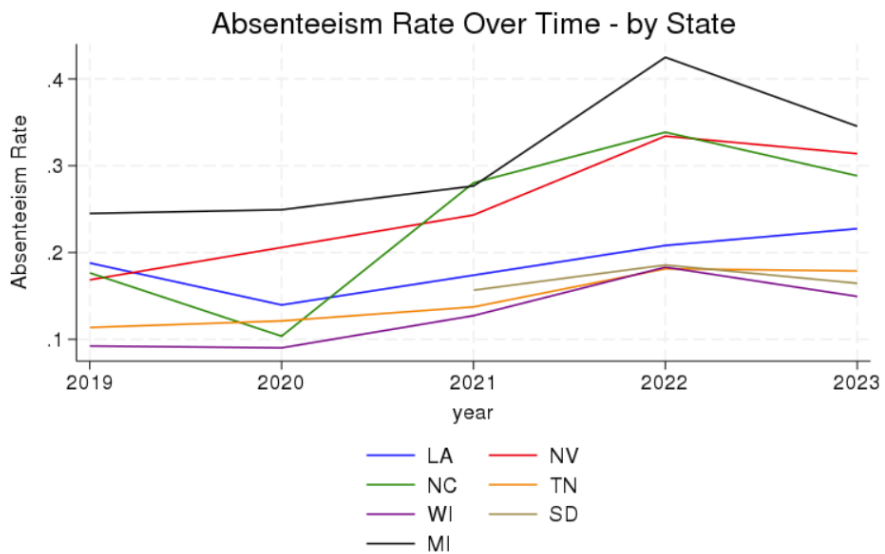


Cross-State



Mean, sd, min, max for subgroup = all:

