

1991 至 2004 年台灣護理研究之文獻計量分析

Bibliometric Analysis of Nursing Research in Taiwan

1991-2004

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摘要

本研究檢視在台灣的護理相關單位內研究學者的研究表現。下載 1991 至 2004 研究論文來自 ISI Web of Knowledge 網站，聯絡地址中含有「台灣」、「護理」兩個字彙的論文文獻計量資訊。本研究中擷取包含論文數量、作者數目、所列示參考文獻數目、出版期刊之影響係數、該論文被引用次數及該研究是否經由國內外合作產出等資訊進行編碼、表列。而且這些文獻計量資訊以 1995 至 1999 及 2000 至 2004 兩個時期進行比較，並利用指數模式來描述論文的成長趨勢。結果顯示 1991 至 2004 年論文數量有顯著的成長。而且普遍性看來，近期所發表的論文其作者、國內外研究合作、出版期刊影響係數、所列示參考文獻等指標平均值較早期研究來得高。經由合作研究產生的論文作者數較多、參考文獻較多、出版期刊影響係數也較高。指數模式被證實可適切描述論文過去的成長型態。作者推測國內外的研究合作增加可能挹注部分論文數量的遽增，但論文數量的成長是否會持續或會持續多久則不清楚。但根據過往的資料，仍觀察不到論文數量成長趨於平緩的徵象。欲瞭解哪些社會或個人因素挹注論文數量的遽增，則需要更多研究。隨著過去十餘年來論文數量顯著的成長，未來研究者應可將重點致力於論文品質的提升。

Abstract

This study examined nursing research performance in Taiwan from 1991 to 2004 by conducting bibliometric analysis of papers published by researchers affiliated with nursing institutes in Taiwan. Bibliometric information of papers that were published between 1991 and 2004 and had contact address including the words "Taiwan", and "nursing" were downloaded from the ISI Web of Knowledge website. The information used for this research included number of papers, number of authors, number of references listed, impact factors of publishing journals, times cited, and whether the paper was written through international or domestic collaboration. The information was coded and tabulated. Bibliometric characteristics were compared between 1995-1999 and 2000-2004. Furthermore, an exponential model was fitted to show the past growth trend in research outputs. The results showed that there was a significant growth in quantity of papers from 1991 to 2004. In general, recent papers had averaged more authors, more domestic collaboration, more international collaboration, higher

impact factors, and more references listed than earlier papers. Papers written with collaboration tended to have a higher average number of authors and more references listed, and tended to be published in journals with higher impact factors. The exponential model proved to be in good fit with the past growth pattern. The authors speculate that the recent increase in research collaboration, both internationally and domestically, may have contributed to the significant increase in output. It is not clear whether the growth in quantity of papers will continue or for how long. Based on past data, however, no sign of leveling off has been observed. More research is needed to understand what societal and individual level factors were involved in fueling such a dramatic increase in quantity in the last decade. Furthermore, as the quantity of papers has increased steadily, more focus can be placed on improving the quality of research papers