

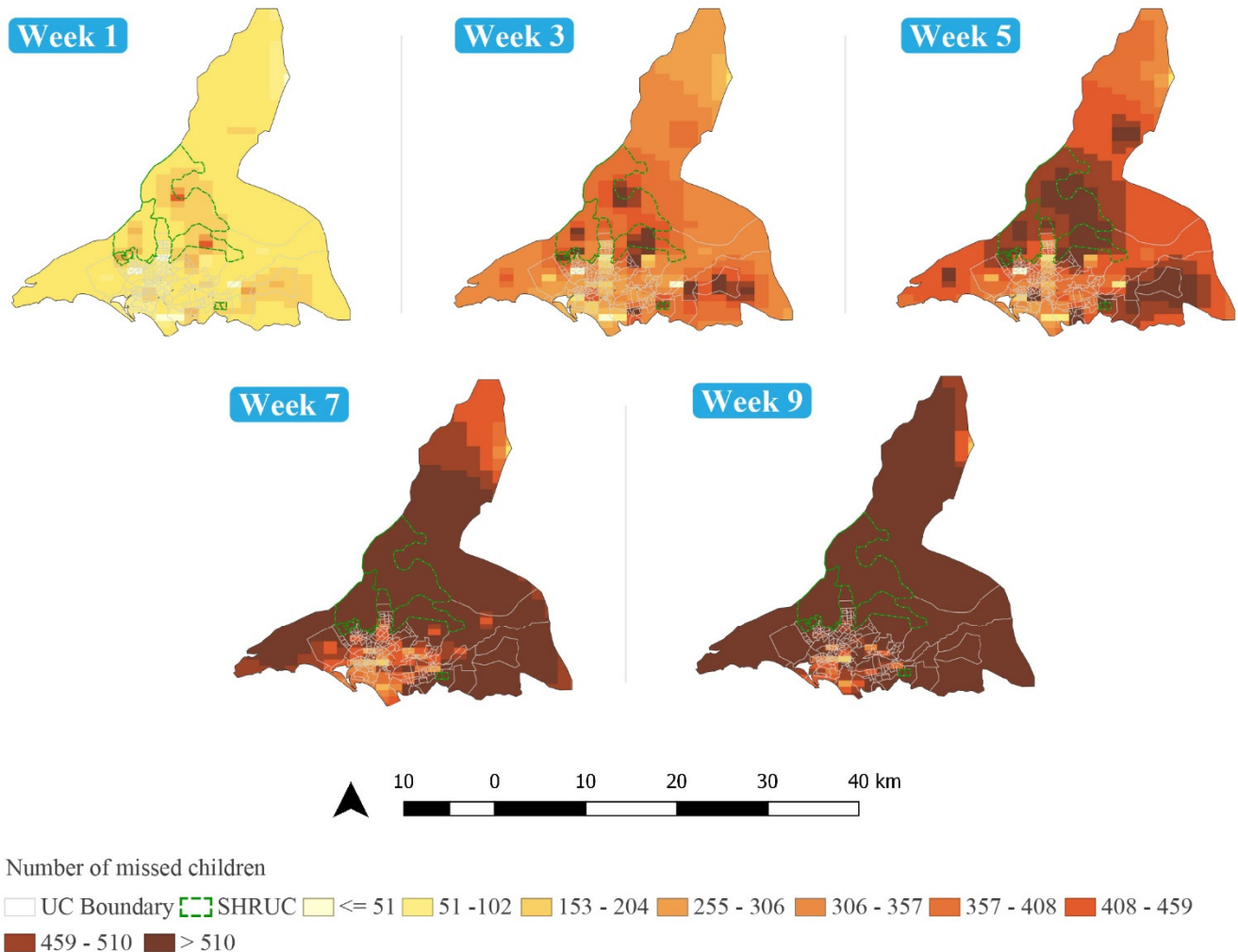
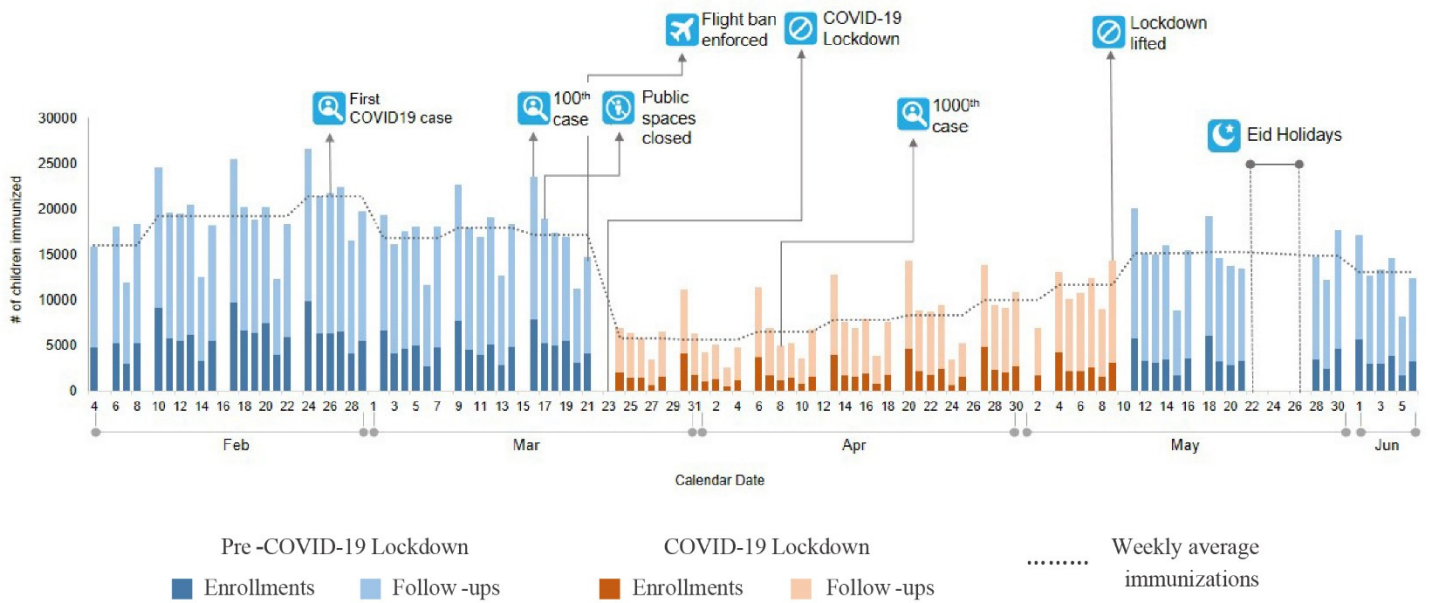
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Supplementary appendix

