A 1-Day Point Prevalence Study about Delirium

Dear colleague

Thank you very much for participation in the worldwide one-day point prevalence study during the World Delirium Awareness Day March 15th 2023.

On the next pages you will find the survey. We are asking for some personal data such as country, years of experience, discipline, but moreover for current delirium-related structures and processes on your unit/ward.

The main question is: how many patients on your unit/ward are delirious at 8 a.m. in the morning and 8 p.m. in the evening on March 15th? We beg you to ask other clinicians and/or check the charts to be most accurate on this question. There will be more questions and information in the survey, of course.

The survey includes 39 questions and will take 15 minutes approximately. The survey is anonymous, and your participation is voluntary. You can stop your participation whenever you want. There is no chance to identify your personality or of your patients. The survey has been registered, has an ethic approval, and is based on the European law of data protection. These rights are reported in detail on the next page. Nevertheless, before performing the study, be sure that the national collaborator informed you about the legal requirements of the ethic approval and data protection in your country and health care setting. At the end of the survey, we will be asking you if you would like to be acknowledged!

By participating in this survey, you agree with these terms and conditions. Thank you!

The study team Peter Nydahl, Heidi Lindroth, Keibun Liu, and all national collaborators

Data protection

The survey follows the European Union's General Data Protection Regulation (GDPR). Participants have the rights

Right for information

You have the right for information about the personal data concerning you that will be collected, processed or, if necessary, transmitted to third parties within the framework of this project and to hand over a free copy (Article 15 GDPR).

Right to rectification

You have the right to correction of inaccurate personal data concerning you (Articles 16 and 19 GDPR).

Right to erasure

You have the right to erasure of personal data concerning you if this is possible (e.g. if this data is no longer necessary for the purpose for which it was collected and this is not precluded by any retention obligations (Articles 17 and 19 GDPR). Right to restriction of processing

Under certain conditions, you have the right to demand a restriction of processing, i.e. the data may only be stored, not processed. You must apply for this. Please contact the project management (Articles 18 and 19 GDPR). Right to data portability

You have the right to receive the personal data concerning you that you have provided to the person responsible for the project. You can request that this data be transmitted either to you or, as far as technically possible, to another body notified by you (Article 20 GDPR).

Right to object

You have the right to object at any time to specific decisions or measures regarding the processing of your personal data (Art. 21 GDPR, § 36 BDSG-new). Such processing does not take place afterwards.

Consent to the processing of personal data and right to withdraw this consent The processing of your personal data is only lawful with your consent (Article 6 GDPR). You have the right to withdraw your consent to the processing of personal data at any time.

Right to lodge a complaint with the competent supervisory authority for data protection

If you would like to exercise one of these rights, please contact the responsible project management or the data protection officers of the research team involved. Contact: in case you want to use any of these rights, please contact the primary investigator Dr. Peter Nydahl (Peter.Nydahl@uksh.de) or the representative of the department of data protection in the University Hospital of Schleswig-Holstein (datenschutzbeauftragter@uksh.de).

*	1.	Ву	clicking	the	box l	below	; I	confirm	that I	unde	rstood	the	above	text
		Yes	s, I confirn	1										

Please consider if you fulfill the inclusion criteria

Inclusion criteria:

I am working as a leading health care worker or representative (such as senior physician, physician in charge, nurse leader, nurse in charge, nurse- or unit/ward manager or similar professionals) in a health care setting with patients of all age groups, such as units/wards in hospitals and facilities including Emergency Department, Intensive Care Units, Intermediate Care Units, palliative units, wards, weaning centers, rehabilitation centers, or nursing homes. Included are all age groups (paediatric, adult, geriatric).

Exclusion criteria:

Former patients, family member or clinicians working in an ambulatory care service, or operation theatre.

