

CURRICULUM VITAE

NAME: Mamlin, Burke William

EDUCATION:

Residency: Indiana University Internal Medicine Residency
Indianapolis, IN 1996-1999
Internal Medicine

Medical School: Indiana University School of Medicine
Indianapolis, IN 1992-1996
M.D., 1996

College: Wesleyan University
Middletown, CT 1985-1989
B.S., 1989 in Molecular Biology & Biochemistry

FURTHER EDUCATION:

Fellowship: Regenstrief Institute for Health Care
National Library of Medicine Medical Informatics
Fellowship
Indianapolis, Indiana 2000-2003

ACADEMIC APPOINTMENTS:

7/2003-present: Associate Professor of Clinical Medicine
IU School of Medicine
Indianapolis, IN

7/2003-present: Investigator and Faculty Member
Medical Informatics Department
The Regenstrief Institute
Indianapolis, IN

2007-present: Adjunct Assistant Professor of Informatics
Department of Informatics
Indiana University

1999-2000: Chief Resident of Internal Medicine
Wishard Memorial Hospital
Indiana University Internal Medicine Residency
Indianapolis, IN

HOSPITAL APPOINTMENTS:

- 7/2001-present: Indiana University Health
Attending Staff
- 7/2001-present: Eskenazi Health
Attending Staff

OTHER APPOINTMENTS AND PROFESSIONAL CONSULTANTSHIPS:

- 11/2004-present: Co-Founder and Chief Software Architect
OpenMRS
- 5/2008-2/2013: Co-Director of World Health Organization
Collaborating Center of Medical Informatics

CERTIFICATIONS:

- 1999 Board Certified in Internal Medicine
- 2015 Board Certified in Clinical Informatics

PROFESSIONAL ORGANIZATIONS:

- 2000 – present: Member of the American Medical Informatics Association. *Academy representative of the National Alliance for Primary Care Informatics.*

PROFESSIONAL HONORS AND AWARDS:

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| Donald A.B. Lindberg Award
for Innovation in Informatics | American Medical
Informatics Association | 2016 |
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TEACHING ASSIGNMENTS:

Medical Students, Residents, and Fellows:

- 1999 – present: Inpatient Wards. Leading an inpatient ward team at least one rotation (2 weeks) each year. A team usually consists of one senior medicine resident, 2-3 junior residents (interns), 1 senior medical student, 3 junior medical student, and a student pharmacist.
- 2007 – present Google Summer of Code Mentor for OpenMRS
- 2008 – present: Resident Clinic. ½ day each week overseeing up to four internal medicine residents.
- 2000 – 2013: National Library of Medicine Medical Informatics Fellowship lecturer
- 2014 – present Google Code-in Mentor for OpenMRS
2014 – present Google Code-in Mentor for OpenMRS

Invited National/International Lectures & Workshops:

Microservices for OpenMRS. 2019 OpenMRS Implementers Conference. Maputo, Mozambique. 12/2019

Out of the box ETL - Reporting solution for OpenMRS. 2019 OpenMRS Implementers Conference. Maputo, Mozambique. 12/2019

Tech Radar Update. 2018 OpenMRS Implementers Conference. Nairobi, Kenya.

Technical Roadmap (Getting to OpenMRS 3.0). 2018 OpenMRS Implementers Conference. Nairobi, Kenya

2016 Strategy: Platform. OpenMRS Worldwide Summit 2015. Singapore. 12/2015.

Introducing Developer Stages. Maputo 2015 OpenMRS Implementers Meeting. Maputo, Mozambique. 1/2015.

OpenMRS: The Next Generation. OpenMRS Implementers Meeting. Eldoret, Kenya. 10/2013.

GHDonline Expert Panel: OpenMRS Implementers: Experiences and Lessons Learned, ghdonline.org, 5/2012.

The Regenstrief Gopher System: A Next Generation CPOE Built on an Open-Source Framework. Panel at AMIA Symposium. 11/2012

Global Communities Building Open Source Health IT Platforms. OSCON. Portland, Oregon. 7/2012.

OpenMRS. Central Indiana Linux Users Group. Indianapolis, Indiana. 8/2011.