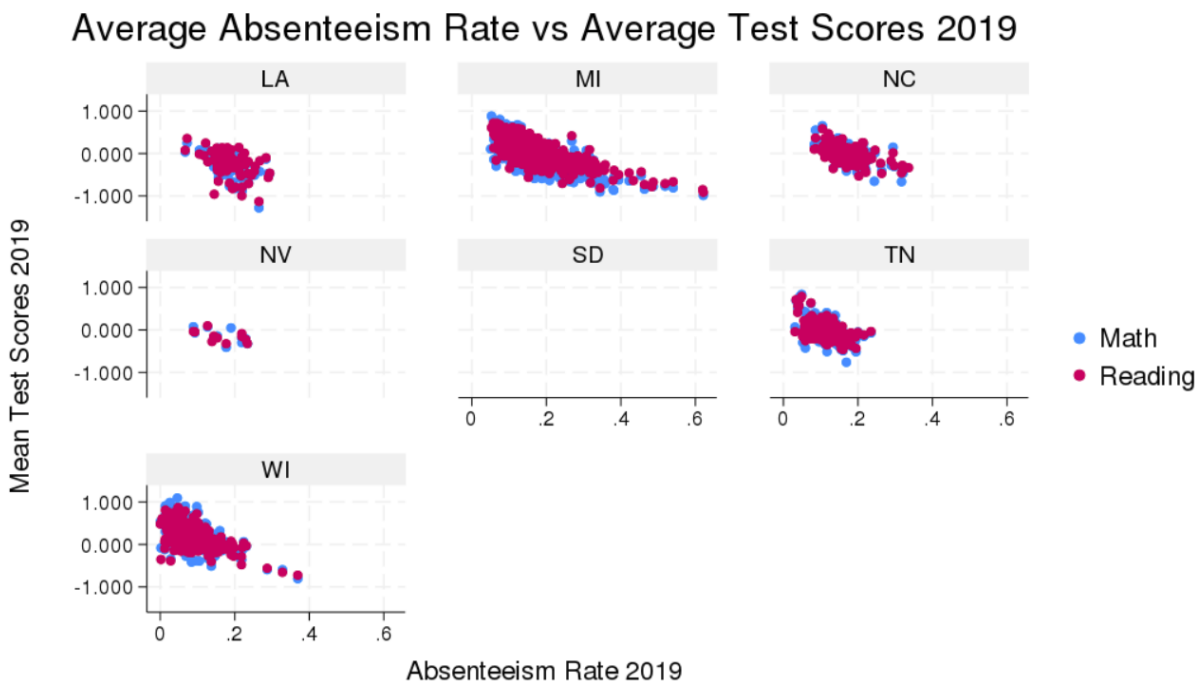
Summary statistics: Mean, SD

Group variable: state_abb

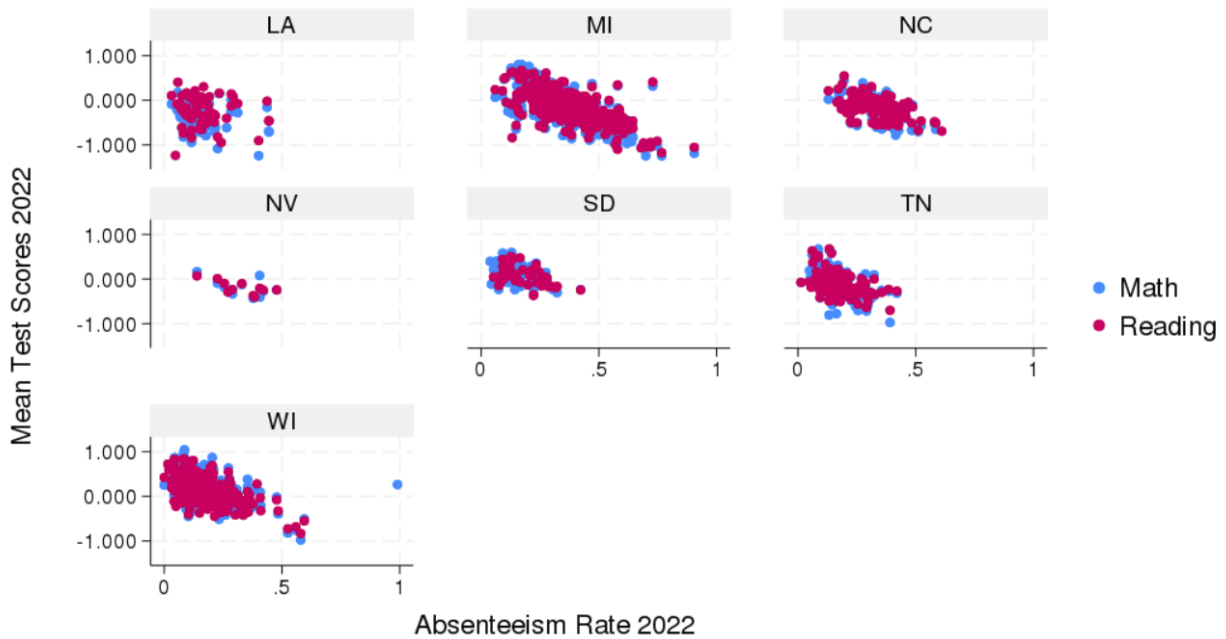
state_abb	rate2019	rate2020	rate2021	rate2022	rate2023
LA	0.19	0.14	.	0.21	0.23
	0.12	0.14	.	0.18	0.13
MI	0.24	0.25	0.28	0.42	0.35
	0.16	0.15	0.18	0.17	0.17
NC	0.18	0.10	0.28	0.34	0.29
	0.05	0.04	0.11	0.10	0.08
NV	0.17	.	0.24	0.33	0.31
	0.05	.	0.13	0.09	0.06
SD	.	.	0.16	0.19	0.16
	.	.	0.13	0.13	0.12
TN	0.11	0.12	0.14	0.18	0.18
	0.05	0.05	0.09	0.09	0.07
WI	0.09	0.09	0.13	0.18	0.15
	0.07	0.06	0.10	0.12	0.10



Graphs by state_abb



Average Absenteeism Rate vs Average Test Scores 2022



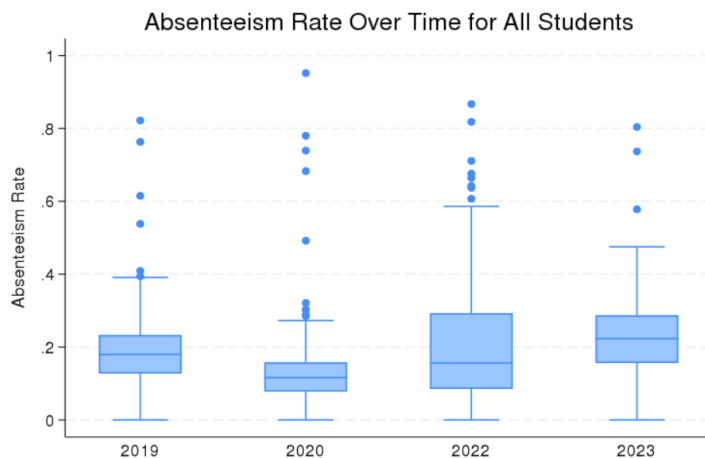
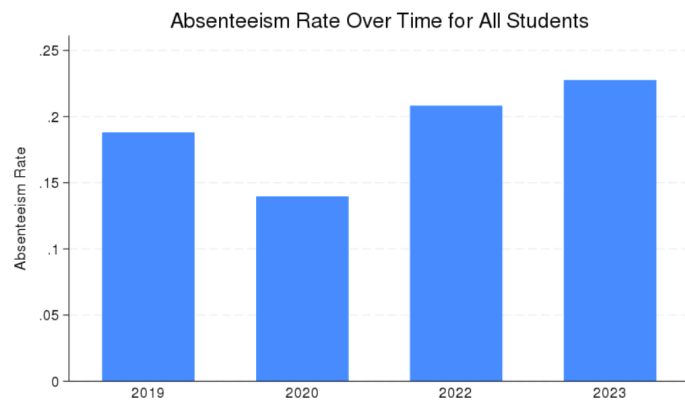
Average Absenteeism Rate vs Average Test Scores 2023



