CHMEGH23: Principles of Health Informatics



Adams, Trina, and others, 'Lessons from the Central Hampshire Electronic Health Record Pilot Project: Issues of Data Protection and Consent', BMJ, 328.7444 (2004), pp. 871–74, doi:10.1136/bmj.328.7444.871

Addenbrookes and the Rosie Hospitals (Quality Report), Care Quality Commission, 2015 http://www.cqc.org.uk/location/RGT01

Anderson, R., 'Do Summary Care Records Have the Potential to Do More Harm than Good? Yes', BMJ, 340.jun16 4 (2010), pp. c3020-c3020, doi:10.1136/bmj.c3020

Blumenthal, David, 'Implementation of the Federal Health Information Technology Initiative', New England Journal of Medicine, 365.25 (2011), pp. 2426–31, doi:10.1056/NEJMsr1112158

'BMA Policies BMA General Practitioners, 2006', 2006

Bramley, Michelle, 'A Framework for Evaluating Health Classifications', Health Information Management, 34.3 (2005), pp. 71–83 http://www.himaa.org.au/members/journal/34 3 2006/pdf/bramley.pdf>

Carpenter, I., and others, 'Medical Records and Record-Keeping Standards', Clinical Medicine, 7.4 (2007), pp. 328–31, doi:10.7861/clinmedicine.7-4-328

Choose and Book Directory of Services, n.d. http://www.chooseandbook.nhs.uk/staff/communications/fact/dos.pdf

Cimino, J. J., 'Desiderata for Controlled Medical Vocabularies in the Twenty-First Century', Methods of Information in Medicine, 37.4–5 (1998), pp. 394–403 https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3415631/

Coiera, Enrico, Guide to Health Informatics, Third edition (CRC Press, 2015)

Cornet, Ronald, 'Definitions and Qualifiers in SNOMED CT', Methods of Information in Medicine, 48.2 (2009), pp. 178–83

Cottrell, E., R. Chambers, and P. O'Connell, 'Using Simple Telehealth in Primary Care to Reduce Blood Pressure: A Service Evaluation', BMJ Open, 2.6 (2012), pp. e001391-e001391, doi:10.1136/bmjopen-2012-001391

——, K. McMillan, and R. Chambers, 'A Cross-Sectional Survey and Service Evaluation of Simple Telehealth in Primary Care: What Do Patients Think?', BMJ Open, 2.6 (2012), pp.

e001392-e001392, doi:10.1136/bmjopen-2012-001392

Cresswell, Kathrin M, Allison Worth, and Aziz Sheikh, 'Integration of a Nationally Procured Electronic Health Record System into User Work Practices', BMC Medical Informatics and Decision Making, 12.1 (2012), doi:10.1186/1472-6947-12-15

D'Agostino, R. B., and others, 'General Cardiovascular Risk Profile for Use in Primary Care: The Framingham Heart Study', Circulation, 117.6 (2008), pp. 743–53, doi:10.1161/CIRCULATIONAHA.107.699579

Delbanco, Tom, and others, 'Inviting Patients to Read Their Doctors' Notes: A Quasi-Experimental Study and a Look Ahead', Annals of Internal Medicine, 157.7 (2012), pp. 461–70, doi:10.7326/0003-4819-157-7-201210020-00002

Dixon, Brian E, and others, 'What's Past Is Prologue: A Scoping Review of Recent Public and Global Health Informatics Literature', Online Journal of Public Health Informatics, 7.2 (2015), doi:10.5210/ojphi.v7i2.5931

Dixon, Jennifer, and others, 'Assessment of the Reproducibility of Clinical Coding in Routinely Collected Hospital Activitydata: A Study in Two Hospitals', Journal of Public Health, 20.1 (1998), pp. 63–69 http://jpubhealth.oxfordjournals.org/content/20/1/63

Eichelbaum, Michel, Magnus Ingelman-Sundberg, and William E. Evans, 'Pharmacogenomics and Individualized Drug Therapy', Annual Review of Medicine, 57.1 (2006), pp. 119–37, doi:10.1146/annurev.med.56.082103.104724

El Emam, Khaled, and others, 'The Re-Identification Risk of Canadians from Longitudinal Demographics', BMC Medical Informatics and Decision Making, 11.1 (2011), doi:10.1186/1472-6947-11-46

Fellegi, Ivan P., and Alan B. Sunter, 'A Theory for Record Linkage', Journal of the American Statistical Association, 64.328 (1969), pp. 1183–210

