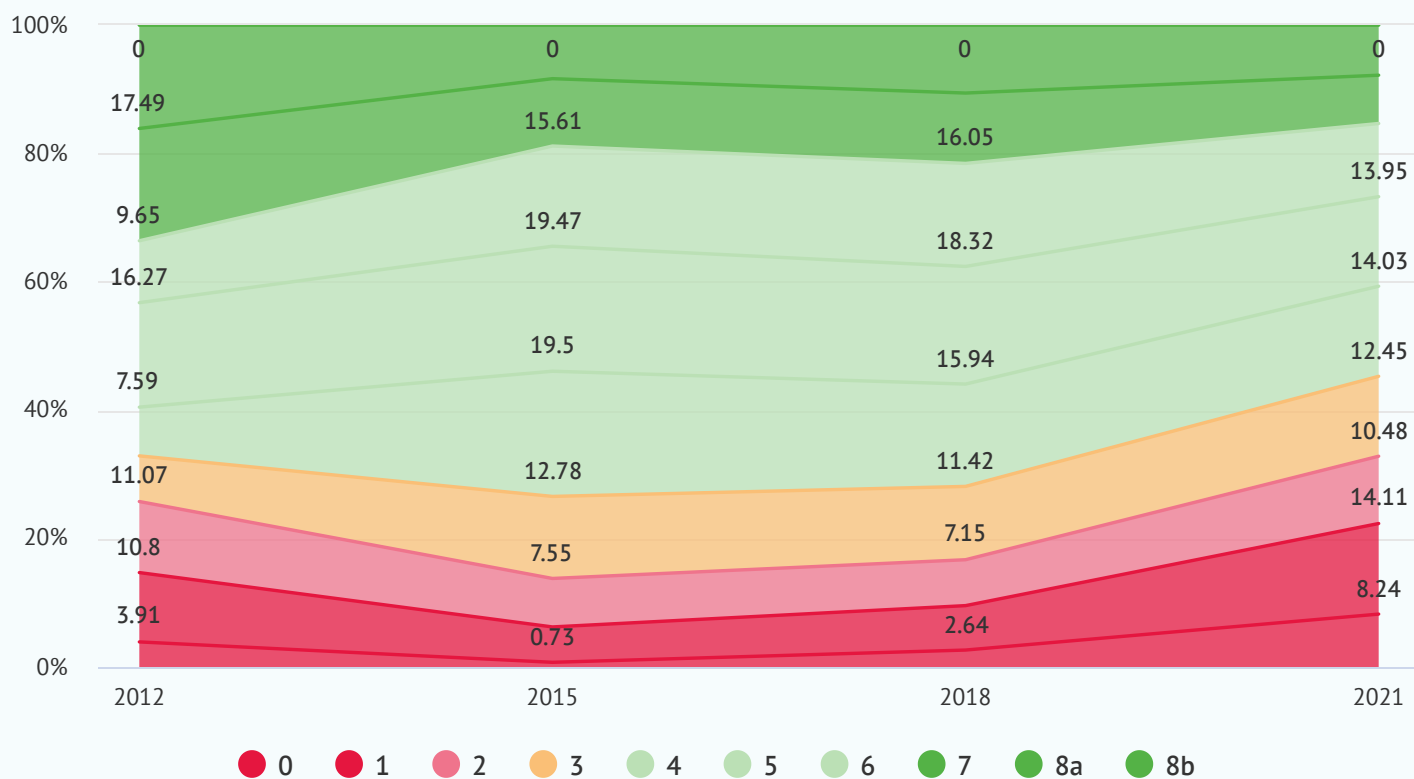


The average overall numeracy score for year four students in 2021 was lower than all previous PILNA cycles. However, the standard deviation for this group was greater than all previous PILNA cycles. This means that the distribution of overall numeracy scores in 2021 was more spread out than in previous PILNA cycles.

More analysis needs to be done to understand whether these differences in scores are statistically significant.

Figure RNF4.2

Year 4 Numeracy distribution by proficiency scores over time



Year	8b	8a	7	6	5	4	3	2	1	0
2012	0	16.12	17.49	9.65	16.27	7.59	7.11	11.07	10.8	3.91
2015	0	8.36	10.49	15.61	19.47	19.5	12.78	7.55	5.51	0.73
2018	0	10.6	10.96	16.05	18.32	15.94	11.42	7.15	6.92	2.64
2021	0	7.82	7.52	11.4	13.95	14.03	12.45	10.48	14.11	8.24

Proficiency scores over time, 2012, 2015, 2018, 2021