

Supplementary file for the paper

COVID-19 among bartenders and waiters before and after pub lockdown

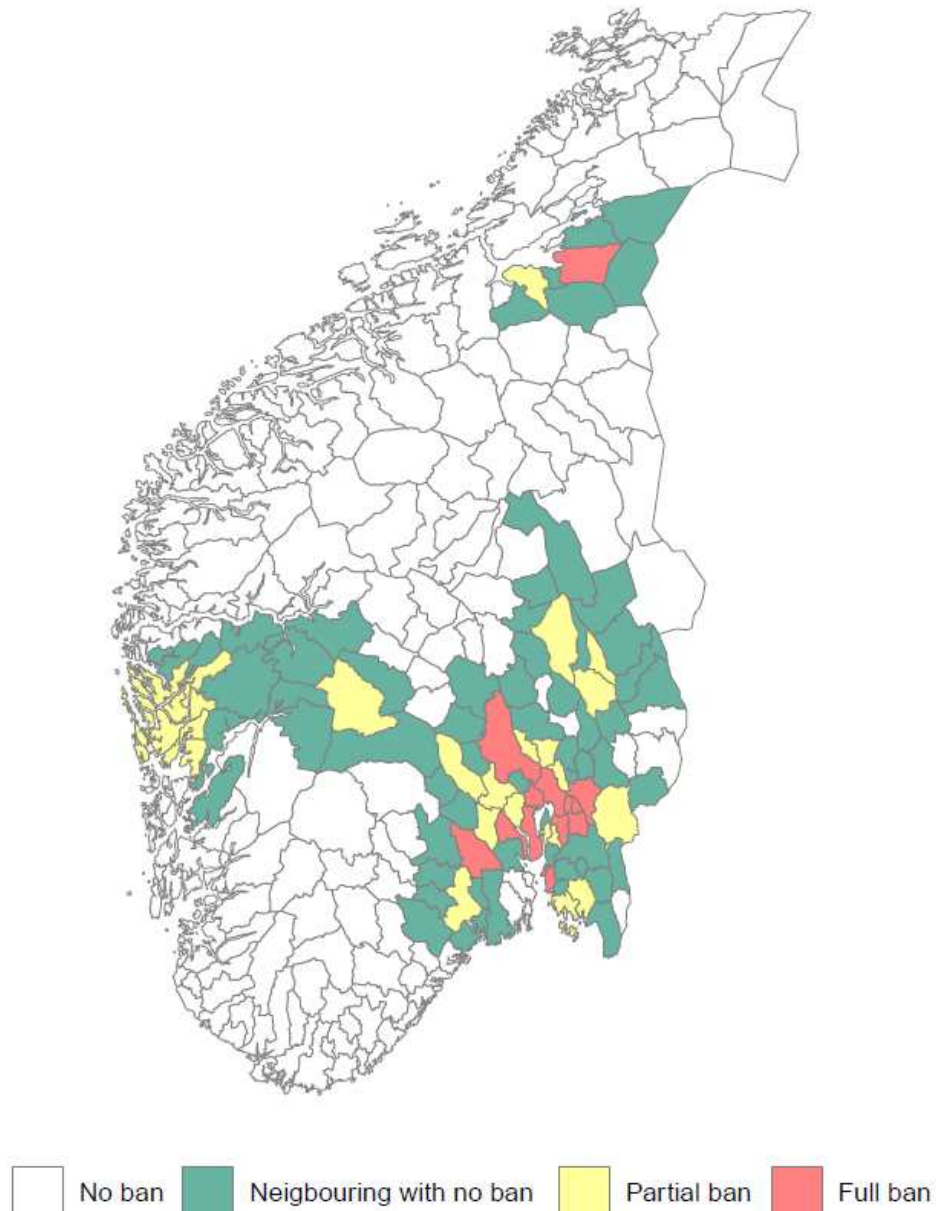
By Methi et al., 2021.