Finney, John M, and others, 'An Efficient Record Linkage Scheme Using Graphical Analysis for Identifier Error Detection', BMC Medical Informatics and Decision Making, 11.1 (2011), doi:10.1186/1472-6947-11-7

Foley, Tom, and Fergus Fairmichael, The Potential of Learning Healthcare Systems, 2015 http://www.learninghealthcareproject.org/publication/1/112/the-potential-of-learning-healthcare-systems

Fox, John, and others, 'OpenClinical.Net: A Platform for Creating and Sharing Knowledge and Promoting Best Practice in Healthcare', Computers in Industry, 66 (2015), pp. 63–72, doi:10.1016/j.compind.2014.10.001

Freemantle, N., and others, 'Weekend Hospitalization and Additional Risk of Death: An Analysis of Inpatient Data', JRSM, 105.2 (2012), pp. 74–84, doi:10.1258/jrsm.2012.120009

Friedman, C., and others, 'Toward a Science of Learning Systems: A Research Agenda for the High-Functioning Learning Health System', Journal of the American Medical Informatics Association, published online 23 October 2014, doi:10.1136/amiajnl-2014-002977

Gallivan, S., and others, 'Booked Inpatient Admissions and Hospital Capacity: Mathematical Modelling Study', BMJ, 324.7332 (2002), pp. 280–82, doi:10.1136/bmj.324.7332.280

Green, Judith, Zoe McDowall, and Henry WW Potts, 'Does Choose & Book Fail to Deliver the Expected Choice to Patients? A Survey of Patients' Experience of Outpatient Appointment Booking', BMC Medical Informatics and Decision Making, 8.1 (2008), doi:10.1186/1472-6947-8-36

Greenhalgh, T., and others, 'Adoption and Non-Adoption of a Shared Electronic Summary Record in England: A Mixed-Method Case Study', BMJ, 340.jun16 4 (2010), pp. c3111-c3111, doi:10.1136/bmj.c3111

——, and others, 'Adoption, Non-Adoption, and Abandonment of a Personal Electronic Health Record: Case Study of HealthSpace', BMJ, 341.nov16 1 (2010), pp. c5814-c5814, doi:10.1136/bmj.c5814

——, and others, 'Patients' Attitudes to the Summary Care Record and HealthSpace: Qualitative Study', BMJ, 336.7656 (2008), pp. 1290–95, doi:10.1136/bmj.a114

——, and J. Keen, 'England's National Programme for IT', BMJ, 346.jun28 2 (2013), pp. f4130-f4130, doi:10.1136/bmj.f4130

GREENHALGH, TRISHA, and others, 'Diffusion of Innovations in Service Organizations: Systematic Review and Recommendations', The Milbank Quarterly, 82.4 (2004), pp. 581–629, doi:10.1111/j.0887-378X.2004.00325.x

GREENHALGH, TRISHA, and others, 'Tensions and Paradoxes in Electronic Patient Record Research: A Systematic Literature Review Using the Meta-Narrative Method.', The Milbank Quarterly, 87.4 (2009), pp. 729–88, doi:10.1111/j.1468-0009.2009.00578.x

Greenhalgh, Trisha, and others, The Devil's in the Detail: Final Report of the Independent Evaluation of the Summary Care Record and HealthSpace Programmes, University College London, 2010

Greenhalgh, Trisha, Rob Stones, and Deborah Swinglehurst, 'Choose and Book: A Sociological Analysis of "Resistance" to an Expert System', Social Science & Medicine, 104 (2014), pp. 210–19, doi:10.1016/j.socscimed.2013.12.014

IHTSDO, SNOMED Clinical Terms ® User Guide January 2010 International Release, 2010 Information for Health: An Information Strategy for the Modern NHS 1998-2005 - Executive Summary: Department of Health - Publications, n.d.

