

## Association for Information Systems AIS Electronic Library (AISeL)

---

AMCIS 2011 Proceedings - All Submissions

---

8-5-2011

# A Nursing Diagnosis Decision Aid Adoption Assessment

Maranda E. McBride

*North Carolina Agricultural & Technical State University, mcbride@ncat.edu*

Celestine A. Ntuen

*North Carolina Agricultural & Technical State University, ntuen@ncat.edu*

Lemuria Carter

*North Carolina Agricultural & Technical State University, Ldcarte2@ncat.edu*

Follow this and additional works at: [http://aisel.aisnet.org/amcis2011\\_submissions](http://aisel.aisnet.org/amcis2011_submissions)

---

### Recommended Citation

McBride, Maranda E.; Ntuen, Celestine A.; and Carter, Lemuria, "A Nursing Diagnosis Decision Aid Adoption Assessment" (2011).  
*AMCIS 2011 Proceedings - All Submissions*. 73.

[http://aisel.aisnet.org/amcis2011\\_submissions/73](http://aisel.aisnet.org/amcis2011_submissions/73)

This material is brought to you by AIS Electronic Library (AISeL). It has been accepted for inclusion in AMCIS 2011 Proceedings - All Submissions by an authorized administrator of AIS Electronic Library (AISeL). For more information, please contact [elibrary@aisnet.org](mailto:elibrary@aisnet.org).

# A Nursing Diagnosis Decision Aid Adoption Assessment

**Maranda E. McBride**

Department of Management  
North Carolina Agricultural & Technical State  
University  
[mcbride@ncat.edu](mailto:mcbride@ncat.edu)

**Celestine A. Ntuen**

Department of Industrial & Systems Engineering  
North Carolina Agricultural & Technical State  
University  
[ntuen@ncat.edu](mailto:ntuen@ncat.edu)

**Lemuria D. Carter**

Department of Accounting  
North Carolina Agricultural & Technical State University  
[ldcarte2@ncat.edu](mailto:ldcarte2@ncat.edu)

## ABSTRACT

This study investigates the roles trust and bias may play in nursing information technology acceptance via a two-phase study. In phase one, the impact of user experience on levels of trust in and bias towards automated decision aids (ADAs) is assessed. In phase two, the impact of trust and bias on ADA adoption is explored using actual usage data. The results indicate that experienced nurses have higher levels of trust and positive bias towards automation; yet, novice nurses are more likely to accept information from an ADA. Additionally, a parsimonious model incorporating trust, bias, experience, and ADA adoption is proposed.