

## Biographical Sketch

**Provide the following information for each individual included in the Research & Related Senior/Key Person Profile (Expanded) Form.**

NAME NIHARIKA BHARDWAJ	POSITION TITLE INFORMATICS RESEARCH COORDINATOR		
EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE (IF APPLICABLE)	YEAR(S)	FIELD OF STUDY
Lokmanya Tilak Medical College, Mumbai, MH, India	MBBS	2007 – 2013	Medicine & Surgery
Marshall University, Huntington, WV	M.S.	2016- 2017	Medical Informatics
RESEARCH AND PROFESSIONAL EXPERIENCE:			
<b><u>Positions and Employment</u></b>			
Feb 2012 – Feb 2013	Intern, Lokmanya Tilak Municipal General Hospital, Mumbai, MH		
Feb 2012 – Feb 2013	Visiting Medical Student, John H. Stroger Hospital of Cook County, Chicago, IL		
Feb 2012 – Feb 2013	Visiting Medical Student, University of Texas Health Science Center, San Antonio, TX		
Feb 2016 – May 2017	Graduate Assistant, Joan C. Edwards School of Medicine, Marshall University, Huntington, WV		
May 2017 – Aug 2017	Clinical Informatics Data Science Intern, Marshall Health, Huntington, WV		
May 2017 – Jun 2018	Clinical Reviewer, Marshall Journal of Medicine, Huntington, WV		
Sept 2017 – May 2018	Data Scientist, Marshall Health, Huntington, WV		
Sept 2017 – May 2019	Guest Lecturer, Joan C. Edwards School of Medicine, Marshall University, Huntington, WV		
Jun 2018 – May 2019	Scientific Editor, Marshall Journal of Medicine, Huntington, WV		
May 2018 – present	Informatics Research Coordinator, Joan C. Edwards School of Medicine, Marshall University, Huntington, WV		
May 2019 – present	Managing Editor, Marshall Journal of Medicine, Huntington, WV		
May 2019 – present	Instructor, Joan C. Edwards School of Medicine, Marshall University, Huntington, WV		

## **Publications**

**Bhardwaj, N.,** Wodajo, B., Gochipathala, K., Paul III, D. P., & Coustasse, A. (2017). Can mHealth Revolutionize the Way We Manage Adult Obesity? *Perspectives in Health Information Management*, 14(Spring). PMID: 28566984.

**Bhardwaj, N.,** Wodajo, B., Spano, A., Neal, S., & Coustasse, A. (2018). The Impact of Big Data on Chronic Disease Management. *The health care manager*, 37(1), 90-98. PMID: 29266087.

Spence, N., **Bhardwaj, N.,** Paul III, D. P., & Coustasse, A. (2018). Ransomware in Healthcare Facilities: A Harbinger of the Future? *Perspectives in Health Information Management*, 1-22.

Amro, A., Baez, G. A., Koromia, G. A., **Bhardwaj, N.,** Aguilar, R., El-Hamdani, M., & Irfan, A. Albumin level as a risk marker and predictor of peripartum cardiomyopathy. *Journal of the American College of Cardiology*, 73(9 Supplement 1), 835.

Pratt, R. D., Brickman, C., Nawab, A., Cottrill, C., Snoad, B., Lakhani, H. V., Jelcick, A., Henderson, B., **Bhardwaj, N. N.,** Sanabria, J. R., Liu, J., Xie, Z., Abraham, N. G., Shapiro, J. I. & Sodhi, K. (2019). The Adipocyte Na/K-ATPase Oxidant Amplification Loop is the Central Regulator of Western Diet-Induced Obesity and Associated Comorbidities. *Scientific reports*, 9(1), 7927. doi:10.1038/s41598-019-44350-9.

Acosta, G., Amro, A., Aguilar, R., Abusnina, W., **Bhardwaj, N.,** Koromia, G., ... & Irfan, A. (2020). Clinical Determinants of Myocardial Injury, Detectable and Serial Troponin Levels Among Patients with Hypertensive Crisis. *Cureus*, 12(1).