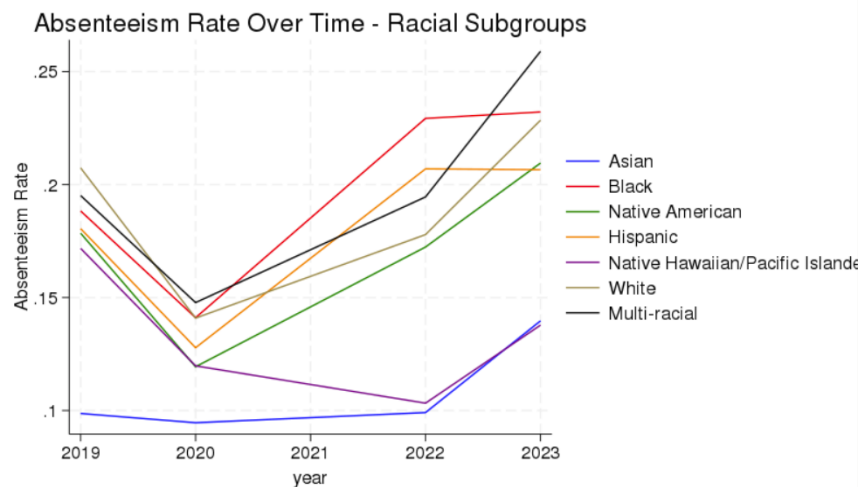
Graphs by etate. ghh

Louisiana

I. Absenteeism Trends: Note that LA does not have absenteeism data for 2021.



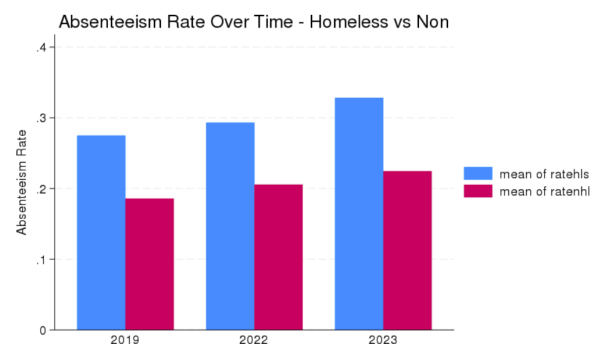
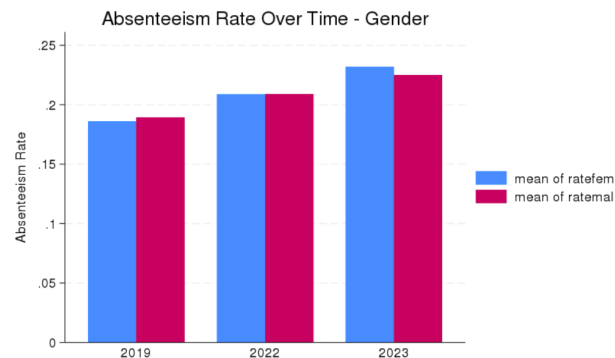
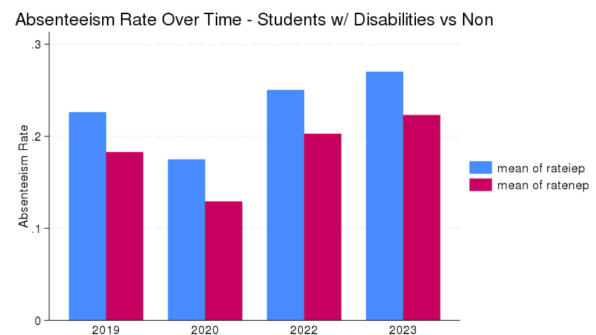
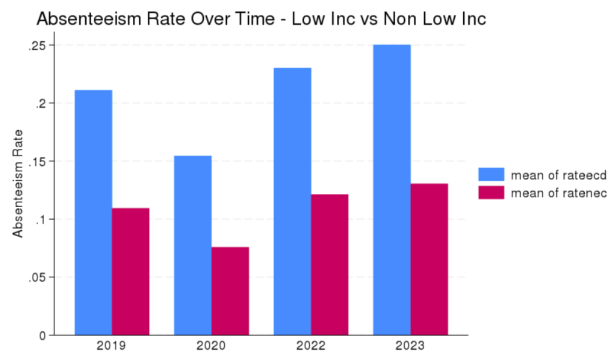
Matches expectations: generally trending higher, w/ low rates in 2020 (measuring absenteeism meant something different during pandemic).



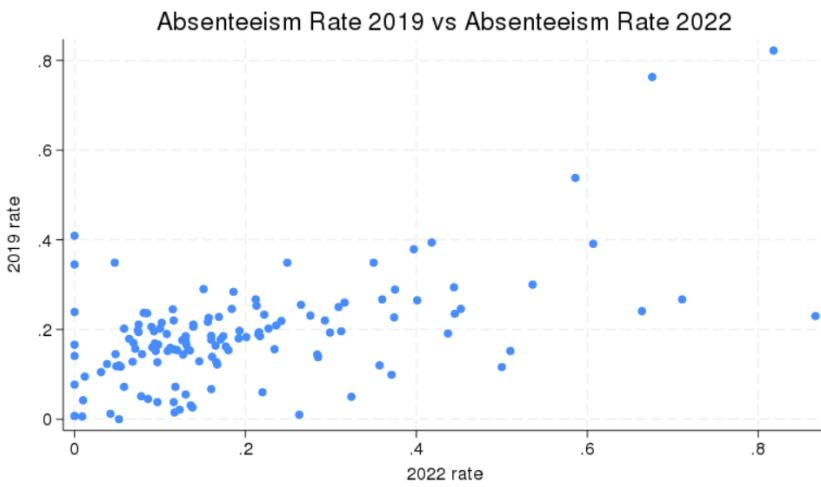
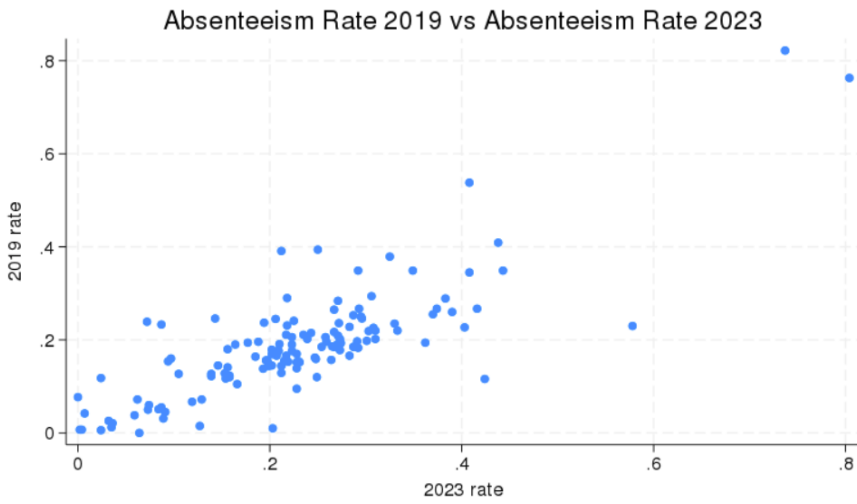
Summary statistics: Mean, SD, Min, Max
Group variable: year

year	rateall	rateblk	rateecd	ratehsp	ratenec	ratewht
2019	.1879521	.1883425	.2110616	.1805286	.1094041	.2074014
	.1236137	.1283506	.1255459	.1743177	.1115073	.1841994
	0	0	0	0	0	0
	.822	.8	.832	1	.833	1
2020	.1396096	.1411027	.1545274	.1278042	.0757724	.1409209
	.1355596	.136212	.1352215	.1917577	.1229583	.1739104
	0	0	0	0	0	0
	.952	.905	.952	1	.789	1
2022	.2081224	.2293129	.2301224	.2069653	.1211973	.1778811
	.1808407	.1818726	.1834038	.220151	.1519269	.1999614
	0	0	0	0	0	0
	.867	.865	.878	1	1	1
2023	.2274595	.2321486	.2502027	.2066181	.130473	.2284965
	.1270351	.1319597	.1295479	.1503424	.1089447	.1580566
	0	0	0	0	0	0
	.804	.824	.85	1	.808	.794