2. By clicking on the button
$\hfill \bigcirc$ I confirm that I am fulfilling the inclusion criteria above
\bigcirc I do not fulfil the inclusion criteria (ending survey)

of the city and lata will not l and not forwa	iple participants from single ward or units, we ask you for the name of the ward/unit, where you are collecting data. These be part of the main data evaluation and will be kept confidentially arded to others. These data will be kept for three months on the survey, and deleted afterwards
3. What is the r	name of the city, where the hospital is located, e.g. "Hamburg"
l. What is the o	official name of your ward or unit (no nicknames, please), e.g. "C114"?

Sociodemographic data 5. What is your profession? (There are a lot of different professions and qualification in

health care; please tick this profession which is closest to your own profession)
Assistant (any type, e.g. unit assistant, nurse assistant, rehab assistant)
_ Lecturer
Manager
○ Nurse
Nutrionist/Dietician
Occupational Therapist
O Pharmacist
Physician
Physical Therapist
Researcher
Respiratory Therapist
Speech and Swallow Therapist
Technician
Other
6. Are you in a leading position on your unit/ward?
o. The you in a reduing position on your aim, ward.
Yes
Yes
Yes Yes, partly
Yes Yes, partly No
Yes Yes, partly No No No, but I am completing this survey on behalf of someone else
Yes Yes, partly No No No, but I am completing this survey on behalf of someone else
Yes, partly No No, but I am completing this survey on behalf of someone else Do not know/Unsure
Yes, partly No No, but I am completing this survey on behalf of someone else Do not know/Unsure 7. What is the number of years of clinical experience on your unit/ward?
Yes, partly No No, but I am completing this survey on behalf of someone else Do not know/Unsure 7. What is the number of years of clinical experience on your unit/ward?
Yes, partly No No, but I am completing this survey on behalf of someone else Do not know/Unsure 7. What is the number of years of clinical experience on your unit/ward? <
Yes, partly No No, but I am completing this survey on behalf of someone else Do not know/Unsure 7. What is the number of years of clinical experience on your unit/ward? <>5 <10 <10 <15

Hospital data
Please, provide the following data about the hospital you are working in
8. Please select the country where the hospital is located
Other (please specify)
9. Please provide the number of beds in your hospital
<250
<500
<750
<1000
<1500
○ ≥1500
10. Type of hospital
University hospital
University-related/affiliated hospital
Community hospital

Nursing home

O Private hospital

Others

Rehabilitation center

Unit/ward data

Please provide following information about your Unit/ward

11. The majority ($> 75\%$) of your patients belong into following age group
O-17 years
18-75 years
>75 years
Mixed
12. The discipline you are working, can be described as
Medical/non-surgical
Surgical
Palliative
Respiratory/weaning
Rehabilitation
O Long care
Mixed/general
Other
13. The ward or Unit you are working is
Emergency Department
General Ward
High acuity, Intermediate Care, or Intensive Care Unit
Rehabilitation Facility
Nursing Home
Other
14. Please report the number of beds on your unit/ward in full numbers (e.g. "12")

Pain management (assess, prevent and manage pain)
Spontaneous Awakening Trial (SAT) management
Spontaneous breathing trial (SBT) management
Sedation management
Delirium management (assess, prevent and manage Delirium)
Dementia
Mobility and exercise
Family engagement and empowerment
Nutrition management
Sleep
Physical restraint
] ICU Diaries
None of the above
Other (please specify)

Delirium related structures and processes	Delirium	related	structures	and	processes
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Please, provide all delirium related structures and processes
16. Do you provide delirium-awareness-interventions on this ward/unit (tick all that apply)
At least one educational training about delirium in the last year
Delirium flyer for the staff
Delirium is mentioned in handovers
Pocketcards for delirium assessment/management
Informational Posters about delirium
Delirium experts, known by the team and dedicated for delirium care
Communication of delirium screening rate on your unit/ward
None
Other (please specify)