OpenMRS. ThoughtWorks Code Jam. Chicago, Illinois. 6/2011.

OpenMRS in Kenya. iHub. Nairobi, Kenya. 1/2010.

History and Vision of OpenMRS. IMeCA Meeting. Lima, Peru. 10/2009.

OpenMRS Overview and Road Map. OpenMRS Implementers Meeting. Cape Town, South Africa. 9/2009.

What is OpenMRS? OpenMRS Implementer and Developer Meeting, Boston. 5/2009.

OpenMRS: Using Information Technology to Unleash the Transformational Power of Communities. University of Indianapolis School of Nursing. 3/2009.

The AMPATH Experience: E-Record Capabilities. Seminar of the American Association for Dental Research, Indianapolis, IN, 1/2008.

OpenMRS as a Form of Social Transformation. 10th Biennial Regenstrief Conference, Indianapolis IN, 10/2007.

OpenMRS. Google Tech Talk, Mountain View CA, 8/2007.

Growing OpenMRS into an International Standard. 2nd Annual OpenMRS Implementers Conference, Cape Town South Africa, 3/2007.

The OpenMRS Community. 1st Annual OpenMRS Implementers Meeting, Cape Town South Africa, 7/2006.

PROFESSIONAL SERVICE:

Service to discipline:

- 5/2011 – 2/2016 Regenstrief Institute
Innovation Committee
- 10/2014 – 10/2015 Eskenazi Health
Medication Reconciliation Development
- 12/2013 – 11/2015 Regenstrief Institute
New Building Committee
- 12/2014 – 3/2015 Eskenazi Health
G3-HMM Interface Workgroup
- 5/2013 – 10/2013 Regenstrief Institute/Eskenazi Health
G3 Steering Committee
- 5/2013 – 10/2013 Eskenazi Health
Social Media Task Force
- 7/2003 – 7/2013 Regenstrief Institute
Medical informatics training fellowship
admissions and didactic committees
- 5/2008 – 2/2013 World Health Organization
Co-Director of Collaborating Center in Medical
Informatics
- 5/2004 – 8/2006 Department of Medicine
IT Advisory Committee
- 6/2004 – 11/2007 IUPUI
Expedited IRB Review Committee
- 3/2005 – 1/2009 IU School of Medicine
IT Coordinating Counsel
- 12/2005 – 8/2007 Division of Internal Medicine
Medicine Policy Advisory Committee

Service to patient/clients and related clinical institutions

- 2001 – present IU School of Medicine
Attending Physician, General Medicine at:

- Eskenazi Hospital (one rotation of medicine ward service per year)
- OCC Clinic (one day per week)

2001 – present	<u>Regenstrief Institute</u> Clinical leader for Medical Gopher Development
2004 – present	<u>IU-Kenya Program</u> Developer Lead for AMPATH Program Installed and maintain collaborative tools (wiki and issue tracker). Currently a consultant.
2005 – present	<u>OpenMRS</u> Co-founder, Leadership Team Member, and Chief Software Architect

OTHER PROFESSIONAL ACTIVITIES:

2014	Paper reviewer for AMIA (American Medical Informatics Association)
2014	Paper reviewer for Journal of Law, Medicine & Ethics
2013-2014	Paper reviewer for HELINA (Health Informatics In Africa Association)
2012	Developed Kidometer for iPhone, a pediatric reference for age-based norms
2007 - 2008	Paper reviewer for American Medical Informatics Association Annual Symposium
1999	Developed the Riley Kidometer, a pediatric reference for Palm devices

GRANTS AND FELLOWSHIPS:

In Process

9/1/16 - 8/31/21

Medical College of Wisconsin

STOP Escalating & Stabilizing Treatment with Opioids for Pain: Comparison of Education and Treatment in Primary Care for Patients with Chronic Pain

Ongoing Research Support

4/01/17 – 8/31/21

Trustees of Indiana University
Precision Health Initiative (PHI) Grand Challenge - Infrastructure
Role: SME, Medical Informatics

9/30/15 – 7/31/20

AHRQ through Indiana University
Designing User-Centered Decision Support Tools for Primary Care Pain Management
Role: Co-Investigator

