

ARE the BSCN/ANS Standards Helpful?



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Survey Purpose

- Over the past 6 yrs this group has carried out several audits/service evaluations
- The purpose of survey was to see if the group could find evidence of impact and specifically to ask the question:

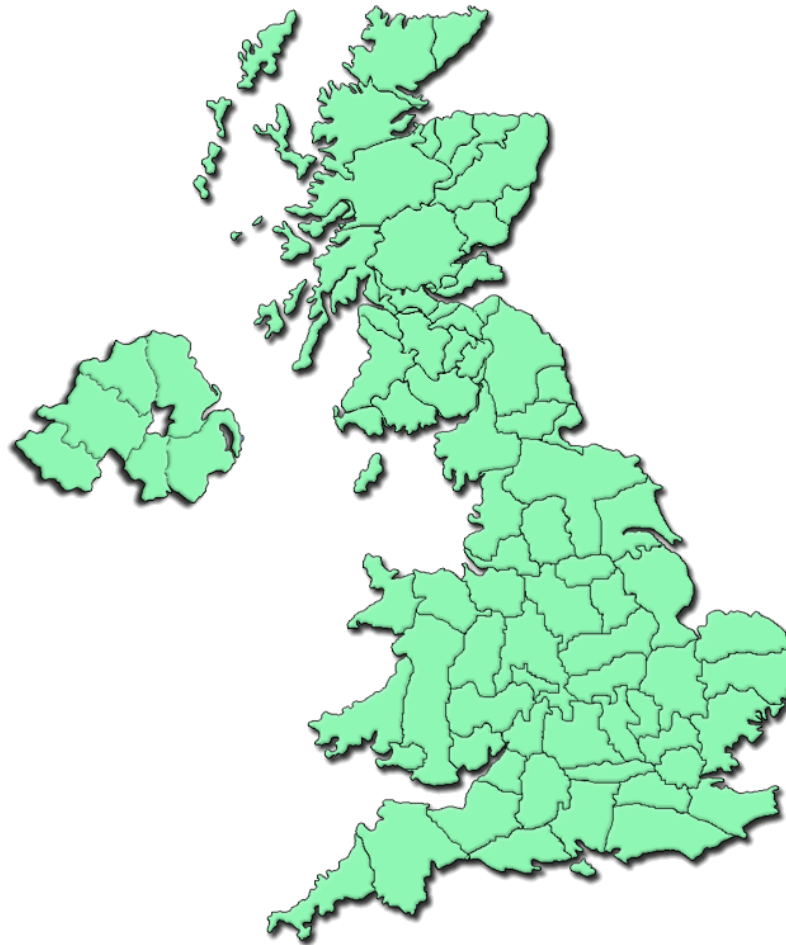
ARE the BSCN/ANS Standards Helpful?



Survey

Response
rate 67%

A survey
consisting of
several
themed
questions
was sent to
all
participating
departments
(82)



WCIN3BG
SM5 1AA
BA1 3NG
M8 5RB
BS105NB
SM13AX
CR77YE
WV100Q
CF144XW
WR5 1DD
CT1 3NG
PL6 8DH
B4 6NH
LI4 5AB
SO16 6Y
AL87AW
HX3 0PW
BH152JB
NI9 5NF
NN1 5BD
IV2 3UJ
NR4 7UY
KT160PZ
PO6 3LY
MI3 0JH

BI8 7QH
RM7 0AG
LU4 0DZ
EX2 5DW
BI5 2GW
SR4 7TP
G51 4TF
BS2 8BJ
TA15DA
EH4 2XU
IP4 5PD
CT1 3NG
CV2 2DX
BT12 6B
EI 1BB
SG141LP
CB20QQ
LS13EX
DT1 2JY
M6 8HD
GU27XX
NG7 2UH
PR2 9HT
ST4 6QG
HU3 2RW
BT146AB
YO318HE
SI0 2JF

