Supplementary Digital Content 1 Survey Questionnaire

Variable / Field Name	Field Type	Field Label	Choices, Calculatio ns, OR Slider Labels	Fie Id No te	Text Valid ation Type OR Show Slider Num ber	Text Valid ation Min	Text Valid ation Max	Identi fier?	Branching Logic (Show field only if)	Required Field ?	Custo m Align ment	Ques tion Num ber (surv eys only)	Matrix Group Name
country_name	dropd	Please indicate the location of your hospital by country	and Barbud Azerbaijan 16, Belarus 22, Bosnia Bulgaria 2 31, Camer Chad 35, C 39, Costa Ri Czechia 45 Republic 4 53, Eritrea 57, Fiji 5 64, German Guinea 70 Hungary 7 Ireland 81 Kazakhstan Kyrgyzstan 97, Libya 9 Madagascan 106, Malta Mexico 11 115, Monte (formerly Bi Netherlands Nigeria 12 129, Norwa	a 7, 12, E 17, I 17, I and I 7, Bur 5000 100	Argentina Bahamas Belgium Herzegovi kina Fasc 32, Cana 36, Chin 0, Cote d mark 4, uador 5, Estonia land 59, , Ghana ea-Bissau land 76, el 82, Ita Kenya 8 aos 93, chtenste 2, Malawi Marshall cronesia 116, M 119, Na 3, New Zerth Korea 0, Oman	a 8, Arn a 8, Arn l 13, Bah 18, Beliz ina 23, b 28, Bu da 33, Ca l 137, Ca l 14, Ca 6, Djibou 0, Egypt 55, Esw 6, France 66, Gree 1 71, Gu 71, Gu 71, Gu 71, Gu 71, Gu 1112, Ma 1112, Na 1111, Pa 1111, Pa 1111, Pa 1111, Pa	nenia 9, rain 14, rain 14, re 19, Bo Botswana rundi 2! Central A blombia 11, Croati ti 47, Do 151, El Sa atini (forr 61, Gabo ece 67, G yana 7; 77, Indono amaica ti 89, Ko 94, Leban ithuania 108, Ma bldova 1 117, Mo 120, Naur 124, Nicar orth Mac kistan 1	Australia Banglade enin 20, 24, Bra 26, Cabo V frican Rep 38, Come a 42, Cu ominica lvador ! nerly Swa 50 62, G Grenada 2, Haiti esia 78, 84, Japan sovo 90 on 95, I 100, Lux 104, Mal uritania 13, Mona cambique u 121, I ragua 12 edonia (fo 32, Palau	5, Angola 6, Antigua 10, Austria 11, esh 15, Barbados Bhutan 21, Bolivia azil 25, Brunei 26, erde 30, Cambodia aublic (CAR) 34, oros 197, Congo da 43, Cyprus 44, 48, Dominican 52, Equatorial Guinea aziland) 56, Ethiopia ambia 63, Georgia 68, Guatemala 69, 73, Honduras 74, Iran 79, Iraq 80, 85, Jordan 86, 0, Kuwait 91, esotho 96, Liberia embourg 101, dives 105, Mali 109, Mauritius 110, aco 114, Mongolia 118, Myanmar Nepal 122, 25, Niger 126, ormerly Macedonia) 1 133, Palestine ay 137, Peru 138,	У			

		cluster responses by geographical location)	46, Virginia 49, Wiscons				West Virg	rinia				
please_provide_th e_bed_cap	radio	Please provide the total number of licensed beds in your hospital.	1, 1-200 2, 201- 400 3, 401-600 4, >600							У		
please_provide_th e_total_n	radio	Please provide the total number of licensed intensive care unit beds at your hospital	1, 1-50 2, 51-100 3, 101- 150 4, > 150							у		
institution_type	check box	Please choose from the following options what best describes your institution	1, Academic 2, Private non- academic 3, Public non- academic 4, Other							у		
you_selected_othe r_option	text	You selected the "other" option. Please elaborate.							[institution_type(4)] = '1'	У		
please_describe_t he_charac	check box	Please describe the characteristics of your institution as it pertained to caring for the neurologically ill patients prior to the COVID-19	capability to professiona safely mana established evaluation a emergencie Level II NCC 6, Thromb trauma cent	1, Level I NCCU (advanced monitoring, surgical and medical treatments, the capability to provide physician fellowship and advanced practice professional training) 2, Level II NCCU (stabilize acutely ill patients and safely manage stable neurocritical disease processes, while having established relationships with Level I NCCUs) 3, Level III NCCU (emergent evaluation and stabilization of patients presenting with neurological emergencies and facilitate the transfer of these patients to Level I and Level II NCCUs) 4, Comprehensive stroke center 5, Primary stroke center 6, Thrombectomy capable stroke center 7, Non-stroke center 8, Level trauma center 9, Level II trauma center 10, Level III trauma center 11 Level IV trauma center 12, Non-trauma center								

			1						1	1		T
		pandemic										
		(check all that										
		may apply)			1	1	1	T				
nccu_organization	check	Please	1,						У			
	box	describe the	Geograph									
		organizational	ically									
		structure of	dedicated									
		your	NCCU 2,									
		neurocritical	Non-									
		care unit	geographi									
		(NCCU) prior	cally									
		to the COVID-	dedicated									
		19 pandemic	/mixed									
		(check all that	medical/s									
		may apply)	urgical									
			intensive									
			care unit									
what_is_the_bed_	radio	What is the	1, 1-10					[nccu_organization(у			
capacity_o		licensed bed	beds 2,					1)] = '1'	'			
		capacity of	11-20									
		your NCCU?	beds 3,									
		,	21-30									
			beds 4,									
			31 or									
			more									
			beds									
mixed_icu_beds	radio	What is the	1, 1-10					[nccu_organization(у			
		licensed bed	beds 2,					2)] = '1'	'			
		capacity of	11-20					_/, _				
		your mixed	beds 3,									
		intensive care	21-30									
		unit?	beds 4,									
		dine.	31 or									
			more									
			beds									
co_management_	check	Co-	1, Closed				1	[nccu_organization(
model	box	management	NCCU 2,					1)] = '1'				
model	501	model	Semi-					-/,				
		illouci	open/Se									
			mi-closed									
			NCCU 3,									
			NCCU 3,	l			L		l		l	l

			0						Τ	1			
			Open										
			NCCU										
co_mgt_model	radio	Co-	1, Open						[nccu_organization(У			
		management	intensive						2)] = '1'				
		model	care unit										
			2, Semi-										
			open/se										
			mi-closed										
			intensive										
			care unit										
			3,										
			Closed										
			intensive										
			care unit										
please_describe_in	check	Please	1, Neuroint	ensivi	sts with r	eurology	training	2, Neur	ointensivists with	У			
formatio	box	describe the	pulmonary										
		type of	Neurointen					_					
		intensivists	Neurointen					_	•				
		that attend to	Neurointen										
		the						_	y training 6, General				
		neurocritically							tical care training 7,				
		ill patients							ng 8, General				
		(check all that							eneral intensivists				
		may apply)	with surgica				ic traiiii	6 10, 0					
advanced_practice	yesno	Are advanced	With Sargio	1		T				У			
provider	yeshlo	practice								y			
_provider		providers/phy											
		sician											
		assistants											
		members of											
		your											
		neurocritical											
4		care team?				-					1	1	
do_you_currently_	yesno	Do you								У			
have_a_de		currently have											
		a dedicated											
		neurocritical											
		care/general											
		critical care											
		pharmacist?											
do_you_have_a_n	check	Please choose	1,							У			
eurocritica	box	from the	Neurocriti										