Completed

11/5/19 - 12/31/19

World Health Organization
Mapping Family Planning (FP) and Sexually Transmitted Infection (STI) Guideline's Core Data Sets into HL7 FHIR Resources
Role: Co-Principal Investigator

9/13/18 – 9/12/19

DHHS-Indian Health Services through Emerging Sun, LLC through Regenstrief Institute, Inc
Indian Health Services Health Information Technology Modernization Research Project
Role: Health Information Technology SME

9/01/17 – 8/31/19

NIH-NIDA
Nudging Primary Care Providers toward Guideline-Recommended Opioid prescribing Through easier and more convenient EHR information design.
Role: Co-Investigator

9/30/15 – 7/31/19

Agency for Healthcare Research and Quality
Designing User-Centered Decision Support Tools for Primary Care Pain Management

	Role: Co-Investigator
7/1/16 – 6/30/19	Walther Cancer Foundation Patient-Centered Informatics for Cancer Survivors Role: Co-Investigator
10/1/12 – 9/30/17	MRTH/USAID/AMPATH Plus This grant supports AIDS/HIV and Primary Health Care in Kenya. Role: Co-Investigator
12/22/14 – 8/7/16	Northrop Grumman Systems Corporation (CDC) CDC Information - Management Services: OpenMRS Role: Co-Principal Investigator and Subject Matter Expert
1/1/14 – 12/31/14	AbbVie Foundation Award to develop, implement and evaluate comprehensive integrated care systems, undergirded by health information technology, for the AMPATH program in Western Kenya. Goal is to use technology to facilitate finding, linking, treating and retaining patients into care. Role: Co-Investigator
2/24/14 – 8/11/14	Google Summer of Code Role: Mentor \$72,000 Mentoring students around the world on open-source programming and community participation.
4/8/13 – 9/23/13	Google Summer of Code Role: Mentor \$96,000 Mentoring students around the world on open-source programming and community participation.
5/1/11 – 3/31/14	IN Challenge Grant Supplemental (Challenge Category #4) Co- Investigator

	\$772,150 Role: Clinical and technical advisor
10/1/07 – 9/30/12	USAID “AMPATH, controlling and preventing HIV/AIDS in Western Kenya” Role: Co-Investigator \$7,742,565 Increasing treatment of AIDS patients in 19 rural health centers and one national referral hospital affiliated with the Indiana University-Moi University collaboration in Western Kenya.
3/16/12 – 8/24/12	Google Summer of Code Role: Mentor \$93,500 Mentoring students around the world on open-source programming and community participation.
3/18/11 – 8/29/11	Google Summer of Code Role: Organization Administrator and Mentor \$82,500 Mentoring students around the world on open-source programming and community participation.
3/18/10 – 8/23/10	Google Summer of Code Role: Mentor \$80,000 Mentoring students around the world on open-source programming and community participation.
7/1/09 – 6/30/10	Rockefeller Foundation Role: Chief Software Architect \$1,000,000 Turning the volunteer collaboration into a formal organization.
3/18/09 – 8/25/09	Google Summer of Code Role: Organization Administrator and Mentor

\$70,000

Mentoring students in nine different countries on open-source programming and community participation.

9/29/07 – 9/30/10

CDC

“Electronic Medical Records to Improve Patient Care and Public Health in Rural Kenya”

Role: Co-Investigator

\$356,844

Merging of primary care and HIV/AIDS electronic medical records to improve coordination of care for pregnant women, children born of HIV-infected mothers, and patients with tuberculosis.

9/15/04 – 9/14/09

National Library of Medicine

“I3: The Indiana IAIMS Initiative”

Role: Co-Investigator

\$319,475

The goal of the Indiana (IAIMS) Initiative (I3) is to create an integrated, Indianapolis MSA (Metropolitan Statistical Area) wide clinical data and knowledge information management system that serves the needs of patient care, public health, education, policy generation and research. The information management system will be used by patients, health care providers, public health officials, educators, policy makers and researchers.

3/12/08 – 8/31/08

Google Summer of Code

Role: Organization Administrator and Mentor

\$55,000

Mentoring students in seven different countries on open-source programming and community participation.