Interesting gaps: (especially low inc vs non low inc)



Correlation between absenteeism rates over time:

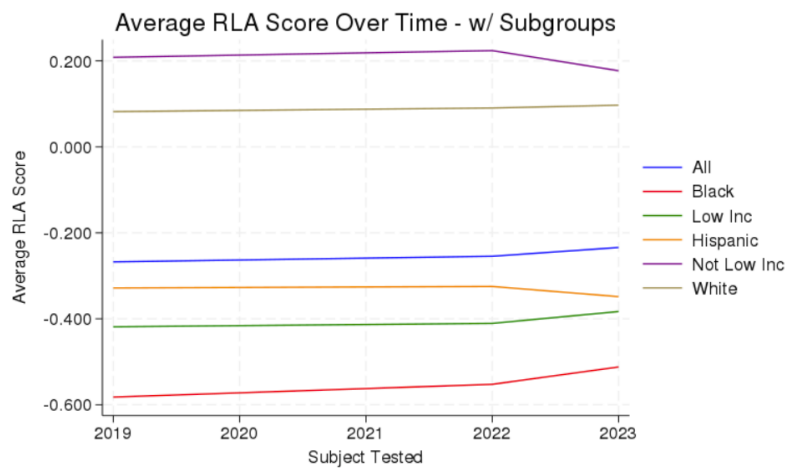
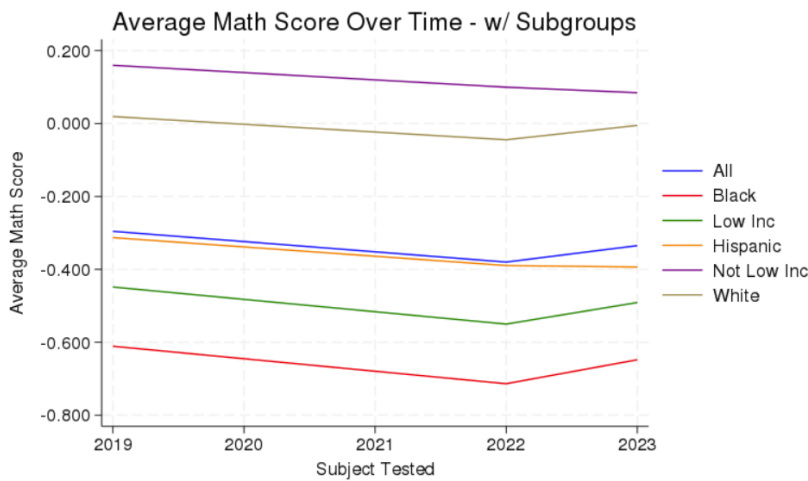
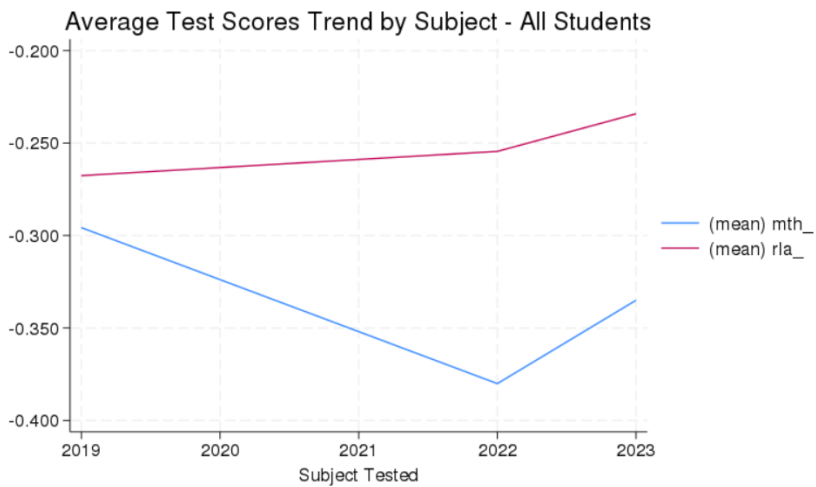


	rate2019	rate2020	rate2022	rate2023
rate2019	1.0000			
rate2020	0.8689	1.0000		
rate2022	0.5691	0.5450	1.0000	
rate2023	0.8123	0.8236	0.6061	1.0000

Interesting how strong the correlation between absenteeism2020 and absenteeism2023 is, compared to absenteeism2020 vs absenteeism2022.

II. Test Score Trends

Generally seems to increase after 2022, except for non low income and hispanic students.