		following options the type of critical care or neurocritical care fellowships offered at your institution (Check all that may apply)	cal care fellowshi p 2, Non- neurocriti cal care fellowshi ps 3, None						
please_describe_r esident_t	check box	Please describe resident trainees that rotate in your NCCU (check all that may apply)	1, Anesthesi a 2, Neurolog y 3, Neurosur gery 4, Internal medicine 5, Emergenc y medicine 6, Pediatrics 8, Surgery 9, None 10, Other				У		
you_checked_teh_ other_opti	text	You checked the other option. Please elaborate.				[please_describe_re sident_t(10)] = '1'	У		
please_describe_f ellow_lev	check box	Please describe fellow-level trainees that rotate in your NCCU (check	1, Anesthesi a 2, Neurolog y 3, Neurosur gery 4,				У		

		all that may	Pulmonar			1				1	i e	
		apply)	y critical									
			care 5,									
			Anesthesi									
			a critical									
			care 6,									
			Pediatric									
			critical									
			care 7,									
			Surgical									
			critical									
			care 8,									
			Emergenc									
			y medicine									
			critical									
			care 9,									
			None									
			10, Other									
you_checked_the_	text	You checked	10, Other						[please_describe_fe	٠,,		
other_opti	text	the other							llow_lev(10)] = '1'	У		
other_opti		option. Please							110W_16V(10)] - 1			
		elaborate										
describe_the_time	check	From the	14 End of D	ocom	hor to M	id Januari	, 15 N/	id Januar	y to end of January	у		
_period_a	box	following							f February 2, End of	y		
_periou_a	DOX	options,							4, End of March to			
		please chose							Mid May 7, Mid to			
		the time							o end of June 10,			
		period when							nd July to Mid August			
		your hospital	12, Did no									
		experienced a	12, 514 110	conpe	ciice a	Juige yet	1 10, 50.	80 13 0118	01116			
		surge in the										
		COVID-19										
		cases (check										
		all that may										
		apply)										
ncc attending phy	vesno									v		
	,	•								,		
		care team										
		unavailable as										
		they were										
ncc_attending_phy sicians	yesno	Were any members of your critical								У		

	1	1	1	1					
		tested due to							
		COVID or							
		COVID-like							
		symptoms or							
		were							
		quarantined?							
how_many_neuro	radio	Please provide	6, 1-5%						
critical_car		an estimate of	7, 6-10%						
critical_car		the proportion	8, 11-						
		of your critical	20% 9,						
		care team							
			>20%						
		workforce	10, I don't						
		that were	know the						
		affected	exact						
			number,						
			but aware						
			that some						
			proportio						
			n was						
			affected						
			11, Not						
			applicabl						
			e						
unit_structure	radio	NCCU /CCU	1,				У		surge_planning
		location	Adequate				'		0- <u>-</u> 0
		(Contingency	time						
		plans for	available						
		surge	to plan						
		capacity)	ahead						
		capacity)	2, Some						
			time						
			(though						
			Inadequa						
			te) to						
			plan						
			ahead						
			3, Surge						
			hit us						
			before						
			any						
			planning						
			could be						

			thought						
			thought						
	<u> </u>		of						
nccu_staffing_cont	radio	NCCU /CCU	1,				У		surge_planning
ingency		staffing	Adequate						
		(Contingency	time						
		plans for	available						
		surge	to plan						
		capacity)	ahead						
			2, Some						
			time						
			(though						
			Inadequa						
			te) to						
			plan						
			ahead						
			3, Surge						
			hit us						
			before						
			any						
			planning						
			could be						
			thought						
1.0		NGCLI /GGLI	of						1 .
nccu_workflow_co	radio	NCCU /CCU	1,				У		surge_planning
ntingency		workflow	Adequate						
		(Contingency	time						
		plans for	available						
		surge	to plan						
		capacity)	ahead						
			2, Some						
			time						
			(though						
			Inadequa						
			te) to						
			plan						
			ahead						
			3, Surge						
			hit us						
			before						
			any						
			planning						
			could be						
	1		could be						

			thought of						
physicians	radio	The total number of NCC/CC physicians available to staff your neurocritical care service	1, No change 2, Reduced 3, Increased 4, Does not apply to my hospital set up				У		ncc_staffing
app_pa	radio	The total number of NCC/CC advanced practice providers/phy sician assistants available to staff your neurocritical care service	1, No change 2, Reduced 3, Increased 4, Does not apply to my hospital set up				У		ncc_staffing
resident	radio	The total number of resident trainees rotating on your neurocritical care service	1, No change 2, Reduced 3, Increased 4, Does not apply to my hospital set up				У		ncc_staffing
ncc_fellow	radio	The total number of NCC/CC fellows available	1, No change 2, Reduced 3, Increased				У		ncc_staffing

	1	1	T	 1			1		1	
			4, Does							
			not apply							
			to my							
			hospital							
			set up							
non_ncc_fellow	radio	The total	1, No					У		ncc_staffing
		number of	change							
		rotating CC	2,							
		fellows from	Reduced							
		non-	3,							
		neurocritical	Increased							
		care	4, Does							
		fellowship	not apply							
		programs	to my							
			hospital							
			set up							
nurses	radio	The total	1, No					у		ncc_staffing
		number of	change					'		
		NCC/CC care	2,							
		nurses	Reduced							
		available to	3,							
		attend to the	Increased							
		neurocritically	4, Does							
		ill patients	not apply							
		<u>'</u>	to my							
			hospital							
			set up							
the_total_number	radio	The total	1, No					у		ncc_staffing
_of_ncc_cc		number of	change					, ,		
_000_00		NCC/CC	2,							
		pharmacist(s)	Reduced							
		priarmacist(s)	3,							
			Increased							
			4, Does							
			not apply							
			to my							
			hospital							
-+-ff:		NCCI I/CCI I	set up		 	 				
staffing	radio	NCCU/CCU	1, Yes 2,					У		nccu_structure
		remained in	No							
		its usual								
		location with								

		standard							
		staffing							
covid_cohort	radio	NCCU /CCU	1, Yes 2,				У		nccu_structure
		was partly or	No				'		
		completely							
		converted to a							
		COVID-							
		cohorting unit							
nonnccu_nccu	radio	All	1, Yes 2,				У		nccu_structure
		neurocritical	No				'		
		care patients							
		were admitted							
		to a non-							
		neurocritical							
		care unit and							
		managed by							
		neurocritical							
		care clinicians							
non_nccu_non_nc	radio	All	1, Yes 2,				У		nccu_structure
cu		neurocritical	No						
		care patents							
		were admitted							
		to a non-							
		neurocritical							
		care service							
		and managed							
		by non-							
		neurocritical							
		care clinicians							
some_nccu	radio	Some patients	1, Yes 2,				У		nccu_structure
		were admitted	No						
		to a non-							
		neurocritical							
		care unit but							
		were still							
		managed by							
		neurocritical							
		care clinicians							
some_nonnccu	radio	Some patients	1, Yes 2,				У		nccu_structure
		were admitted	No						
		to a non-							
		neurocritical							