17. Delirium Assessment: What type of delirium assessment do you use on this ward/unit? (In case of multiple assessment, tick all that apply)
Personal judgement
☐ 3DCAM
4AT
bCAM
CAM
CAM-ICU
CAMICU-7
CAPD
DTS
DSM-IV criteria
DSM-V criteria
DSM-VI criteria
NU-DESC
PAED Scale
pCAM-ICU
Psychiatric counsel
SOS-PD
SQID
UB2
None
Other (please specify)
18. How often is delirium assessed?
Once per day (24h)
Twice per day (24h)
Thrice per day (24h)
More than thrice per day (24h)
Only at admission
Only in case of sudden changes of consciousness (withdrawn, agitation, disorientation, inappropriate behavior)
Other (please specify)

	Nurse
	Physician
	Psychiatrist
	Geriatrician Consider delivirum tonom (common definicipilita inclinario tonom)
	Specific delirium team (composed of multidisciplinary team)
	Mixed professions
	None
\bigcirc	Other

Delirium prevalence on March 15th 2023 in the morning
Delirium data at March 15th 2023 at 8 a.m. in the morning (if not exactly feasible,
at least close to this timepoint including +/- 4 hours)
We would like to know the delirium rate on your unit/ward. Please check the charts/records and/or ask responsible clinicians to be most accurate. Please enter full numbers (e.g. "4"), no range or percent
20. Total patients : How many patients were present on the ward/unit in the morning at 8
a.m.?
21. Assessed patients : How many patients were assessed for delirium by using the above
reported assessment?
22. Delirious patients : How many patients were assessed positive for delirium by using
the above reported assessment?
23. Non-delirious patients: How many patients were assessed free of delirium by using
the above reported assessment?
24. Not assessable/unclear patients: How many patients were not assessable for
delirium (e.g. comatose, sedated, disturbed consciousness, too sleepy, away for
procedures, aphasic, different language, or else) and/or had unclear results by using the
above reported assessment (e.g. unclear care of delirium superimposed on
dementia/depression, or else)?

WDAD Prevalence rate in the evening
Delirium data at March 15th 2023 at 8 p.m. in the evening (if not exactly feasible, at least close to this timepoint including +/- 4 hours)
We would like to know the delirium rate on your unit/ward. Please check the charts/records and/or ask responsible clinicians to be most accurate. Please enter full numbers (e.g. "4"), no range or percent
25. Total patients : How many patients were present on the ward/unit in the evening at 8 p.m.?
26. Assessed patients : How many patients were assessed for delirium by using the above reported assessment?
27. Delirious patients : How many patients were assessed positive for delirium by using the above reported assessment?
28. Non-delirious patients : How many patients were assessed free of delirium by using the above reported assessment?
29. Not assessable/unclear patients : How many patients were not assessable for delirium (e.g. comatose, sedated, disturbed consciousness, too sleepy, away for procedures, aphasic, different language, or else) and/or had unclear results by using the above reported assessment (e.g. unclear care of delirium superimposed on dementia/depression, or else)?

F	Assistants/Service
N	Nurses
N	Nutritionist/Dietician
	Occupational Therapist
F	Pharmacist
F	Physician
F	Physical Therapist
F	Priest/religious Support
F	Psychologists/Psychiatrist
F	Respiratory Therapist
	Speech and Swallow Therapist
Т	Technician
	Other

Non-pharmacological prevention and treatment 31. Do most patients (>50%) on your unit/ward receive routine non-pharmacological interventions (at least once per shift) for delirium prevention and treatment? (Click all that apply) Mobilization (sitting on the edge of bed or more, daytime) Pain management Bed boarder Physical restraints (e.g. on wrists and others) Provision of day- and night rhythm Adequate fluids Provision of vision- and hearing and mobility aids Cognitive stimulation, e.g. provision of newspapers, TV, music, other Verbal re-orientation Open or liberal visiting times for families (daytime) Non-disturbed sleep (i.e., reduction of noise and light) Ear plugs, sleep glasses Family information Family engagement Sitters (beside the patient for longer time, mostly over hours) Multi-professional team rounds Avoidance of bladder tubes/catheters Multi-professional daily goals Sharing or communicating patient information about delirium Ground-leveled beds Activities in patient groups, e.g. singing, eating, doing exercises together, other

