

1.	Hospital Name			· · · · · · · · · · · · · · · · · · ·				
2.	City							
3. Country								
4. How would you best describe your hospital? (select one only)								
	University affiliated	l University affiliated hospital						
	Community/District hospital – <u>Teaching</u>							
	Community/Distric	t hospital – <u>No</u>	n-teaching					
	□ Other							
5.	How many beds in to	tal does your h	ospital have? (select one respon	se only)			
	□≤250	□251- 499		500- 1000	□>100	00		
6.	What is the type of yo	What is the type of your ICU (predominantly)? (select one response only) If your ICU provides care for more than one type o						
	patient, select 'Mixed	I ICU'						
	🗖 Burns Unit	🗆 Car	diac ICU	Coronary 🗆	ICU	Medical ICU		
	Mixed ICU	🗆 Ne	urological/Neu	rosurgical ICU		Surgical ICU		
	Transplant ICU	🗆 Tra	uma ICU	□ Other				
7.	What is your ICU mod	lel of care? (sel	ect one respor	nse only)				
	-	Closed ICU: patients are cared for by 1 team of intensivists; only intensivists have admitting privileges to the ICU						
	-		-	-				
		□ Open ICU: any physician/surgeon can admit patients to the ICU; intensivists are available for consultation at the discretion of the responsible physician						
		Semi-closed: only intensivists have admitting privileges to the ICU but treat the patient in collaboration with other physician						
	□ Other							
8.	How many beds can be staffed in your ICU? (select one response only, relevant to the ICU participating in SAnDMAN)							
•••	-	□ 11-19	□ 20-29	□ ≥30	,,	•• · •• Fe:Fe:		
9.					on in vour l(CU? (select one response only)		
5.	-		□ 11-20	□ ≥21	on nyour re			
10	What is the number of				snonse only	a		
10.				501-1000				
		L 301-500		501-1000		0		
I	B. ICU STAFFING IN	FORMATION						
-			•					
1.	-	-	-	ICU TOP IVIECHANI	CALLY VENTI	ILATED patients? (select one response only)		
•		□ 1:3 □ 1:4						
2.	-	nurse to patier	t ratio in your	ICU for NON-MEC	HANICALLY	VENTILATED patients? (select one response		
	only)							
		□ 1:3 □ 1:4						
3.	-	-	-	-	-	s? (select one response only)		
	□ 1:5 □ 1:6-10				Other			
4.	Which of the following staff regularly work in your ICU? (select all that apply)							
	Trainee physician (non-critical care trainee)							
	Critical care/Anesthesiology trainee							
	□ Advanced Nurse P	ractitioner						

- □ Specialist Critical Care Nurse
- □ Senior physician (Attending/Consultant)





5.	Who provides out-of-hours (nights and weekends) senior clinical coverage ON SITE? (select all that apply)						
	□ Trainee physician (non-critical care trainee)						
	Critical care/Ane	esthesiology traine	ee physician				
	Advanced Nurse	Advanced Nurse Practitioner					
	Specialist Critica	l Care Nurse					
	Senior physician	□ Senior physician (Attending/Consultant)					
	□ None of the abo	ve					
	□ Other						
	🛛 Unknown/Not a	vailable					
6.							
	Anaesthesia		Critical Care/Intensive Care Medicine				
	Internal/General	l Medicine	Respiratory/Pulmonary medicine				
	□ Surgery		Family Medicine/General Practice				
	Emergency Med	icine	Neurology				
	□ Other						
7.	Do you have respira	tory therapists wo	orking in your ICU?				
	🗆 No	🗆 Yes	Unknown/Not available				
8.	Does a dedicated p	harmacist attend	daily ICU rounds (at least daily on weekdays)?				
	🗆 No	🗆 Yes	Unknown/Not available				
9.	Does your ICU have a dedicated physiotherapist (at least daily on weekdays)?						
	🗆 No	🗆 Yes	Unknown/Not available				
10.	10. Does your ICU have a mobility team, whose primary role is to mobilize the patient?						
	🗆 No	🗆 Yes	Unknown/Not available				
11.	11. Does your hospital have a music therapist?						
	🗆 No	🗆 Yes	Unknown/Not available				
12.	12. Does your hospital provide pet therapy, or permit the patient's own pet(s) to visit?						
	🗆 No	🗆 Yes	Unknown/Not available				
13.	13. How are patient rooms structured in your ICU? (select all that apply)						
	□ Single patient rooms		2 patients per room				
	More than 2 pat	ients per room:	Open plan ICU with cubicles/bed spaces				
14. What is your ICU visitor policy? (select one response only)							
	Open access 24 hours/day (other than brief periods for procedures, etc.)						
	Limited to specific times of the day						
	No visitors are permitted in the ICU						
	□ Other						