	1		1			T	-	1	
		care unit and							
		managed by							
		non-							
		neurocritical							
		care clinicians							
regular_floor_beds	radio	Regular floor	1, Yes 2,				У		nccu_structure
_were_co		beds were	No						
		converted into							
		ICU beds							
emergency_room_	radio	Emergency	1, Yes 2,				У		nccu_structure
beds_were_c		room beds	No						
		were							
		converted into							
		ICU beds							
operating_rooms_	radio	Operating	1, Yes 2,				у		nccu_structure
were_conve		rooms were	No						_
_		converted into							
		ICU beds							
post_anesthesia_c	radio	Post-	1, Yes 2,				У		nccu_structure
are_unit		anesthesia	No				'		
		care unit							
		(PACU) beds							
		were							
		converted into							
		ICU beds							
overall_admission	radio	Number of	1, No				у		admissions
_to_neuro		admissions to	change in				,		
		neurocritical	the						
		unit / general	number						
		critical care	2,						
		unit	Reduced						
		a inc	number						
			3,						
			Increased						
			number						
patients_with_acu	radio	Patients with	1, No				у		admissions
te_ischem	74410	acute ischemic	change in				,		441113310113
		stroke	the						
		Stroke	number						
			2,						
			Reduced						
			number						
	1		number]	

			2						
			3, Increased						
		5	number						
patients_with_non	radio	Patients with	1, No				У		admissions
_traumati		non-traumatic	change in						
		intraparenchy	the						
		mal	number						
		hemorrhage	2,						
			Reduced						
			number						
			3,						
			Increased						
			number						
patients_with_ane	radio	Patients with	1, No				У		admissions
urysmal_s		aneurysmal	change in						
		subarachnoid	the						
		hemorrhage	number						
			2,						
			Reduced						
			number						
			3,						
			Increased						
			number						
patients_with_trau	radio	Patients with	1, No				У		admissions
matic_br		traumatic	change in						
		brain injury	the						
			number						
			2,						
			Reduced						
			number						
			3,						
			Increased						
			number						
patients_with_trau	radio	Patients with	1, No				у		admissions
matic_sp		traumatic	change in						
		spinal cord	the						
		injury	number						
		' '	2,						
			Reduced						
			number						
			3,						

_	1	1	T		1		T	1	1	
			Increased							
			number							
central_nervous_s	radio	Central	1, No					У		admissions
ystem_inf		nervous	change in							
		system	the							
		infections	number							
			2,							
			Reduced							
			number							
			3,							
			Increased							
			number							
status onilontique	radio	Status	1, No							admissions
status_epilepticus	radio							У		aumissions
		epilepticus	change in							
			the							
			number							
			2,							
			Reduced							
			number							
			3,							
			Increased							
			number							
neuromsucular_we	radio	Neuromuscula	1, No					У		admissions
akness_gbs		r weakness	change in							
		(GBS,	the							
		Myasthenia,	number							
		and others)	2,							
			Reduced							
			number							
			3,							
			Increased							
			number							
nost cardias arros	radio	Post-cardiac	1, No					.,		admissions
post_cardiac_arres	Taulo	arrest	change in					У		aulilissiolis
t_hypoxi										
		(hypoxic-	the							
		ischemic	number							
		encephalopat	2,							
		hy)	Reduced							
			number							
			3,							
			Increased							
			number							

acuta symptomati	radio	Acute	1, No				.,		admissions
acute_symptomati	radio						У		aumissions
c_hydrocep		symptomatic	change in						
		hydrocephalus	the						
		from CSF	number						
		shunt	2,						
		malfunction/i	Reduced						
		nfections	number						
			3,						
			Increased						
			number						
patients_s_p_surg	radio	Elective	1, No				У		admissions
ery_for_i		surgery for	change in						
/		intracranial	the						
		tumor	number						
			2,						
			Reduced						
			number						
			3,						
			Increased						
			number						
	d:	Elective							
patients_s_p_surg	radio		1, No				У		admissions
ery_for_r		surgery for	change in						
		repair of	the						
		unruptured	number						
		intracerebral	2,						
		aneurysm	Reduced						
			number						
			3,						
			Increased						
			number						
patients_s_p_endo	radio	Elective	1, No				У		admissions
vascular		endovascular	change in						
		repair of	the						
		unruptured	number						
		arteriovenous	2,						
		malformations	Reduced						
			number						
			3,						
			Increased						
			number						
			number						

other_neurourgica	radio	Other elective	1, No		1			у		admissions
l_and_non	Taulo	neurosurgical	change in					y		adimissions
1_4114_11011		cases	the							
		Cases	number							
			2,							
			Reduced							
			number							
			3,							
			Increased							
athan alastina na		Othernalastics	number		-					- double to a
other_elective_no	radio	Other elective	1, No					У		admissions
n_neurosu		non-	change in							
		neurosurgical	the							
		cases	number							
			2,							
			Reduced							
			number							
			3,							
			Increased							
			number							
was_any_virtual_n	yesno	Was any						У		
eurocriti		telemedicine								
		service								
		provided to								
		neurocritically								
		ill patients								
		during the								
		pandemic?								
the_telemedicine_	check	This	1,				[was_any_virtual_n	У		
provided	box	telemedicine	Remotely				eurocriti] = '1'			
		service was	2,							
		provided.	Locally							
		(check all that	3, Both							
		may apply)								
daily_lectures	radio	Daily lectures	1, In-					У		academic_administr
			person							ative_mission
			meeting							
			only 2,							
			Activity							
			was							
			canceled							
			3,							

	1	T		 ı — —		T	1		
			Virtual						
			medium						
			only 4,						
			In-person						
			meeting						
			plus						
			option to						
			attend in						
			a virtual						
			medium						
journal_club	radio	Journal Club	1, In-				У		academic_administr
			person						ative_mission
			meeting						
			only 2,						
			Activity						
			was						
			canceled						
			3,						
			Virtual						
			medium						
			only 4,						
			In-person						
			meeting						
			plus						
			option to						
			attend in						
			a virtual						
			medium						
gc	radio	Grand rounds	1, In-				У		academic_administr
			person						ative_mission
			meeting						_
			only 2,						
			Activity						
			was						
			canceled						
			3,						
			Virtual						
			medium						
			only 4, In-person meeting						
			plus						

	1			1	1	1	T	ı	1	1		-	
			option to										
			attend in										
			a virtual										
			medium										
quality_improvem	radio	Quality	1, In-								У		academic_administr
ent_or_mor		Improvement	person										ative_mission
		or mortality	meeting										
		and morbidity	only 2,										
		review	Activity										
			was										
			canceled										
			3,										
			Virtual										
			medium										
			only 4,										
			In-person										
			meeting										
			plus										
			option to										
			attend in										
			a virtual										
			medium										
faculty_or_multidi	radio	Faculty or	1, In-								у		academic_administr
sciplina	Taulo	multidisciplina	person								у		ative_mission
Scipilia		ry team	meeting										ative_iiii33i0ii
		meetings	only 2,										
		meetings	Activity										
			was										
			canceled										
			3,										
			Virtual										
			medium										
			only 4,										
			In-person										
			meeting										
			plus										
			option to										
			attend in										
			a virtual										
			medium										
lectures	radio	Daily lectures	1, No										attendance_virtual
			change						1				