3/14/07 – 8/31/07

Google Summer of Code

Role: Organization Administrator and Mentor

\$60,000

Mentoring students in eight different countries

on open-source programming and community participation.

3/1/06 – 10/31/07	USAID Role: Co-Investigator \$1,263,604 AMPATH, A Comprehensive Response to the HIV/AIDS Epidemic in Kenya
10/1/05 – 12/31/08	Rockefeller Foundation, World Health Organization, UN Development Program Role: Co-Investigator \$900,000 Implementation of the AMPATH Medical Record System in East Africa: A Pilot Project
10/1/05 – 9/30/08	Rockefeller Foundation through Moi University Role: Co-Investigator \$450,000 Academic Model for the Prevention and Treatment of HIV/AIDS
9/8/04 – 8/31/07	AHRQ Role: Co-Investigator \$367,284 Value of New Drug Labeling Knowledge for e-Prescribing
8/20/04 – 8/20/08	Indiana 21 st Century Technology & Research Fund Role: Co-Investigator \$834,918 A Center of Excellence in Medical Informatics to Provide an Advanced Infrastructure for Human Research: Rocket Fuel for Indiana Research
6/1/04 – 7/31/06	Rockefeller Foundation Role: Co-Investigator \$229,600 Electronic medical records: A critical tool in the Battle against HIV/AIDS in Africa

PRINT AND ELECTRONIC PUBLICATIONS:

Research, scholarship, or creative activities

Refereed Publications

Dilulio J, Militello LG, Andraka-Christou BT, Cook RL, Hurley RW, Downs SM, Anders S, Mamlin BW, Danielson EC, Harle CA. Factors That Influence Changes to Existing Chronic Pain Management Plans. *J Am Board Fam Med*. 2020 Jan 33 (1):42-50. <https://doi.org/10.3122/jabfm.2020.01.190284>

Harle C, Dilulio J, Downs SM, Danielson EC, Anders S, Cook RL, Hurley RW, Mamlin BW, Militello LG. Decision-Centered Design of Patient Information Visualizations to Support Chronic Pain Care. *Appl Clin Inform*. 2019 Aug 10(04):719-728. <http://doi.org/10.1055/s-0039-1696668>

Harle CA, Apathy NC, Cook RL, Danielson EC, Dilulio J, Downs SM, Hurley RW, Mamlin BW, Militello LG, Anders S. Information Needs and Requirements for Decision Support in Primary Care: An Analysis of Chronic Pain Care. *AMIA Annu Symp Proc*. 2018 Nov 3;

Mamlin B, Cullen T. Public Health Decisions Using Point of Care Data from Open Source Systems in Africa. *Online journal of public health informatics*. 2018; 10(1).

Toward better public health reporting using existing off the shelf approaches: The value of medical dictionaries in automated cancer detection using plaintext medical data. Suranga N. Kasthurirathne, Brian E. Dixon, Judy Gichoya, Huiping Xu, Yuni Xia, Burke Mamlin, d, Shaun J. Grannis. *J Biomed Inform*. 2017 April; In Press. <http://doi.org/10.1016/j.jbi.2017.04.008>

Kasthurirathne SN, Mamlin BW, Purkayastha S, Cullen T. Overcoming the Maternal Care Crisis: How Can Lessons Learnt in Global Health Informatics Address US Maternal Health Outcomes?. *AMIA Annu Symp Proc*. 2017;2017 April:1034-1043. eCollection 2017. Review. PubMed PMID: 29854171; PubMed Central PMCID: PMC5977676.

Anders S, Militello L, Downs SM, Danielson EC, Mamlin BW, Cook RL, Hurley RW & Harle, CA. Primary care clinician sensemaking for managing patients with chronic pain. *International Healthcare Symposium*. New Orleans. 2017 March 5-8.

Kasthurirathne SN, Mamlin BW, Cullen T. Leveraging the Value of Human Relationships to Improve Health Outcomes. Lessons learned from the OpenMRS Electronic Health Record System. *Appl Clin Inform.* 2017 Feb 1;8(1):108-121. <http://doi.org/10.4338/ACI-2016-08-RA-0139>

Kasthurirathne SN, Biondich PG, Mamlin BW, Cullen TA, Grannis SJ. An Incremental Adoption Pathway for Developing Precision Medicine Based Healthcare Infrastructure for Underserved Settings. *Stud Health Technol Inform.* 2017;245:442-446. PubMed PMID: 29295133.

