Towards Evaluating Ambient Assisted Living: State-of-the-Art Use of Measures

Ruediger Breitschwerdt
*Information Systems and Information Management, Osnabrueck University, Osnabrueck, Germany*, rbreitsc@uni-osnabrueck.de

Arne Bergmann
*Osnabrueck University, Osnabrueck, Germany*, arbergma@uos.de

Oliver Thomas
*Osnabrueck University, Osnabrueck, Germany*, othomas@uos.de

Follow this and additional works at: [http://aisel.aisnet.org/amcis2012](http://aisel.aisnet.org/amcis2012)

Recommended Citation
[http://aisel.aisnet.org/amcis2012/proceedings/Posters/19](http://aisel.aisnet.org/amcis2012/proceedings/Posters/19)

This material is brought to you by the Americas Conference on Information Systems (AMCIS) at AIS Electronic Library (AISeL). It has been accepted for inclusion in AMCIS 2012 Proceedings by an authorized administrator of AIS Electronic Library (AISeL). For more information, please contact elibrary@aisnet.org.
Towards Evaluating Ambient Assisted Living:  
State-of-the-Art Use of Measures

Rüdiger Breitschwerdt, Arne Bergmann, Oliver Thomas  
Osnabrück University, Germany  
Chair of Information Management & Information Systems (IMWI)  
{rbreitsc|arbergma|othomas}@uos.de

ABSTRACT
In order to determine the current evaluation of Ambient Assisted Living (AAL) solutions’ benefits, a systematic review of state-of-the-art literature was conducted. Four scientific online libraries were searched, articles combining AAL and controlling were considered relevant. In total, 223 abstracts were identified. Each of them was assessed regarding its suitability for the research at hand. The subsequent review contained analysis of 13 heterogeneous relevant articles: two of them discussed instruments and indicators for efficiency, eleven focused on quality aspects. Evidence on concrete measurement of benefits is specific and limited. Analyses of outcomes for stakeholders have not been standardized, yet. Demand for larger studies of AAL solutions and more focus on patients’ and economic perspectives exists.

Keywords
Ambient Assisted Living, AAL, Systematic, Literature Review, Evaluation, Controlling, Measure, Quality.