	1	T		1				T			
			compared								
			to pre-								
			pandemic								
			numbrs								
			2,								
			Increased								
			participat								
			ion 3,								
			Reduced								
			participat								
			ion 4,								
			Meetings								
			were								
			canceled,								
			thus does								
			not apply								
faculty_and_staff_	radio	Faculty and	1, No						У		attendance_virtual
meetings		staff meetings	change						-		_
			compared								
			to pre-								
			pandemic								
			numbrs								
			2,								
			Increased								
			participat								
			ion 3,								
			Reduced								
			participat								
			ion 4,								
			Meetings								
			were								
			canceled,								
			thus does								
			not apply								
qi	radio	Quality	1, No						У		 attendance_virtual
		improvement	change								
		or mortality	compared								
		and morbidity	to pre-								
		meetings	pandemic								
			numbrs								
			2,								
			Increased								
			iliciedsed		ĺ	I	l		ĺ	1	

participat ion 3, Reduced participat ion 4, Meetings were canceled, thus does not apply jc radio Journal club 1, No change compared to prepandemic numbrs 2,
Reduced participat ion 4, Meetings were canceled, thus does not apply jc radio Journal club 1, No change compared to pre-pandemic numbrs
participat ion 4, Meetings were canceled, thus does not apply jc radio Journal club 1, No change compared to pre-pandemic numbrs
ion 4, Meetings were canceled, thus does not apply jc radio Journal club 1, No change compared to pre- pandemic numbrs
Meetings were canceled, thus does not apply jc radio Journal club 1, No change compared to pre-pandemic numbrs
were canceled, thus does not apply jc radio Journal club 1, No change compared to pre-pandemic numbrs
were canceled, thus does not apply jc radio Journal club 1, No change compared to pre-pandemic numbrs
canceled, thus does not apply jc radio Journal club 1, No change compared to pre-pandemic numbrs
thus does not apply jc radio Journal club 1, No change compared to pre-pandemic numbrs
jc radio Journal club 1, No change compared to pre-pandemic numbrs
jc radio Journal club 1, No change compared to prepandemic numbrs
compared to pre-pandemic numbrs
to pre- pandemic numbrs
to pre- pandemic numbrs
pandemic numbrs
Increased
participat
ion 3,
Reduced Reduced
participat
ion 4,
Meetings Meetings
were
canceled,
thus does thus does
not apply
grand_rounds radio Grand rounds 1, No y attendance_virtual
change
compared
to pre-
pandemic
numbrs
Increased Increa
participat
ion 3,
Reduced participat
Reduced participat ion 4,

		1	T			1	I	1	1 1	
			were							
			canceled,							
			thus does							
			not apply							
neurology_neuroin	radio	Neurology	1, All					У		deployment
tensivist		neurointensivi	providers							
		sts deployed	2, Some							
		to a COVID	providers							
		unit	3, No							
			providers							
			4, Not							
			applicabl							
			e to our							
			hospital							
pulmonary_critical	radio	Pulmonary	1, All					. V		deployment
	Taulo	critical care	providers					У		иерюуппепі
_care_de										
		neurointensivi	2, Some							
		sts deployed	providers							
		to a COVID	3, No							
		unit	providers							
			4, Not							
			applicabl							
			e to our							
			hospital							
anesthesia_critical	radio	Anesthesia	1, All					У		deployment
_care_d		critical care	providers							
		neurointensivi	2, Some							
		sts deployed	providers							
		to a COVID	3, No							
		unit	providers							
			4, Not							
			applicabl							
			e to our							
			hospital							
all_neurointensivis	radio	Emergency	1, All		 			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		deployment
	laulo	medicine	providers					У		depidyment
ts_were										
		neurointensivi	2, Some							
		sts were	providers							
		deployed to a	3, No							
		COVID unit	providers							
			4, Not							
			applicabl							

		1	1 .	1	1	1	T	1	l I	
			e to our							
			hospital							
all_neurocritical_c	radio	Neurocritical	1, All					У		deployment
are_adv		care advanced	providers							
		practice	2, Some							
		providers	providers							
		were	3, No							
		deployed to a	providers							
		COVID unit	4, Not							
			applicabl							
			e to our							
			hospital							
all_neurocritical_c	radio	Neurocritical	1, All					У		deployment
are_fel		care fellows	providers							
		were	2, Some							
		deployed in a	providers							
		COVID unit	3, No							
			providers							
			4, Not							
			applicabl							
			e to our							
			hospital							
all_neurocritical_c	radio	Neurocritical	1, All					У		deployment
are_nur		care nurses	providers					,		' '
_		were	2, Some							
		deployed to a	providers							
		COVID unit	3, No							
			providers							
			4, Not							
			applicabl							
			e to our							
			hospital							
clinical_pharmacist	radio	Clinical	1, All					У		deployment
S		pharmacists	providers					,		d.op.oye
, and the second		were	2, Some							
		deployed to a	providers							
		COVID unit	3, No							
		COVID WITH	providers							
			4, Not							
			applicabl							
			e to our							
			hospital							
	l]	Hospital			l]		

rot phy sould	radia	Retired	1 All		1		1,,		danlaumant
ret_phy_covid	radio		1, All				У		deployment
		physicians	providers						
		were	2, Some						
		reactivated	providers						
		and integrated	3, No						
		in the COVID	providers						
		unit	4, Not						
			applicabl						
			e to our						
			hospital						
retired_nurses	radio	Retired nurses	1, All				У		deployment
		were	providers						
		deployed to a	2, Some						
		COVID unit	providers						
			3, No						
			providers						
			4, Not						
			applicabl						
			e to our						
			hospital						
retired_physicians	radio	Retired	1, All				у		deployment
_were_re		physicians	providers						
		were	2, Some						
		reactivated	providers						
		and integrated	3, No						
		into a	providers						
		neurocritical	4, Not						
		care unit	applicabl						
			e to our						
			hospital						
retired_nurses_we	radio	Retired nurses	1, All				У		deployment
re_deploy		were	providers				'		
,		deployed to a	2, Some						
		neurocritical	providers						
		care unit	3, No						
		Care arm	providers						
			4, Not						
			applicabl						
			e to our						
nannaasn	radia	Non	hospital				 		donlaymant
nonnccsp	radio	Non-	1, All				У		deployment
		neurocritical	providers						

	I		12.6		I	1	I			
		care based	2, Some							
		physicians	providers							
		were	3, No							
		deployed to	providers							
		the	4, Not							
		neurocritical	applicabl							
		care unit	e to our							
			hospital							
nonnccsnurs	radio	Non-	1, All					У		deployment
		Neurocritical	providers							
		care based	2, Some							
		nurses were	providers							
		deployed to	3, No							
		the	providers							
		neurocritical	4, Not							
		care unit	applicabl							
			e to our							
			hospital							
nonnccsapp	radio	Non-	1, All					У		deployment
Поппесзарр	ladio	Neurocritical	providers					,		acployment
		care based	2, Some							
		advanced	providers							
		practice	3, No							
		providers	providers							
		were	4, Not							
		deployed to	applicabl							
		the	e to our							
		neurocritical	hospital							
	1.	care unit	4 4 11							
neurointensivists_	radio	Neurointensivi	1, All					У		deployment
deployed		sts were	providers							
		deployed to	2, Some							
		other ares of	providers							
		the hospital	3, No							
		such as	providers							
		wards/floor	4, Not							
			applicabl							
			e to our							
			hospital							
neurocritical_care	radio	Neurocritical	1, All					У		deployment
_pharmac		care	providers							
		pharmacists	2, Some							

	I	1			1	1	1	1	1	1	
		were	providers								
		deployed in a	3, No								
		COVID unit	providers								
			4, Not								
			applicabl								
			e to our								
			hospital								
nonnccvovid	radio	Non	1, All					У			deployment
		Neurocritical	providers								
		Care	2, Some								
		pharmacists	providers								
		were	3, No								
		deployed in	providers								
		the NCCU	4, Not								
			applicabl								
			e to our								
			hospital								
non_intensive_car	radio	Non intensive	1, All					У			deployment
e_pharmac		care	providers					'			' '
		pharmacists	2, Some								
		were	providers								
		deployed in	3, No								
		the COVID	providers								
		unit	4, Not								
			applicabl								
			e to our								
			hospital								
non_inten_nccu	radio	Non intensive	1, All					У			deployment
		care	providers					,			a opio / o
		pharmacists	2, Some								
		were	providers								
		deployed in	3, No								
		the NCCU	providers								
		the NCCO	4, Not								
			applicabl e to our								
non oritical care	radio	Non critical	hospital					+	-		donlovmort
non_critical_care_	radio		1, All					У			deployment
allied_n		care allied	providers								
		nursing	2, Some								
		providers	providers								
		(such as	3, No								

