**Translating New Knowledge from Technology Based Research Projects:**

**Randomized Controlled Study of an Intervention[[1]](#footnote-1)**

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**Abstract:**

*This paper presents the methodology and results of a Knowledge Translation (KT) Intervention study recently completed at the University at Buffalo. KT responds to a growing concern about obtaining beneficial social impact from research that is sponsored through public funding. In essence, it upholds knowledge utilization as a desired research outcome. This study addressed new knowledge generated by technology based research and development (R&D) projects related to Augmentative and Alternative (AAC) Communication, and evaluated a KT strategy for its effects on five different types of participant stakeholders. Using a randomized controlled design, and employing the Level of Knowledge Use Survey (LOKUS) to measure effects, the study compared changes in participants’ levels of K use under 3 experimental conditions - exposure to K through tailored and targeted dissemination of knowledge (TTDK), exposure to K through targeted dissemination of knowledge (TDK) and any previous exposure to K through passive diffusion (control). Results showed both TTDK and TDK effective compared to the control condition, but not different from each other. Targeting audience for dissemination of K, the common component of both methods, is effective as a strategy to increase K use levels; whereas tailoring of knowledge does not seem to add to the effect. The paper discusses results as well as key features of the KT strategy and the development of LOKUS.*

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1. Paper presented at the AEA 2011 Annual Meeting, Anaheim, CA, Nov. 5, 2011 [↑](#footnote-ref-1)
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