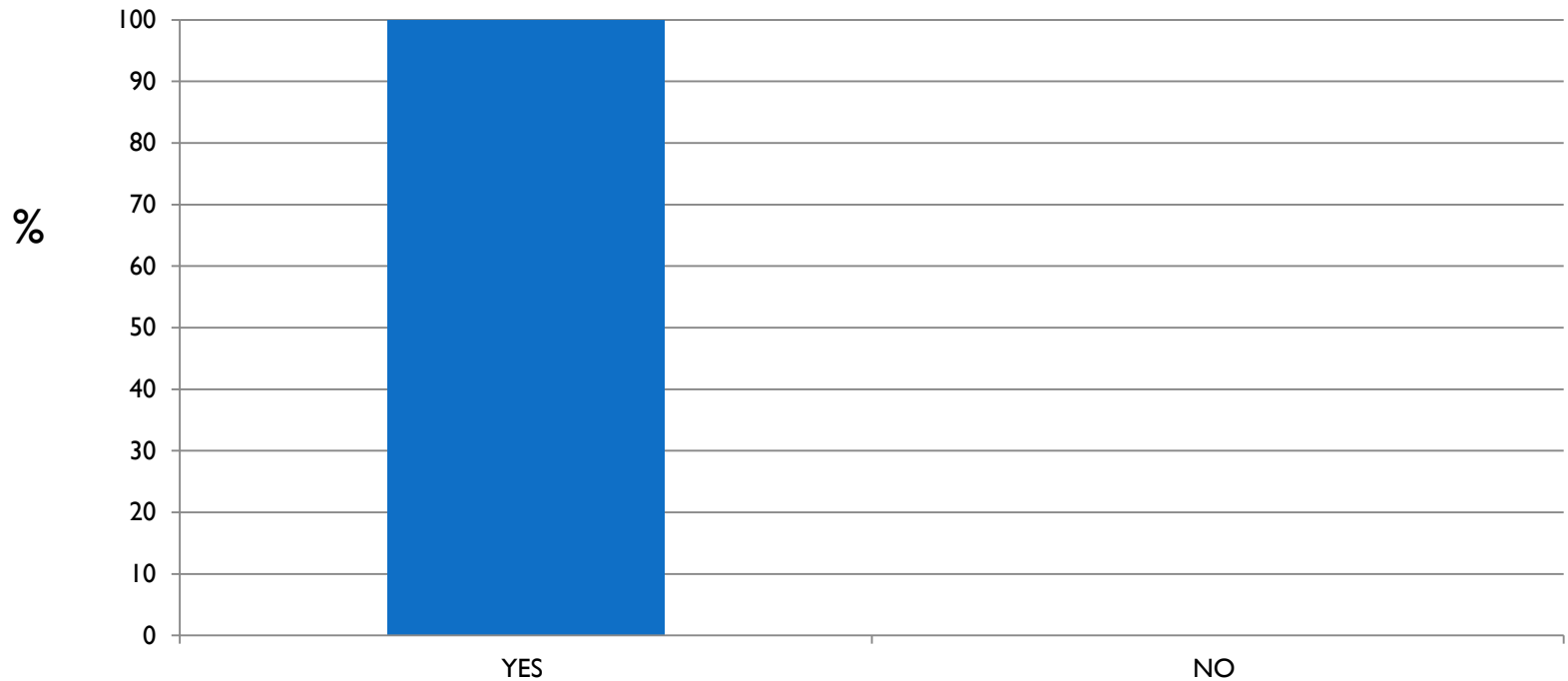
Survey responses



Question 1.



Are you aware that there are ANS/BSCN standards and guidelines?



Question 2

Which of the following are you aware of ?