	1					1			1	
		CRNAs) were	providers							
		deployed in	4, Not							
		the COVID	applicabl							
		unit	e to our							
			hospital							
crnas_in_nccu	radio	Non critical	1, All					У		deployment
		care allied	providers							
		nursing	2, Some							
		providers	providers							
		(such as	3, No							
		CRNAs) were	providers							
		deployed in	4, Not							
		NCCU	applicabl							
			e to our							
			hospital							
critical_care_fello	radio	Critical care	1, All					У		deployment
w_train	radio	fellow	providers					,		acpidyment
W_Crain		trainees	2, Some							
		functioned at	providers							
		the level of a	3, No							
		critical care	providers							
		attending	4, Not							
		attenung								
			applicabl e to our							
	-11-	14/l 4	hospital	1	1					
what_measures_w	check	What	1,					У		
ere_put_in	box	measures	Learning							
		were put in	how to							
		place to	prone							
		educate	patients							
		critical care	2, Lecture							
		physicians,	on							
		nurses,	COVID-19							
		advanced	disease							
		practice	3, Lecture							
		providers, and	on the							
		pharmacists	managem							
		for	ent of							
		management	adult							
		of COVID-19	respirator							
		and for non-	y distress							
		neurocritical	syndrome							

			1:			I		I	
		care	in						
		physicians and	patients						
		nurses to	with						
		manage the	COVID-19						
		neurocritical	disease						
		ill patients?	4, Other						
		(Check all that							
		may apply)							
you_checked_othe	text	You checked				[what_measures_w	У	RH	
r_option_f		"other" option				ere_put_in(4)] = '1'	,		
		for the							
		previous							
		question.							
		Please clarify							
m+	radio	Availability of	1, No						dedicated_pharmac
pt	Taulo						У		
		a dedicated	change						ist
		physical	2,						
		therapist	Reduced						
			availabilit						
			y 3, Not						
			available						
			at our						
			hospital						
			4,						
			Available						
			only in a						
			virtual						
			medium						
ot	radio	Availability of	1, No				У		dedicated_pharmac
		a dedicated	change				,		ist
		occupational	2,						
		therapist	Reduced						
		tricrapist	availabilit						
			y 3, Not						
			available						
			at our						
			hospital						
			4,						
			Available						
			only in a						
			virtual						
			medium						

chaplain	radio	Availability of	1, No				У		dedicated_pharmac
		a healthcare	change						ist
		chaplain	2,						
			Reduced						
			availabilit						
			y 3, Not						
			available						
			at our						
			hospital						
			4,						
			Available						
			only in a						
			virtual						
			medium						
slp	radio	Availability of	1, No				1		dedicated_pharmac
sih	Taulo	speech and	change				У		ist
			change						ist
		language	2,						
		pathologist	Reduced						
			availabilit						
			y 3, Not						
			available						
			at our						
			hospital						
			4,						
			Available						
			only in a						
			virtual						
			medium						
social_worker	radio	Availability of	1, No				у		dedicated_pharmac
_		a social	change				'		ist
		worker	2,						
			Reduced						
			availabilit						
			y 3, Not						
			available						
			at our						
			hospital 4,				1		
							1		
			Available						
			only in a				1		
			virtual				1		
			medium						

cultural_mediator_	radio	Availability of	1, No	1					dedicated_pharmac
interpre	Taulo	a cultural					У		ist
interpre			change						ISL
		mediator/inte	2,						
		rpreter	Reduced						
			availabilit						
			y 3, Not						
			available						
			at our						
			hospital						
			4,						
			Available						
			only in a						
			virtual						
			medium						
availability_of_a_d	radio	Availability of	1, No				У		dedicated_pharmac
ieticia		a dietician	change				'		ist
To thold			2,						
			Reduced						
			availabilit						
			y 3, Not						
			available						
			at our						
			hospital						
			4,						
			Available						
			only in a						
			virtual						
			medium						
availability_of_a_n	radio	Availability of	1, No				У		dedicated_pharmac
ursing		a certified	change						ist
		nursing	2,						
		assistant	Reduced						
			availabilit						
			y 3, Not						
			available						
			at our						
			hospital						
			4,						
			Available						
			only in a						
			virtual						
			medium						
			medium						

		T	T =		ı	1	ı	1	1	ı	
availability_of_a_h	radio	Availability of	1, No					У			dedicated_pharmac
ousekee		a housekeeper	change								ist
			2,								
			Reduced								
			availabilit								
			y 3, Not								
			available								
			at our								
			hospital								
			4,								
			Available								
			only in a								
			virtual								
			medium								
hypertonic_saline_	radio	Hypertonic	1, No					у			pharmaceuticals
2_3_23_4	radio	saline (3%, 5%	change in					,			pharmaceaticals
2_3_23_4		23.4% saline	availabilit								
		or any	y 2,								
		compounded	Reduced								
			availabilit								
		preparation									
		i.e 2%)	y 3,								
			Unable to								
			obtain								
			4, Non-								
			formulary								
			/not								
			available								
			in my								
			country								
			5, I do not								
			know								
sodium_acetate_u	radio	Sodium	1, No	•				У			pharmaceuticals
sed_to_mak		acetate used	change in								
		to make	availabilit								
		hypertonic	y 2,								
		solutions such	Reduced								
		and 2% or 3%	availabilit								
		saline	y 3,								
			Unable to								
			obtain								
			4, Non-								
			formulary								

			1 , .		1		1	ı	
			/not						
			available						
			in my						
			country						
			5, I do not						
			know						
fludocortisone	radio	Fludocortison	1, No				У		pharmaceuticals
		е	change in						
			availabilit						
			y 2,						
			Reduced						
			availabilit						
			y 3,						
			Unable to						
			obtain						
			4, Non-						
			formulary						
			/not						
			available						
			in my						
			country						
			5, I do not						
			know						
slat_tabs	radio	Salt tabs	1, No				У		pharmaceuticals
			change in				'		,
			availabilit						
			y 2,						
			Reduced						
			availabilit						
			y 3,						
			Unable to						
			obtain						
			4, Non-						
			formulary /not						
			available						
			in my						
			country						
			5, I do not						
		<u> </u>	know						

		N 4 = 1 / 2 O	4 NI-						
mannitol	radio	Mannitol (20	1, No				У		pharmaceuticals
		or 25%	change in						
		solutions)	availabilit						
			y 2,						
			Reduced						
			availabilit						
			y 3,						
			Unable to						
			obtain						
			4, Non-						
			formulary						
			/not						
			available						
			in my						
			country						
			5, I do not						
			know						
propofol	radio	Propofol	1, No				у		pharmaceuticals
ргорогог	radio	11000101	change in				y		priarmaceaticais
			availabilit						
			y 2,						
			Reduced						
			availabilit						
			y 3,						
			Unable to						
			obtain						
			4, Non-						
			formulary						
			/not						
			available						
			in my						
			country						
			5, I do not						
			know						
dexmedetomidine	radio	Dexmedetomi	1, No				У		pharmaceuticals
		dine (vials or	change in						
		pre-mixed	availabilit						
		bags)	y 2,						
			Reduced						
			availabilit						
			y 3,						
			Unable to						

