

Health and Medical Informatics; New Health and Medical Informatics Study Results Reported from J. Taggart et al (Structured data quality reports to improve EHR data quality)

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ABSTRACT

According to the news editors, the research concluded: "Randomised controlled studies are required to evaluate strategies to improve data quality and any associated improved safety and quality of care."

FULL TEXT

2015 NOV 24 (VerticalNews) – By a News Reporter-Staff News Editor at Information Technology Newsweekly – A new study on Health and Medical Informatics is now available. According to news reporting originating from Sydney, Australia, by VerticalNews correspondents, research stated, "To examine whether a structured data quality report (SDQR) and feedback sessions with practice principals and managers improve the quality of routinely collected data in EHRs. The intervention was conducted in four general practices participating in the Fairfield neighborhood electronic Practice Based Research Network (ePBRN)."

Our news editors obtained a quote from the research, "Data were extracted from their clinical information systems and summarised as a SDQR to guide feedback to practice principals and managers at 0, 4, 8 and 12 months. Data quality (DQ) metrics included completeness, correctness, consistency and duplication of patient records. Information on data recording practices, data quality improvement, and utility of SDQRs was collected at the feedback sessions at the practices. The main outcome measure was change in the recording of clinical information and level of meeting Royal Australian College of General Practice (RACGP) targets. Birth date was 100% and gender 99% complete at baseline and maintained. DQ of all variables measured improved significantly ($p < 0.01$) over 12 months, but was not sufficient to comply with RACGP standards. Improvement was greatest with allergies. There was no significant change in duplicate records. SDQRs and feedback sessions support general practitioners and practice managers to focus on improving the recording of patient information. However, improved practice DQ, was not sufficient to meet RACGP targets."

According to the news editors, the research concluded: "Randomised controlled studies are required to evaluate strategies to improve data quality and any associated improved safety and quality of care."

For more information on this research see: Structured data quality reports to improve EHR data quality.

International Journal of Medical Informatics, 2015;84(12):1094-1098. International Journal of Medical Informatics can be contacted at: Elsevier Ireland Ltd, Elsevier House, Brookvale Plaza, East Park Shannon, Co, Clare, 00000, Ireland. (Elsevier - www.elsevier.com; International Journal of Medical Informatics - www.journals.elsevier.com/international-journal-of-medical-informatics/)

The news editors report that additional information may be obtained by contacting J. Taggart, South Western Sydney Local Hlth Dist, Gen Practice Unit, Sydney, NSW, Australia. Additional authors for this research include S.T. Liaw and H.R. Yu.

Keywords for this news article include: Sydney, Australia and New Zealand, Health and Medical Informatics
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DETAILS

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