

## List of Key References in Electronic Health Record Research

Provided by: William Vollmer, Ph.D.  
Use of the Electronic Medical Record in Prevention Research  
Medicine: Mind the Gap Seminar  
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Atreja A, Achkar JP, Jain AK, Harris CM, Lashner BA. Using technology to promote gastrointestinal outcomes research: A case for electronic health records. *Am J Gastroenterol* 2008;103(9):2171-2178.

Blumenthal D, Tavenner M. The "meaningful use" regulation for electronic health records. *N Engl J Med* 2010;363(6):501-504.

Blumenthal D. Launching HITECH. *N Engl J Med* 2010;362(5):382-385.

Boyle R, Solberg L, Fiore M. Use of electronic health records to support smoking cessation. *Cochrane Database Syst Rev* 2014(12):CD008743.

Casey JA, Schwartz BS, Stewart WF, Adler NE. Using electronic health records for population health research: A review of methods and applications. *Annu Rev Public Health* 2016;37:61-81.

CDC. Meaningful Use. <https://www.cdc.gov/ehrmeaningfuluse/introduction.html>. Updated January 18, 2017. Accessed 05/24/2017.

Cohen B, Vawdrey DK, Liu J, Caplan D, Furuya EY, Mis FW, Larson E. Challenges associated with using large data sets for quality assessment and research in clinical settings. *Policy Polit Nurs Pract* 2015;16(3-4):117-124.

Coorevits P, Sundgren M, Klein GO, Bahr A, Claerhout B, Daniel C, Dugas M, Dupont D, Schmidt A, Singleton P, De Moor G, Kalra D. Electronic health records: New opportunities for clinical research. *J Intern Med* 2013;274(6):547-560.

Coronado GD, Vollmer WM, Petrik A, Taplin SH, Burdick TE, Meenan RT, Green BB. Strategies and Opportunities to STOP Colon Cancer in Priority Populations: Design of a cluster-randomized pragmatic trial. *Contemp Clin Trials* 2014;38(2):344-349.

Cowie MR, Blomster JI, Curtis LH, Duclaux S, Ford I, Fritz F, Goldman S, Janmohamed S, Kreuzer J, Leenay M, Michel A, Ong S, Pell JP, Southworth MR, Stough WG, Thoenes M, Zannad F, Zalewski A. Electronic health records to facilitate clinical research. *Clin Res Cardiol* 2017;106(1):1-9.

Dean BB, Lam J, Natoli JL, Butler Q, Aguilar D, Nordyke RJ. Review: Use of electronic medical records for health outcomes research: A literature review. *Med Care Res Rev* 2009;66(6):611-638.

Debar LL, Kindler L, Keefe FJ, Green CA, Smith DH, Deyo RA, Ames K, Feldstein A. A primary care-based interdisciplinary team approach to the treatment of chronic pain utilizing a pragmatic clinical trials framework. *Transl Behav Med* 2012;2(4):523-530.

Dolin RH. Outcome analysis: Considerations for an electronic health record. *MD Comput* 1997;14(1):50-56.

Krishnamoorthy P, Gupta D, Chatterjee S, Huston J, Ryan JJ. A review of the role of electronic health record in genomic research. *J of Cardiovasc Trans Res* 2014;7(8):692-700.

Lin J, Jiao T, Biskupiak JE, McAdam-Marx C. Application of electronic medical record data for health outcomes research: A review of recent literature. *Expert Rev Pharmacoecon Outcomes Res* 2013;13(2):191-200.

Nagykaldi Z, Mold JW. The role of health information technology in the translation of research into practice: An Oklahoma Physicians Resource/Research Network (OKPRN) study. *J Am Board Fam Med* 2007;20(2):188-195.

National Patient-Centered Clinical Research Network. [www.pcornet.com](http://www.pcornet.com). Accessed 5/24/2017.

NIH Collaboratory. NIH Collaboratory Home. [www.nihcollaboratory.org](http://www.nihcollaboratory.org). Accessed 05/24/2017

NIH Office of Strategic Coordination - The Common Fund. HCS Research Collaboratory, Program Resources. <https://commonfund.nih.gov/hcscollaboratory/programresources>. Updated June 7, 2016. Accessed 05/24/2017.

Office of the National Coordinator for Health Information Technology. 'Office-based Physician Electronic Health Record Adoption,' Health IT Quick-Stat #50. <https://dashboard.healthit.gov/quickstats/pages/physician-ehr-adoption-trends.php>. December 2016. Accessed 5/24/2017.

Rasmussen LV. The electronic health record for translational research. *J Cardiovasc Transl Res* 2014;7(6):607-614.

Smith DH, Perrin N, Feldstein A, Yang X, Kuang D, Simon SR, Sittig DF, Platt R, Soumerai SB. The impact of prescribing safety alerts for elderly persons in an electronic medical record: An interrupted time series evaluation. *Arch Intern Med* 2006;166(10):1098-1104.

van Staa TP, Klungel O, Smeeth L. Use of electronic healthcare records in large-scale simple randomized trials at the point of care for the documentation of value-based medicine. *J Intern Med* 2014;275(6):562-569.

Vogt TM, Aickin M, Ahmed F, Schmidt M. The prevention index: Using technology to improve quality assessment. *Health Serv Res* 2004;39(3):511-530.

Vollmer WM, Owen-Smith AA, Tom JO, Laws R, Ditmer DG, Smith DH, Waterbury AC, Schneider JL, Yonehara CH, Williams A, Vupputuri S, Rand CS. Improving adherence to cardiovascular disease medications with information technology. *Am J Manag Care* 2014;20(11 Spec No. 17):SP502-510.