		1	1	1	1	I	1	I	1		
			obtain								
			4, Non-								
			formulary								
			/not								
			available								
			in my								
			country								
			5, I do not								
			know								
ketamine	radio	Ketamine	1, No						У		pharmaceuticals
Ketamine	radio	Returnine	change in						,		pharmaceaticals
			availabilit								
			y 2,								
			Reduced								
			availabilit								
			y 3,								
			Unable to								
			obtain								
			4, Non-								
			formulary								
			/not								
			available								
			in my								
			country								
			5, I do not								
			know								
acetaminophen_in	radio	Midazolam	1, No						У		pharmaceuticals
travenous	Taulo	IVIIdazolaiii	change in						y		priarriaceaticais
travenous			availabilit								
			y 2,								
			Reduced								
			availabilit								
			y 3,								
			Unable to								
			obtain								
			4, Non-								
			formulary								
			/not								
			available								
			in my								
			country								

			5, I do not						
			know						
lorazepam	radio	Lorazepam	1, No				у		pharmaceuticals
Югагерант	Taulo	Lorazepain	change in				y		priarmaccuticais
			availabilit						
			y 2,						
			Reduced						
			availabilit						
			y 3,						
			Unable to						
			obtain						
			4, Non-						
			formulary						
			/not						
			available						
			in my						
			country						
			5, I do not						
			know						
diazepam	radio	Diazepam	1, No				У		pharmaceuticals
			change in						
			availabilit						
			y 2,						
			Reduced						
			availabilit						
			y 3,						
			Unable to						
			obtain						
			4, Non-						
			formulary						
			/not						
			available						
			in my						
			country						
			5, I do not						
1 1	+		know						
benzodiazepines	radio	Rocuronium	1, No				У		pharmaceuticals
			change in						
			availabilit						
			y 2,						
			Reduced						
			availabilit	l				1	

	1		1	1		1	1			
			y 3,							
			Unable to							
			obtain							
			4, Non-							
			formulary							
			/not							
			available							
			in my							
			country							
			5, I do not							
			know							
neuromuscular_bl	radio	Vecuronium	1, No					У		pharmaceuticals
ockade	radio	vecar ornam	change in					,		priarmaceaticals
OCKAGE			availabilit							
			y 2,							
			Reduced							
			availabilit							
			y 3,							
			Unable to							
			obtain							
			4, Non-							
			formulary							
			/not							
			available							
			in my							
			country							
			5, I do not							
			know							
cisatracurium	radio	Cisatracurium	1, No					У		pharmaceuticals
			change in							
			availabilit							
			y 2,							
			Reduced							
			availabilit							
			y 3,							
			Unable to							
			obtain							
			4, Non-							
			formulary							
			/not							
			available							
			in my							
	1		птину		1				1	

					1	1	1	I		1	
			country								
			5, I do not								
			know								
atracurium	radio	Atracurium	1, No						У		pharmaceuticals
			change in								
			availabilit								
			y 2,								
			Reduced								
			availabilit								
			y 3,								
			Unable to								
			obtain								
			4, Non-								
			formulary								
			/not								
			available								
			in my								
			country								
			5, I do not								
			know								
phenobarbital	radio	Phenobarbital	1, No						у		pharmaceuticals
pricriobarbitar	Tadio	T Heriobarbitai	change in						y		priarriaccuticais
			availabilit								
			y 2,								
			Reduced								
			availabilit								
			y 3,								
			Unable to								
			obtain								
			4, Non-								
			formulary								
			/not								
			available								
			in my								
			country								
			5, I do not								
			know								
pentobarbital	radio	Pentobarbital	1, No						У		pharmaceuticals
			change in								
			availabilit								
			y 2,								
			Reduced								

	1				1	1	T	1	1	
			availabilit							
			y 3,							
			Unable to							
			obtain							
			4, Non-							
			formulary							
			/not							
			available							
			in my							
			country							
			5, I do not							
			know							
thionontal	radio	Thionontal						.,		pharmaceuticals
thiopental	Taulo	Thiopental	1, No change in					У		priarifiaceuticais
			availabilit							
			y 2,							
			Reduced							
			availabilit							
			y 3,							
			Unable to							
			obtain							
			4, Non-							
			formulary							
			/not							
			available							
			in my							
			country							
			5, I do not							
			know							
phenytoin	radio	Phenytoin	1, No					У		pharmaceuticals
p,		,	change in					,		F
			availabilit							
			y 2,							
			Reduced							
			availabilit							
			y 3,							
			Unable to							
			obtain							
			4, Non-							
			formulary							
			/not							
			available							

				1					1	1	
			in my								
			country								
			5, I do not								
			know								
fosphenytoin	radio	Fosphenytoin	1, No					У			pharmaceuticals
			change in								
			availabilit								
			y 2,								
			Reduced								
			availabilit								
			y 3,								
			Unable to								
			obtain								
			4, Non-								
			formulary								
			/not								
			available								
			in my								
			country								
			5, I do not								
			know								
levetiracetam	radio	Levetiracetam	1, No					у			pharmaceuticals
levelilacetaiii	Taulo	Levelli acetaiii	change in					y			pharmaceuticais
			availabilit								
			y 2, Reduced								
			availabilit								
			y 3,								
			Unable to								
			obtain								
			4, Non-								
			formulary								
			/not								
			available								
			in my								
			country								
	1		5, I do not								
			know				 				
valproic_acid	radio	Valproic	1, No					У			pharmaceuticals
	1	acid/valproate	change in								
				1	1	1	1	1	1	1	İ
1			availabilit								

			1			1	1	1	1	1	1
			Reduced								
			availabilit								
			y 3,								
			Unable to								
			obtain								
			4, Non-								
			formulary								
			/not								
			available								
			in my								
			country								
			5, I do not								
			know								
lacosamide	radio	Lacosamide	1, No					١,,			pharmaceuticals
lacosamilue	Taulo	Lacosaillide						У			priarrilaceuticais
			change in								
			availabilit								
			y 2,								
			Reduced								
			availabilit								
			y 3,								
			Unable to								
			obtain								
			4, Non-								
			formulary								
			/not								
			available								
			in my								
			country								
			5, I do not								
			know								
bronchodilators_m	radio	Bronchodilato	1, No					У			pharmaceuticals
di		rs	change in					,			'
		MDI/nebulizer	availabilit								
		s/other	y 2,								
		formulations	Reduced								
		Tormalations	availabilit								
			y 3,								
			Unable to								
			obtain								
			4, Non-								
			formulary								
			/not		l						

	1	1			1	ı	ı	1	1	
			available							
			in my							
			country							
			5, I do not							
			know							
acetaminophen_e	radio	Acetaminophe	1, No					У		pharmaceuticals
nteral_form		n (enteral	change in							•
_		formulation/in	availabilit							
		travenous	y 2,							
		formulation)	Reduced							
		or	availabilit							
		paracetamol	y 3,							
		paracetarilor	Unable to							
			obtain							
			4, Non-							
			formulary							
			/not							
			available							
			in my							
			country							
			5, I do not							
			know							
nicardipine	radio	Nicardipine	1, No					У		pharmaceuticals
			change in							
			availabilit							
			y 2,							
			Reduced							
			availabilit							
			y 3,							
			Unable to							
			obtain							
			4, Non-							
			formulary							
			/not							
			available							
			in my							
			country							
			5, I do not							
			know						1	
clevidipine	radio	Clevidipine	1, No					У		pharmaceuticals
			change in							
			availabilit							

