

Table S1 Items of the Strengths and Difficulties Questionnaire

SDQ Subscales	Items	Reference name
Conduct problems	5. I get very angry and often lose my temper	Irritability
	7. I usually do as I am told	Disobedient
	12. I fight a lot. I can make other people do what I want	Fights
	18. I am often accused of lying or cheating	Lies
	22. I take things that are not mine from home, school or elsewhere	Stealing
Emotional problems	3. I get a lot of headaches, stomach-aches or sickness	Somatic
	8. I worry a lot	Worries
	13. I am often unhappy, down-hearted or tearful	Unhappy
	16. I am nervous in new situations. I easily lose confidence	Nervous
	24. I have many fears, I am easily scared	Fears
Hyperactivity	2. I am restless, I cannot stay still for long	Restless
	10. I am constantly fidgeting or squirming	Fidgety
	15. I am easily distracted, I find it difficult to concentrate	Distractible
	21. I think before I do things	Reckless
	25. I finish the work I'm doing. My attention is good	Nonpersistent
Peer problems	6. I am usually on my own. I generally play alone or keep to myself	Solitary
	11. I have one good friend or more	No friend
	14. Other people my age generally like me	Unpopular
	19. Other children or young people pick on me or bully me	Being bullied
	23. I get on better with adults than with people my own age	Prefer adults

Abbreviation: SDQ, the Strengths and Difficulties Questionnaire.

Table S2 Estimated edge weights during the school closure

	Suicide	Loneliness	Irritability	Disobedient	Fights	Lies	Stealing	Somatic	Worries	Unhappy	Nervous	Fears	Restless	Fidgety	Distractible	Reckless	Nonpersistent	Solitary	No friend	Unpopular	Being bullied	Prefer adults
Suicide	NA	0.22	0.05	0.01	-0.04	0.02	NA	0.11	0.03	0.27	-0.03	0.01	-0.05	NA	NA	NA	0.09	NA	NA	0.01	NA	-0.04
Loneliness	0.22	NA	NA	NA	-0.01	NA	-0.02	NA	0.10	0.20	NA	0.09	0.02	0.04	NA	NA	0.04	0.17	0.01	0.10	NA	NA
Irritability	0.05	NA	NA	0.06	0.10	0.08	NA	0.10	0.06	0.10	NA	0.04	0.09	0.14	0.05	0.07	NA	0.05	NA	NA	NA	NA
Disobedient	0.01	NA	0.06	NA	0.02	0.03	0.12	-0.02	-0.06	NA	-0.09	-0.03	0.03	0.04	NA	0.10	0.11	-0.08	0.09	0.06	-0.03	-0.04
Fights	-0.04	-0.01	0.10	0.02	NA	NA	0.21	NA	NA	0.11	-0.04	NA	0.05	0.08	0.03	NA	-0.03	NA	-0.09	-0.08	0.07	0.03
Lies	0.02	NA	0.08	0.03	NA	NA	0.24	-0.01	-0.02	0.02	-0.03	-0.02	0.04	0.01	0.13	0.07	0.04	0.02	NA	-0.02	0.31	-0.06
Stealing	NA	-0.02	NA	0.12	0.21	0.24	NA	0.02	NA	0.03	NA	0.08	NA	NA	-0.07	0.03	-0.07	NA	0.16	-0.06	0.29	0.17
Somatic	0.11	NA	0.10	-0.02	NA	-0.01	0.02	NA	0.06	0.12	0.01	0.05	0.03	0.10	NA	NA	0.02	-0.01	0.01	-0.01	0.03	NA
Worries	0.03	0.10	0.06	-0.06	NA	-0.02	NA	0.06	NA	0.29	0.13	0.15	NA	0.27	0.01	-0.06	0.03	0.05	NA	0.02	-0.01	NA
Unhappy	0.27	0.20	0.10	NA	0.11	0.02	0.03	0.12	0.29	NA	0.04	0.09	NA	0.13	NA	NA	-0.03	0.05	0.04	NA	0.07	-0.02
Nervous	-0.03	NA	NA	-0.09	-0.04	-0.03	NA	0.01	0.13	0.04	NA	0.25	-0.04	0.03	0.25	NA	0.04	0.06	-0.04	0.07	NA	-0.04
Fears	0.01	0.09	0.04	-0.03	NA	-0.02	0.08	0.05	0.15	0.09	0.25	NA	-0.02	0.09	0.04	NA	NA	NA	-0.01	NA	0.11	0.01
Restless	-0.05	0.02	0.09	0.03	0.05	0.04	NA	0.03	NA	NA	-0.04	-0.02	NA	0.19	0.23	0.06	NA	-0.07	NA	0.02	NA	0.03
Fidgety	NA	0.04	0.14	0.04	0.08	0.01	NA	0.10	0.27	0.13	0.03	0.09	0.19	NA	0.09	NA	NA	0.02	-0.02	NA	0.03	NA
Distractible	NA	NA	0.05	NA	0.03	0.13	-0.07	NA	0.01	NA	0.25	0.04	0.23	0.09	NA	NA	0.38	NA	-0.10	-0.10	NA	0.06
Reckless	NA	NA	0.07	0.10	NA	0.07	0.03	NA	-0.06	NA	NA	NA	0.06	NA	NA	NA	0.33	-0.04	0.13	0.11	0.02	-0.08
Nonpersistent	0.09	0.04	NA	0.11	-0.03	0.04	-0.07	0.02	0.03	-0.03	0.04	NA	NA	NA	0.38	0.33	NA	NA	0.04	0.20	-0.04	-0.18
Solitary	NA	0.17	0.05	-0.08	NA	0.02	NA	-0.01	0.05	0.05	0.06	NA	-0.07	0.02	NA	-0.04	NA	NA	0.05	0.08	0.07	-0.05
No friend	NA	0.01	NA	0.09	-0.09	NA	0.16	0.01	NA	0.04	-0.04	-0.01	NA	-0.02	-0.10	0.13	0.04	0.05	NA	0.13	0.08	NA
Unpopular	0.01	0.10	NA	0.06	-0.08	-0.02	-0.06	-0.01	0.02	NA	0.07	NA	0.02	NA	-0.10	0.11	0.20	0.08	0.13	NA	0.08	-0.04
Being bullied	NA	NA	NA	-0.03	0.07	0.31	0.29	0.03	-0.01	0.07	NA	0.11	NA	0.03	NA	0.02	-0.04	0.07	0.08	0.08	NA	0.03
Prefer adults	-0.04	NA	NA	-0.04	0.03	-0.06	0.17	NA	NA	-0.02	-0.04	0.01	0.03	NA	0.06	-0.08	-0.18	-0.05	NA	-0.04	0.03	NA