This appendix formed part of the original submission. We post it as supplied by the authors.

Supplement to: Chandir S, Siddiqi DA, Setayesh H, Khan AJ. Impact of COVID-19 lockdown on routine immunisation in Karachi, Pakistan. *Lancet Glob Health* 2020; published online June 29. [http://dx.doi.org/10.1016/S2214-109X\(20\)30290-4](http://dx.doi.org/10.1016/S2214-109X(20)30290-4).



Supplementary Figure 1b: Weekly cumulative distribution of 0-23 month old children (geocoded at enrollment visit) who missed immunization follow-up visits during and after COVID-19 lockdown (March 23-June 06, 2020) in Karachi (n=108,350)

Supplementary Table 1: Average daily number of vaccine doses administered to 0-23 months children by fixed and outreach vaccination services in Karachi, Sindh in ZM EIR during baseline (Sep 23, 2019 - Mar 22, 2020), and percentage reduction during COVID-19 lockdown (Mar 23-May 9, 2020) and post COVID-19 lockdown (May 10-Jun 6, 2020) periods compared to baseline in Sindh, Pakistan (n=2,872,336)

Vaccines	Baseline period (n=2,383,586)			COVID-19 lockdown (n=286,450)						Post-COVID-19 lockdown (n=202,300)					
	Average Number of doses			Average Number of doses			Percentage reduction			Average Number of doses			Percentage reduction		
	Fixed	Outreach	Total	Fixed	Outreach	Total	Fixed	Outreach	Total	Fixed	Outreach	Total	Fixed	Outreach	Total
	n	n	n	n	n	n	%	%	%	n	n	n	%	%	%
BCG	736	440	1,176	451	36	487	38.7	91.9	58.6	651	172	823	11.5	60.9	30.0
OPV-0	589	215	804	368	25	393	37.5	88.3	51.1	542	117	659	8.0	45.7	18.1
Penta-1	774	413	1,187	425	42	467	45.1	89.9	60.7	557	168	725	28.0	59.4	38.9
OPV-1	776	417	1,193	425	41	466	45.2	90.1	60.9	559	169	727	28.0	59.6	39.1
PCV-1	774	412	1,186	425	42	467	45.1	89.8	60.7	557	168	725	28.1	59.3	38.9
Rota-1	765	405	1,170	422	42	464	44.8	89.7	60.4	551	165	716	28.0	59.2	38.8
Penta-2	701	342	1,043	427	42	469	39.1	87.7	55.0	495	157	652	29.4	54.1	37.5
OPV-2	701	341	1,042	428	42	470	39.0	87.6	54.9	496	157	653	29.3	53.9	37.3
PCV-2	700	342	1,042	427	42	469	38.9	87.8	55.0	494	157	651	29.4	54.1	37.5
Rota-2	683	328	1,011	421	41	462	38.4	87.6	54.3	486	152	638	28.9	53.6	36.9
Penta-3	651	290	941	434	37	472	33.3	87.2	49.9	496	162	659	23.7	44.1	30.0
OPV-3	652	289	941	435	38	473	33.2	87.0	49.7	497	162	659	23.8	44.0	30.0
PCV-3	680	325	1,005	441	39	480	35.2	88.0	52.3	508	167	675	25.3	48.8	32.9
IPV	651	289	939	434	37	472	33.2	87.0	49.8	497	162	659	23.6	43.8	29.8
Measles1	494	263	757	351	36	387	29.0	86.3	48.9	478	168	645	3.4	36.2	14.8
Measles2	368	192	560	242	23	265	34.3	88.0	52.7	275	108	382	25.3	43.8	31.7
Total	10,695	5,302	15,997	6,557	604	7,161	38.7	88.6	55.2	8,138	2,509	10,647	23.9	52.7	33.4

Abbreviations: Bacille Calmette-Guérin (BCG), Oral polio vaccine (OPV), Pentavalent (Penta), Pneumococcal conjugate vaccine (PCV), Rotavirus (Rota), Inactivated poliovirus vaccine (IPV).