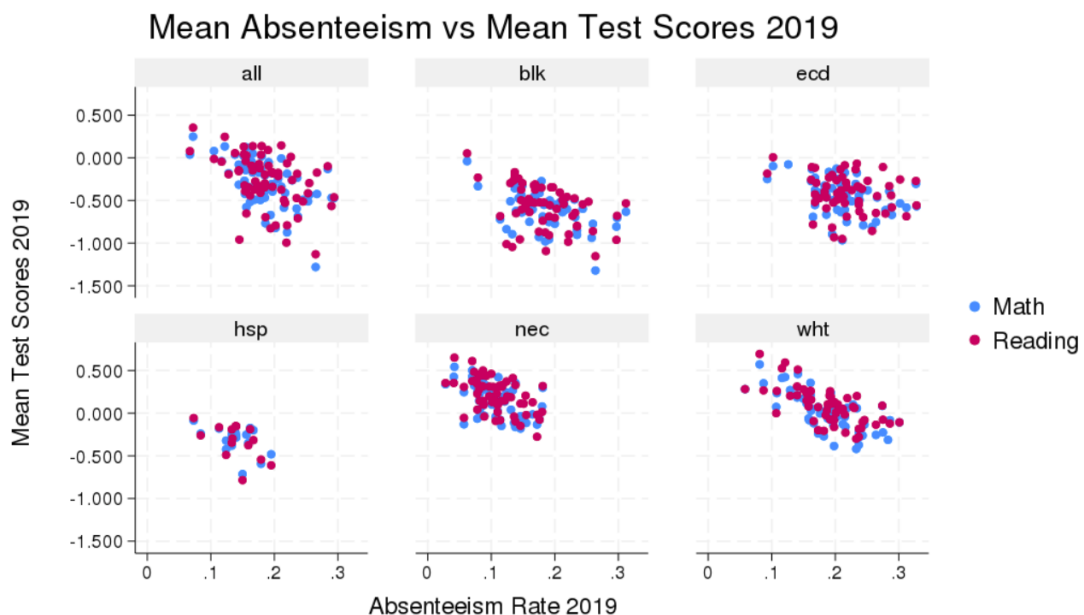


Summary statistics: Mean, SD, Min, Max
Group variable: subgroup

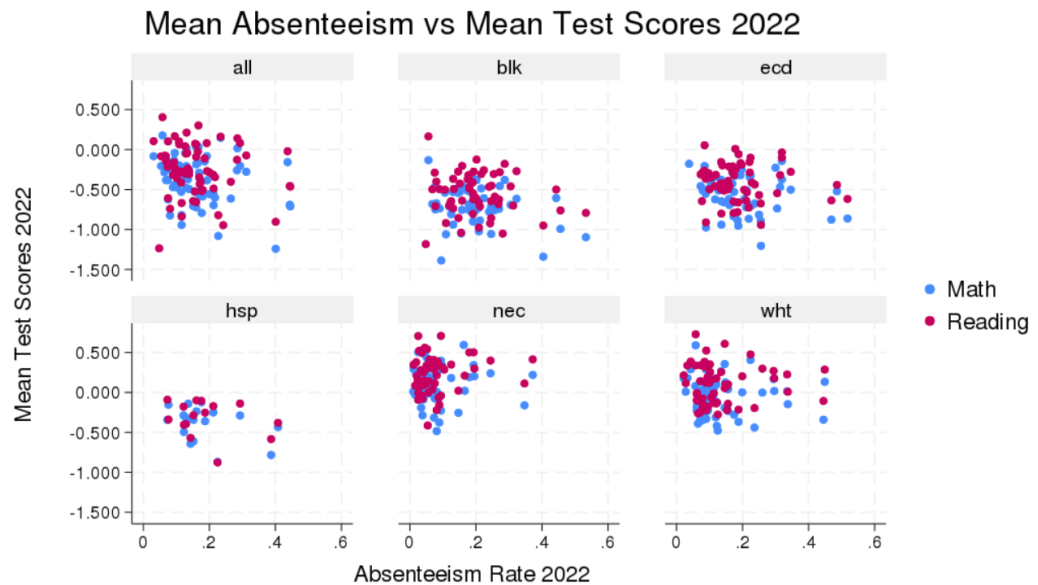
subgroup	mth_2019	rla_2019	mth_2022	rla_2022	mth_2023	rla_2023
all	-.2957283	-.267614	-.3800694	-.254501	-.335013	-.234188
	.2771027	.3087387	.294509	.3245413	.2716759	.3131173
	-1.279815	-1.130004	-1.24069	-1.235478	-1.054162	-.9245612
	.2484761	.3534992	.1769997	.4047287	.1664732	.4160731
blk	-.6109213	-.5821801	-.7137768	-.5524735	-.6480843	-.512091
	.2221917	.2578253	.24054	.2614505	.211166	.2456177
	-1.320393	-1.152925	-1.387824	-1.183171	-1.148917	-1.045904
	-.0395865	.052323	-.1322836	.1644189	-.1371741	.1278346
ecd	-.4484782	-.4186271	-.5502169	-.4106846	-.491027	-.3831926
	.2008862	.2225731	.2346273	.2296445	.2162322	.2321193
	-.9669584	-.950504	-1.203899	-.9434127	-1.009822	-.8735736
	-.0774376	.0067612	-.1430168	.0541604	-.0352184	.038015
hsp	-.312981	-.328393	-.3896113	-.3248061	-.3936492	-.3484205
	.157302	.2015925	.2135934	.2210273	.1994428	.2203306
	-.7137775	-.7839683	-.8686248	-.8756511	-.8365992	-.8341105
	-.0862405	-.0570744	-.1227891	-.0919979	-.0655307	-.0733183
nec	.1597445	.2083189	.0996531	.2240037	.0845494	.177128
	.1889664	.2005147	.2220749	.2305009	.2496579	.2837624
	-.1799673	-.2758742	-.4839328	-.4136685	-.5082291	-.7027845
	.5427579	.6513723	.5936658	.707038	.5303649	.7427342
wht	.0191126	.0820015	-.0445912	.090443	-.0052435	.0969176
	.2207424	.2142528	.2349407	.2410623	.2602455	.269533
	-.4187646	-.2996034	-.4774376	-.2769472	-.4432652	-.3911856
	.572193	.6944847	.5898681	.7276102	.6218339	.8206256