		1			1	1	T	1	1	-	
			y 2,								
			Reduced								
			availabilit								
			y 3,								
			Unable to								
			obtain								
			4, Non-								
			formulary								
			/not								
			available								
			in my								
			country								
			5, I do not								
			know								
. 1		A11 11 1									
nimodipine	radio	Nimodipine	1, No					У			pharmaceuticals
			change in								
			availabilit								
			y 2,								
			Reduced								
			availabilit								
			y 3,								
			Unable to								
			obtain								
			4, Non-								
			formulary								
			/not								
			available								
			in my								
			country								
			5, I do not								
			know								
nefopam	radio	Nefopam	1, No		<u> </u>			У			pharmaceuticals
Петорані	radio	Neropam	change in					,			priarmaceaticals
			availabilit								
			y 2,								
			y ∠,								
			Reduced								
			availabilit								
			y 3,								
			Unable to								
			obtain								
			4, Non-								
			formulary								

	1		1	1	1	I		1		
			/not							
			available							
			in my							
			country							
			5, I do not							
			know							
fentanyl	radio	Fentanyl	1, No					У		pharmaceuticals
•			change in							
			availabilit							
			y 2,							
			Reduced							
			availabilit							
			y 3,							
			Unable to							
			obtain							
			4, Non-							
			formulary							
			/not							
			available							
			in my							
			country							
			5, I do not							
			know							
morphine	radio	Morphine	1, No					У		pharmaceuticals
			change in							
			availabilit							
			y 2,							
			Reduced							
			availabilit							
			y 3,							
			Unable to							
			obtain							
			4, Non-							
			formulary							
			/not							
			available							
			in my							
			country							
			5, I do not							
le cala e ca e ca e la ca		I bushes as a sur!	know	1	1				1	
hydromorphone	radio	Hydromorpho	1, No					У		pharmaceuticals
		ne	change in							

	1	1	1	ı —	1	ı	1		 	1	
			availabilit								
			y 2,								
			Reduced								
			availabilit								
			y 3,								
			Unable to								
			obtain								
			4, Non-								
			formulary								
			/not								
			available								
			in my								
			country								
			5, I do not								
			know								
alfentanil	radio	Alfentanil	1, No								pharmaceuticals
anentann	radio	Allentanii						У			pharmaceuticais
			change in								
			availabilit								
			y 2,								
			Reduced								
			availabilit								
			y 3,								
			Unable to								
			obtain								
			4, Non-								
			formulary								
			/not								
			available								
			in my								
			country								
			5, I do not								
			know								
sufentanil	radio	Sufentanil	1, No					у			pharmaceuticals
22.0		30.0	change in					'			r
			availabilit								
			y 2,								
			Reduced								
			availabilit								
			y 3,								
			Unable to								
			obtain								
			4, Non-	1							

	1				1	1	I	1	1	
			formulary							
			/not							
			available							
			in my							
			country							
			5, I do not							
			know							
remifentanil	radio	Remifentanil	1, No					У		pharmaceuticals
			change in					,		•
			availabilit							
			y 2,							
			Reduced							
			availabilit							
			y 3,							
			Unable to							
			obtain							
			4, Non-							
			formulary							
			/not							
			available							
			in my							
			country							
			5, I do not							
			know							
antimicrobials_anti	radio	Antimicrobials	1, No					У		pharmaceuticals
biotics		(antibiotics/an	change in							
		tivirals)	availabilit							
			y 2,							
			Reduced							
			availabilit							
			y 3,							
			Unable to							
			obtain							
			4, Non-							
			formulary							
			/not							
			available							
			in my							
			country							
			5, I do not							
			know							

indicate_if_any_ot	text	Indicate if any	1									
her_medi	lext	other										
ner_medi		mediations										
		were in short										
		supply during										
have over the door	-11-	the pandemic	4 11-1				· C :					
how_was_the_dru	check	How was the			•				n 2, Using oral	У		
g_shortage	box	drug shortage							4, Use of fentanyl			
		mitigated							for sedation 6, Use			
		during the						_	propofol based			
		pandemic?	sedation to									
		(Check all that							sedation 11, We			
		may apply)							d medications from			
							tner 10	, we ala	not experience any			
			critical care	arug	snortage I	S		1	T			
you_checked_othe	text	You checked							[how_was_the_dru	У		
r_response		the "other"							g_shortage(9)] = '1'			
		response to										
		the previous										
		question.										
		Please										
		elaborate										
lab_draws_and_pr	radio	Lab draws and	1, No							У		lab_imaging_and_o
ocessing		processing	change in									ther
			availabilit									
			y 2,									
			Reduced									
			availabilit									
			y 3,									
			Increased									
			availabilit									
			y 4,									
			Does not									
			apply to									
* ****	ma el! -	CT assure	my set up		 					ł		lala tanandore en el
ct_scans	radio	CT scans	1, No							У		lab_imaging_and_o
		(regular or	change in									ther
		routine,	availabilit									
		requiring	y 2,									
		intrahospital	Reduced									
		transport)	availabilit									
			y 3,									

			Increased availabilit						
			l availabilit						
			y 4,						
			Does not						
			apply to						
			my set up						
portable_ct_scan	radio	Portable CT	1, No				У		lab_imaging_and_o
		scan	change in						ther
			availabilit						
			y 2,						
			Reduced						
			availabilit						
			y 3,						
			Increased						
			availabilit						
			y 4,						
			Does not						
			apply to						
			my set up						
mris	radio	MRI	1, No				у		lab_imaging_and_o
111113	Taulo	IVIIVI	change in				У		ther
			availabilit						tilei
			y 2,						
			Reduced						
			availabilit						
			y 3,						
			Increased						
			y 4,						
transcranial_doppl	radio						У		
er		Doppler	change in						ther
			y 2,						
			Reduced						
			availabilit						
			y 3,						
			Increased						
		1		ì	i		1		
			availabilit						
transcranial_doppl er	radio	Transcranial Doppler	availabilit y 4, Does not apply to my set up 1, No change in availabilit y 2, Reduced				У		lab_imaging_and_o ther

	1	1	1	1	1	1		1	1	
			Does not							
			apply to							
			my set up							
duplex_scans	radio	Ultrasound	1, No					У		lab_imaging_and_o
			change in							ther
			availabilit							
			y 2,							
			Reduced							
			availabilit							
			y 3,							
			Increased							
			availabilit							
			y 4,							
			Does not							
			apply to							
			my set up							
echocardiograms	radio	Echocardiogra	1, No					у		lab_imaging_and_o
conocar arograms	radio	m	change in					,		ther
		'''	availabilit							
			y 2,							
			Reduced							
			availabilit							
			y 3,							
			Increased							
			availabilit							
			y 4,							
			Does not							
			apply to							
			my set up							
maniahanalli, mlaaa		Davimbanally								lab imparing and a
peripherally_place	radio	Peripherally placed central	1, No					У		lab_imaging_and_o
d_centra			change in							ther
		line	availabilit							
		placement	y 2,							
		team	Reduced							
			availabilit							
			y 3,							
			Increased							
			availabilit							
			y 4,							
			Does not							
			apply to							
			my set up							

