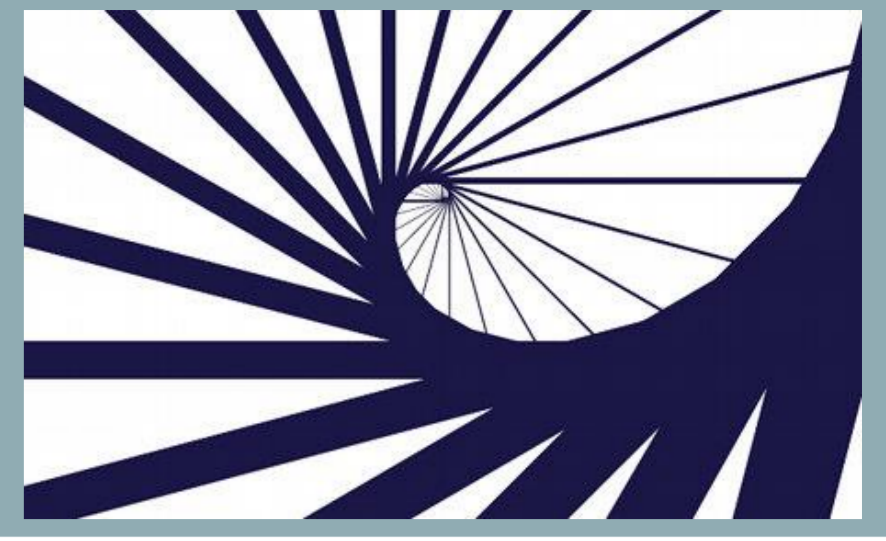# The British Nursing Index and CINAHL: A comparison of journal title coverage and the implications for information professionals

Simon Briscoe (s.briscoe@exeter.ac.uk) **and Chris Cooper**

Peninsula Technology Assessment Group (PenTAG), University of Exeter Medical School, Veysey Building, Salmon Pool Lane, Exeter EX2 4SG

1. AIMS:

- This poster compares the journal coverage of the British Nursing Index (BNI) and the Cumulative Index to Nursing and Allied Health Literature (CINAHL).
- It provides evidence on whether there is value in searching BNI *and* CINAHL for research on nursing topics, or whether searching BNI *or* CINAHL is sufficient.
- The conclusions are based on overall journal coverage and information on whether BNI indexes any British titles not indexed in CINAHL or whether British titles are indexed faster or with more historical coverage than CINAHL.

2. BACKGROUND:

BNI was formed in 1996 when the Nursing and Midwifery Index and the Royal College of Nursing's Nursing Bibliography were merged. Its launch mission statement was *"[t]o support the education, research, practice and development of UK nurses, midwives, health visitors and allied professions through currency and comprehensive coverage"* (1). ProQuest, a US company, acquired BNI in 2011. They market two versions of the database: BNI and BNI with Full-Text.

CINAHL has existed since the 1940s and was made available online in 1995 (2). It was acquired by EBSCO in 2003. EBSCO markets five versions of CINAHL: CINAHL; CINAHL with Full-Text; CINAHL Plus (increased journal coverage); CINAHL Plus with Full-Text; CINAHL Complete (maximum journal coverage and full-text coverage).

3. METHODS:

A list of journal titles indexed in BNI was compared with a list of titles indexed in CINAHL. If a title was indexed in BNI but not in CINAHL then the more exhaustive CINAHL Plus list was inspected, followed by the still more exhaustive CINAHL Complete list.

The relative overlap between the databases was calculated using a formula detailed in Gluck (3) for comparing journal coverage of two databases, A and B:

% overlap in A = 100 * (# in A intersect B / # in A)

% overlap in B = 100 * (# in B intersect A / # in B)

(where # corresponds to the number of items in the database).

These calculations provide a "two-way relative overlap" which is useful for considering how much of BNI is indexed in CINAHL and vice versa.

The date coverage and full-text availability of a selection of high impact factor British nursing titles in BNI and CINAHL was also compared. The titles were selected by inspecting the 2012 Journal Citation Report.