A. Absenteeism Rates vs Test Scores

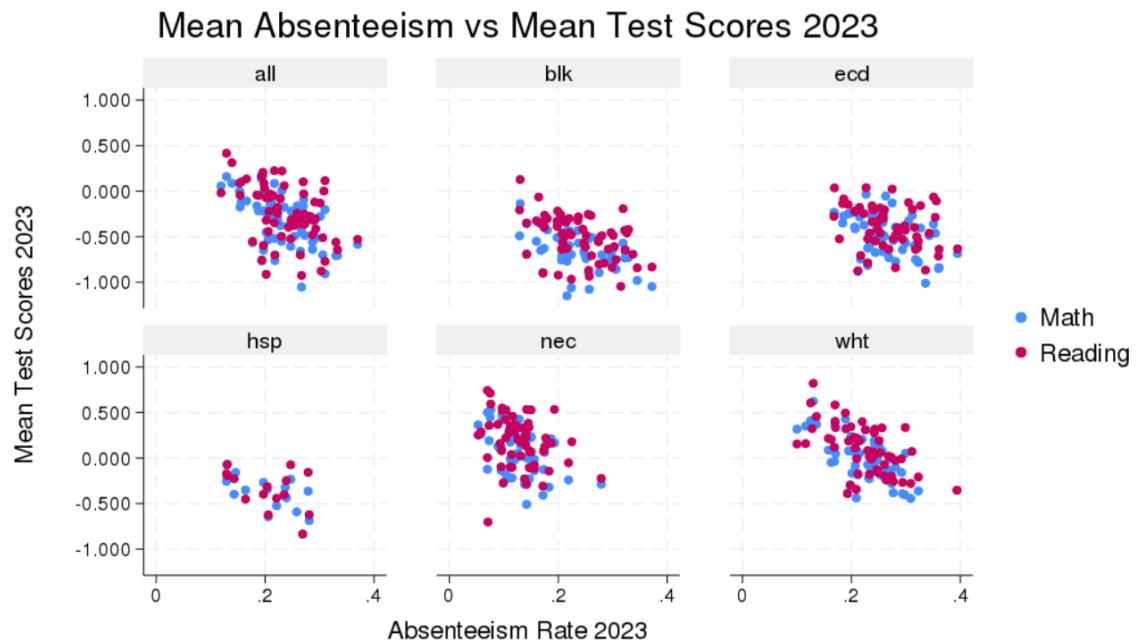
Unrestricted grade bands for subgroup all:



2019: stronger correlation between absenteeism and scores for less disadvantaged groups



Weaker correlations in 2022



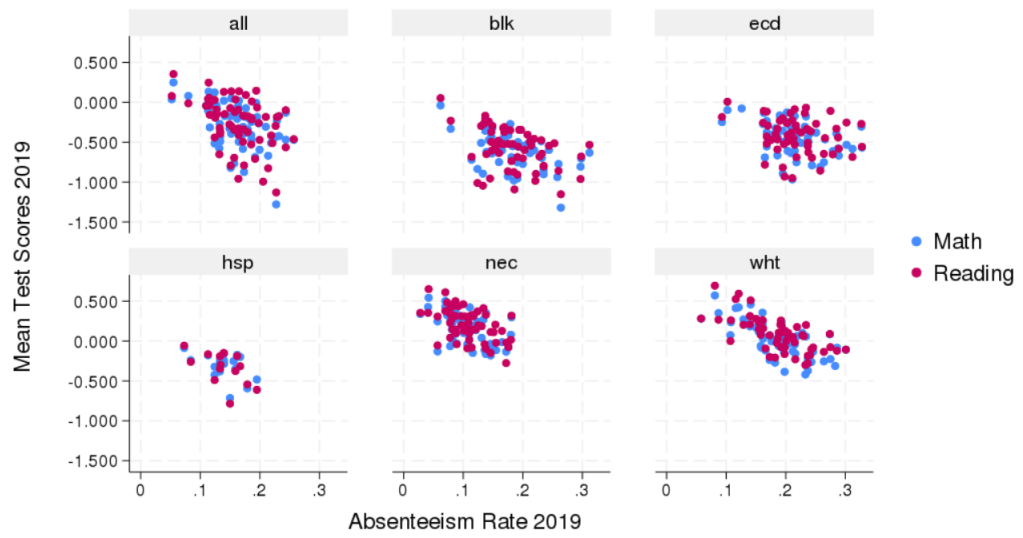
The stronger correlations return in 2023

Some groups (ecd) just have higher absenteeism rates in general

Note that absenteeism rates here do not correspond to grades 3-8, but all grades.

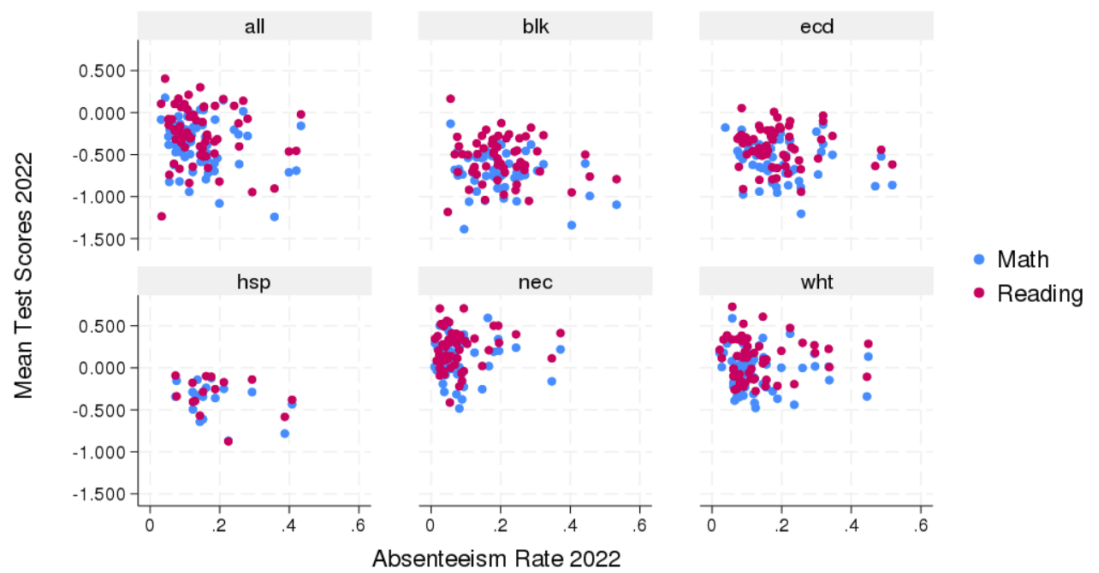
Grade bands restricted to preK-8 for subgroup=all:

