

Hospital-Based Nurse Dissemination in Peer-Reviewed Nursing Journals: Has the ANCC Magnet® Program Enhanced Hospital RNs to Publish?

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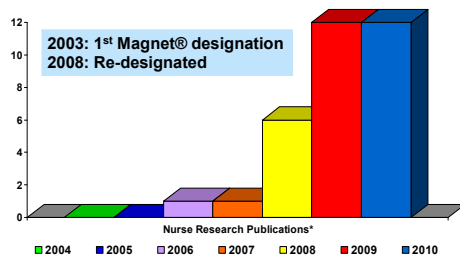
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Nursing Professional Practice Model



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*, Research publications with a Cleveland Clinic RN as FIRST author, in peer-reviewed journals; that correspond to nursing research projects

INTRODUCTION

Research Question:

Has growth in the ANCC Magnet Recognition Program® led to growth in *research papers* published by hospital-based nurses as first authors over time?

METHODS

Design:

- Retrospective journal review
 - Descriptive
 - Correlational study
- Institutional Review Board approval was not sought since author data was in the public domain

METHODS: Sample

- Journals using AMA abbreviations, in alphabetical order with nursing organization in parenthesis

<i>Am J Crit Care</i> (AACN); 255	<i>J Emerg Nurs</i> (ENA); 152	<i>J Pediatr Nurs</i> (PENS); 269
<i>AORN J</i> (AORN); 283	<i>J Hosp Palliat Nurs</i> (HPNA); 124	<i>J Vascular Nurs</i> (SVN); 66
<i>Clin Nurs Spec</i> (NACNS); 131	<i>J Infusion Nurs</i> (INS); 155	<i>Medsurg Nurs</i> (AMSN); 180
<i>Geriatr Nurs</i> (AALNA, NGNA, & GAPNA); 136	<i>J Neuroscience Nurs</i> (AANN); 203	<i>Nephrol Nurs J</i> (ANNA); 182
<i>J Am Acad Nurs Pract</i> (AANP); 317	<i>J Nurs Scholarsh</i> (STTI); 340	<i>Plast Surg Nurs</i> (ASPSN); 91
<i>J Cardiovasc Nurs</i> (AHA, CVN Council and PCNA); 255	<i>J Perianesthesia Nurs</i> (ASPAN); 157	<i>J Wound, Ostomy Continence Nurs</i> (WOCN); 180
2 journals planned for review but abandoned due to missing electronic past issues		
<i>Clin J Oncology Nurs</i> (ONS)	<i>J Radiol Nurs</i> (ARIN)	

METHODS

Sample:

- **Research papers:**
 - Quantitative and qualitative
 - Multiple analysis methodologies
 - Multiple topics/themes
- **Clinical review papers** (non-research)
 - Quality projects
 - Systematic reviews
 - Non-systematic reviews

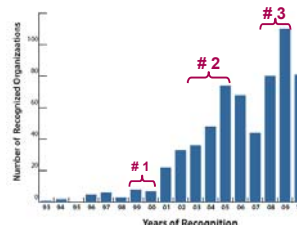
Exclusions:

- Editorials
- Response letters to editors
- Regular features or columns

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METHODS: Measurement

- 3 periods that reflected Magnet Recognition Program® growth:
 - 1999-2000 (*Initial Magnet® Program*)
 - 2003-2005 (*Early Growth Magnet® Program*)
 - 2008-2009 (*Established Magnet® Program*)-
 - New “model” introduced



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METHODS

Measurement of Outcomes:

- **Publication author information:**
 - 1st author highest academic degree
 - 1st author certifications, workplace, city, state
 - # authors; # RN authors
 - # hospital-based RN authors
 - # advanced practice RN authors
 - # RN authors with certifications
 - # RN authors with management/administrative job roles

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METHODS

Measurement of Outcomes:

- If Hospital-based RN was first author:
 - Did the hospital have Magnet® designation in year the paper was published (Yes/No)
- If first author was not a hospital-based RN:
 - Were other hospital-based authors from a Magnet® designated hospital during the year the paper was published (Yes/No)

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METHODS

Data Collection:

- Journal publications were reviewed by trained BSN RNs
 - Research nurse co-investigator oriented and reviewed RN data collector work and completed quality audits
 - Data entry on an Excel spreadsheet
- 1st page of each paper was printed and filed
 - Multiple pages printed if corresponding author info not on 1st page