- Safety guidelines for video telemetry investigation
- Guidelines for hyperventilation during EEG recording
- Guidelines for photic stimulation during EEG recording

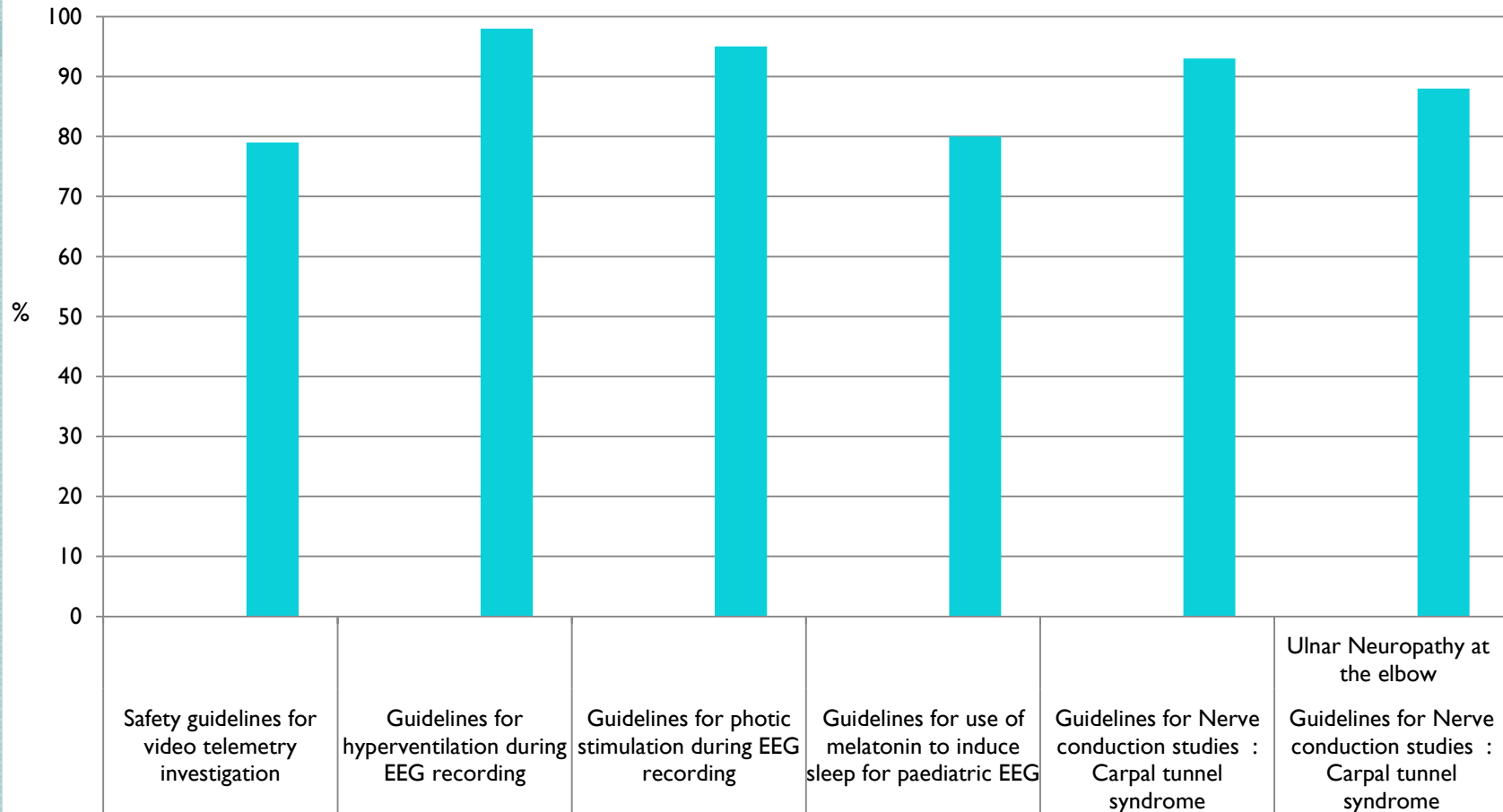
Guidelines for use of melatonin to induce sleep for paediatric EEG

- Guidelines for Nerve conduction studies : Carpal tunnel syndrome
- Guidelines for Nerve conduction studies : Ulnar Neuropathy at the elbow

