TITLE: Voice Recognition Documentation Systems: Clinical Effectiveness

DATE: 12 March 2012

RESEARCH QUESTION

What is the clinical evidence regarding the use of voice recognition tools for nurse charting to decrease the time required for documentation?

KEY MESSAGE

One relevant non-randomized study was identified regarding the use of voice recognition tools for nurse charting to decrease the time required for documentation.

METHODS

A limited literature search was conducted on key resources including PubMed, The Cochrane Library (2012, Issue 2), University of York Centre for Reviews and Dissemination (CRD) databases, Canadian and abbreviated list of major international health technology agencies, as well as a focused Internet search. No methodological filters were applied to limit retrieval by study type. Where possible, retrieval was limited to the human population. The search was also limited to English language documents published between January 1, 2007 and February 29, 2012. Internet links were provided, where available.

The summary of findings was prepared from the abstracts of the relevant information. Please note that data contained in abstracts may not always be an accurate reflection of the data contained within the full article.

RESULTS

Rapid Response reports are organized so that the higher quality evidence is presented first. Therefore, health technology assessment reports, systematic reviews, and meta-analyses are presented first. These are followed by randomized controlled trials, and non-randomized studies.
One relevant non-randomized study was identified regarding the use of voice recognition tools for nurse charting to decrease the time required for documentation. No relevant health technology assessment reports, systematic reviews, meta-analyses, or randomized controlled trials were identified. Additional references of potential interest, including information regarding voice recognition software use by health professionals other than nurses, are provided in the appendix.

OVERALL SUMMARY OF FINDINGS

The identified non-randomized study examined the use of a voice recognition system used to input data into electronic nursing records. Both the system and a template for an electronic record were examined and authors found that the voice system was faster when compared with keyboard input.
REFERENCES SUMMARIZED

Health Technology Assessments
No literature identified.

Systematic Reviews and Meta-analyses
No literature identified.

Randomized Controlled Trials
No literature identified.

Non-Randomized Studies


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APPENDIX – FURTHER INFORMATION:

Non-Randomized Studies – contexts other than nursing


Additional References