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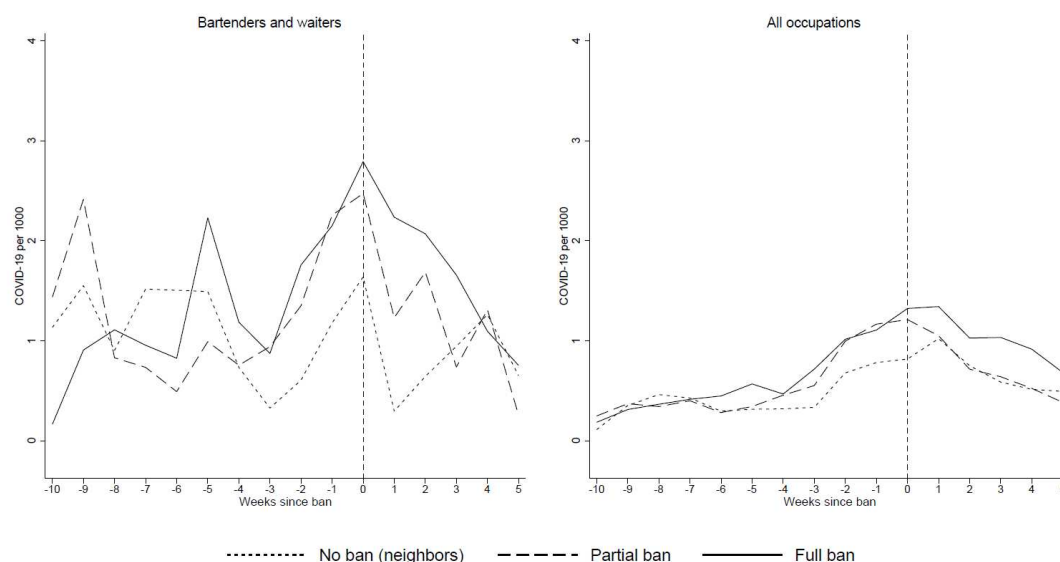
Supplementary Table 1: Adjusted odds ratios for COVID-19 for no ban, partial ban and full ban. Logistic regression adjusted for age (continuous), sex, testing and population size.