Finally, BNI promotional material has occasionally stated that a core list of British titles is indexed earlier than in non-UK databases (1). To assess this claim, the article entry date in BNI and CINAHL of articles from the 17 high impact factor British nursing titles was compared.

4. RESULTS:

Table 1. Comparison of journal titles indexed in BNI and CINAHL as of September 2013.

	Total number of titles	Unique Titles	Relative overlap* (%)
BNI	710 (220 full-text)	159	77.6
CINAHL	3081 (602)	2530	17.9
BNI	710 (220)	85	88
CINAHL Plus	5314 (1072)	4689	11.8
BNI	710 (220)	81	88.6
CINAHL Complete	5493 (1632)	4864	11.5

*Percentage of journal titles in this database also indexed in the other database.

Table 3. Comparison of entry date for British journal articles (assessed September 2013).

Citation	Article entry date	
	BNI	CINAHL
Livesley J, Long T. Children's experiences as hospital in-patients: voice, competence and work. Messages for nursing from a critical ethnographic study. International Journal of Nursing Studies. 2013;50(10):1292-303.	11 Nov 2013	20 Sep 2013*
Jaarsma T, Brons M, Kraai I, Luttik ML, Stromberg A. Components of heart failure management in home care; a literature review. European journal of cardiovascular nursing. 2013;12(3):230-41.	10 Jul 2013	31 May 2013
Fisher D, King L. An integrative literature review on preparing nursing students through simulation to recognize and respond to the deteriorating patient. Journal of advanced nursing. 2013;69(11):2375-88.	11 Nov 2013	18 Oct 2013
Wong CA, Cummings GG, Ducharme L. The relationship between nursing leadership and patient outcomes: a systematic review update. Journal of nursing management. 2013;21(5):709-24.	11 Nov 2013	02 Aug 2013
Patterson E, Wan YW, Sidani S. Nonpharmacological nursing interventions for the management of patient fatigue: a literature review. Journal of clinical nursing. 2013;22(19-20):2668-78.	11 Nov 2013	20 Sep 2013
Quinn B. Efficacy of a supersaturated calcium phosphate oral rinse for the prevention and treatment of oral mucositis in patients receiving high-dose cancer therapy: a review of current data. European journal of cancer care. 2013 Sep;22(5):564-79.	10 Oct 2013	30 Aug 2013
Morrall P, Goodman B. Critical thinking, nurse education and universities: some thoughts on current issues and implications for nursing practice. Nurse education today. 2013;33(9):935-7.	11 Nov 2013	18 Oct 2013
Moe A, Hellzen O, Enmarker I. The meaning of receiving help from home nursing care. Nursing ethics. 2013;20(7):737-47.	Not specified, but full text available.	In Process
Choo J, Blundell S, McGinnis E. Ethical issues and challenges in pressure ulcer research - the research nurses' perspective. Journal of tissue viability. 2012;21(4):105-8.	12 Aug 2013	23 Nov 2012
Longworth MK. An exploration of the perceived factors that affect the learning and transfer of skills taught to student midwives. Midwifery. 2013;29(8):831-7.	10 Oct 2013	09 Aug 2013
Goodman JH, Guarino AJ, Prager JE. Perinatal dyadic psychotherapy: design, implementation, and acceptability. Journal of family nursing. 2013;19(3):295-323.	11 Nov 2013	23 Aug 2013
Smithbattle L, Lorenz R, Leander S. Listening with care: using narrative methods to cultivate nurses' responsive relationships in a home visiting intervention with teen mothers. Nursing inquiry. 2013;20(3):188-98.	10 Oct 2013	30 Aug 2013
Egerod I, Albarran JW, Ring M, Blackwood B. Sedation practice in Nordic and non-Nordic ICUs: a European survey. Nursing in critical care. 2013;18(4):166-75.	11 Nov 2013	05 Jul 2013
Boge J, Kristoffersen K, Martinsen K. Bodily cleanliness in modern nursing. Nursing philosophy. 2013;14(2):78-85.	10 Apr 2013	22 Mar 2013
H OD, Gormley K. Service user involvement in nurse education: perceptions of mental health nursing students. Journal of psychiatric and mental health nursing. 2013;20(3):193-202.	10 Apr 2013	15 Mar 2013
DiFazio RL, Vessey JA. Non-medical out-of-pocket expenses incurred by families during their child's hospitalization. Journal of child health care. 2013;17(3):230-41.	11 Nov 2013	4 Apr 2013
Kang Y. A proposed theoretical model of help-seeking among Korean-American women with urinary incontinence. International Journal of Urological Nursing. 2013;7(2):61-7.	10 Sep 2013	Not indexed (CINAHL PLUS: 28 Jun 2013)

