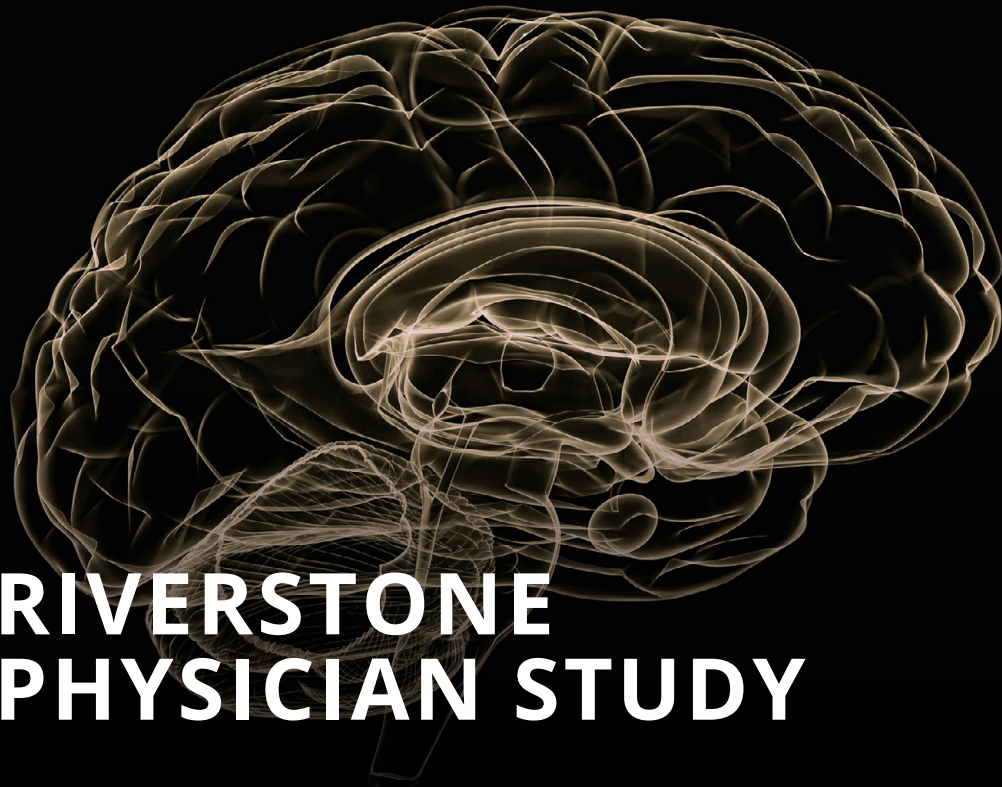




neurozone®



RIVERSTONE PHYSICIAN STUDY



AUGUST 2020

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EXECUTIVE SUMMARY

A total of 11 physicians completed the pre- and post-intervention assessments that consisted of the Neurozone Self-Assessment and the Mayo Well-Being Index (MWBI). The pre-assessment took place in December 2019 where each participant received a personalized report upon completion, as well as personalized coaching from the Elation team. The post-assessment took place between May and July, 2020.

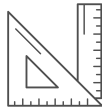
The ages of participants ranged from 32 – 64, with a mean age of 43.36 (SD = 10.10). Medical specialties included Family medicine and Pediatrics. Only the data from physicians who completed both the pre- and post-assessments were included in the analyses.

The table below provides pre- and post-intervention scores. All Neurozone-related scores range from 0 (low) to 100 (high). The MWBI was calculated according to both the 7- and 9-item scales. Due to the small sample size, results from significance testing cannot be accepted due to insufficient statistical power and is therefore not reported on.

Driver/Outcome	Pre-Intervention	Post-Intervention	Score Difference
Exercise	58	66	+ 8
Nutrition	75	73	- 2
Sleep/Wake Cycle	65	63	- 2
Silencing the Mind	27	31	+ 4
Social Safety	82	87	+ 5
Goal-Directedness	77	82	+ 5
Collective Creativity	60	65	+ 5
Learning	76	76	0
Abstraction	72	80	+ 8
Executive Function	51	55	+ 4
Self-Leadership	71	76	+ 5
Innovation Capacity	68	71	+ 3
Learning Capacity	68	71	+ 3
Resilience	70	75	+ 5
Brain-Body Optimization Score	65	68	+ 3
MWBI 7-Item	3	2.1	- 0.9
MWBI 9-Item	2.82	1.64	- 1.18