Week	Bartenders and waiters												All occupations												
	No ban				Partial ban				Full ban				No ban				Partial ban				Full ban				
	Odds ratios	Lower 95%	Upper 95%		Odds ratios	Lower 95%	Upper 95%		Odds ratios	Lower 95%	Upper 95%		Odds ratios	Lower 95%	Upper 95%		Odds ratios	Lower 95%	Upper 95%		Odds ratios	Lower 95%	Upper 95%		
-10	1.13	-0.16	2.42	1.44	0.59	2.28	0.16	-0.06	0.39	0.11	0.07	0.15	0.25	0.20	0.29	0.18	0.15	0.22		0.37	0.32	0.42	0.31	0.27	0.36
-9	1.55	0.02	3.08	2.41	1.44	3.39	0.91	0.40	1.41	0.35	0.28	0.42	0.37	0.32	0.42	0.31	0.27	0.36		0.34	0.29	0.39	0.37	0.32	0.41
-8	0.90	-0.13	1.94	0.83	0.22	1.44	1.11	0.56	1.66	0.46	0.38	0.54	0.34	0.29	0.39	0.37	0.32	0.41		0.40	0.34	0.46	0.41	0.37	0.46
-7	1.52	0.19	2.85	0.73	0.10	1.37	0.96	0.46	1.45	0.43	0.35	0.50	0.40	0.34	0.46	0.41	0.37	0.46		0.28	0.23	0.33	0.45	0.40	0.50
-6	(Not estimable)			0.49	-0.06	1.04	0.83	0.34	1.31	0.30	0.23	0.36	0.28	0.23	0.33	0.45	0.40	0.50		0.34	0.29	0.40	0.57	0.51	0.63
-5	1.49	0.20	2.78	0.99	0.27	1.72	2.23	1.50	2.96	0.32	0.25	0.38	0.34	0.29	0.40	0.47	0.42	0.52		0.46	0.40	0.52	0.47	0.42	0.52
-4	0.73	-0.29	1.76	0.76	0.15	1.37	1.19	0.63	1.75	0.32	0.25	0.39	0.46	0.40	0.52	0.47	0.42	0.52		0.55	0.49	0.62	0.72	0.65	0.78
-3	0.33	-0.31	0.96	0.94	0.19	1.69	0.87	0.38	1.37	0.33	0.27	0.40	0.55	0.49	0.62	0.72	0.65	0.78		1.00	0.91	1.08	1.02	0.94	1.09
-2	0.60	-0.24	1.45	1.35	0.55	2.14	1.76	1.08	2.43	0.68	0.58	0.77	1.17	1.08	1.25	1.11	1.04	1.18		1.17	1.08	1.25	1.11	1.04	1.18
-1	1.18	0.14	2.21	2.25	1.28	3.23	2.15	1.43	2.87	0.78	0.69	0.88	1.21	1.13	1.30	1.32	1.25	1.40		1.00	0.91	1.08	1.02	0.94	1.09
0	1.64	0.18	3.10	2.47	1.45	3.49	2.79	2.03	3.56	0.82	0.71	0.92	1.21	1.13	1.30	1.32	1.25	1.40		1.17	1.08	1.25	1.11	1.04	1.18
1	0.30	-0.29	0.88	1.23	0.43	2.04	2.24	1.52	2.95	1.02	0.90	1.14	1.05	0.96	1.14	1.34	1.26	1.42		1.21	1.13	1.30	1.32	1.25	1.40
2	0.64	-0.25	1.53	1.69	0.71	2.67	2.07	1.31	2.82	0.75	0.65	0.85	0.72	0.64	0.79	1.03	0.95	1.10		1.05	0.96	1.14	1.34	1.26	1.42
3	0.94	-0.11	2.00	0.74	0.03	1.45	1.66	0.96	2.36	0.59	0.50	0.68	0.64	0.57	0.71	1.03	0.96	1.11		0.72	0.64	0.79	1.03	0.95	1.10
4	1.26	0.04	2.48	1.31	0.42	2.21	1.09	0.54	1.64	0.51	0.43	0.60	0.64	0.57	0.71	1.03	0.96	1.11		0.64	0.57	0.71	1.03	0.96	1.11
5	0.65	-0.26	1.56	0.26	-0.10	0.62	0.75	0.36	1.14	0.49	0.41	0.57	0.38	0.33	0.44	0.92	0.85	0.99		0.52	0.46	0.59	0.92	0.85	0.99
																0.68	0.63	0.74		0.38	0.33	0.44	0.68	0.63	0.74

Supplementary Figure 1: Map of Southern Norway showing municipalities with full ban or partial ban, or their neighboring municipalities with no ban. There were no municipalities in Northern Norway with full or partial ban.



Supplementary Figure 2: COVID-19 among bartenders and waiters (left pane) vs. all occupations (right pane) ten weeks before and five weeks after ban on serving alcohol without 95% CI.



Note: Logistic regression adjusted for age (continuous), sex, tested for SARS-CoV-2 in the respective week (yes/no) and population size (number of employees in the given municipality).

Supplementary Table 2: Overview of local restrictions by municipality, type of restriction (1 = no local restrictions; 2 = partial ban; 3 = full ban) and date of implementation.

Municipality	Restriction type	Date	Municipality	Restriction type	Date
Alver	2	7-Nov-2020	Modalen	1	7-Nov-2020
Asker	3	10-Nov-2020	Modum	2	10-Nov-2020
Askøy	2	7-Nov-2020	Moss	3	4-Dec-2020
Aurland	1	22-Dec-2020	Nannestad	1	10-Nov-2020
Aurskog-Høland	2	10-Nov-2020	Nesodden	1	10-Nov-2020
Austrheim	2	8-Nov-2020	Nesodden	1	10-Nov-2020
Bamble	1	24-Dec-2020	Nittedal	2	10-Nov-2020
Bergen	2	7-Nov-2020	Nome	1	24-Dec-2020
Bjørnafjorden	2	7-Nov-2020	Nord-Odal	1	22-Dec-2020
Bærum	3	10-Nov-2020	Nordre Follo ²	3	10-Nov-2020
Drammen	3	10-Nov-2020	Nore og Uvdal	1	10-Nov-2020
Drangedal	1	24-Dec-2020	Notodden	1	21-Dec-2020
Eidfjord	1	22-Dec-2020	Oslo	3	9-Nov-2020
Eidskog	1	10-Nov-2020	Osterøy	2	7-Nov-2020
Eidsvoll	1	22-Dec-2020	Porsgrunn	1	24-Dec-2020