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METHODS

Data Collection:

- Magnet® status was assessed via the ANCC Magnet Designation Program® website



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METHODS

Data Analysis

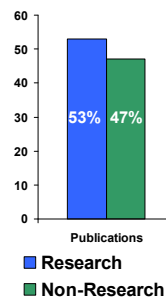
- Categorical variables were summarized using descriptive statistics
- Trends in responses over time were summarized using Mantel-Haenszel chi-square tests
- Analyses were performed using SAS software (version 9.1; Cary, NC)
- *P* values of < 0.05 were considered statistically significant

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RESULTS

3469 total publications

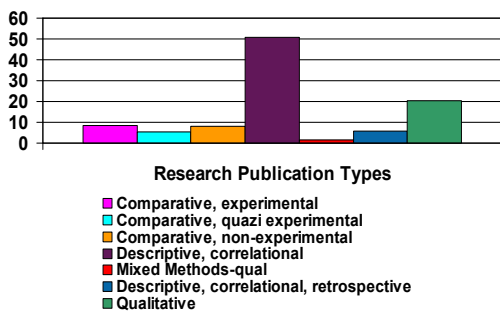
- 848 (24.4%) *Initial* —1999-2000
- 1504 (43.4%) *Early Growth* —2003-2005
- 1117 (32.2%) *Established* —2008-2009



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RESULTS

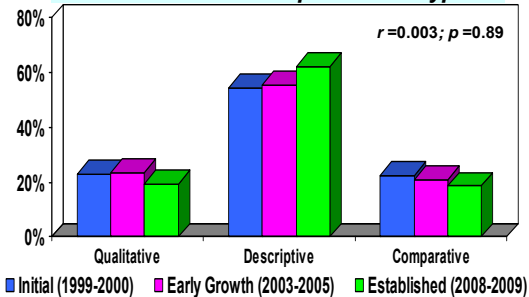
Research publication TYPES:



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RESULTS: Publication Rates by Magnet® Growth Periods

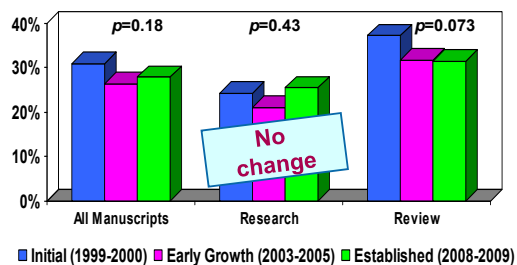
Research Manuscripts Article Type



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RESULTS: Publication Rates

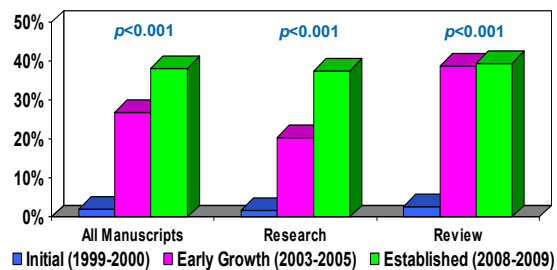
Hospital-Based RNs as First Authors, by Magnet® Growth Periods



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RESULTS: Publication Rates

Non Hospital-Based RNs as First Author and ≥ 1 RN from a Magnet® Hospital



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RESULTS

FIRST Author Characteristics	N (%)
Graduate degrees*	3015 (86.9)
• Masters / Doctorate	(34.3 / 52.6)
Non-graduate degrees*	269 (7.8)
• Bachelors / Associate / Diploma	(7.6 / 0.12 / 0.06)
Certifications: 0 / 1*	(61 / 29)
Work setting: Academic / Hospital**	(57.4 / 28)
Of hospital-based 1 st authors; % working in Magnet® Hospitals	(27.3)

*, not reported in 185 (5.3%) of publications

***, unknown in 352 publications (10.2%)



IMPLICATIONS and CONCLUSIONS

CC grew in research publications over time

- Our research program matches our PPM in regards to conducting and disseminating nursing research

Hospital-based RNs need coaching in:

- Developing strong research studies
- Publishing completed research in peer-reviewed journals

Hospital-based RNs need:

- A hospital-based research and writing mentor
- APNs need ↑ training?/ time? in research



Evidence Matters