EXECUTIVE SUMMARY

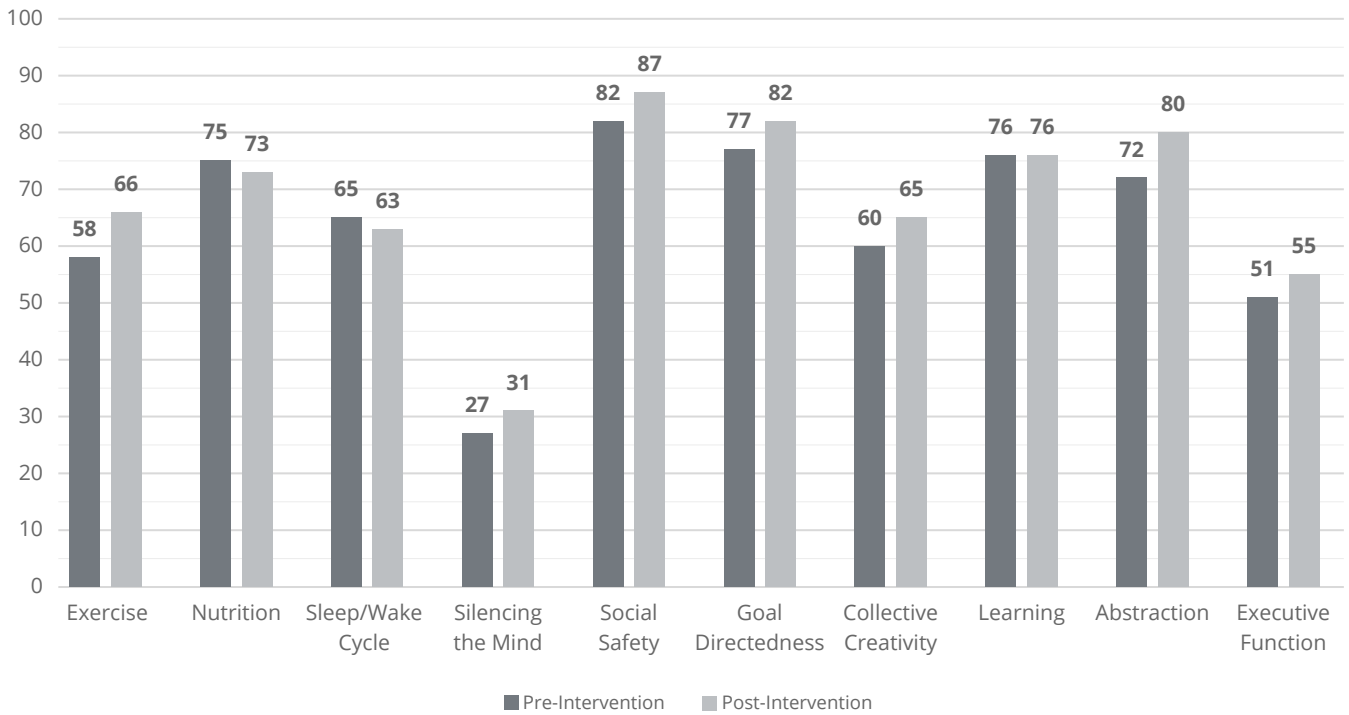
Results show improvements across seven out of ten drivers (Exercise, Silencing the Mind, Social Safety, Goal Directedness, Collective Creativity, Abstraction, and Executive Function), while Learning remained unchanged at 76. The Nutrition and Sleep/Wake Cycle drivers exhibited small decreases between pre- and post-testing. All five Neurozone-related outcomes showed increases in optimization scores (Self-Leadership, Innovation Capacity, Learning Capacity, and Resilience). With regard to the MWBI, both the 7-item and 9-item scales exhibited a decrease in scores following the intervention. The MWBI results are indicative of reduced distress and increased well-being.



RESULTS

DRIVER OUTCOMES

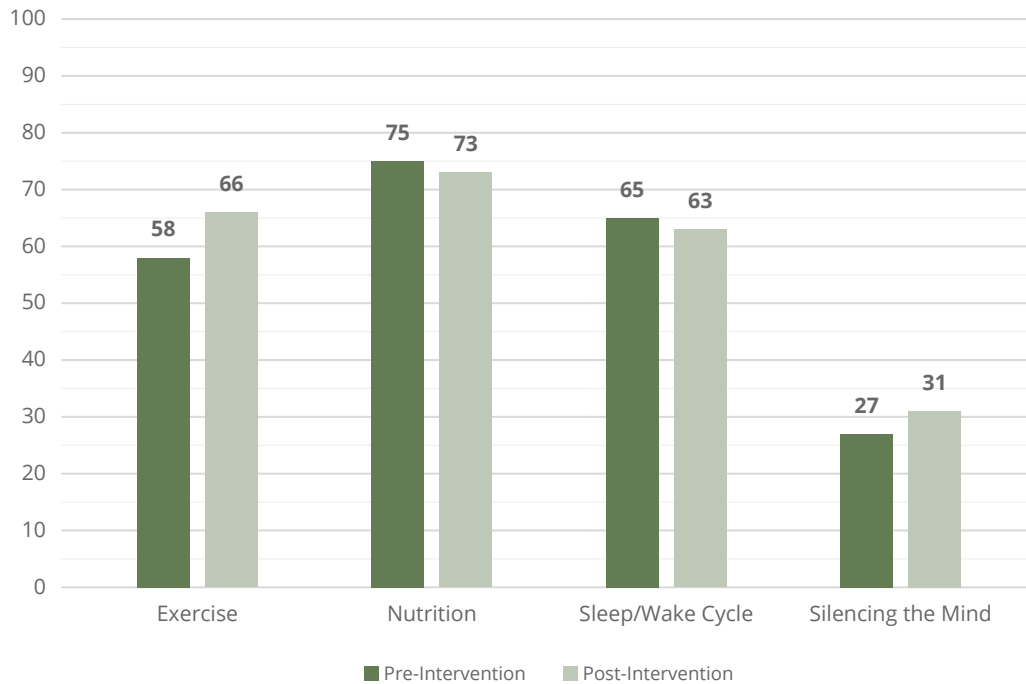
The pre-post intervention results show improvements across seven out of ten drivers. These drivers include Exercise, Silencing the Mind, Social Safety, Goal Directedness, Collective Creativity, Abstraction, and Executive Function. Exercise and Abstraction exhibited the largest increase from 58-66 and 72-80, respectively. The Silencing the Mind driver remains the lowest ranking driver at 31, while Social Safety is the highest ranking driver at 87.