Kasthurirathne SN, Dixon BE, Gichoya J, Xu H, Xia Y, Mamlin B, Grannis SJ. Toward better public health reporting using existing off the shelf approaches: A comparison of alternative cancer detection approaches using plaintext medical data and non-dictionary based feature selection. *J Biomed Inform.* 2016 Apr;60:145-52. <http://doi.org/10.1016/j.jbi.2016.01.008>

Mamlin, B. W., Tierney, W. M. (2016). The Promise of Information and Communication Technology in Healthcare: Extracting Value From the Chaos. *The American Journal of the Medical Sciences*, 351(1), 59–68. <http://doi.org/10.1016/j.amjms.2015.10.015>

Kasthurirathne SN, Mamlin B, Kumara H, Grieve G, Biondich P. Enabling Better Interoperability for HealthCare: Lessons in Developing a Standards Based Application Programming Interface for Electronic Medical Record Systems. *Journal of Medical Systems.* 2015 Nov; 39(11):182. <http://doi.org/10.1007/s10916-015-0356-6>

Kasthurirathne SN, Mamlin B, Grieve G, Biondich P. Towards Standardized Patient Data Exchange: Integrating a FHIR Based API for the Open Medical Record System. *Stud Health Technol Inform.* 2015;216:932.

Duke, J. D., Morea, J., Mamlin, B., Martin, D. K., Simonaitis, L., Takesue, B. Y., et al. (2014). Regenstrief Institute's Medical Gopher: A next-generation homegrown electronic medical record system. *International Journal of Medical Informatics*, 83(3), 170–179. <http://doi.org/10.1016/j.ijmedinf.2013.11.004>

Rajput ZA, Mbugua S, Amadi D, Chepng'eno V, Saleem JJ, Anokwa Y, et al. Evaluation of an Android-based mHealth system

for population surveillance in developing countries. *Journal of the American Medical Informatics Association*. 2012 Jul-Aug;19(4):655-9. EPub 2012 Feb 24.

Were, M.C., Shen, C., Tierney, W.M., Mamlin, J.J., Biondich, P.G., Li, X., Kimaiyo, S., Mamlin, B.W.. Evaluation of computer-generated reminders to improve CD4 laboratory monitoring in sub-Saharan Africa: a prospective comparative study. *Journal of the American Medical Informatics Association*. 2011 Mar. 1;18(2):150–155.

Mohammed-Rajput NA, Smith DC, Mamlin B, Biondich P, Doebbeling BN, OpenMRS Collaborative Investigators. OpenMRS, a global medical records system collaborative: factors influencing successful implementation. *AMIA Annual Symposium proceedings / AMIA Symposium*. 2011;2011:960–8.

Noormohammad, S.F., Mamlin, B.W., Biondich, P.G., McKown, B., Kimaiyo, S.N., and Were, M.C.. Changing course to make clinical decision support work in an HIV clinic in Kenya. *International Journal of Medical Informatics*. 2010 Mar.;79(3):204–210.

Seebregts C.J., Mamlin B.W., Biondich P.G., Fraser H.S.F., Wolfe B.A., Jazayeri D., Miranda, J., Blaya, J., Sinha, C., Bailey, C.T., and Kanter, A.S.. Human Factors for Capacity Building. Lessons learned from the OpenMRS Implementers Network. *Yearb Med Inform*. 2010:13–20.

Tierney W.M., Achieng M., Baker E., Bell A., Biondich P., Braitstein P., Kayiwa D., Kimaiyo, S., Mamlin, B., McKown, B., Musinguzi, N., Nyandiko, W., Rotich, J., Sidle, J., Siika, A., Were, M., Wolfe, B., Wools-Kaloustian, W., Yeung, A., Yiannoutsos, C., and Tanzania-Uganda Openmrs Consortium. Experience implementing electronic health records in three East African countries. *Studies in health technology and informatics*. 2010;160(Pt 1):371–375.

