

Fig 1. Survey Instrument

Question

1. Complete if you are an NP:

Highest nursing degree:

MS

MSN

MBA

PhD/DNSc/DNP

2. Complete if you are an NP:

Are you licensed as an NP in your state/jurisdiction?

Yes

No

3. Complete if you are an NP:

Do you have prescriptive authority?

Yes

No

4. Complete if you are an NP:

Do you have a collaborative agreement with a physician?

Yes

No

5. Complete if you are an NP:

Are you also a CNS?

Yes

No

6. Complete if you are a CNS:

Highest nursing degree:

MS

MSN

MBA

PhD/DNSc/DNP

7. Complete if you are a CNS:

Are you licensed as a CNS in your state/jurisdiction?

Yes

No

8. Complete if you are a CNS:

Do you have prescriptive authority?

Yes

No

9. Complete if you are a CNS:

Do you have a collaborative agreement with a physician?

Yes

No

continued

Fig 1. Survey Instrument (continued)

Question

10. Please review the following definition and answer the questions below:

Direct Supervision: The physician supervisor/physician is immediately available onsite when the activity/ procedure is being performed.

Example 1: While the APN adjusts the halo brace the physician must be on the floor or in the unit.

Example 2: While the APN inserts a ventricular drain/ICP system in the ED, the physician must be in the room or remain in the department.

Is this definition clear?

Yes

No

11. Do you agree with the definition?

Yes

No

12. Comments:

13. Please review the following definition and answer the questions below.

Indirect Supervision: The physician/employer is available when the activity or procedure is being performed but is not onsite.

Example 1: The APN irrigates a ventricular drain in the ICU while the physician makes rounds in another unit well away from the ICU.

Is this definition clear?

Yes

No

14. Do you agree with the definition?

Yes

No

15. Comments:

16. Please review the following definition and answer the questions below.

Remote Supervision: The physician/employer is available by phone for verbal consultation, but is not physically present.

Example 1: The APN sees a noncritical patient in the ER and discusses case/ management with the physician, who is at home.

Example 2: The APN sees a VP shunt patient in the office while the physician is out of town and taps the shunt.

Example 3: The APN dictates charts while the physician is out of town.

Is this definition clear?

Yes

No

17. Do you agree with the definition?

Yes

No

continued

Fig 1. Survey Instrument (*continued*)

Question

18. Comments:

19. Do you perform insertion of intraventricular catheters, and under what degree of supervision?

Yes, under direct supervision

Yes, under indirect supervision

Yes, under remote supervision

No, I do not

20. Do you perform CSF aspiration/irrigation of intraventricular catheter, and under what degree of supervision?

Yes, under direct supervision

Yes, under indirect supervision

Yes, under remote supervision

No, I do not

21. Do you perform instillation of intraventricular medications via intraventricular catheters, and under what degree of supervision?

Yes, under direct supervision

Yes, under indirect supervision

Yes, under remote supervision

No, I do not

22. Do you perform administration of medications via intraventricular reservoir (i.e., Ommaya reservoir), and under what degree of supervision?

Yes, under direct supervision

Yes, under indirect supervision

Yes, under remote supervision

No, I do not

23. Do you perform insertion of intracranial monitoring devices, and under what degree of supervision?

Yes, under direct supervision

Yes, under indirect supervision

Yes, under remote supervision

No, I do not

24. Do you perform lumbar puncture, and under what degree of supervision?

Yes, under direct supervision

Yes, under indirect supervision

Yes, under remote supervision

No, I do not

continued

Fig 1. Survey Instrument (*continued*)