Question 2



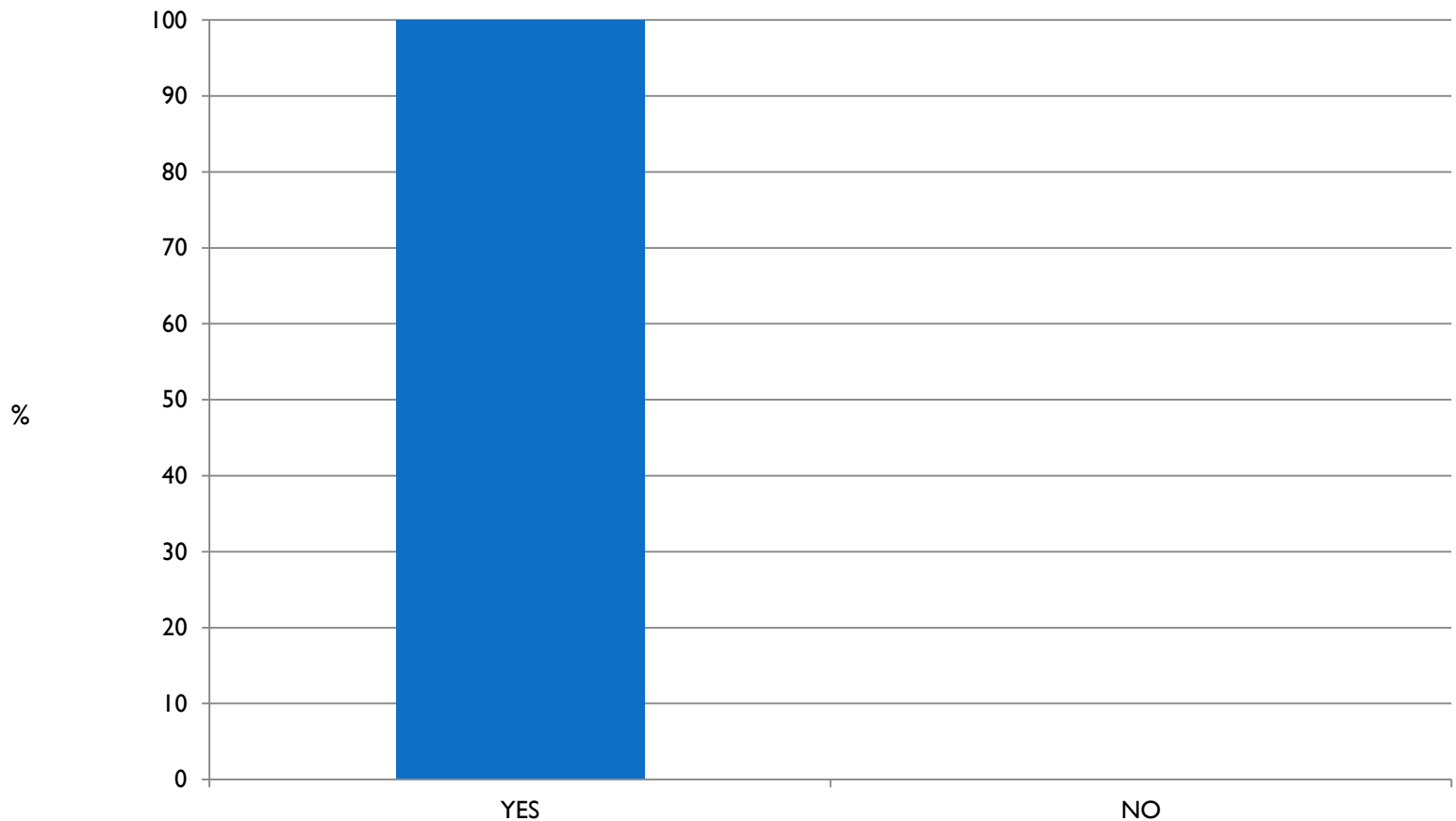
Which of the following are you aware of ?