Knowles, R. L., and others, 'Ethics, Governance and Consent in the UK: Implications for Research into the Longer-Term Outcomes of Congenital Heart Defects', Archives of Disease in Childhood, 96.1 (2009), pp. 14–20, doi:10.1136/adc.2008.152975

Koo, Denise, Patrick O'Carroll, and Martin LaVenture, 'Public Health 101 for Informaticians', Journal of the American Medical Informatics Association: JAMIA, 8.6 (2001) https://www.ncbi.nlm.nih.gov/pmc/articles/PMC130068/

Koppel, R., and C. U. Lehmann, 'Implications of an Emerging EHR Monoculture for Hospitals

and Healthcare Systems', Journal of the American Medical Informatics Association, 22.2 (2014), pp. 465–71, doi:10.1136/amiajnl-2014-003023

Kripalani, Sunil, and others, 'Deficits in Communication and Information Transfer Between Hospital-Based and Primary Care PhysiciansImplications for Patient Safety and Continuity of Care', JAMA: The Journal of the American Medical Association, 297.8 (2007), doi:10.1001/jama.297.8.831

Li, L., and others, 'Identification of Type 2 Diabetes Subgroups through Topological Analysis of Patient Similarity', Science Translational Medicine, 7.311 (2015), pp. 311ra174-311ra174, doi:10.1126/scitranslmed.aaa9364

Li, Linxin, and Peter M Rothwell, 'Biases in Detection of Apparent "weekend Effect" on Outcome with Administrative Coding Data: Population Based Study of Stroke', BMJ, published online 16 May 2016, doi:10.1136/bmj.i2648

Lyons, Ronan A, and others, 'The SAIL Databank: Linking Multiple Health and Social Care Datasets', BMC Medical Informatics and Decision Making, 9.1 (2009), doi:10.1186/1472-6947-9-3

Mandl, Kenneth D., and Isaac S. Kohane, 'Escaping the EHR Trap — The Future of Health IT', New England Journal of Medicine, 366.24 (2012), pp. 2240-42, doi:10.1056/NEJMp1203102

McCartney, M., 'Care.Data Doesn't Care Enough about Consent', BMJ, 348.apr22 20 (2014), pp. q2831-q2831, doi:10.1136/bmj.q2831

McCowan, C, B Kidd, and T Fahey, 'Factors Associated with Mortality in Scottish Patients Receiving Methadone in Primary Care: Retrospective Cohort Study', BMJ, 338.jun16 4 (2009), pp. b2225-b2225, doi:10.1136/bmj.b2225

Michie, Susan, Maartje M van Stralen, and Robert West, 'The Behaviour Change Wheel: A New Method for Characterising and Designing Behaviour Change Interventions', Implementation Science, 6.1 (2011), doi:10.1186/1748-5908-6-42

Mol, Annemarie, The Logic of Care (Routledge, 2008), doi:10.4324/9780203927076

'National: Medical Records: Whose Right to Know?: What Can Patients Do?', The Guardian Newspaper, 1 November 2006 http://search.proguest.com/docview/246527595?accountid=14511

National Programme for IT: Costs and Benefits, (Department of Health, 2013) https://www.gov.uk/government/publications/final-benefits-statement-for-programmes-previously-managed-under-the-national-programme-for-it>

NHS e - Referral Service Vision and Key Messages, Health and Social Care Information Centre, n.d. http://systems.hscic.gov.uk/ers/ersvision.pdf

O'Dowd, A., 'New E-Records System Leads to 20% Drop in Emergency Department Performance at Addenbrooke's', BMJ, 349.dec08 3 (2014), pp. g7537–g7537, doi:10.1136/bmj.g7537

Polisena, J., and others, 'Home Telehealth for Diabetes Management: A Systematic Review and Meta-Analysis', Diabetes, Obesity and Metabolism, 11.10 (2009), pp. 913–30, doi:10.1111/j.1463-1326.2009.01057.x

Rapley, Tim, and others, 'Doctor-Patient Interaction in a Randomised Controlled Trial of Decision-Support Tools', Social Science & Medicine, 62.9 (2006), pp. 2267-78, doi:10.1016/j.socscimed.2005.10.011

Rector, A. L., S. Brandt, and T. Schneider, 'Getting the Foot out of the Pelvis: Modeling Problems Affecting Use of SNOMED CT Hierarchies in Practical Applications', Journal of the American Medical Informatics Association, 18.4 (2011), pp. 432–40, doi:10.1136/amiajnl-2010-000045

Rector, Alan L, 'Clinical Terminology: Why Is It so Hard?', Methods of Information in Medicine, 38.4/5 (1999), pp. 239–52

Sampalli, Tara, and others, 'An Evaluation of SNOMED CT® in the Domain of Complex Chronic Conditions', International Journal of Integrated Care, 10 (2010)

Sanders, Caroline, and others, 'Exploring Barriers to Participation and Adoption of Telehealth and Telecare within the Whole System Demonstrator Trial: A Qualitative Study', BMC Health Services Research, 12.1 (2012), doi:10.1186/1472-6963-12-220