Question

25. Do you perform insertion of lumbar drains, and under what degree of supervision?
- Yes, under direct supervision
 - Yes, under indirect supervision
 - Yes, under remote supervision
 - No, I do not
26. Do you perform instillation of medications via lumbar drains, and under what degree of supervision?
- Yes, under direct supervision
 - Yes, under indirect supervision
 - Yes, under remote supervision
 - No, I do not
27. Do you perform halo traction adjustment, and under what degree of supervision?
- Yes, under direct supervision
 - Yes, under indirect supervision
 - Yes, under remote supervision
 - No, I do not
28. Do you perform halo traction removal, and under what degree of supervision?
- Yes, under direct supervision
 - Yes, under indirect supervision
 - Yes, under remote supervision
 - No, I do not
29. Do you perform application of invasive skeletal traction (i.e., Gardner-Wells tongs), and under what degree of supervision?
- Yes, under direct supervision
 - Yes, under indirect supervision
 - Yes, under remote supervision
 - No, I do not
30. Do you perform adjustment of invasive skeletal traction (i.e., Gardner-Wells tongs), and under what degree of supervision?
- Yes, under direct supervision
 - Yes, under indirect supervision
 - Yes, under remote supervision
 - No, I do not
31. Do you perform removal of invasive skeletal traction (i.e., Gardner-Wells tongs), and under what degree of supervision?
- Yes, under direct supervision
 - Yes, under indirect supervision
 - Yes, under remote supervision
 - No, I do not

continued

Fig 1. Survey Instrument (*continued*)

Question

32. Do you perform implanted pump (i.e., baclofen, fentanyl, etc.) refill, and under what degree of supervision?
- Yes, under direct supervision
 - Yes, under indirect supervision
 - Yes, under remote supervision
 - No, I do not
33. Do you perform programming or reprogramming of implanted pumps, and under what degree of supervision?
- Yes, under direct supervision
 - Yes, under indirect supervision
 - Yes, under remote supervision
 - No, I do not
34. Do you perform insertion of central venous catheters, and under what degree of supervision?
- Yes, under direct supervision
 - Yes, under indirect supervision
 - Yes, under remote supervision
 - No, I do not
35. Do you perform insertion of a peripherally inserted central catheter (PICC), and under what degree of supervision?
- Yes, under direct supervision
 - Yes, under indirect supervision
 - Yes, under remote supervision
 - No, I do not
36. Do you perform insertion of arterial catheters, and under what degree of supervision?
- Yes, under direct supervision
 - Yes, under indirect supervision
 - Yes, under remote supervision
 - No, I do not
37. Do you perform programming/reprogramming of deep brain stimulators, and under what degree of supervision?
- Yes, under direct supervision
 - Yes, under indirect supervision
 - Yes, under remote supervision
 - No, I do not

continued

Fig 1. Survey Instrument (*continued*)

Question

38. Do you perform programming/reprogramming of programmable shunts, and under what degree of supervision?
Yes, under direct supervision
Yes, under indirect supervision
Yes, under remote supervision
No, I do not
39. Do you perform opening surgical incision: scalp, and under what degree of supervision?
Yes, under direct supervision
Yes, under indirect supervision
Yes, under remote supervision
No, I do not
40. Do you perform opening surgical incision: cervical, and under what degree of supervision?
Yes, under direct supervision
Yes, under indirect supervision
Yes, under remote supervision
No, I do not
41. Do you perform opening surgical incision: thoracic, and under what degree of supervision?
Yes, under direct supervision
Yes, under indirect supervision
Yes, under remote supervision
No, I do not
42. Do you perform opening surgical incision: lumbar, and under what degree of supervision?
Yes, under direct supervision
Yes, under indirect supervision
Yes, under remote supervision
No, I do not
43. Do you perform opening surgical incision: peripheral nerve procedures, and under what degree of supervision?
Yes, under direct supervision
Yes, under indirect supervision
Yes, under remote supervision
No, I do not

continued

Fig 1. Survey Instrument (*continued*)

Question

44. Do you perform closing surgical incisions, and under what degree of supervision?

Yes, under direct supervision

Yes, under indirect supervision

Yes, under remote supervision

No, I do not

45. Do you bill for your services?

Yes

No

46. Comments:

47. Open-ended question: Are there additional procedures that you perform? If yes, please list them and the level of supervision.

Note. Entire survey instrument from Villanueva, N., Blank-Reid, C., Stewart-Amidei, C., Cartwright, C. C., Haymore, J., & Jones, R. J. (2008). The role of the advanced practice nurse in neuroscience nursing: Results of the 2006 AANN membership survey. *Journal of Neuroscience Nursing, 40*(2), 119–124.