Question 3



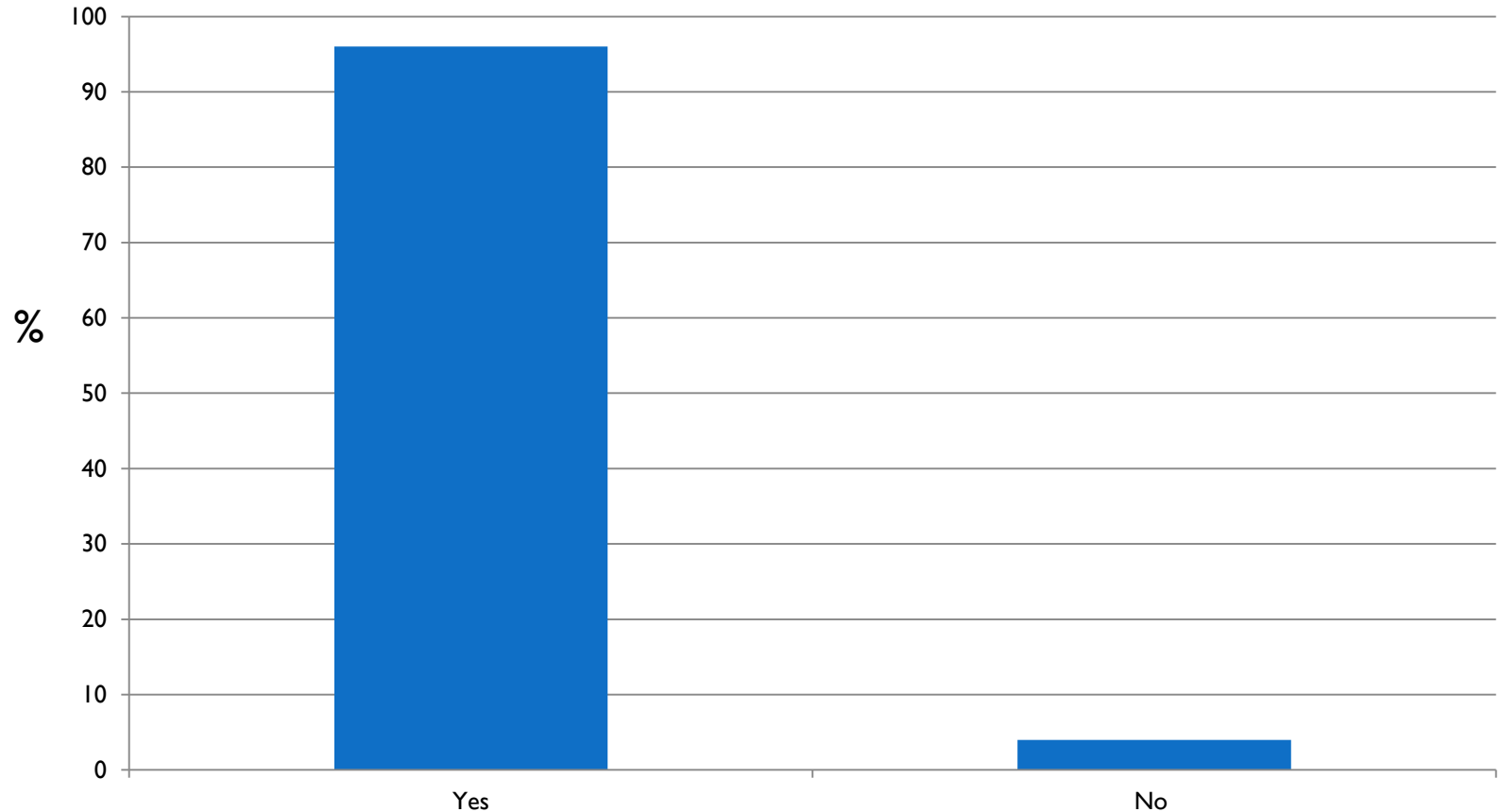
Do you think that having national guidelines/standards is useful?