Cecchetti, A., **Bhardwaj N.,** Murughiyan U., Kothakapu, G., & Sundaram, U. (2020). Appalachian Informatics Platform: A Multicentric Data Warehouse with Embedded Data Analytics and Interactive Visualization for Clinical and Translational Research. *JMIR Preprints*. 24/01/2020:17962. doi: 10.2196/preprints.17962. url: <https://preprints.jmir.org/preprint/17962>

**Bhardwaj, N.,** Cecchetti, A., Murughiyan, U., & Neitch, S. (2020). Fueling Dementia Research in Appalachia via Appalachian Informatics Platform. *JMIR Preprints*. 24/02/2020:18389. doi: 10.2196/preprints.18389. url: <https://preprints.jmir.org/preprint/18389>

## **Abstracts Published/Presented**

Paul III, D. P., **Bhardwaj, N.,** Wodajo, B., Gochipathala, K., & Coustasse, A. (2016, November) Mobile health interventions for adult obesity in the United States: Analysis of effectiveness and efficacy. Proceedings of the Northeast Business and Economics Association fall conference, West Point, NY. pp. 221-226.

**Bhardwaj, N.,** Sundaram, S., Schafer, C., Gress, T., Cecchetti, A. Utilization of ACTSI Data Warehouse to more accurately predict disease processes important for Central Appalachia. 12th Annual CCTS Spring Conference, Lexington, KY, USA, 2017.

Khanna, R., **Bhardwaj, N.,** Schafer, C., Gress, T., Sharps, G., Shah, M., Muto, B.J., Sacconi, P., Cecchetti, A., (2017, Dec) Hospital Emergency Department Visits For Non-Traumatic Oral Health Conditions. West Virginia Oral Health Coalition, Charleston, WV.

Cecchetti, A., **Bhardwaj, N.,** (2018, April). Using Data Warehouse and Tableau Technology for Population Health Management through Information Mapping and Storytelling. Presented at 2018 National Oral Health

Conference, Louisville, KY.

Khanna, R., **Bhardwaj, N.**, Schafer, C., Gress, T., Sharps, G., Shah, M., Muto, B.J., Sacconi, P., Cecchetti, A., (2018, April) Hospital Emergency Department Visits For Non-Traumatic Oral Health Conditions. 2018 National Oral Health Conference; Louisville, KY.

Paul, III, D. P., Spence, N., **Bhardwaj, N.**, Coustasse, A. (2018, April). Healthcare Facilities: Another Target for Ransomware Attacks. Presented at the 54th Annual MBAA Conference, Chicago, IL.

Sarkar, R., Metzger, M., Sayer, H., Slater, C., **Bhardwaj, N.**, Coustasse, A. (2018, April). Telepharmacy and Pharmaceutical Access to Rural Areas. Presented at the 54th Annual MBAA Conference, Chicago, IL.

Amro, A., Acosta, G., Koromia, G., **Bhardwaj, N.**, Aguilar, R., El-Hamdani, M., & Irfan, A. (2019) Albumin level as a risk marker and predictor of Peripartum cardiomyopathy. 31st Annual Research Day, Marshall University Health Sciences Center; Huntington, WV.

Acosta, G., Aguilar, R., **Bhardwaj, N.**, Abusnina, W., Amro, A., Koromia, G., Studeny, M., & Irfan, A. (2019) Clinical Determinants of Myocardial Injury among Hypertensive Crisis Patients. 31st Annual Research Day, Marshall University Health Sciences Center; Huntington, WV.

**Bhardwaj, N.** (2019, April). Healthcare AI: The Good & The Bad. Presented at the Appalachian Institute of Digital Evidence (AIDE), Huntington, WV.

Amro, A., Baez, G. A., Koromia, G. A., **Bhardwaj, N.**, Aguilar, R., El-Hamdani, M., & Irfan, A. Albumin level as a risk marker and predictor of peripartum cardiomyopathy. *Journal of the American College of Cardiology*, 73(9 Supplement 1), 835.

Giancarlo, A., Amro, A., Abusnina, W., Aguilar, R., **Bhardwaj, N.**, Koromia, G., Studeny, M., and Irfan, A. (2019). Clinical Determinants of Myocardial Injury, Detectable and Serial Troponin Levels among Patients with Hypertensive Crisis. *Arteriosclerosis, Thrombosis, and Vascular Biology* 39, no. Suppl\_1: A529-A29.

**Bhardwaj, N.**, Sundaram, S., Carter, L. E., Cecchetti, A. A., and Sundaram, U. (2020). Metabolic Syndrome: Are current colon cancer screening guidelines enough in a rural population? Presented at Digestive Disease Week 2020, Chicago, IL.