Were M.C., Kariuki J., Chepng'eno V., Wandabwa M., Ndege S., Braitstein P., Wachira, J., Kimaiyo, S., and Mamlin, B.. Leapfrogging paper-based records using handheld technology: experience from Western Kenya. *Studies in health technology and informatics*. 2010;160(Pt 1):525–529.

Seebregts C.J., Mamlin B.W., Biondich P.G., Fraser H.S.F., Wolfe B.A., Jazayeri D., Allen, C., Miranda, J., Baker, E., Musinguzi, N., Kayiwa, D., Fourie, C., Lesh, N., Kanter, A., Yiannoutsos, C.T.,

Bailey, C., and OpenMRS Implementers Network. The OpenMRS Implementers Network. *International Journal of Medical Informatics*. 2009 Nov.;78(11):711–720.

Were M, Mamlin BW, Tierney W, Wolfe B, Biondich P. (2007) Concept Dictionary Creation and Maintenance Under Resource Constraints: Lessons from the AMPATH Medical Record System. AMIA Annual Symposium 2007.

Allen C., Jazayeri D., Miranda J., Biondich P.G., Mamlin B.W., Wolfe B.A., Seebregts C., Lesh N., Tierney W.M., Fraser H.S.F. (2007). Experience in implementing the OpenMRS medical record system to support HIV treatment in Rwanda. MedInfo, Australia.

Tierney W.M., Rotich J.K., Hannan T.J., Siika A.M., Biondich P.G., Mamlin B.W., Nyandiko W.M., Kimaiyo S., Wools-Kaloustian K., Sidle J.E., Simiyu C., Kigotho E., Musick B., Mamlin J.J., Einterz R.M. (2007). The AMPATH Medical Record System: Creating, Implementing, and Sustaining an Electronic Medical Record System to Support HIV/AIDS Care in Western Kenya. MEDINFO. Brisbane, Australia.

Mamlin, B. W., P. G. Biondich, et al. (2006). Cooking Up An Open Source EMR For Developing Countries: OpenMRS - A Recipe For Successful Collaboration. AMIA Annual Symposium. Washington, D.C.

Tierney WM, B. P., Mamlin BW, Kho AN, Wolfe BA, Smith FE, Hudson BL (2006). Electronic medical records in research networks and international settings. Keynote Address at Critical Issues of eHealth Research 2006: Toward Quality Patient-Centered Care, Washington, DC.

Tierney WM, Mamlin BW, Biondich PG, Wolfe BE (2006). Implementing an electronic medical record to improve care of patients with HIV/AIDS in East Africa. (In: Technology Partnerships for Better Health: How US Entities are Pairing with Other Nations to Move HIE and HIT Forward. The Third Health Information Technology Summit, Washington, DC.

Diero L, Rotich JK, Bii J, Mamlin BW, Einterz RM, Kalami IZ, Tierney WM. A computer-based medical record system and personal digital assistants to assess and follow patients with respiratory tract infections visiting a rural Kenyan health centre.

BMC Med Inform Decis Mak. 2006 Apr 10;6:21.
<http://doi.org/10.1186/1472-6947-6-21>

Wolfe, B. A., Mamlin, B. W., Biondich, P. G., Fraser, H. S., Jazayeri, D., Allen, C., et al. (2006). The OpenMRS System: Collaborating Toward an Open Source EMR for Developing Countries. *AMIA Annual Symposium*, 1146.

Kohli, M., Hawes, D., Mamlin, B., Biondich, P., & Johnson, M. (2006). Developing a Radiology Information System and Picture Archiving and Communications System (RIS/PACS) for a Kenyan Hospital. *AMIA Annual Symposium Proceedings*, 988.

Mamlin, B. W. and P. G. Biondich (2006). OpenMRS: An EMR for Developing Countries. American Medical Informatics Association Spring Congress, Phoenix, AZ.

McDonald CJ, Overhage JM, Barnes M, Schadow G, Blevins L, Dexter PR, Mamlin B, Committee IM. The Indiana Network For Patient Care: A Working Local Health Information Infrastructure. *Health Affairs*. 2005 September/October 2005;24(5):1-6.