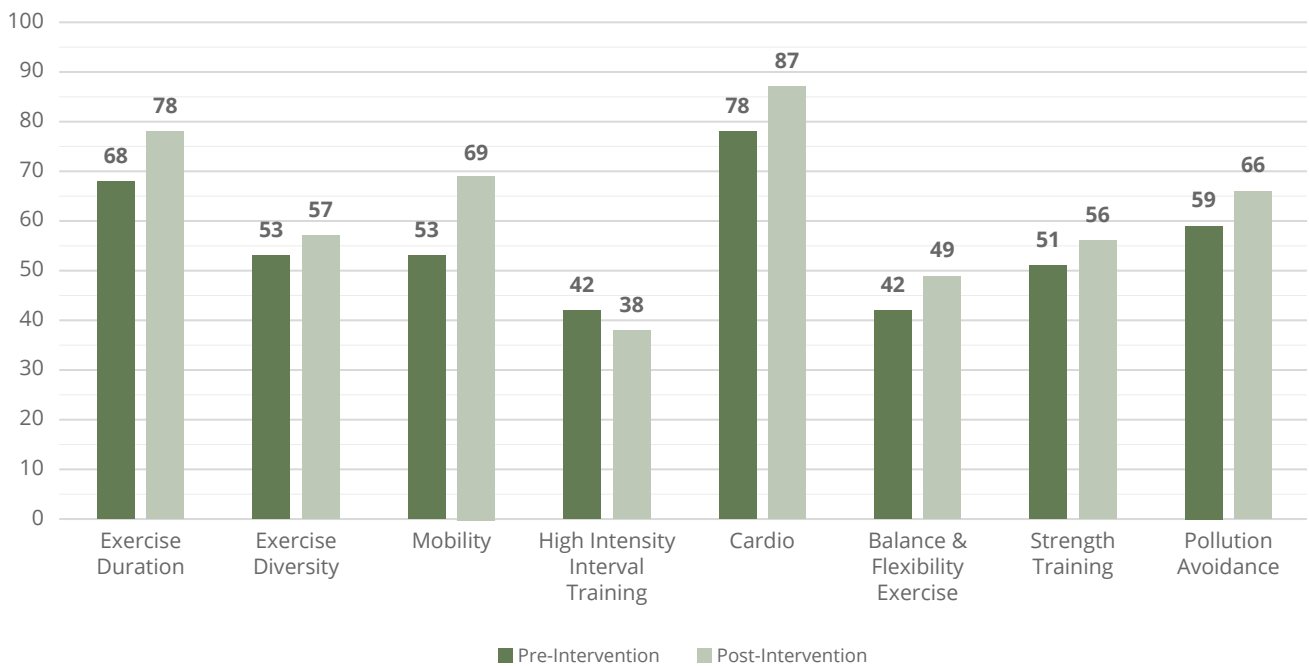
RESULTS

FOUNDATIONAL DRIVERS

Improvements were observed in two of the four Foundational drivers with Exercise exhibiting the largest increase. The Nutrition and Sleep/Wake drivers showed marginal decreases at post-testing. Nutrition has the highest optimization score at 73, while Silencing the Mind has the lowest score at 31.