Elverum	1	17-Dec-2020	Rakkestad	1	4-Dec-2020
Enebakk	3	10-Nov-2020	Ringerike	3	25-Dec-2020
Flesberg	1	10-Nov-2020	Ringsaker	2	22-Dec-2020
Flå	1	10-Nov-2020	Rollag	1	10-Nov-2020
Fredrikstad	2	4-Dec-2020	Rælingen	3	10-Nov-2020
Frogn	2	10-Nov-2020	Råde	1	4-Dec-2020
Gjerdrum	1	10-Nov-2020	Samnanger	2	7-Nov-2020
Gjøvik	1	22-Dec-2020	Sarpsborg	2	4-Dec-2020
Gran	1	10-Nov-2020	Selbu	1	22-Dec-2020
Halden	1	4-Dec-2020	Sigdal ³	2	10-Nov-2020
Hamar	1	22-Dec-2020	Siljan	1	21-Dec-2020
Hol	2	22-Dec-2020	Skien	2	24-Dec-2020
Hole	1	10-Nov-2020	Skiptvet	1	4-Dec-2020
Holmestrand	1	10-Nov-2020	Stange	2	22-Dec-2020
Hvaler	2	4-Dec-2020	Stjørdal	3	28-Dec-2020
Indre Østfold	1	10-Nov-2020	Stor-Elvdal	1	22-Dec-2020
Jevnaker ¹	2	10-Nov-2020	Søndre Land	1	25-Dec-2020
Kongsberg	3	21-Dec-2020	Sør-Aurdal	1	25-Dec-2020
Krødsherad	1	10-Nov-2020	Trondheim	2	22-Dec-2020
Kvam	1	7-Nov-2020	Ullensaker	1	10-Nov-2020
Kvinnherad	1	7-Nov-2020	Ulvik	1	22-Dec-2020
Larvik	1	21-Dec-2020	Vaksdal	2	7-Nov-2020
Levanger	1	28-Dec-2020	Verdal	1	28-Dec-2020
Lier	2	10-Nov-2020	Vestby	1	10-Nov-2020
Lillehammer	1	22-Dec-2020	Vik	1	7-Nov-2020
Lillestrøm	3	10-Nov-2020	Voss	1	7-Nov-2020
Lunner	2	10-Nov-2020	Våler (Innlandet)	1	22-Dec-2020
Lærdal	1	22-Dec-2020	Våler (Viken)	1	4-Dec-2020
Lørenskog	3	10-Nov-2020	Østre Toten	1	22-Dec-2020
Løten	2	17-Dec-2020	Øvre Eiker	2	11-Nov-2020
Malvik	1	22-Dec-2020	Øyer	1	22-Dec-2020
Marker	1	10-Nov-2020	Øygarden	2	7-Nov-2020
Masfjorden	1	7-Nov-2020	Ål	1	22-Dec-2020
Melhus	1	22-Dec-2020	Åmot	1	17-Dec-2020
Meråker	1	28-Dec-2020	Ås	2	10-Nov-2020
Midt-Telemark	1	21-Dec-2020	Åsnes	1	22-Dec-2020

Note: Thanks to Verdens Gang (VG) for letting us make use of their routinely collected data. There are 365 municipalities in Norway.

¹Jevnaker removed their partial ban on alcohol in calendar week 50.

²Nordre Follo changed from a full ban to a partial ban in week 51.

³Sigdal removed their partial ban on alcohol in week 52.

Supplementary Figure 3: COVID-19 among bartenders and waiters (left pane) vs. all occupations (right pane) ten weeks before and five weeks after ban on serving alcohol stratified by sex.