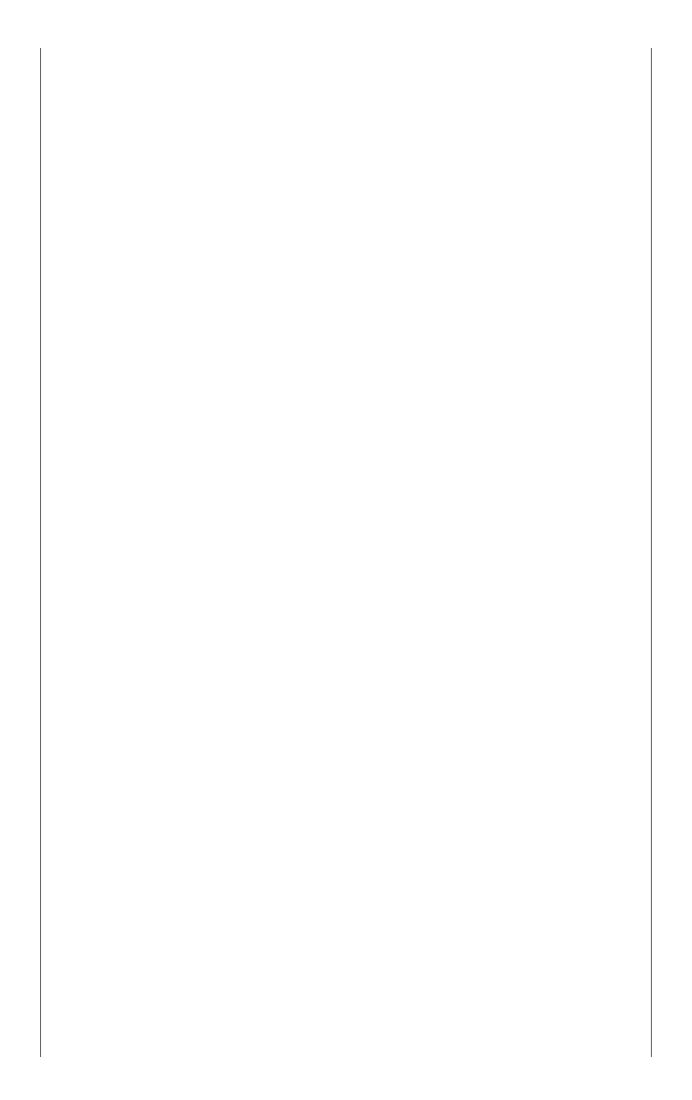
Animal assisted therapy

Other (please specify)