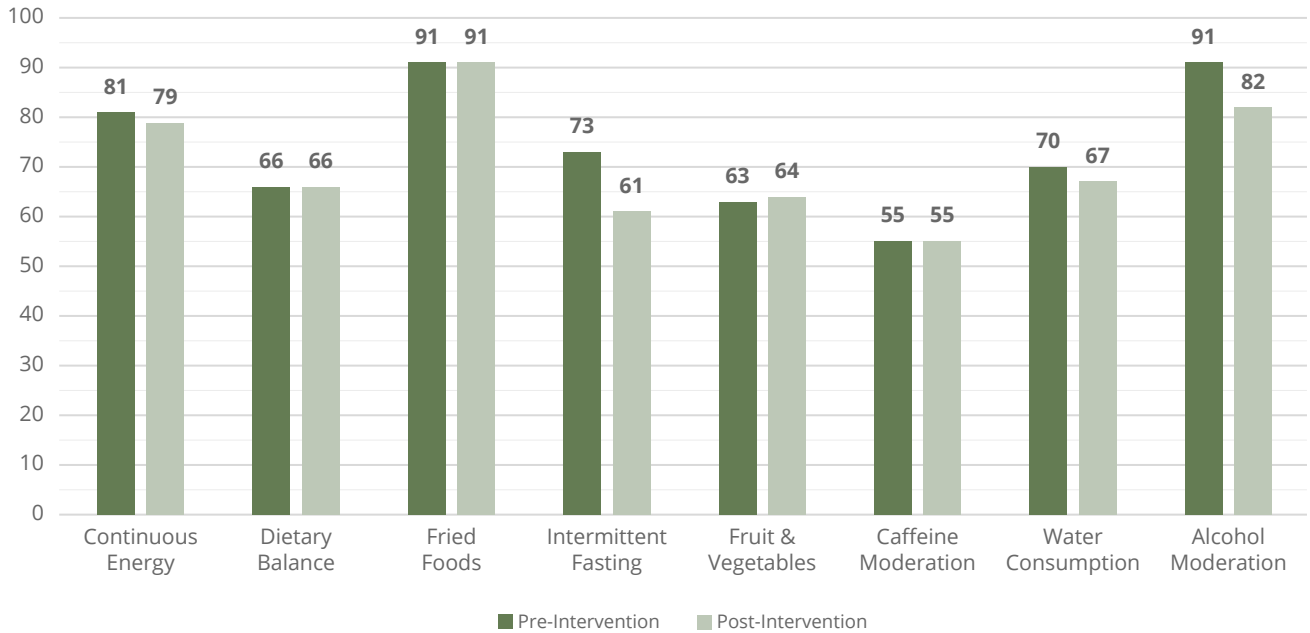
EXERCISE



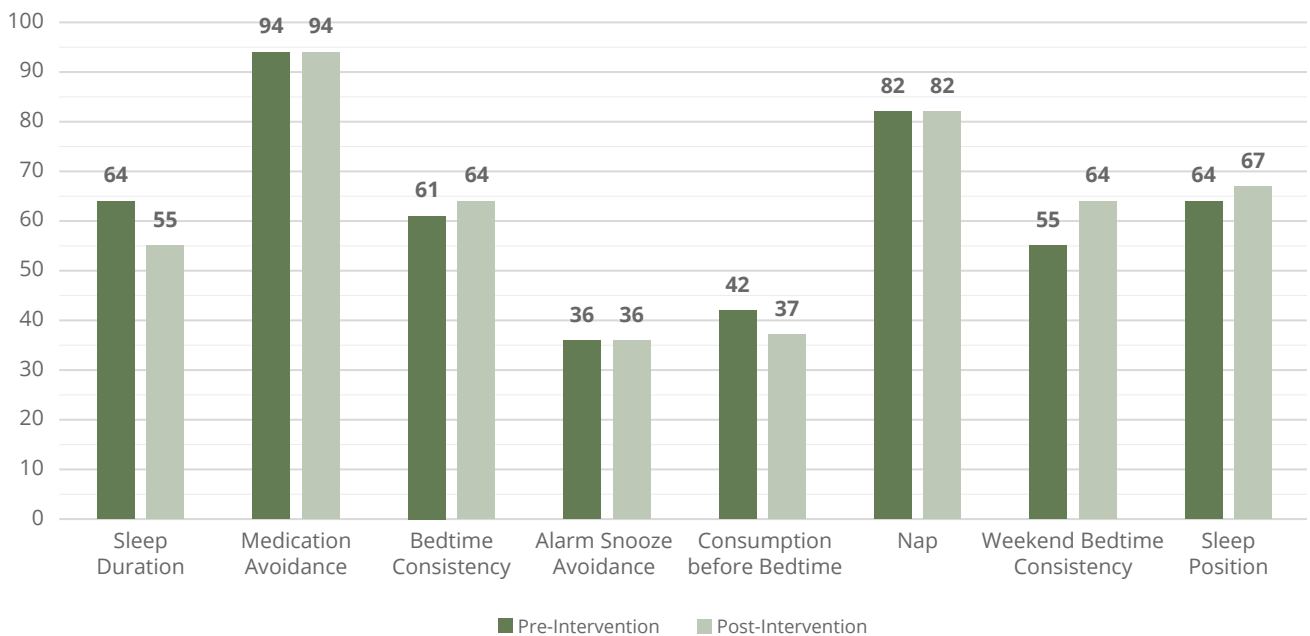
RESULTS



NUTRITION



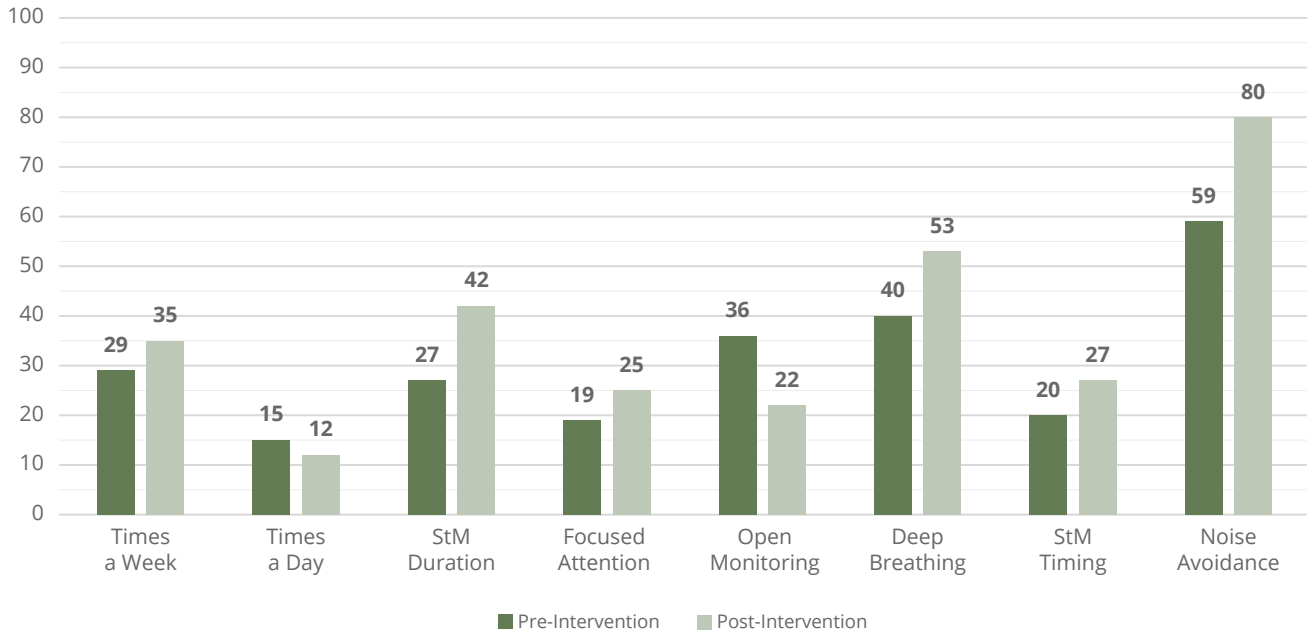
SLEEP/WAKE CYCLE



RESULTS



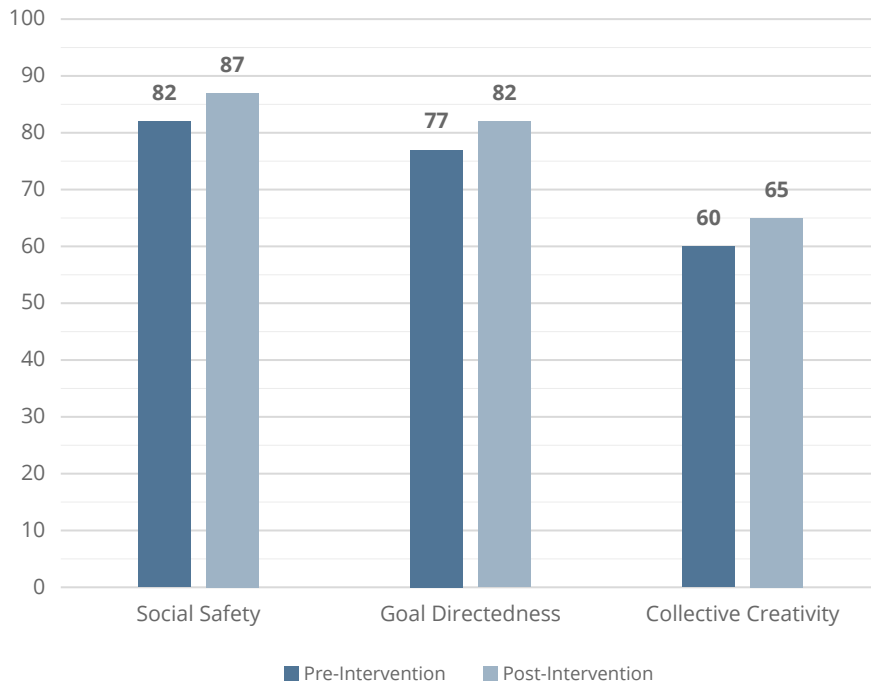
SILENCING THE MIND



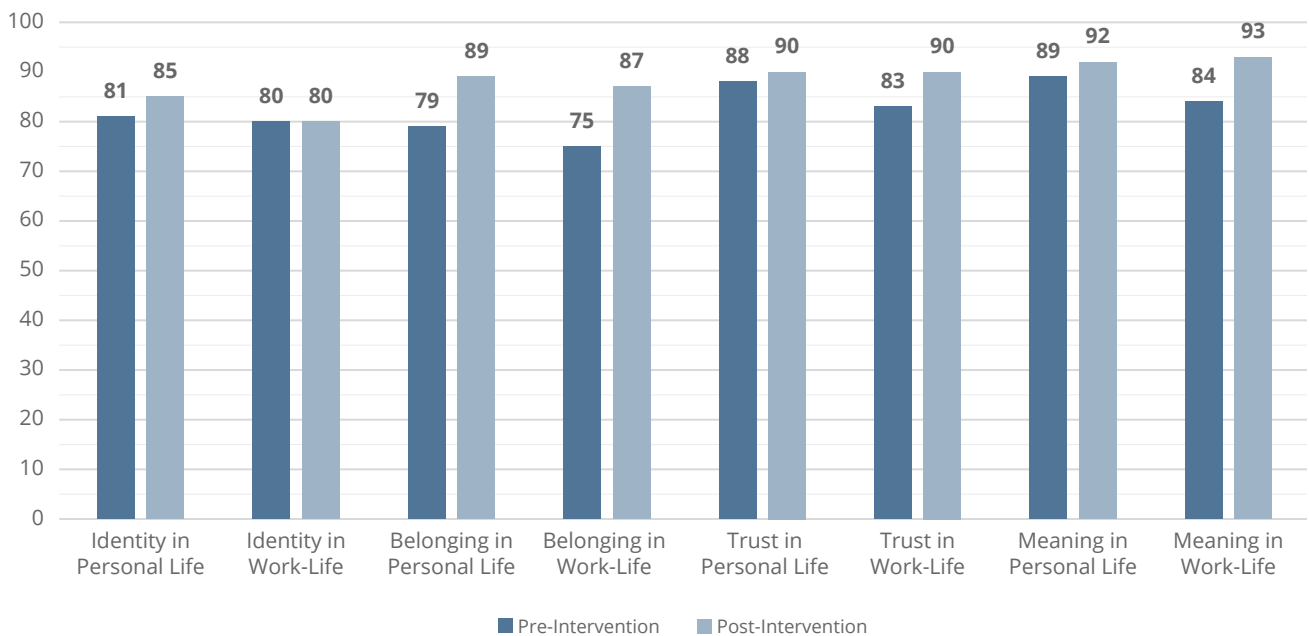
RESULTS

EMOTIONAL DRIVERS

All three Emotional drivers showed large improvements – Social Safety increased from 82-87, Goal-Directedness from 77-82, and Collective Creativity from 60-65. Social Safety has the highest optimization score and Collective Creativity the lowest.



