

SUPPLEMENTARY MATERIAL

Table S1. Names of sampled government and privately owned hospitals in the study area.

1	General Hospital, Minna	9°36'47.41" N	6°32'40.02" E
2	General Hospital, Mokwa Niger State	9°17'19.86" N	5°17'36.39" E
3	Kogi State University Teaching Hospital Anyigba Lokoja	7°28'16.48" N	7°10'13.16" E
4	General Hospital, Idah	7°06'48.41" N	6°44'01.45" E
5	University of Jos Teaching Hospital, Jos	9°55'01.96" N	8°35'33.20" E
6	General Hospital, Dengi Plateau State	9°23'55.55" N	9°58'48.42" E
7	University of Ilorin Teaching Hospital, Kwara State	8°32'11.41" N	4°38'42.29" E
8	Bani General Hospital Bani, Kwara State	9°00'56.00" N	4°11'24.23" E
9	General Hospital North Bank, Makurdi	7°45'30.21" N	8°32'41.55" E
10	Federal Medical Centre, Apir, Makurdi	7°41'04.09" N	8°31'43.05" E
11	General Hospital, Nasarawa	8°32'06.05" N	7°41'45.76" E
12	Nasarawa Eggon General Hospital, Alizaga	8°43'13.63" N	8°31'46.99" E
13	Ibrahim Badamasi Babangida Specialist Hospital Minna, Niger State	9°32'52.27" N	6°34'08.09" E
14	New Bethel Hospital/Clinic, Bosso	9°39'15.59" N	6°31'32.38" E
15	Supreme Hospital, Suleja	9°11'25.18" N	7°10'44.00" E
16	Emeas Clinic/Maternity Home, Bida	9°04'36.95" N	5°59'25.57" E
17	Mustapha Specialist Hospital, Minna	9°38'11.47" N	6°32'42.39" E
18	St. Monica's Hospital Adikpo, Kwande Local Government Area Benue State	6°53'37.64" N	9°13'48.61" E
19	Grace Cottage Hospital, David Mark Bye- Pass	7°43'57.40" N	8°31'26.47" E
20	City Hospital Makurdi	7°44'06.25" N	8°31'52.75" E

21	Hospital of Immaculate Conception, Otukpo	7°43'07.86" N	8°51'10.73" E
22	Hope Hospital, Makurdi	7°44'38.53" N	8°30'30.41" E
23	Sobi Specialist Hospital Ilorin	8°32'09.86" N	4°32'22.36" E
24	Sadiku Hospital, Ekiti	8°28'51.83" N	4°33'31.00" E
25	Cottage Hospital, Adewole	8°28'49.87" N	4°33'40.02" E
26	Olanrewaju Hospital	8°29'22.08" N	4°34'04.91" E
27	Lifefount Hospital	8°28'33.80" N	4°34'00.59" E
28	Mafe Hospital/Maternity Home, Kabba	7°53'52.75" N	5°56'30.33" E
29	Jecila Hospital, Lokoja	7°47'44.00" N	6°43'38.05" E
30	Maria Gorette Hospital, Itobe, Anka Road	7°43'24.53" N	7°34'44.89" E
31	St Maegarets Hospital Lokoja	7°50'55.45" N	6°43'17.15" E
32	Rehoboth Women Hospital, Lokoja	7°47'55.59" N	6°42'05.79" E
33	Dalhatu Araf Specialist Hospital, Lafia	8°30'15.38" N	8°31'25.79" E
34	M&D Hospital Lafia	8°30'48.88" N	8°31'17.41" E
35	Misan Hospital, New Karu	9°01'02.21" N	7°37'57.38" E
36	Liva Shammah Hospital Limited, New Karu	9°01'55.45" N	7°36'08.98" E
37	Kowa Hospital, Lafia	8°29'58.40" N	8°31'20.66" E
38	Eldin Specialist Hospital, Jos	9°56'12.71" N	8°54'01.06" E
39	Maranatha Specialist Hospital, Rwang Pam, Jos	9°56'00.30" N	8°52'59.94" E
40	May hospital, Yelwa Road, Jos	9°57'06.21" N	8°53'10.63" E
41	Alps Hospital & Diagnostics, Rayfield Road, Barakin Larawi	9°50'48.14" N	8°53'20.31" E
42	Jos Private Medical Centre, Tudun Wada	9°54'07.24" N	8°53'30.78" E

Source: Researchers' Fieldwork (2020).

Table S2. Quantitative results of links between rough-handling of citizens and its associated health challenges.

	Variable	Affected frequency	Affected percentage (%)	Non affected frequency	Non affected percentage	Total frequency	Total percentage
1	Head injuries	227	49.8	229	50.2	456	100
2	Physical paralysis	45	17.6	211	82.4	456	100
3	Chest tightness as a result of tear gassing	294	64.5	162	35.5	456	100
4	Choking sensation and shortness of breath	304	66.7	152	33.3	456	100
5	Swallowing difficulties	268	58.7	188	41.2	456	100
6	Chemical burns	304	67	152	33	456	100

Source: Researchers' fieldwork (2020).

Table S3. Summary of information on the number of patients (evidence of negative health effects) treated in the selected hospitals for an 8-month period (March-October, 2020).

S/N	Patient cases	N. of patients treated	(%) N. of patients treated	Remarks
1	Rape	38	1.49	Very high
2	High blood pressure	72	2.84	High
3	Amputation	7	0.27	Bad
4	Death (extra judicial killing)	3	0.11	Very bad
5	Blurred vision	139	5.48	High
6	Bacterial vaginosis	87	3.43	High
7	Traumatic pelvic pain	106	4.18	High
8	Hepatitis	130	5.13	Very high
9	Vaginal discharge	45	1.77	Very high
10	Chlamydia	110	4.34	Very high
11	Nerve damage	97	3.83	High
12	Glaucoma	195	7.69	High
13	Eye cataracts	184	7.26	High
14	Vomiting	140	5.52	High
15	Drooling of the mouth	158	6.23	High
16	Corneal erosion	148	5.84	High
17	Coughing	283	11.16	Very high
18	Running nose	274	10.81	Very high
19	Swelling nose	290	11.44	Very high
20	Irritation of the lungs	28	1.10	High
	Total	2534	100	

Source: Fieldwork, 2020.