Question 4



Have you incorporated any of the standards into your local protocols?



Question 5



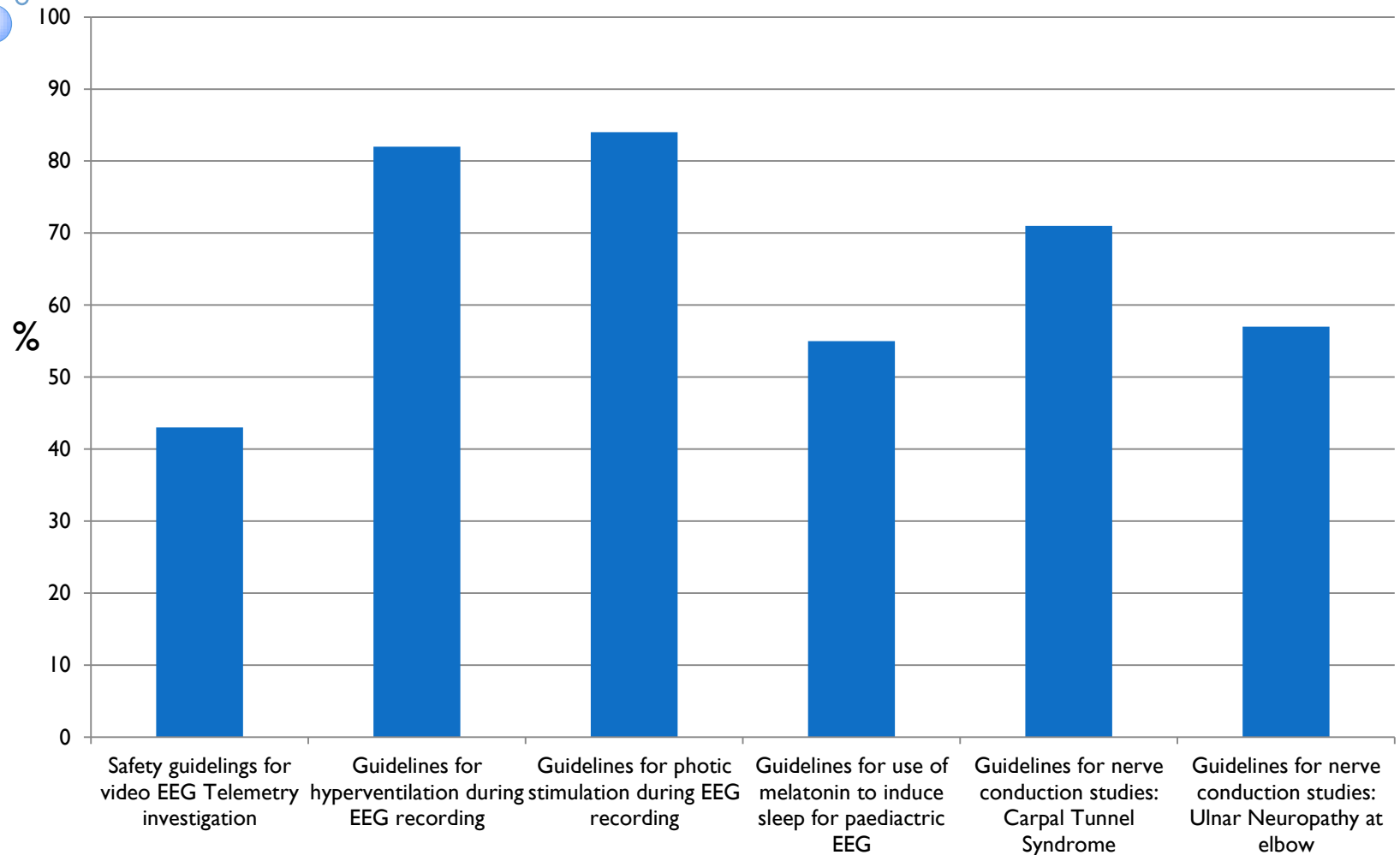
Which standards have you implemented?