Table S3 Estimated edge weights during the school reopening

	Suicide	Loneliness	Irritability	Disobedient	Fights	Lies	Stealing	Somatic	Worries	Unhappy	Nervous	Fears	Restless	Fidgety	Distractible	Reckless	Nonpersistent	Solitary	No friend	Unpopular	Being bullied	Prefer adults
Suicide	NA	0.20	0.07	0.03	-0.05	0.05	-0.04	0.06	0.02	0.17	NA	0.07	-0.03	0.03	NA	NA	0.08	NA	NA	-0.02	NA	-0.07
Loneliness	0.20	NA	-0.01	NA	NA	0.01	-0.05	NA	0.08	0.23	0.02	0.07	0.02	0.01	0.02	0.03	NA	0.20	0.06	0.12	0.01	NA
Irritability	0.07	-0.01	NA	0.03	0.13	0.08	-0.03	0.10	0.06	0.10	-0.01	0.07	0.07	0.18	NA	0.07	-0.01	0.01	0.02	0.04	NA	NA
Disobedient	0.03	NA	0.03	NA	0.08	0.04	0.07	NA	-0.09	0.01	-0.09	NA	0.03	0.02	-0.01	0.09	0.13	-0.05	0.10	0.05	-0.04	-0.09
Fights	-0.05	NA	0.13	0.08	NA	0.13	0.16	-0.01	NA	0.07	-0.04	-0.02	0.07	0.05	NA	-0.02	-0.06	0.03	-0.04	-0.13	0.02	0.01
Lies	0.05	0.01	0.08	0.04	0.13	NA	0.21	NA	-0.01	NA	NA	NA	0.08	0.03	0.07	0.08	0.03	NA	NA	0.01	0.28	NA
Stealing	-0.04	-0.05	-0.03	0.07	0.16	0.21	NA	NA	-0.05	0.06	-0.01	0.10	0.08	NA	0.03	0.08	-0.15	0.01	0.18	-0.04	0.28	0.06
Somatic	0.06	NA	0.10	NA	-0.01	NA	NA	NA	0.08	0.11	0.01	0.11	0.04	0.08	NA	NA	NA	0.01	-0.02	-0.04	0.01	-0.02
Worries	0.02	0.08	0.06	-0.09	NA	-0.01	-0.05	0.08	NA	0.27	0.13	0.13	NA	0.27	0.07	-0.07	0.05	0.07	NA	NA	NA	-0.01
Unhappy	0.17	0.23	0.10	0.01	0.07	NA	0.06	0.11	0.27	NA	0.02	0.11	-0.03	0.13	NA	NA	-0.01	0.06	0.04	NA	0.09	NA
Nervous	NA	0.02	-0.01	-0.09	-0.04	NA	-0.01	0.01	0.13	0.02	NA	0.24	-0.02	0.03	0.18	-0.01	0.09	0.04	-0.07	0.06	NA	-0.04
Fears	0.07	0.07	0.07	NA	-0.02	NA	0.10	0.11	0.13	0.11	0.24	NA	-0.02	0.07	0.03	-0.02	NA	NA	-0.01	-0.01	0.08	0.04
Restless	-0.03	0.02	0.07	0.03	0.07	0.08	0.08	0.04	NA	-0.03	-0.02	-0.02	NA	0.18	0.21	0.06	0.05	-0.08	-0.05	NA	0.02	0.01
Fidgety	0.03	0.01	0.18	0.02	0.05	0.03	NA	0.08	0.27	0.13	0.03	0.07	0.18	NA	0.14	-0.01	0.02	0.02	NA	-0.02	NA	NA
Distractible	NA	0.02	NA	-0.01	NA	0.07	0.03	NA	0.07	NA	0.18	0.03	0.21	0.14	NA	NA	0.35	0.03	-0.11	-0.06	-0.01	0.04
Reckless	NA	0.03	0.07	0.09	-0.02	0.08	0.08	NA	-0.07	NA	-0.01	-0.02	0.06	-0.01	NA	NA	0.33	-0.04	0.06	0.10	0.02	-0.06
Nonpersistent	0.08	NA	-0.01	0.13	-0.06	0.03	-0.15	NA	0.05	-0.01	0.09	NA	0.05	0.02	0.35	0.33	NA	-0.04	0.10	0.17	-0.02	-0.20
Solitary	NA	0.20	0.01	-0.05	0.03	NA	0.01	0.01	0.07	0.06	0.04	NA	-0.08	0.02	0.03	-0.04	-0.04	NA	0.13	0.13	0.11	-0.02
No friend	NA	0.06	0.02	0.10	-0.04	NA	0.18	-0.02	NA	0.04	-0.07	-0.01	-0.05	NA	-0.11	0.06	0.10	0.13	NA	0.16	0.06	NA
Unpopular	-0.02	0.12	0.04	0.05	-0.13	0.01	-0.04	-0.04	NA	NA	0.06	-0.01	NA	-0.02	-0.06	0.10	0.17	0.13	0.16	NA	0.07	NA
Being bullied	NA	0.01	NA	-0.04	0.02	0.28	0.28	0.01	NA	0.09	NA	0.08	0.02	NA	-0.01	0.02	-0.02	0.11	0.06	0.07	NA	0.07
Prefer adults	-0.07	NA	NA	-0.09	0.01	NA	0.06	-0.02	-0.01	NA	-0.04	0.04	0.01	NA	0.04	-0.06	-0.20	-0.02	NA	NA	0.07	NA