Special trained delirium/dementia carer

Going "outside" the unit/ward, eg hospital hall, garden, sunlight

20.1	acological treatment
	Do most delirious patients (>50%) of your unit/ward receive pharmacological
inte	rventions? (Click all that apply)
	Haloperidol
	Clonidine
	Melperone
	Risperidone
	Lorazepam
	Dexmedetomidine
	Diazepam
	Quetiapine
	Midazolam
	Distraneurin
	Melatonin
	Beta-blocker
	Levodopa
	Phenobarbital
	Reduction of potentially delirogenous drugs
	Evaluation of drugs by a specialist (e.g. geriatrician, pharmacists, or else)
	Do not know
	Other (please specify)
	In general, the pharmacological management on my ward/unit of patients in delirium click all that apply) Is based on a standard operation procedure (SOP), or protocol
	click all that apply)
	Is based on a standard operation procedure (SOP), or protocol
	click all that apply) Is based on a standard operation procedure (SOP), or protocol Includes pharmacologists
	click all that apply) Is based on a standard operation procedure (SOP), or protocol Includes pharmacologists Includes psychiatrist or delirium specific liaison team
	Click all that apply) Is based on a standard operation procedure (SOP), or protocol Includes pharmacologists Includes psychiatrist or delirium specific liaison team Is a more general approach, including a few pharmacological agents
	Elick all that apply) Is based on a standard operation procedure (SOP), or protocol Includes pharmacologists Includes psychiatrist or delirium specific liaison team Is a more general approach, including a few pharmacological agents Is a more individual approach, depending on patients, and side effects
	Elick all that apply) Is based on a standard operation procedure (SOP), or protocol Includes pharmacologists Includes psychiatrist or delirium specific liaison team Is a more general approach, including a few pharmacological agents Is a more individual approach, depending on patients, and side effects Depends on specific symptoms of each patient's delirium
	Elick all that apply) Is based on a standard operation procedure (SOP), or protocol Includes pharmacologists Includes psychiatrist or delirium specific liaison team Is a more general approach, including a few pharmacological agents Is a more individual approach, depending on patients, and side effects Depends on specific symptoms of each patient's delirium Is discussed with patients in most cases
	Elick all that apply) Is based on a standard operation procedure (SOP), or protocol Includes pharmacologists Includes psychiatrist or delirium specific liaison team Is a more general approach, including a few pharmacological agents Is a more individual approach, depending on patients, and side effects Depends on specific symptoms of each patient's delirium Is discussed with patients in most cases Is discussed with families in most cases
	Is based on a standard operation procedure (SOP), or protocol Includes pharmacologists Includes psychiatrist or delirium specific liaison team Is a more general approach, including a few pharmacological agents Is a more individual approach, depending on patients, and side effects Depends on specific symptoms of each patient's delirium Is discussed with patients in most cases Is discussed with families in most cases Is reported in handovers



Barriers
34. On this unit/ward, barriers against implementation and/or use of evidence-based strategies are (Click all that apply)
Lack of time to educate and train staff
Lack of awareness
Shortage of personnel/staff
No cost/resources for promoting at the department
Missing knowledge about delirium (i.e., treatment, assessment, etc.)
Communication gaps between professions
Missing attitude, delirium is not important
Not enough motivated staff
Leadership does not support
Lack of non-pharmacological interventions
Lack of pharmacological interventions
No appropriate scores for assessment of delirium
Patients who are difficult for assessment (dementia, dying, prematured)
Other problems are more challenging
Inter-professional conflicts
We have no barriers, delirium is regularly assessed, delirium-management is implemented, we go ahead
Other (please specify)

	nion, what sho	ould be high p	riority for d	elirium care	in the future? (fr	ree
ext)?						
			h			
6. In vour opi	nion, what sho	ould be high p	riority for de	elirium resear	ch in the future?	(free
ext)?	11011, Wilde 0110	ши 20 шул р	1101109 101 01			(220)
7. Would you	like to add any	comments (f	free text)?			

Final page							
Thank you very much. You are almost done.							
38. Optional code for sub-analysis In case, you pre-registered sub-analyses, please enter here the code you received, and report your data in the acknowledgement below. Code							
39. Your personal data If you would like to be acknowledged personally, we would be happy to include your name in an acknowledgement in future publications. If so, please enter your name, degrees, hospital, and email address (example: Dr. Peter Nydahl, University Hospital Schleswig-Holstein, Kiel, Germany. Peter.Nydahl@uksh.de)							
These data addresses will be handled confidentially and not forwarded to third parties. Only the research team will have access to these data. These data will be stored on the server of the survey for three months after the survey (June 15th, 2023), and deleted afterwards. The data will be used for publication, to acknowledge your contributions. Participation is voluntary. By entering your personal data, you agree to this approach. Your full Name (e.g. "Peter Nydahl")							
Your hightest scientific degrees (e.g. "Dr.")							
Your hospital, city and country (in case of multiple affiliations: use only one, please, e.g. "University Hospital, Kiel, Germany") Your email address							
(e.g. "Peter.Nydahl@uksh.d e")							