- Safety guidelines for video telemetry investigation
- Guidelines for hyperventilation during EEG recording
- Guidelines for photic stimulation during EEG recording
- Guidelines for use of melatonin to induce sleep for paediatric EEG
- Guidelines for Nerve conduction studies : Carpal tunnel syndrome
- Guidelines for Nerve conduction studies : Ulnar Neuropathy at the elbow

Question 5



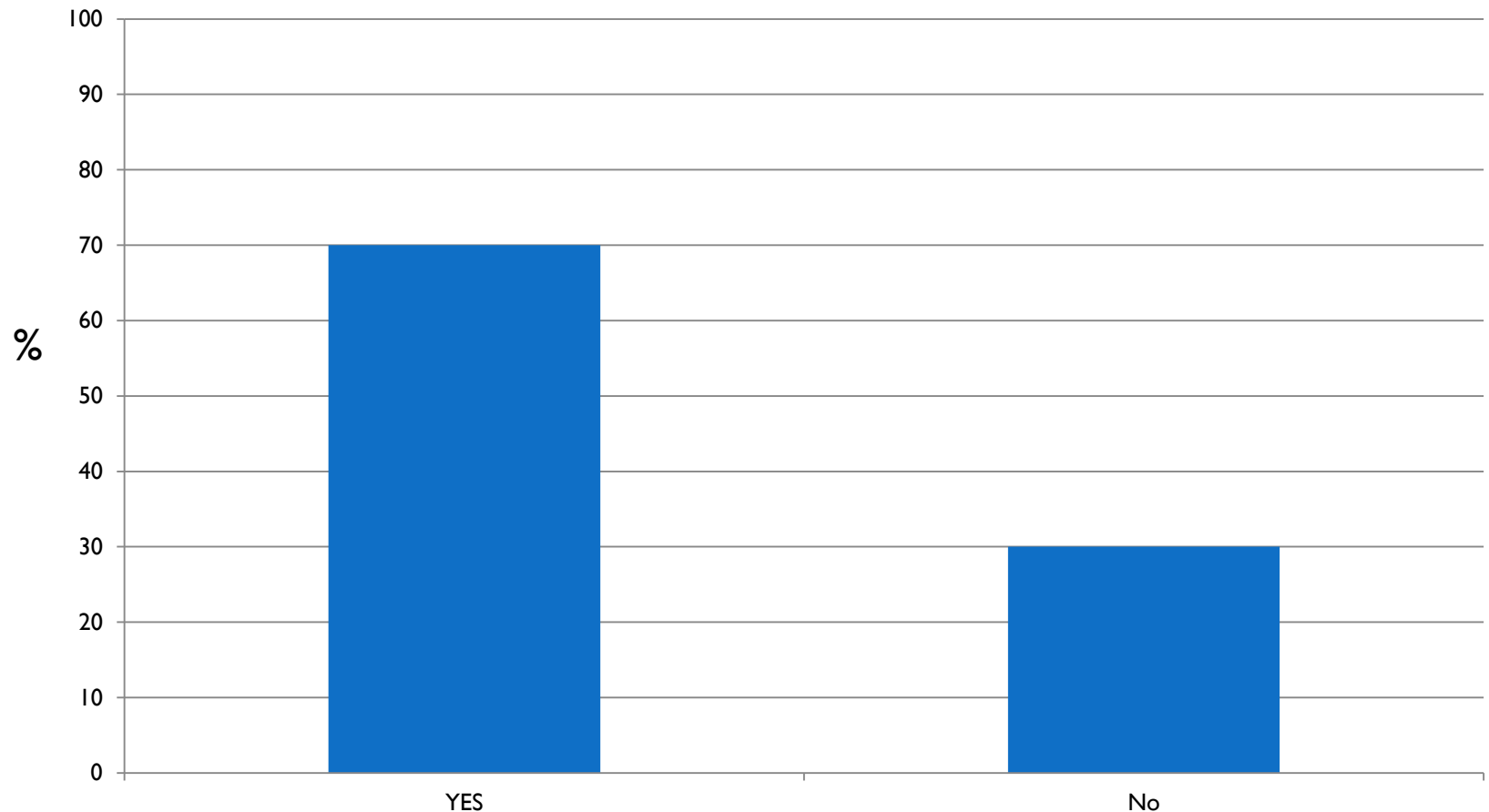
Which standards have you implemented?



