

Literature Citations for ATHENA-CDS and ATHENA-HTN:

Summary paper describing the system and implementation:

- Goldstein M.K., Coleman R., Tu S.W., Shankar R.D., O'Connor M.J., Musen M.A., Martins S.B., Lavori P.W., Shlipak M.G., Oddone E., Advani A.A., Gholami P., Hoffman B.B. Translating Research Into Practice: Organizational Issues in Implementing Automated Decision Support for Hypertension in Three Medical Centers. *J Am Med Inform Assoc*, 11:368-376, 2004. PMC link: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC516243>.

Other citations for more detail:

- Advani A, Tu S, O'Connor M, Coleman R, Goldstein MK, Musen M. Integrating a Modern Knowledge-Based System Architecture with a Legacy VA Database: The ATHENA and EON Projects at Stanford. *Proceedings of the 1999 Annual Meeting American Medical Informatics Association*, (1-2):653-7, 1999. PMC link: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2232584>.
- Goldstein, M.K., B.B. Hoffman, R.W. Coleman, M.A. Musen, S.W. Tu, A. Advani, R. Shankar, and M. O'Connor, Implementing Clinical Practice Guidelines While Taking Account of Changing Evidence: ATHENA, an Easily Modifiable Decision-Support System for Management of Hypertension in Primary Care. *Proceedings of the American Medical Informatics Association 2000*, (20 Suppl):300-304, 2000. PMC link: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2243943>.
- Advani, A., M. Goldstein, Y. Shahar, and M.A. Musen, Developing quality indicators and auditing protocols from formal guideline models: knowledge representation and transformations. *Proc AMIA Symp*, 2003: p. 11-5. PMC link: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1480136>.
- Advani, A., N. Jones, Y. Shahar, M.K. Goldstein, and M.A. Musen. An intelligent case-adjustment algorithm for the automated design of population-based quality auditing protocols. *Medinfo*, 2004. 11(Pt 2): p. 1003-7.
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- Martins, S.B., S. Lai, S. Tu, R. Shankar, S.N. Hastings, B.B. Hoffman, N. DiPilla, and M.K. Goldstein. Offline Testing of the ATHENA-Hypertension Decision Support System Knowledge Base to Improve Accuracy of Recommendations. *Proceedings of the American*

Medical Informatics Association Symposium 2006, 539-543. PMC link:
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1839611>.

- Lin, N.D., S.B. Martins, A.S. Chan, R.W. Coleman, H.B. Bosworth, E.Z. Oddone, R.D. Shankar, M.A. Musen, B.B. Hoffman, and M.K. Goldstein. Identifying Barriers to Hypertension Guideline Adherence Using Clinician Feedback at the Point of Care. *Proc 2006 AMLA Symposium*, 494-498. PMC link:
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1839712>.
- Bosworth, H.R., M.K. Olsen, F. McCant, M. Harrelson, P. Gentry, C. Rose, M.K. Goldstein, B. Hoffman B.B. (Boston VA Medical Center & Harvard Medical School, MA), B. Powers, and E.Z. Oddone. Hypertension Intervention Nurse Telemedicine Study (HINTS): Testing a multifactorial tailored behavioral/educational and a medication management intervention for blood pressure control. *Am Heart J*, 2007. 153(6): p. 918-24.

Literature Citations for ATHENA-OT:

- Michel M., Trafton JA, Martins SB, Wang D., Tu S., Johnson NA, Goldstein MK. "Improving Patient Safety using ATHENA-Decision Support System Technology: Opioid Therapy for Chronic Pain." *Advances in Patient Safety: New Directions and Alternative Approaches. Vol. 4 From Research to Implementation*. AHRQ Publication Nos. 08-0034 (1-4). July 2008. Agency for Healthcare Research and Quality, Rockville, MD. PMID: 21249951.
- Trafton JA, Martins SB, Michel MC, Lewis E, Wang D, Combs A, Scates N, Tu SW, Goldstein MK. "Evaluation of the acceptability and usability of a decision support system to encourage safe and effective use of opioid therapy for chronic, non-cancer pain by primary care providers." *Pain Medicine*. 2010 Apr;11 (4):575-85.
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PMC link: <http://www.ncbi.nlm.nih.gov/pubmed/20385018>