

Summary Table 2 updated 31 Jan 17 (for Dx > 592.5)

research group (RG)	n	n subgroup / n group	Dx range	sample mean Dx	95% CI for pop'n mean Dx	median Dx	ABC range	sample mean ABC	95% CI for pop'n mean ABC	median ABC
ND	98	1.00	88 < Dx < 909	449	418 < Dx < 481	425	33 < ABC < 97	67.21	64.5 < ABC < 69.9	67.1
ND-400	43	0.44	88 < Dx < 397	304	284 < Dx < 324	322	44 < ABC < 97	72.31	68.7 < ABC < 76.0	74.0
DNI	17	0.17	597 < Dx < 909	685	649 < Dx < 720	653	45 < ABC < 89	64.92	59.2 < ABC < 70.7	64.0
DI	68	1.00	340 < Dx < 913	650	617 < Dx < 683	676	26 < ABC < 92	58.45	54.8 < ABC < 62.1	56.8
DI-600	46	0.68	593 < Dx < 913	717	697 < Dx < 737	720	26 < ABC < 88	57.89	53.5 < ABC < 62.3	54.8

Summary of results - Dx and ABC

- The summary table speaks for itself but note in particular the closeness of the sample mean Dx for research subgroups DNI and DI-600 - that is, students presenting an unreported, dyslexia-like profile (DNI) and students with identified dyslexia presenting a Dyslexia Index Dx > 592.5. These sample means were tested using Student's t-test for independent sample means and at the 5% level for a one-tail test, the means were found to be NOT significantly different from each other.
- This indicates that for the research purposes of this project, the two subgroups are presenting similar Dyslexia Index values and hence other attributes may be justifiably compared.
- Hence, the mean Academic Behavioural Confidence for these subgroups of particular interest - DNI and DI-600 - presents a statistically significant difference and an effect size of 0.48, which conventionally is regarded as 'moderate'.
- That is, students with an unreported, dyslexia-like profile DO present a significantly higher Academic Behavioural Confidence than their dyslexia-identified peers.