

Additional File 4. *Description of Other Specific Practices Indices and Other General Research Use Indices*

Other Specific Practices Indices

First Author [citation in manuscript]	Description of research use measure
Aron [129]	20 items relating to the use of specific therapeutic techniques for depression. Sample items include: • Establish and maintain rapport • Be sincere and genuine • Convey a warm and interested attitude Scored on a 7-point Likert scale from 1=do not use at all to 7=use all the time. For analysis, scale points were combined to produce 3 separate categories: 1-2 (do not use), 3-5 (use sometimes), 6-7 (use all the time). A mean score based on the 20 practices was then calculated.
Knudsen [21]	Dependant variable was the organizational use of treatment innovations. Sample treatment innovations assessed include: • Disulfiram • Naltrexone • Rapid opiate detoxification Each item was scored dichotomously as yes/no. An aggregate measure of innovation adoption based on an additive index of the 15 innovative substance abuse treatment techniques was calculated.
Tita [17] Tita [18] [1 study, 2 articles]	Questionnaire designed to estimate awareness and use of 13 obstetrical interventions. Sample interventions include: • Antenatal corticosteroids for impending prematurity • Antiretrovirals to prevent mother-to-child transmission of HIV/AIDS • Uterotonics to prevent postpartum hemorrhage Each item was scored dichotomously as yes/no for awareness and use. An additive composite score based on the 13 interventions was then calculated.
Varcoe [50]	Use of 10 specific research practices. Sample practices include: • IM injection • Catheter removal • Sensory information/ diagnostic Each practice was scored on a 3 pt scale: never (1), sometimes (2), always (3) or 'not applicable'. A mean score based on the ten practices was then calculated.

Other General Research Use Indices

Author, Year [Citation in manuscript]	Description of research use measure
Forbes [101]	Research use index reflects the frequency with which staff nurses engaged in 5 research activities during the past year. Sample items include: • Reviewing research literature applicable to their practice • Rejecting or implementing a practice activity based on the results of a research study Scored using the following four response options: 0, 1, 2-4, 5 or more times. Research use index score obtained by taking a sum of the 5 items.
Grasso [102]	Research use index composed of 9 items, which ask respondents how often they use research information in 9 different ways. Sample items include: • Discussion with coworkers • Discussion with students • Assessing individual client change Scored using a 4-point scale from 'never' to 'frequently'. Research use index score obtained by taking the sum of the 9 items.
Kamwendo [105]	Research use index composed of 4 statements measuring present engagement in research use. A sample item is: • Apply research findings to improve physiotherapy practice Each item is scored on a 5-point Likert scale from 'I do not agree at all' to 'I very much agree'. Item scores are then summed for an index score (4-20).
Karlsson [73]	Same index used as above (Kamwendo, 2002)
Morrow-Bradley [103]	Research use index composed of 6 items (called a 'research utility index'). Sample items include: • Rate the degree to which the results from psychotherapy research have influenced the way you do psychotherapy • Use of psychotherapy research in dealing with difficult treatment cases in the last year • Practice changed by conferences in the last year One item (rate the degree) scored using a 6-point scale from 'not at all' to 'more than any other factor'. Remainder of items scored dichotomously as yes/no. Method for combining items to form the index is not reported.
Pelz [84]	Research use index consisting of 10 items that measure the extent of research use directly or indirectly. <i>Direct Measures of Research Use</i> sample items: • Reviewed research literature in an effort to identify new knowledge for use in your practice • Evaluated a research study to determine its value for practice

Author, Year [Citation in manuscript]	Description of research use measure
	Scored using a 4-point scale from 0 to 5 or more times in the past year. <i>Indirect Measures of Research Use</i> sample item: Extent to which several possible types of committees ‘influence nursing practice in your hospital’ Scored using a 5-point scale from none to complete OR no extent to very great (depending on the item). Research use index scores obtained by taking a mean of the 10 items.
Rardin [104]	Research use index measuring impact of psychotherapy research on practice with 3 items (this is within the section on research attitudes in the survey). Items are: - Please estimate how much impact research in psychotherapy has on your actual practice of psychotherapy. - Please estimate how much impact research in psychotherapy has on your thinking about the process of psychotherapy - Please estimate how much impact research in psychotherapy has on your conceptualizations of clients/patients in psychotherapy Scored on a 5-point Likert scale from ‘very low’ to ‘very high’. Results from these items are then summed for an <i>Impact on Practice</i> rating ranging from 3-15.
Reynolds [24]	Research use index consists of 5 items focusing on the extent to which respondents participate in research activities. Sample items include: - Reviewed research literature in an effort to identify new knowledge for use in your practice - Evaluated a research study to determine its value for practice Each item is asked with respect to the past year and is scored on a 4-point scale: 0, 1, 2-4, 5 or more times. Mean of the items are then taken as a measure of research utilization.
Stiefel [36]	Research use index consists of 18 items measuring respondents’ reported participation in nursing research utilization activities. Sample items include: - I read nursing research articles and learn about research-based nursing interventions - I attend conferences/educational programs and learn about research-based nursing interventions - I think about ways of using a research-based nursing intervention in my nursing practice when I become aware of it Each item is scored on a 5-point scale from ‘never’ to ‘always’. Item scores are then summed for an index score (18-90).
Varcoe [50]	Research use index contains 10 general statements on research use. Sample items include: Communicating concerns about the effectiveness of practices to colleagues

Author, Year [Citation in manuscript]	Description of research use measure
	• Use of research articles to support questioning practice • Identification of hospital policies based on research Each item is scored on a 4-point scale from 'not at all' to 'always'. Item scores are then summed for an index score (10-40).