Biondich PG, Mamlin BW, Hannan TJ, Tierney WM. A Call For Collaboration: Building an EMR for Developing Countries. *AMIA Annual Symposium*; 2005; Washington, D.C.; 2005.

Fraser H, Biondich P, Moodley D, Choi S, Mamlin B, Szolovits P. Implementing electronic medical record systems in developing countries. *Informatics in Primary Care*. 2005;13:83-95.

Grannis, S. J., Biondich, P. G., Mamlin, B. W., Wilson, G., Jones, L., & Overhage, J. M. (2005). How disease surveillance systems can serve as practical building blocks for a health information infrastructure: the Indiana experience. *AMIA Annual Symposium Proceedings*. 2005; 286-90.

Mamlin BW, Biondich PG. AMPATH Medical Record System (AMRS): Collaborating Toward an EMR for Developing Countries. *AMIA Annual Symposium*; 2005.

Zafar A, Mamlin BW, Overhage JM. A Simple Error Classification System for Understanding Sources of Error in Automatic Speech Recognition and Human Transcription. *International Journal of Medical Informatics* 2004.

McDonald CJ, Overhage JM, Mamlin BW, Dexter PD, Tierney WM. Physicians, Information Technology, and Health Care Systems: A Journey, Not a Destination. JAMIA 2004;11:121-124.

Gupta SK, Mamlin BW, Johnson CS, Dollins MD, Topf JT, Dube MP. Prevalence of Proteinuria and the Development of Chronic Kidney Disease in HIV-Infected Patients. Clinical Nephrology 2004;61(1):1-6.

Weiner M, Callahan CM, Tierney WM, Overhage JM, Mamlin B, Dexter PR, McDonald CJ. Using Information Technology to Improve the Healthcare of Older Adults. Annals of Internal Medicine 2003; 139(5 Pt 2):430-6.

Rotich JK, Hannan TJ, Smith FE, Bii J, Odero WW, Vu N, Mamlin BW, Mamlin JJ, Einterz RM, Tierney WM. Installing and Implementing a Computer-based Patient Record System in sub-Saharan Africa: The Mosoriot Medical Record System. JAMIA 2003; 10(4):295-303.

McDonald CJ, Schadow G, Banes M, Dexter P, Overhage JM, Mamlin B, et al. Open Source software in medical informatics – why, how and what. International J of Med Info 2003;69:175-184.

Mamlin BW, Heinze DT, McDonald CJ. Automated Extraction and Normalization of Findings from Cancer-related Free-Text Radiology Reports. Proc of the 2003 AMIA Ann Symp 2003:420-424.

Mamlin BW, Schadow G, Overhage JM. Open-Source Toolkit for Simple XML Annotation. Proc of the 2003 AMIA Ann Symp 2003:925.

Thomas SM, Mamlin B, Schadow G, McDonald CJ. A Successful Technique for Removing Names in Pathology Reports Using an Augmented Search and Replace Method. AMIA Proc 2002.

Mamlin B, Blevins L, Warvel J, McDonald CJ. An Open-Source XML-Based Java Implementation of the Medical Gopher Order and Note Writing Tool. AMIA Proc 2001.

McDonald CJ, Barnes M, Overhage JM, Suico JG, Dexter PR, Schadow G, Mamlin B, et al. The Regenstrief Medical Record System: 30 Years of Learning. AMIA Proc 2001

Overhage JM, Mamlin B, Warvel J, Warvel J, Tierney W, McDonald CJ. A tool for provider interaction during patient care: G-CARE. [Journal Article] Proceedings - the Annual Symposium on Computer Applications in Medical Care:178-82, 1995

Non-refereed Publications

Biondich P, Mamlin B, Tierney W, Overhage M, McDonald C. (2007). Regenstrief Medical Informatics: Experiences with Clinical Decision Support Systems. Clinical decision support : the road ahead. R. A. Greenes. Amsterdam ; Boston, Elsevier Academic Press: 111 (xv, 581 p.).

Mamlin, B. W., Overhage, J. M., Tierney, W. M., Dexter, P. R., McDonald, Clement J. (2007). Clinical Decision Support Within The Regenstrief Medical Record System (RMRS). Clinical decision support systems: theory and practice. New York, Springer.