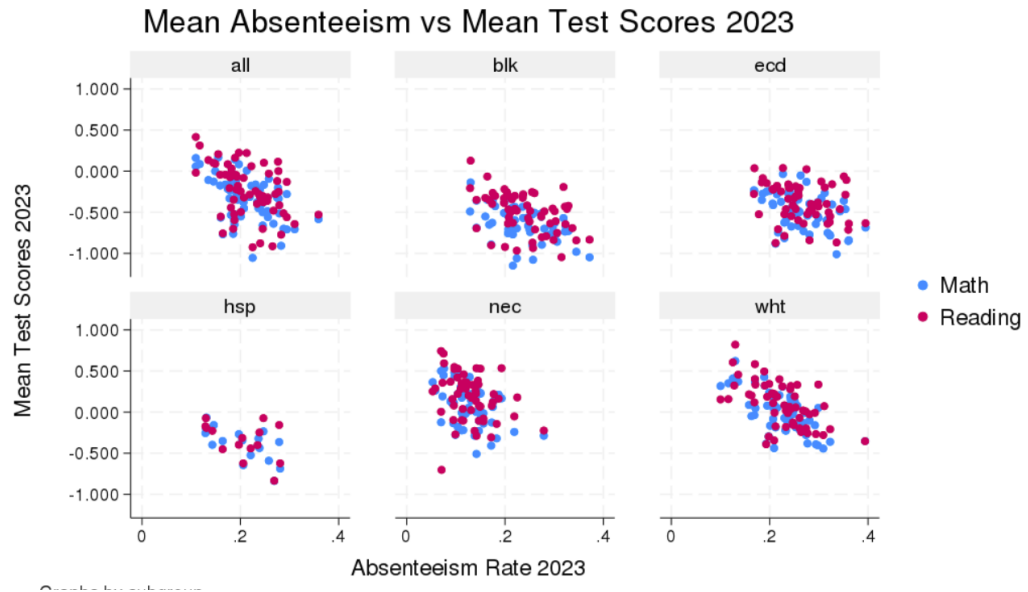
Mean Absenteeism vs Mean Test Scores 2019



Graphs by subgroup

Mean Absenteeism vs Mean Test Scores 2022

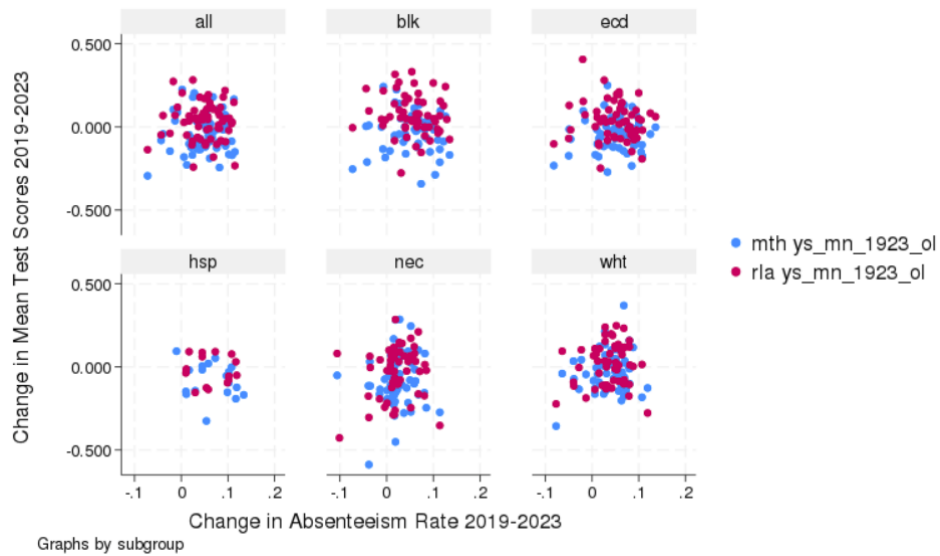
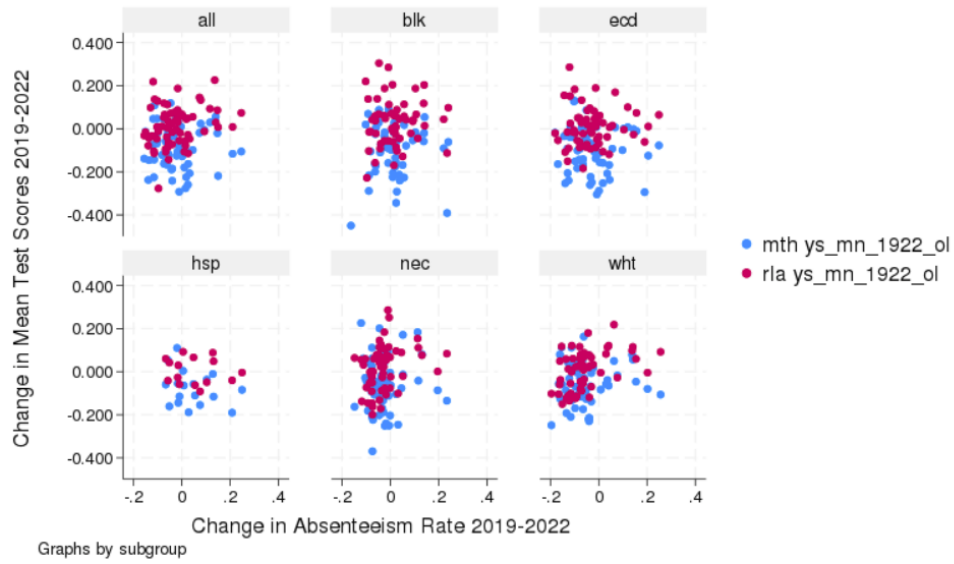


