Clinical Research Appraisal Inventory (CRAI)

INSTRUCTIONS:

The following items are tasks related to performing clinical research. Please indicate your ability to successfully perform each task by selecting a single number from zero to ten that best describes your level of confidence. The phrases next to the numbers (0=No Confidence and 10=Total Confidence) are only guides. You can use these numbers or any of the numbers in between to describe your level of confidence.

| | We would like to know how confident you are that you can successfully perform these tasks TODAY. | | | | | | | | | | | | | |
|----|--|----------|----------|-----------|----------|----------|--------|-----|-----|-----|--------------------|--|--|--|
| 1) | GW ID number | | | | | | | _ | | | | | | |
| | Conceptualizin | g a St | udy | | | | | | | | | | | |
| 2) | Select a suitable to | pic are | ea for s | tudy. | | | | | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | | |
| 3) |) Decide when to stop searching based on a literature review. | | | | | | | | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | | |
| 4) | Refine a problem s | o it car | n be inv | estigat | ted | | | | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | | |
| 5) | Decide when to qu | it searc | ching fo | or relate | ed rese | arch/w | riting | | | | | | | |
| | $\hfill \square$ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | | |
| 6) | Develop a logical r | ational | e for a | particu | lar rese | earch id | dea | | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | | |
| 7) | Organize your prop | osed r | esearc | h ideas | in writ | ing. | | | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | | |
| 8) | Articulate a clear p | urpose | for the | e resea | rch | | | | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | ☐ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | | |



| 9) | Place one's study in the context of existing research and justify how it contributes to important questions in the area | | | | | | | | | | |
|-----|---|----------------------|-------------------|----------------------|-----------------|----------|----------|----------|----------|----------|------------------------------------|
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence |
| 10) | Explain (in a gener | al way) |) the im | nportan | ce of th | heory t | o resea | rch | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence |
| 11) | Relate specific que | stions | of inter | est to u | underly | ing the | eory | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence |
| | | | | | | | | | | | |
| | Designing a Study | | | | | | | | | | |
| 12) | Compare major typepidemiological stu | oes of s udies, c | tudies linical | (such a trials, e | s case etc.) | reports | s, case | contro | s, cros | s-sectio | onal, longitudinal and |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence |
| 13) | Recognize importa | nt thre | ats to i | nternal | and ex | kternal | validity | applic | able to | each r | esearch design |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence |
| 14) | Choose an appropr | iate re | search | design | that w | ill answ | ver a se | t of res | search | questio | ns and/or test a set of hypotheses |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence |
| 15) | State the purpose, | streng | ths and | d limita | tions of | f each s | study d | esign | | | |
| | $\hfill \square$ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence |
| 16) | Design a study usi | ng qual | litative | metho | ds, e.g. | ethno | graphy | groun | ded the | eory or | phenomology |
| | $\hfill \square$ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence |
| 17) | Design a study usi | ng quai | ntitativ | e meth | ods, e. | g. expe | eriment | al, qua | si-expe | riment | al designs or clinical trials |
| | $\hfill \square$ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence |
| 18) | Determine the univ | /erse, p | oopulat | ion, an | d appro | priate | sample | for a g | given st | tudy | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence |
| 19) | Determine an adec | quate n | umber | of subj | ects fo | r your ı | researc | h proje | ct | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence |
| 20) | Select methods of | data co | ollection | n appro | priate | to the | study p | opulati | on and | variab | le(s) of interest. |
| | ☐ No confidence | \Box 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence |



| 21) |) Determine how each variable will be measured | | | | | | | | | | | | |
|-----|--|----------|----------|----------|---------|----------|-----------|---------|-----|-----|--------------------|--|--|
| | ☐ No confidence | □1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | |
| 22) | Select reliable and | valid ii | nstrum | ents to | measu | re or a | ssess v | ariable | S | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | |
| 23) | Design the best da | ta anal | ysis stı | rategy 1 | for you | r study | | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | |
| | Callada and Para Millio Otheras | | | | | | | | | | | | |
| | Collaborating With Others | | | | | | | | | | | | |
| 24) | Identify experts in your area of interest | | | | | | | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | |
| 25) | Consult senior researchers for ideas. | | | | | | | | | | | | |
| | ☐ No confidence | □1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | |
| 26) | Identify faculty collaborators from within and outside the discipline who can offer guidance to the project. | | | | | | | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | <u> </u> | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | |
| 27) | Initiate research co | ollabora | ations v | vith col | leagues | 5. | | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | |
| 28) | Participate in gene | rating | collabo | rative r | esearc | h ideas | 5. | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | <u> </u> | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | |
| 29) | Sustain effective c | ollabor | ations. | | | | | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | |
| 30) | Terminate a collab | oration | that is | n't wor | king. | | | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | |
| 31) | Work interdepende | ently in | a rese | arch gr | oup | | | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | |
| | | | | | | | | | | | | | |