*Green text indicates earlier date coverage.

Table 2. Comparison of British journal titles' date coverage and full-text availability in BNI and CINAHL as of September 2013.

Rank	Title	Abstract date coverage		Full-text date coverage	
		BNI	CINAHL	BNI	CINAHL
1	International Journal of Nursing Studies	Apr 1994 - Current	Sep 1981 – Current*	None	None
2	European Journal of Cardiovascular Nursing	Apr 2003 - Current	Feb 2002 - Current	None	None
3	Journal of Advanced Nursing	Jan 1994 – Current	Sep 1981 - Current	None	Jan 1981 - Current
4	Journal of Nursing Management	Jan 1994 - Current	Jan 1993 – Current	None	Jan 1998 – Current
5	Journal of Clinical Nursing	Mar 1994 - Current	Jan 1992 – Current	None	Jan 1992 - Current
6	European Journal of Cancer Care	Mar 1994 - Current	Mar 1991- Current	None	Jan 1998 – Current
7	Nurse Education Today	Feb 1994 – Current	Jan 1983 – Current	None	None
8	Nursing Ethics	Mar 1994 - Current	Mar 1994 – Current	Jan 1997 - current	Jan 1997 - Current
9	Journal of Tissue Viability	Oct 1993 - Current	Jan 2001 - Current	None	None
10	Midwifery	Sep 1993 - Current	Mar 1985 – Current	None	None
11	Journal of Family Nursing	Feb 1996 - Current	Nov 1995 – Current	None	None
12	Nursing Inquiry	Mar 1997 - Current	Nov 1994 – Current	None	Dec 1998 - Current
13	Nursing in Critical Care	Mar 1997 - Current	Jan 1996- Current	None	Jan 2003 - Current
14	Nursing Philosophy	Apr 2001 - Current	Jul 2000 – Current	None	Jul 2000 - Current
15	Journal of Psychiatric and Mental Health Nursing	Apr 1995 – Current	Feb 1994 – Current	None	Jan 1998 - Current
16	Journal of Child Health Care	Mar 1999 - Current	Mar 1997 – Current	None	None
17	International Journal of Urological Nursing	Mar 2010 - Current	None (CINAHL Plus Mar 2007 – Current)	None	None (CINAHL Plus: Jan 2007 – Current)

*Green text indicates earlier date coverage.

5. KEY FINDINGS:

- Of the 81 journal titles that are uniquely indexed in BNI by comparison with any version of CINAHL (see table 1), 51 are published in the UK.*
- The difference between the 77.6% coverage of BNI in CINAHL (basic) and the 88% coverage of BNI in CINAHL Plus and CINAHL Complete, might be significant for information professionals who are considering whether to search CINAHL and BNI for a research project. (See table 1).
- For almost all the 17 high impact factor British nursing journals, CINAHL has earlier indexing start dates and earlier article entry dates. (See tables 2 and 3).

* The full list is detailed in a forthcoming article in *Health Information & Libraries Journal*.

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1. Priddey, D. British Nursing Index: a key nursing and midwifery resource. *Libraries for Nursing Bulletin* 2010;**30**:25-30.
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3. Gluck, M. A review of journal coverage overlap with an extension to the definition of overlap. *Journal of the American Society for Information Science* 1990;**41**:43-60.