please_indicate_if _you_obs	text	Please indicate if you observed changes in any								
		other areas								
		not specified above								
at_the_time_of_th	radio	At the time of	1, less					у		
is_survey	radio	this survey, it	than 2					, ,		
_ ,		has been _	weeks							
		weeks since	2, 2-4							
		the surge. Fill	weeks							
		in the blanks	3, greater							
		with the most	than 4							
		appropriate response	weeks 4, My							
		response	institutio							
			n did not							
			experienc							
			e any							
			surge in							
			patients							
			5, We are							
			still in the							
			midst of the surge							
location	radio	NCCU/CCU	1, Had a sur	ge and	d comple	telv		У		post_surge_follow_
location	14410	location	back to pre-					'		up
			Had a surge							'
			surge stand							
			of the surge							
			surge stand							
			of the surge			-				
			pre-surge st experience			id not				
			functioning							
			standards			erience				
			a surge but							
			standards		. 0					
nccu_physician_st	radio	NCCU/CCU	1, Had a sur	ge and	d comple	tely		у		post_surge_follow_
affing		physician	back to pre-							up
		staffing	Had a surge	, but f	unctionii	ng at				

			surge standards 3, In the midst of the surge and functioning at surge standards 4, In the midst of the surge, but functioning at pre-surge standards 5, Did not experience a surge and functioning at pre-surge standards 6, Did not experience a surge but functioning at surge standards				
nccu_nursing_staff ing	radio	NCCU/CCU nursing staffing	1, Had a surge and completely back to pre-surge standards 2, Had a surge, but functioning at surge standards 3, In the midst of the surge and functioning at surge standards 4, In the midst of the surge, but functioning at pre-surge standards 5, Did not experience a surge and functioning at pre-surge standards 6, Did not experience a surge but functioning at surge standards		У		post_surge_follow_ up
nccu_advanced_pr actice_pro	radio	NCCU/CCU advanced practice provider staffing	1, Had a surge and completely back to pre-surge standards 2, Had a surge, but functioning at surge standards 3, In the midst of the surge and functioning at surge standards 4, In the midst of the surge, but functioning at pre-surge standards 5, Did not experience a surge and functioning at pre-surge standards 6, Did not experience a surge but functioning at surge standards		У		post_surge_follow_ up
nccu_resident_trai nee_avai	radio	NCCU/CCU resident trainee availability	1, Had a surge and completely back to pre-surge standards 2, Had a surge, but functioning at surge standards 3, In the midst of the surge and functioning at surge standards 4, In the midst		У		post_surge_follow_ up

			of the surge, but functioning at pre-surge standards 5, Did not experience a surge and functioning at pre-surge standards 6, Did not experience a surge but functioning at surge standards				
nccu_fellow_availa bility	radio	NCCU/CCU fellow availability	1, Had a surge and completely back to pre-surge standards 2, Had a surge, but functioning at surge standards 3, In the midst of the surge and functioning at surge standards 4, In the midst of the surge, but functioning at pre-surge standards 5, Did not experience a surge and functioning at pre-surge standards 6, Did not experience a surge but functioning at surge standards		У		post_surge_follow_ up
nccu_admissions	radio	NCCU/CCU admissions	1, Had a surge and completely back to pre-surge standards 2, Had a surge, but functioning at surge standards 3, In the midst of the surge and functioning at surge standards 4, In the midst of the surge, but functioning at pre-surge standards 5, Did not experience a surge and functioning at pre-surge standards 6, Did not experience a surge but functioning at surge standards		У		post_surge_follow_ up
faculty_meetings	radio	Faculty meetings	1, Had a surge and completely back to pre-surge standards 2, Had a surge, but functioning at surge standards 3, In the midst of the surge and functioning at surge standards 4, In the midst of the surge, but functioning at pre-surge standards 5, Did not experience a surge and		У		post_surge_follow_ up

			functioning at pre-surge standards 6, Did not experience a surge but functioning at surge standards			
post_surge_journa l_club	radio	Journal club	1, Had a surge and completely back to pre-surge standards 2, Had a surge, but functioning at surge standards 3, In the midst of the surge and functioning at surge standards 4, In the midst of the surge, but functioning at pre-surge standards 5, Did not experience a surge and functioning at pre-surge standards 6, Did not experience a surge but functioning at surge standards		У	post_surge_follow_ up
post_surge_grand_ rounds	radio	Grand rounds	1, Had a surge and completely back to pre-surge standards 2, Had a surge, but functioning at surge standards 3, In the midst of the surge and functioning at surge standards 4, In the midst of the surge, but functioning at pre-surge standards 5, Did not experience a surge and functioning at pre-surge standards 6, Did not experience a surge but functioning at surge standards		У	post_surge_follow_ up
mortality_morbidit y_qualit	radio	Mortality & Morbidity / Quality improvement meetings	1, Had a surge and completely back to pre-surge standards 2, Had a surge, but functioning at surge standards 3, In the midst of the surge and functioning at surge standards 4, In the midst of the surge, but functioning at pre-surge standards 5, Did not experience a surge and functioning at pre-surge standards 6, Did not experience		У	post_surge_follow_ up

		1 .	٠								
		a surge but	tuncti	oning at	surge						
		standards									
please_choose_fro check	Please choose	1, NCCU/CC							У		
m_the_fol box	from the	the ICU (disp									
	following	partially or o	compl	etely							
	options areas	from its orig	ginal lo	ocation							
	in which you	since the pa	ndem	ic to							
	are currently	cohort COVI	ID pat	ients)							
	struggling	2, NCCU/CC	u staf	fing							
	with in	(physician/r									
	delivering care	3, NCCU/C									
	to the	(trainees)		J							
	neurocritically	NCCU/CCU		ow							
	ill.	(rounding/c									
	NCCU =	n) 5, NCCL									
	dedicated	(equipment									
	neurocritical	Other areas									
	care unit	specify	, pica.	, ,							
	CCU =	эрсспу									
	general/mixed										
	medical-										
	surgical										
	critical care										
	unit										
share sther beats	You chose							Inlance shapes for	 		
you_chose_other_ notes								[please_choose_fro	У		
option_pel	other option,							m_the_fol(6)] = '1'			
	please										
 	elaborate	5.0		1.1		C					
please_provide_de check	Please provide							n for patient safety	У		
tails_on box	a list of any							ern for the nurse to			
	quality	•					•	ent ratio 9, Concern			
	concerns you							rocritically trained			
	experienced							s cared for by non-			
	while	neurocritica			-			•			
	delivering care	providers)	11, O	ther 12	, We did	not expe	rience an	y quality concerns			
	to the										
	neurocritically										
	ill patients										
	during this										
	pandemic										
	(Check all that										
	may apply)										

you_checked_othe r_option_i indicate_your_inte rest_in	yesno	You checked other option in the previous question . Please elaborate Can we contact you for a 15-minute semi-				[please_provide_de tails_on(11)] = '1'	у	RH	
		structured interview?							
thank_you_for_yo ur_interes	text	Thank you for your interest in a semi-structured interview. In order to facilitate the interview process, please provide your e-mail address. (This will be a more discussion-based interview using openended questions pertaining to areas that we were unable to cover in the survey or questions for whom answer choices were		email		[indicate_your_inte rest_in] = '1'	У	RH	
		not provided							

					ı	1		1	I
		or other areas							
		you wish to							
		report)							
phone_number	text	Thank you for				[indicate_your_inte		RH	
		your interest				rest_in] = '1'			
		in a semi-							
		structured							
		interview. In							
		order to							
		facilitate the							
		interview							
		process,							
		please provide							
		a phone							
		number							
		where we can							
		reach you.							
we_woudl_like_to	text	For your							
_include_y	text	participation					У		
_include_y		in this study,							
		we would like							
		reviewed							
		publications							
		publications related to this							
		publications related to this study. Please							
		publications related to this study. Please provide us							
		publications related to this study. Please provide us with your full							
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