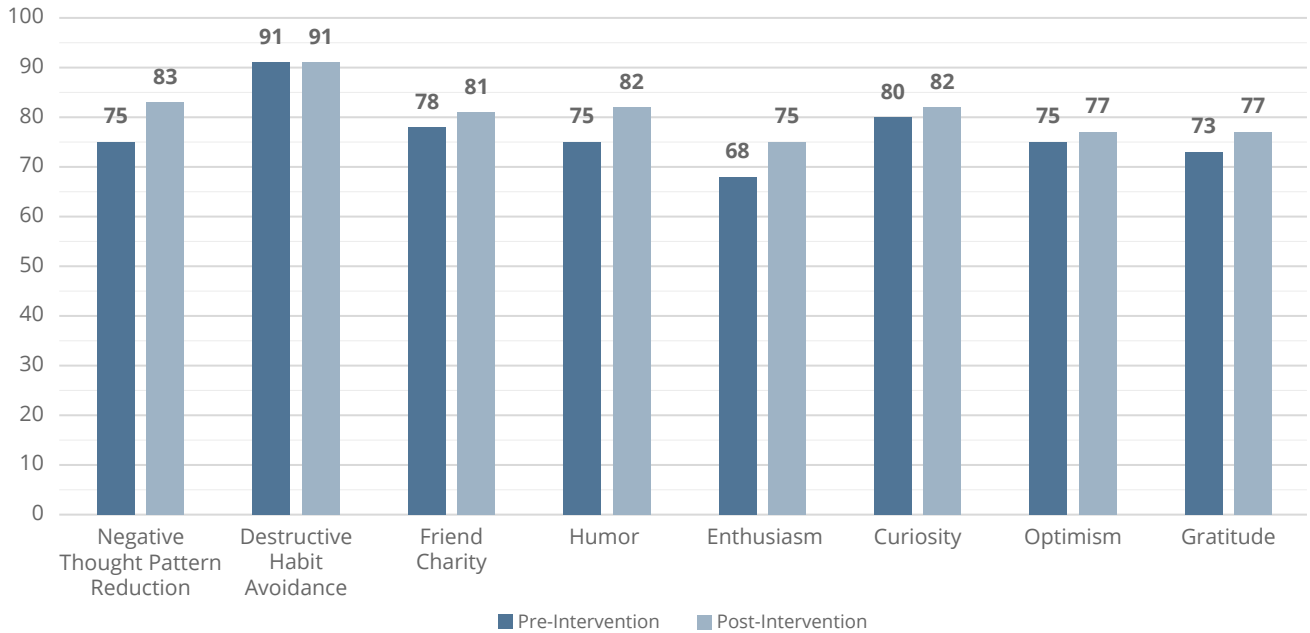
SOCIAL SAFETY



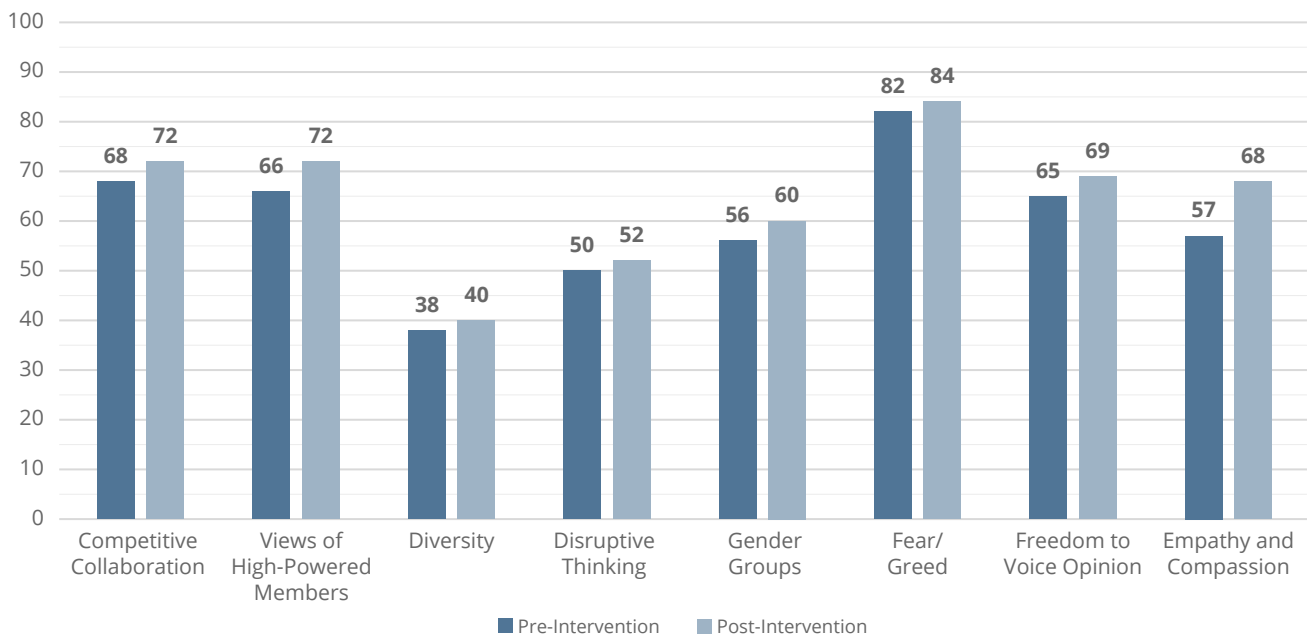
RESULTS



GOAL-DIRECTEDNESS



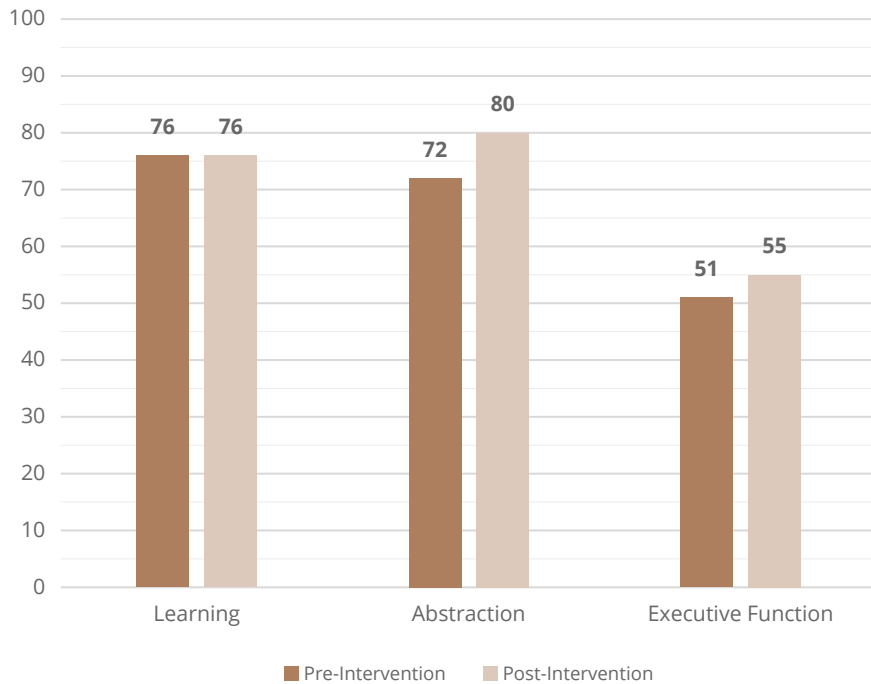
COLLECTIVE CREATIVITY



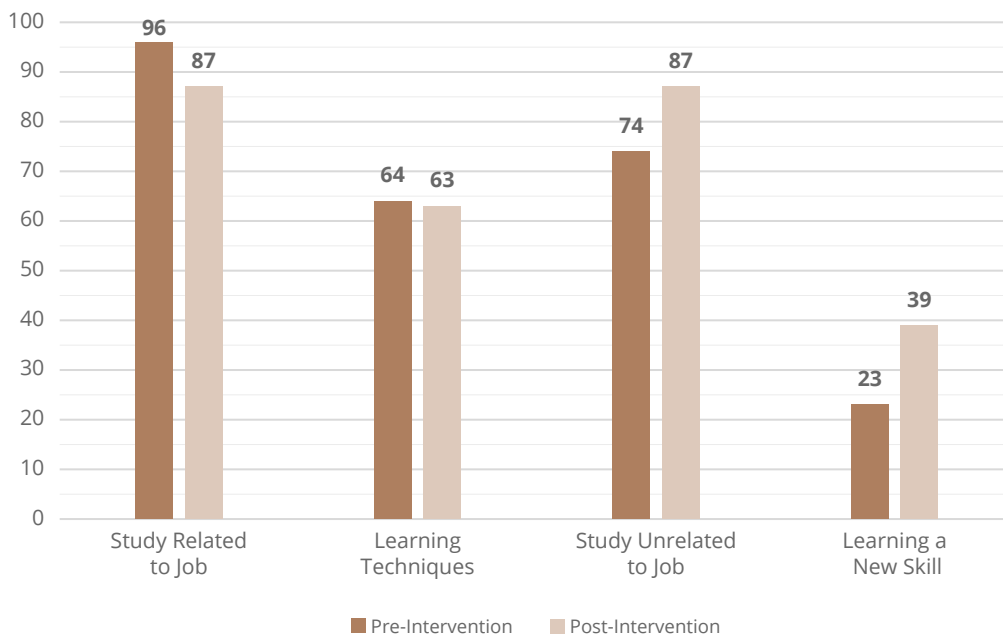
RESULTS

HIGHER-ORDER DRIVERS

Two out of three drivers (Abstraction and Executive function), showed moderate to large improvements in optimization scores from 72-80 and 51-55, respectively. Learning remained unchanged at 76 ranking as the second highest driver after Abstraction with an optimization score of 80.