Question 6



Have the standards/Guidelines resulted in a change in local protocol, further study or local audit?



Additional study/audit at local level

- Change in protocol for CTS - introduction of thermometer
- Photic - adherence to Trenite - sequence of flash rates tested; minimising accompanying relatives/carers
- Extended the age limit for carrying out photic stimulation and changed the way we deliver the photic frequencies, i.e instead of starting with 20Hz we now start at 1Hz.
- The standards/guidelines have prompted a change to local protocol
- Regular carpal tunnel audit
- Audit on ulnar nerve study as part of trainee MSC
- Teaching on ECG for physiologists in response to the guideline that physiologists should stop HV if there are ST segment changes.

Details of additional study/audit

- Local audit against guidelines and current practice.
- Performed local audits on CTS, Ulnar neuropathy, sedation EEGs with melatonin, and safety of videotelemetry units. We have directly audited against the BSCN/ANS standards.
- Updated Melatonin Protocol 2014; New Ulnar Neuropathy Protocol 2016; Updated CTS Protocol 2015; New Photic stimulation Procedure 2015.
- HV - length of time extended in some circumstances to 5/6 mins.
- Melatonin - we used the guidelines to introduce the use of melatonin in our department and to help us write our own protocol.
- primarily local protocols.

Details of additional study/audit

- We have audited adherence to some as a regional group, but hard to summarise our disparate practices
- Evoked potentials- normal values
- Review of VT standards against current practice - yet to be implemented in updated protocol
- Review of current practice and update of protocol to incorporate further contra-indications.
- Photic and melatonin to be reviewed at next Governance meeting.
- NCS guidelines for CTS/UNE, PN - all underpin our departmental guidelines for physiologists. Audit undertaken against standards, reaudit due September 2016
- Audit of ulnar neuropathy referrals is in process
- Update in progress
- Local audit pending

Details of additional study/audit

- Change of local guidelines, not further study. We have audited ulnar neuropathies against the guidelines.
- Guidelines for nerve conduction: ulnar neuropathy at elbow.
- Protocols altered in line with national guidelines. No further audits undertaken.
- We have performed audits on adherence to BSCN standards in: CTS, UNE Photic stimulation.

Details of additional study/audit

- Added to local protocols. Need to re-audit HV guidelines.
- Currently undertaking an audit on the safety of our video telemetry bay due to now having dedicated staff which have been implemented following the guidelines.
- Efficacy of melatonin sleep EEGs in paediatrics

IMPACT= Better Neurophysiological service for patients

All Our Efforts = IMPACT



Further comments about audit process

- All the recent guidelines have been pretty sensible.
- We find national audits as very helpful projects, keeping a National audit very important in the aim to standardise best practice, and complements local and Regional audit. standard one can adhere to.
- The production of the guidelines through audit has focussed national practice and provided benchmarks for good practice. The audit process has been well organised with timely reminders for information. The questionnaires are fairly straightforward, encouraging responses.

Further comments about audit process

- The Standards and Guidelines are just that, and are a good reference for those practicing Neurophysiology and those teaching techniques..
- It is very helpful to be aware of National Protocols
- National guidelines are very useful in designing local audits and maintaining standards of care of the department.

Mixed comments = Improvement



- Comments from study indicate a want/need for audit.
- A need to improve or maintain service through audit
- MORE Audit/Service evaluation and studies.

To continue the momentum it is all of us, together, to contribute in the next round and identify our need

TOGETHER.