Figure S1 Stability of Edge Weights at two stages

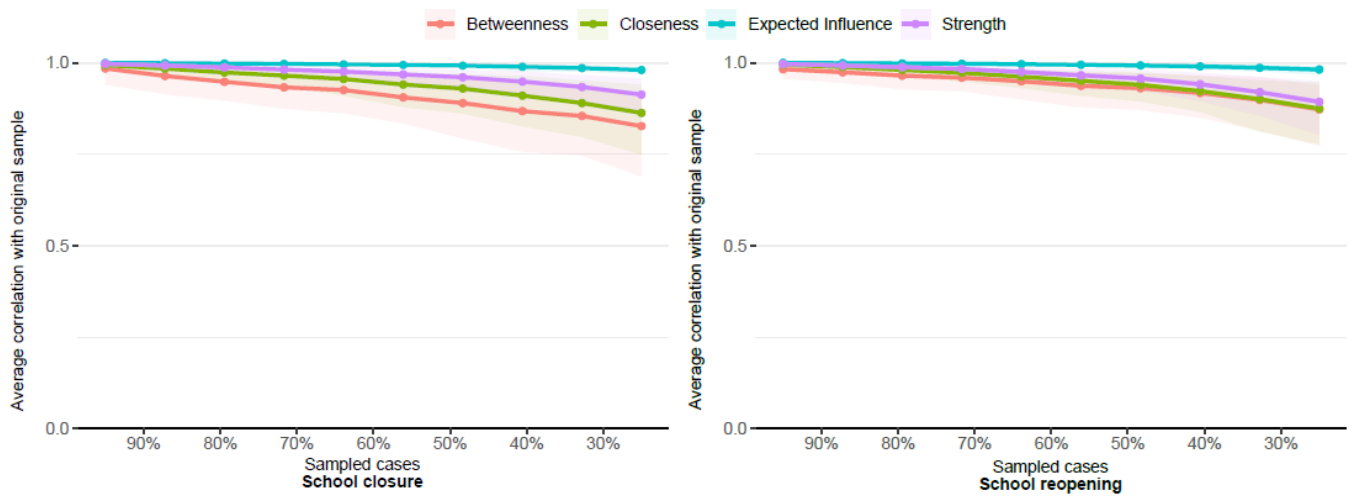


Figure S2 Stability of network structure at two stages