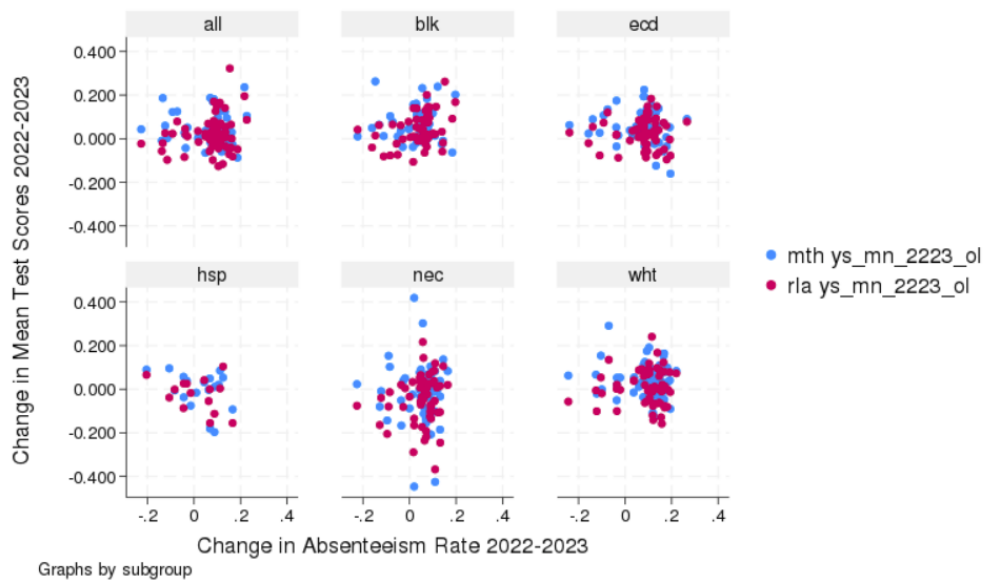


Comparing correlations before and after restricting the “all” subgroup: looks like correlations decrease.

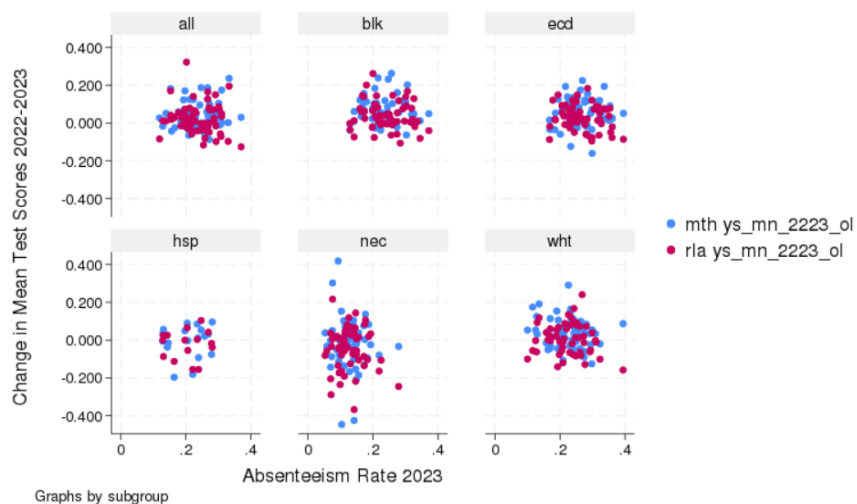
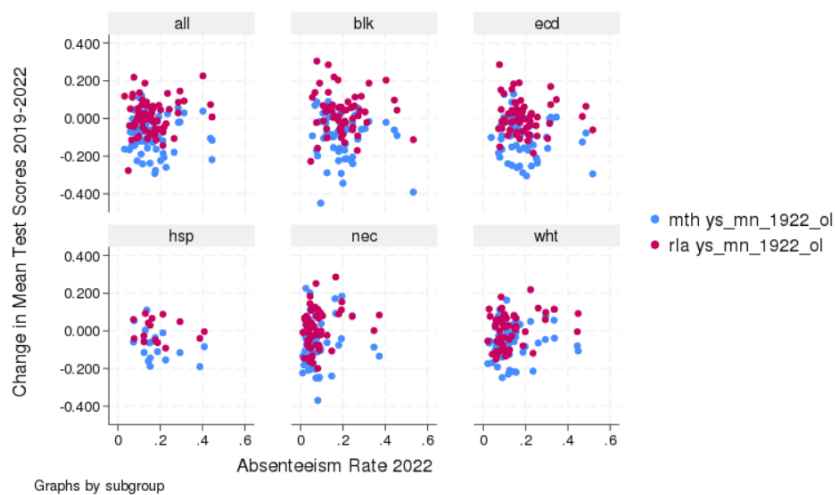
	Absenteeism Rate (Unrestricted “all”)	Absenteeism Rate (Restricted to pk-8)
Math 2019	-0.5533	-0.4958
Rla 2019	-0.5096	-0.4533
Math 2022	-0.2566	-0.2420
Rla 2022	-0.1731	-0.1655
Math 2023	-0.5541	-0.4966
Rla 2023	-0.5070	-0.4653

B. Change in Absenteeism vs Change in Test Scores





C. Absenteeism Rates vs Change in Test Scores



Interesting that there is no clear association between absenteeism rate and the change in mean test scores.