Shapiro, Jason S., and others, 'Using Health Information Exchange to Improve Public Health', American Journal of Public Health, 101.4 (2011), pp. 616–23, doi:10.2105/AIPH.2008.158980

Sheather, J., and S. Brannan, 'Patient Confidentiality in a Time of Care.Data', BMJ, 347.nov27 1 (2013), pp. f7042–f7042, doi:10.1136/bmj.f7042

Sherlaw-Johnson, Chris, 'A Method for Detecting Runs of Good and Bad Clinical Outcomes on Variable Life-Adjusted Display (VLAD) Charts', Health Care Management Science, 8.1 (2005), pp. 61–65, doi:10.1007/s10729-005-5217-2

Singleton, Peter, and Michael Wadsworth, 'Consent for the Use of Personal Medical Data in Research', BMJ, 333.7561 (2006), pp. 255–58, doi:10.1136/bmj.333.7561.255

Staa, T.-P. v., and others, 'Pragmatic Randomised Trials Using Routine Electronic Health Records: Putting Them to the Test', BMJ, 344.feb07 1 (2012), pp. e55-e55, doi:10.1136/bmj.e55

Steventon, A., and others, 'Effect of Telehealth on Use of Secondary Care and Mortality: Findings from the Whole System Demonstrator Cluster Randomised Trial', BMJ, 344.jun21 3 (2012), pp. e3874–e3874, doi:10.1136/bmj.e3874

Tang, P. C, and others, 'Personal Health Records: Definitions, Benefits, and Strategies for Overcoming Barriers to Adoption', Journal of the American Medical Informatics Association, 13.2 (2006), pp. 121–26, doi:10.1197/jamia.M2025

Taylor, Paul, From Patient Data to Medical Knowledge: The Principles and Practice of Health Informatics (BMJ, 2006)

——, 'Rigging the Death Rate', The London Review of Books, 11 AD http://www.lrb.co.uk/v35/n07/paul-taylor/rigging-the-death-rate

Wachter, Robert, The Digital Doctor: Hope, Hype, and Harm at the Dawn of Medicine's Computer Age (McGraw-Hill, 2015)

https://go.oreilly.com/university-college-london/library/view/~/9780071849470/?ar>

——, Using Information Technology to Improve the NHS, Department of Health, 2016 https://www.gov.uk/government/publications/using-information-technology-to-improve-the-nhs

Walport, M., 'Do Summary Care Records Have the Potential to Do More Harm than Good? No', BMJ, 340.jun16 4 (2010), pp. c3022-c3022, doi:10.1136/bmj.c3022

Weissman, Joel S., and others, 'Comparing Patient-Reported Hospital Adverse Events with Medical Record Review: Do Patients Know Something That Hospitals Do Not?', Annals of Internal Medicine, 149.2 (2008), doi:10.7326/0003-4819-149-2-200807150-00006

Willard, H. F., M. Angrist, and G. S. Ginsburg, 'Genomic Medicine: Genetic Variation and Its Impact on the Future of Health Care', Philosophical Transactions of the Royal Society B: Biological Sciences, 360.1460 (2005), pp. 1543–50, doi:10.1098/rstb.2005.1683

Willison, D J, and others, 'Access to Medical Records for Research Purposes: Varying Perceptions across Research Ethics Boards', Journal of Medical Ethics, 34.4 (2008), pp. 308–14, doi:10.1136/jme.2006.020032

Winkler, William E., 'Overview of Record Linkage and Current Research Directions (Statistics #2006-2)', in RESEARCH REPORT SERIES, Statistical Research Division, U.S. Census Bureau, 2006

Wright, Adam, and others, 'Early Results of the Meaningful Use Program for Electronic Health Records', New England Journal of Medicine, 368.8 (2013), pp. 779–80, doi:10.1056/NEJMc1213481

Xu, H., and others, 'Facilitating Pharmacogenetic Studies Using Electronic Health Records and Natural-Language Processing: A Case Study of Warfarin', Journal of the American Medical Informatics Association, 18.4 (2011), pp. 387–91, doi:10.1136/amiajnl-2011-000208

Yom-Tov, Elad, and others, 'Detecting Disease Outbreaks in Mass Gatherings Using Internet Data', Journal of Medical Internet Research, 16.6 (2014), doi:10.2196/jmir.3156