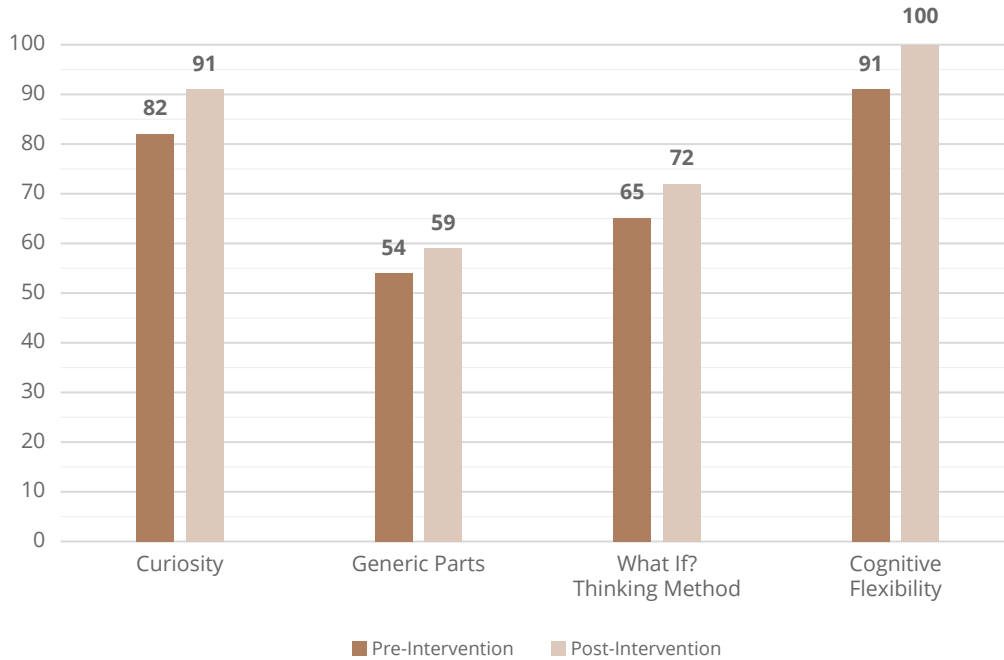
LEARNING



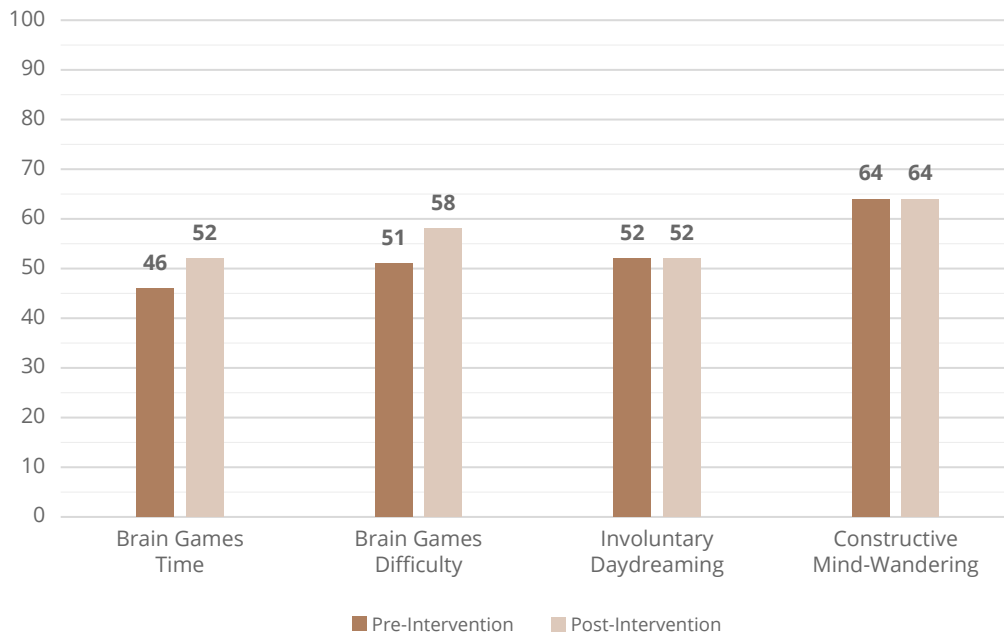
RESULTS



ABSTRACTION



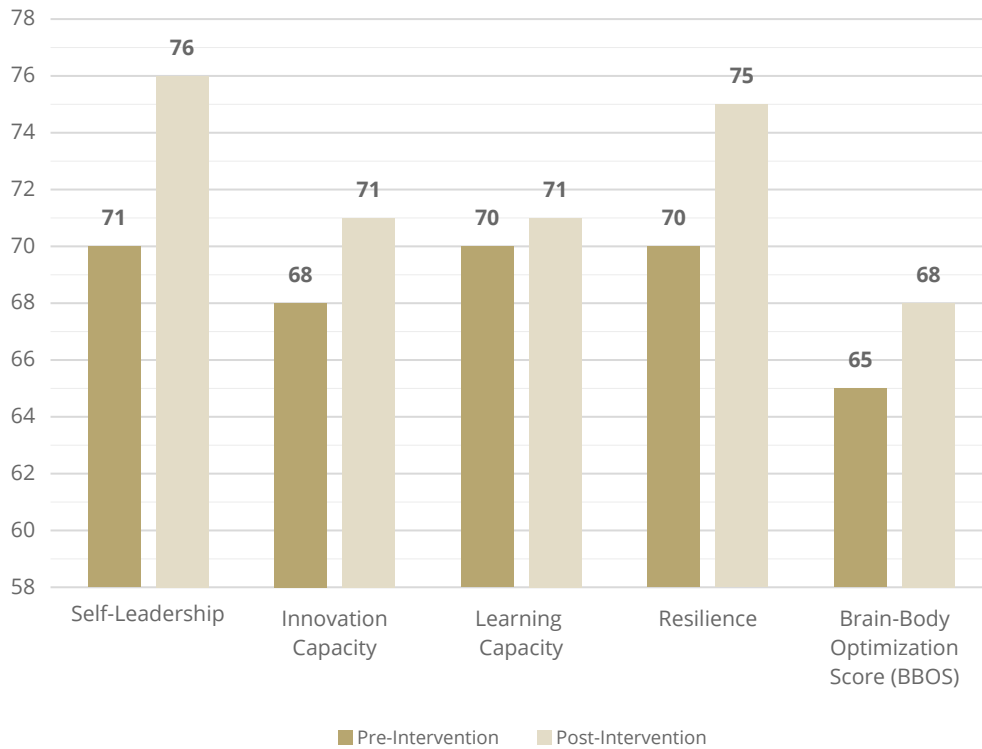
EXECUTIVE FUNCTION



RESULTS

HIGH-PERFORMANCE OUTCOMES

All four High-Performance Outcomes demonstrated improvements, with Self-Leadership and Resilience exhibiting the largest increases from 71-76 and 70-75, respectively. The Brain-Body Optimization score also showed an increase from 65-68.



SELF-LEADERSHIP



INNOVATION CAPACITY



LEARNING CAPACITY



RESILIENCE

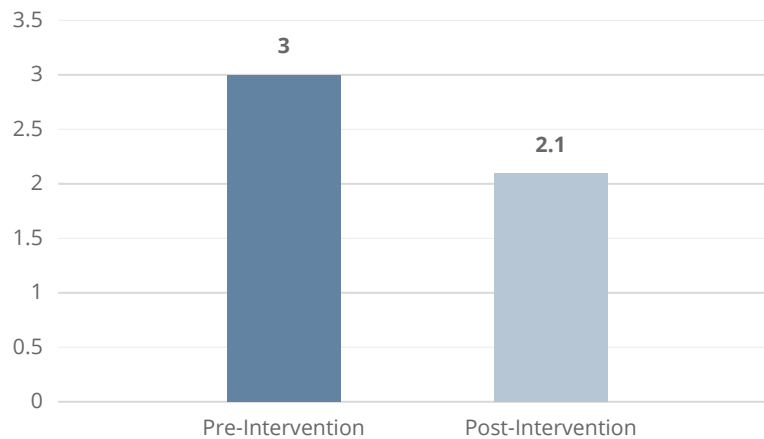


OPTIMIZED BRAIN/BODY SYSTEM

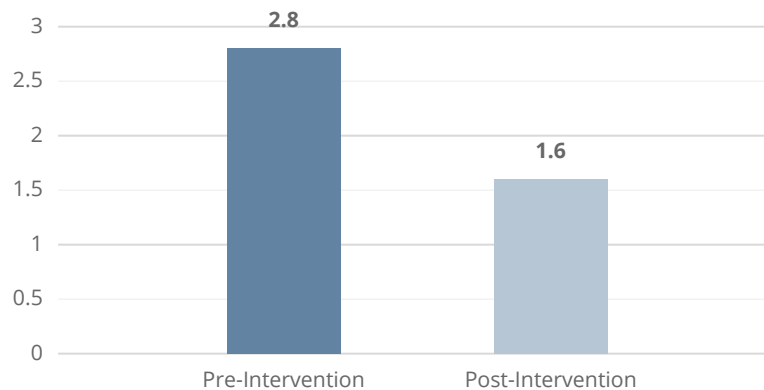
MAYO WELL-BEING INDEX

The MWBI was scored on a 0-7 scale, as well as on a -2-9 scale (7-item vs. 9-item index). Results show decreases in both instances from 3.00 to 2.10 in the case of the 7-item scale, and from 2.82 to 1.64 in the case of the 9-item scale. These results are indicative of reduced distress and increased well-being following the intervention.

Mayo Well-Being Index 7-Item Scale



Mayo Well-Being Index 9-Item Scale



KEY



CONCLUSION

The pre-post intervention results show that there were improvements across seven drivers (Exercise, Silencing the Mind, Social Safety, Goal-Directedness, Collective Creativity, Abstraction, Executive Function), as well as all five Neurozone-related outcomes (Self-Leadership, Innovation Capacity, Learning Capacity, Resilience, Brain-Body Optimization score). Results also showed a decrease in the MWBI scores. Taken together, these results provide strong evidence for the efficacy of the intervention by the Elation team to increase high-performance capacities and to reduce levels of distress in physicians.

Thank you for providing Neurozone with the opportunity to conduct this study. Please feel free to contact us should there be any questions or concerns.

Kind regards,

Neurozone® Reporting Team

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