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C. ICU PRACTICES AND PROTOCOLS						
1.	Which of the following intravenous analgesics are available for use in your ICU? (select all that apply)					
	Acetaminophen/Paracetamol		Norphine	Hydromorphone		
	Fentanyl Sufentanil	D F	Remifentanil	Dezocine		
	🗆 Cannabinoids (e.g. Nabilone)		Other			
2.	Does your ICU routinely use a pain a	ssessment sca	le?			
	□ No □ Yes	🛛 Unknown	/Not available			
2.	1. If you responded 'Yes', please seled	t the scale(s) y	vou use (select al	ll that apply)		
	Behavioral Pain Scale (BPS)		Critical Care Pain	Observation Tool (CPOT)		
	Faces Pain Scale		Nociception Com	a Scale		
	Non-Verbal Pain Scale (NVPS)		Numeric Rating S	icale (NRS)		
	Verbal Descriptor Scale (VDS)		/isual Analogue S	Scale (VAS)		
	□ Other	🛛 Unknown	/Not available			
3.	Which of the following intravenous s	edatives are av	vailable for use i	in your ICU? (select all that a	apply)	
	🗖 Midazolam	🗆 Lorazepar	n	🗖 Diazepam		
	Propofol	🛛 Dexmede	tomidine	Clonidine		
	□ Ketamine	🛛 Thiopenta	al	Pentobarbital	🛛 Other	
4.	Does your ICU routinely use a sedati	on assessmen	t scale?			
I	□ No □ Yes □ Unk	nown/Not ava	ilable			
4.	1 If you responded 'Yes', please select	the scale(s) yo	ou use (select all	that apply)		
	□ Glasgow Coma Scale (GCS)					
	Motor activity assessment scal	e (MAAS)				
	 Ramsay scale Richmond Agitation-Sedation Scale (RASS) Riker Sedation-Agitation Scale (SAS) 					
	□ Other					
	Unknown/Not available					
5.	Does your ICU routinely use a deliriu	im assessment	scale?			
I	□No □Yes □Unk	nown/Not ava	ilable			
5.	 If you responded 'Yes', please select 	t the scale(s) y	ou use (select al	ll that apply).		
	□ 4AT Assessment test for delirium &	cognitive imp	airment			
	Confusion Assessment Method – ICU (CAM-ICU)					
	Delirium Motor Subtype Scale (DMSS)					
 Diagnostic and Statistical Manual of Mental Disorders 5th Edition (DSM-V) criteria Intensive Care Delirium Screening Checklist (ICDSC) 						
	Memorial Delirium Assessment Scale (MDAS)					
	Mini Mental State Examination (MMSE)					
	NEECHAM Confusion Scale					
	Nurses' Delirium Screening Checklist (NuDeSC)					
	Single Question in Delirium					
	Clinical Assessment only Other					
	Unknown/Not available					



lustes notionts for signs and summtanes of delivium in vour ICU2 (select all that annu)

Site # ____ ___

0.	_	aluates patients for signs and symptoms of deminden in	your ico: (select all that apply)							
		Consultant/Attending Intensivist								
		Trainee								
		Psychiatrist or Psychologist								
		ICU nurse								
		Other								
-		Not Applicable – our ICU does not assess patients for o								
7.		e if in your ICU you have any of the following protocols								
		hol withdrawal	Pain management							
		ium/agitation prevention or treatment protocol	☐ Mobilisation							
	-	ical restraint	Sedation management							
		of paralytic drugs (neuromuscular blocking agents)	Ventilator weaning/spontaneous breathing trial							
	🗆 None	e of the above	□ Other							
	🛛 Unkr	nown/Not applicable								
8.	Indicate	e if in your ICU you routinely (select all that apply)								
	Pract	tice an analgesia-first (prior to sedation) strategy								
 Use daily sedation-analgesia interruption / spontaneous awakening trial (unless contraindicated) Assess patients for iatrogenic opioid withdrawal Wean opioids slowly to prevent opioid withdrawal Perform daily spontaneous breathing trials (SBT) 										
					Use a mobility assessment tool (i.e. SOMS, PFIT, CPAx, FSS-ICU)					
					 Use physical restraints for agitated patients Provide extra-corporeal supportive technologies (e.g. ECMO) 					
	oxide, etc.)									
	□ None of the above									
	□ Othe	r								
		nown/Not applicable								
9.	Indicate the start time of the ICU day, as recorded in official documents in your ICU. For example, if your ICU counts the day									
5.		from the morning at 8:00 AM, input 08:00. If your unit counts the days from midnight (i.e. calendar day), input 00:00.								
: hh:mm										
		_ · · · · · · · · · · · · · ·								

D. COVID-19 DATA

- 1. Indicate the date when 50 confirmed or suspected COVID-19 patients were admitted to ICU in your country. If this information is not available/unknown, input 01/01/2001.
- 2. Did your Government/Institution/Hospital/National Society issue a safety warning on sedative/analgesia/neuromuscular blocker drug shortages during the COVID-19 pandemic?

□ No □ Yes □ Unknown/Not available

2.1 If you responded 'Yes', indicate when was the safety warning issued?

dd/mmm/yyyy ____ /___ ___/ ____ / ____ ___

- 2.2 Did your institution change sedation practice/drugs of choice following the warning? □ No □ Yes □ Unknown/Not available
- 3. Did your unit admit any COVID-19 patients during the pandemic?
 - □ No □ Yes □ Unknown/Not available
 - 3.1 If you responded 'Yes' to Q3., indicate when was the first COVID-19 patient admitted to your unit? dd/mmm/yyyy ____ /___ /___ /___ ___ /____ ___



3.2 Indicate what was the reason for their admission?

- COVID-19 related respiratory symptoms
- □ Other diagnosis and incidental SARS-CoV2 positive finding
- □ Unknown/Not available
- 4. Did your unit care for the same cohort of patients before and during the COVID-19 pandemic (i.e. you did NOT change the case-mix admitted to your ICU before and during the pandemic)? D No
 - □ Yes □ Unknown/Not available
- 5. Do you agree with any of the statements below regarding COVID-19 patients? (Select all that apply)
 - □ This cohort required higher doses of sedative drugs
 - □ This cohort required higher doses of analgesic drugs
 - □ This cohort required lower doses of sedative drugs
 - □ This cohort required lower doses of analgesic drugs
 - This cohort required muscle paralysis more frequently than other ICU patients
 - This cohort required muscle paralysis less frequently than other ICU patients
 - □ This cohort required higher incidence of ICU delirium
 - □ This cohort required lower incidence of ICU delirium