Funding a Study



| 32) | 2) Identify appropriate funding sources (local, state, national) to support a study | | | | | | | | | | | |
|-----|---|----------|--|-----------|----------------------|-----------|-----------|----------|----------|---------|-------------------------------------|--|
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | |
| 33) | Speak with a perso | n at th | e fundi | ng age | ncy reg | arding | your p | roject o | or proje | ct idea | S | |
| | ☐ No confidence | □ 1 | □ 2 □ 3 □ 4 □ 5 □ 6 □ 7 □ 8 □ 9 □ Total confidence | | | | | | | | | |
| 34) | Describe a major f | unding | agency | /'s (e.g. | NIH, N | ISF, or t | foundat | ion) pr | oposal | review | and award process | |
| | $\hfill \square$ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | |
| 35) | Prepare a research proposal suitable for submission in one's research area. | | | | | | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | |
| 36) | Establish a sufficient timeline for a grant application. | | | | | | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | |
| 37) | ') Locate appropriate forms for a grant application | | | | | | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | |
| 38) |) Prepare a project budget for a grant application. | | | | | | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | |
| 39) | Establish collaborator and consultant agreements for a grant application | | | | | | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | |
| 40) | Write a competitiv | e grant | applica | ation | | | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | <u> </u> | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | |
| 41) | Obtain necessary | signatu | res for | institut | ional a _l | oproval | l of a gr | ant ap | plicatio | n | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | <u> </u> | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | |
| | | | | | | | | | | | | |
| | Planning and M | lanagi | ing Yo | ur Re | searc | h Stud | dy | | | | | |
| 42) | Maintain an organi | zed sys | stem fo | r ideas | and re | ference | es | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | |
| 43) | Develop plans for supplies | mplem | enting | a study | , includ | ding tin | neline, | budget | and re | quirem | nents for personnel, facilities and | |
| | ☐ No confidence | <u> </u> | □ 2 | □ 3 | <u> </u> | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | |



| 44) | 4) Adhere to a timeline for research projects. | | | | | | | | | | | | | | |
|-----|---|-----------|----------|----------|----------|---------|---------|----------|-----------|-------------------------------|--------------------------------|--|--|--|--|
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | | | |
| 45) | Maintain a log of y | our res | earch p | rocess | (exper | iments | condu | cted, m | ajor de | cisions | , analyses performed, etc.) | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | | | |
| 46) | Obtain or purchase appropriate supplies and equipment for a research study | | | | | | | | | | | | | | |
| | $\hfill\square$ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | | | |
| 47) | Prepare and submit funding agencies | it requi | red rep | orts, bu | udget r | equest | s and o | ther do | cumen | ts to in | stitutional administrators and | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | | | |
| 48) | Recruit and screen | resear | ch proj | ect sta | ff. | | | | | | | | | | |
| | $\hfill \square$ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | | | |
| 49) | Set expectations and communicate them to project staff | | | | | | | | | | | | | | |
| | $\hfill \square$ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | | | |
| 50) | Train assistants to | collect | data | | | | | | | | | | | | |
| | $\hfill \square$ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | | | |
| 51) | Evaluate research project staff. | | | | | | | | | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | | | |
| 52) | Ask staff to leave t | he proj | ect tea | m whe | n neces | ssary | | | | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | | | |
| | | | | | | | | | | | | | | | |
| | Protecting Res | earch | Subje | cts ar | nd Res | sponsi | ible Co | onduc | t of R | esear | ch | | | | |
| 53) | Explain the historical events that had significant impact on the federal regulations for the protection of human subjects | | | | | | | | | s for the protection of human | | | | | |
| | ☐ No confidence | □1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | | | |
| 54) | Identify the respon | sibilitie | es of re | search | institut | ions ar | ıd regu | latory a | agencie | s in co | nducting research | | | | |
| | ☐ No confidence | □1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | | | |
| 55) | Describe appropria | ate recr | uitmen | t and r | etentio | n meth | ods use | ed in cl | inical re | esearch | ١ | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | | | |



| 56) | 6) Apply the appropriate process for obtaining informed consent from research subjects | | | | | | | | | | | |
|-----|---|-----------|---------|-----------|----------|----------|---------|----------|----------|----------|--------------------------------------|--|
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | |
| 57) | Write a human sub | jects c | onsent | form c | ontaini | ng the | approp | riate el | ements | 5. | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | |
| 58) | Design a process u | ıtilizing | specia | l consid | deratio | ns for o | btainin | g cons | ent fror | n vulne | erable subjects | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | |
| 59) | Describe ethical concerns with the use of placebos in clinical research | | | | | | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | |
| 60) | Discuss ethical issues involved in conducting genetic research | | | | | | | | | | | |
| | ☐ No confidence | □1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | |
| 61) | Explain the potential risks and other special considerations associated with behavioral research | | | | | | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | |
| 62) | Be knowledgeable and respectful of diverse ethical challenges associated with conducting research with minority populations | | | | | | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | |
| 63) | Describe circumstances when the HIPAA Privacy Rule applies to research | | | | | | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | |
| | | | | | | | | | | | | |
| | Collecting, Rec | ording | g and | Analy | zing [| Data | | | | | | |
| 64) | State the relations techniques | hip bet | ween t | he chos | sen res | earch d | lesign, | the typ | e of da | ta colle | ected, and the necessary statistical | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | |
| 65) | Evaluate the reliab | ility an | d valid | ity of a | given ı | measur | ement | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | |
| 66) | Ensure data collect | tion is r | eliable | across | trials, | raters, | or equi | ipment | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | |
| 67) | Construct a plan fo | r mana | aging d | ata file: | 5 | | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | <u> </u> | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | |



| 68) |) Organize data to store and analyze in a computer system | | | | | | | | | | | | | | | | |
|-----|--|----------|---------|-----------|---------|----------|----------|-----------|----------|-------------------------------------|-----------------------------------|--|--|--|--|--|--|
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | | | | | |
| 69) | Analyze data accor | rding to | their l | evel of | measu | remen | t and th | ne rese | arch de | h design | | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | | | | | |
| 70) | Avoid the violation | of stat | istical | asssum | ptions | | | | | | | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | | | | | |
| 71) | Provide direction to computer specialists or statisticians on how to handle missing data. | | | | | | | | | | | | | | | | |
| | $\hfill \square$ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | | | | | |
| 72) | Perform commonly used statistical tests, such as chi square, t-test, analysis of variance, correlations, and multiple regression | | | | | | | | | ariance, correlations, and multiple | | | | | | | |
| | $\hfill\square$ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | | | | | |
| 73) | Perform more advanced statistical tests used in one's research area, such as discriminant analysis, principal components analysis, multiple logistic analysis, survival analysis or time series analysis | | | | | | | | | | | | | | | | |
| | $\hfill\square$ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | | | | | |
| 74) | Use computer software to generate graphic images, such as flow charts or theoretical models | | | | | | | | | | | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | Interpreting Da | ıta | | | | | | | | | | | | | | | |
| 75) | Explain the outcom | ne of gi | ven an | alysis iı | n terms | of the | origina | ally stat | ed hyp | othese | s or research questions | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | | | | | |
| 76) | Express appropriat | e meth | odolog | ical an | d theor | etical c | autions | s in inte | erpretir | ng resu | lts | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | | | | | |
| 77) | Identify limitations | of a st | udy | | | | | | | | | | | | | | |
| | $\hfill\square$ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | | | | | |
| 78) | Integrate the resear further study | arch fin | dings i | nto the | existin | g litera | iture by | / discus | ssing w | hat is k | known, unknown, and what requires | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | | | | | | |
| | | | | | | | | | | | | | | | | | |

Reporting a Study



| 79) | Effectively edit your writing to make it logical and succinct. | | | | | | | | | | |
|-----|--|----------|----------|--------------------|-----------|----------|----------|----------|----------|---------|---|
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence |
| 80) | Cite strengths and | limitat | ions of | a stud | y based | d on the | e data | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence |
| 81) | Select a journal for | a man | uscript | submi | ssion | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence |
| 82) | Organize a research report for a journal article according to an appropriate professional format and standards | | | | | | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence |
| 83) | Write a literature r | eview t | hat cri | tically s | synthes | izes th | e litera | ture rel | evant t | o your | own research question |
| | ☐ No confidence | □1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence |
| 84) | Write a methods so by others | ection t | hat co | nveys s | sufficier | nt meth | odolog | ical det | ail to p | ermit s | subsequent replication of your work |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence |
| 85) | Write the results so comments | ection (| of a res | earch _l | oaper tl | hat clea | arly sur | nmariz | es and | descrik | pes the results, free of interpretative |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence |
| 86) | Report results in b | oth nar | rative | and gra | aphic fo | rm | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence |
| 87) | Write a discussion studies in the field | | for a i | esearc | h pape | r that a | rticulat | es the | import | ance of | f your findings relative to other |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence |
| 88) | Prevent authorship | disput | es | | | | | | | | |
| | ☐ No confidence | □1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence |
| 89) | Describe the stage | s of a r | nanuso | ript rev | view | | | | | | |
| | ☐ No confidence | □1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence |
| 90) | Compose a reply to | o revie | wers' c | ommer | nts for a | manu: | script r | eview | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence |
| | | | | | | | | | | | |

Presenting Your Study



| 91) | Design visual presentations (posters, slides, graphs, pictures). | | | | | | | | | | | |
|-----|--|-----------|----------|----------|----------|--------|-----|-----|-----|-----|--------------------|--|
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | |
| 92) | Orally present resu | ılts at a | regior | nal or n | ational | meetir | ng | | | | | |
| | ☐ No confidence | □ 1 | □ 2 | □ 3 | □ 4 | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | |
| 93) | Defend results to a critical audience | | | | | | | | | | | |
| | ☐ No confidence | □ 1 | <u> </u> | □ 3 | <u> </u> | □ 5 | □ 6 | □ 7 | □ 8 | □ 9 | ☐ Total confidence | |

