# CHMEGH23: Principles of Health Informatics



# [1]

Adams, T. et al. 2004. Lessons from the central Hampshire electronic health record pilot project: issues of data protection and consent. BMJ. 328, 7444 (Apr. 2004), 871–874. DOI:https://doi.org/10.1136/bmj.328.7444.871.

#### [2]

Anderson, R. 2010. Do summary care records have the potential to do more harm than good? Yes. BMJ. 340, jun16 4 (Jun. 2010), c3020–c3020. DOI:https://doi.org/10.1136/bmj.c3020.

#### [3]

Blumenthal, D. 2011. Implementation of the Federal Health Information Technology Initiative. New England Journal of Medicine. 365, 25 (Dec. 2011), 2426–2431. DOI:https://doi.org/10.1056/NEJMsr1112158.

[4]

BMA Policies BMA General Practitioners, 2006: 2006.

#### [5]

Bramley, M. 2005. A framework for evaluating health classifications . Health Information Management. 34, 3 (2005), 71–83.

[6]

Carpenter, I. et al. 2007. Medical records and record-keeping standards. Clinical Medicine. 7, 4 (Aug. 2007), 328–331. DOI:https://doi.org/10.7861/clinmedicine.7-4-328.

# [7]

Cimino, J.J. 1998. Desiderata for controlled medical vocabularies in the twenty-first century. Methods of Information in Medicine. 37, 4–5 (1998), 394–403.

# [8]

Coiera, E. 2015. Guide to health informatics. CRC Press.

# [9]

Cornet, R. 2009. Definitions and Qualifiers in SNOMED CT. Methods of Information in Medicine. 48, 2 (2009), 178–183.

# [10]

Cottrell, E. et al. 2012. A cross-sectional survey and service evaluation of simple telehealth in primary care: what do patients think? BMJ Open. 2, 6 (Nov. 2012), e001392–e001392. DOI:https://doi.org/10.1136/bmjopen-2012-001392.

# [11]

Cottrell, E. et al. 2012. Using simple telehealth in primary care to reduce blood pressure: a service evaluation. BMJ Open. 2, 6 (Oct. 2012), e001391–e001391. DOI:https://doi.org/10.1136/bmjopen-2012-001391.

# [12]

Cresswell, K.M. et al. 2012. Integration of a nationally procured electronic health record system into user work practices. BMC Medical Informatics and Decision Making. 12, 1 (2012). DOI:https://doi.org/10.1186/1472-6947-12-15.

# [13]

D'Agostino, R.B. et al. 2008. General Cardiovascular Risk Profile for Use in Primary Care:

The Framingham Heart Study. Circulation. 117, 6 (Feb. 2008), 743–753. DOI:https://doi.org/10.1161/CIRCULATIONAHA.107.699579.

# [14]

Delbanco, T. et al. 2012. Inviting Patients to Read Their Doctors' Notes: A Quasi-experimental Study and a Look Ahead. Annals of Internal Medicine. 157, 7 (Oct. 2012), 461–470. DOI:https://doi.org/10.7326/0003-4819-157-7-201210020-00002.

# [15]

Dixon, B.E. et al. 2015. What's Past is Prologue: A Scoping Review of Recent Public and Global Health Informatics Literature. Online Journal of Public Health Informatics. 7, 2 (May 2015). DOI:https://doi.org/10.5210/ojphi.v7i2.5931.

# [16]

Dixon, J. et al. 1998. Assessment of the reproducibility of clinical coding in routinely collected hospital activitydata: a study in two hospitals. Journal of Public Health. 20, 1 (1998), 63–69.

# [17]

Eichelbaum, M. et al. 2006. Pharmacogenomics and Individualized Drug Therapy. Annual Review of Medicine. 57, 1 (Feb. 2006), 119–137. DOI:https://doi.org/10.1146/annurev.med.56.082103.104724.

#### [18]

El Emam, K. et al. 2011. The re-identification risk of Canadians from longitudinal demographics. BMC Medical Informatics and Decision Making. 11, 1 (2011). DOI:https://doi.org/10.1186/1472-6947-11-46.

# [19]

Fellegi, I.P. and Sunter, A.B. 1969. A Theory for Record Linkage. Journal of the American Statistical Association. 64, 328 (1969), 1183–1210.

#### [20]

Finney, J.M. et al. 2011. An efficient record linkage scheme using graphical analysis for identifier error detection. BMC Medical Informatics and Decision Making. 11, 1 (2011). DOI:https://doi.org/10.1186/1472-6947-11-7.

### [21]

Foley, T. and Fairmichael, F. 2015. The Potential of Learning Healthcare Systems.

#### [22]

Fox, J. et al. 2015. OpenClinical.net: A platform for creating and sharing knowledge and promoting best practice in healthcare. Computers in Industry. 66, (Jan. 2015), 63–72. DOI:https://doi.org/10.1016/j.compind.2014.10.001.

#### [23]

Freemantle, N. et al. 2012. Weekend hospitalization and additional risk of death: An analysis of inpatient data. JRSM. 105, 2 (Feb. 2012), 74–84. DOI:https://doi.org/10.1258/jrsm.2012.120009.

#### [24]

Friedman, C. et al. 2014. Toward a science of learning systems: a research agenda for the high-functioning Learning Health System. Journal of the American Medical Informatics Association. (Oct. 2014). DOI:https://doi.org/10.1136/amiajnl-2014-002977.

#### [25]

Gallivan, S. et al. 2002. Booked inpatient admissions and hospital capacity: mathematical modelling study. BMJ. 324, 7332 (Feb. 2002), 280–282. DOI:https://doi.org/10.1136/bmj.324.7332.280.

#### [26]

Green, J. et al. 2008. 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:https://doi.org/10.1186/1472-6947-8-36.

#### [27]

Greenhalgh, T. et al. 2010. Adoption and non-adoption of a shared electronic summary record in England: a mixed-method case study. BMJ. 340, jun16 4 (Jun. 2010), c3111-c3111. DOI:https://doi.org/10.1136/bmj.c3111.

#### [28]

Greenhalgh, T. et al. 2010. Adoption, non-adoption, and abandonment of a personal electronic health record: case study of HealthSpace. BMJ. 341, nov16 1 (Nov. 2010), c5814-c5814. DOI:https://doi.org/10.1136/bmj.c5814.

#### [29]

Greenhalgh, T. et al. 2014. Choose and Book: A sociological analysis of 'resistance' to an expert system. Social Science & Medicine. 104, (Mar. 2014), 210–219. DOI:https://doi.org/10.1016/j.socscimed.2013.12.014.

#### [30]

GREENHALGH, T. et al. 2004. Diffusion of Innovations in Service Organizations: Systematic Review and Recommendations. The Milbank Quarterly. 82, 4 (Dec. 2004), 581–629. DOI:https://doi.org/10.1111/j.0887-378X.2004.00325.x.

#### [31]

Greenhalgh, T. et al. 2008. Patients' attitudes to the summary care record and HealthSpace: qualitative study. BMJ. 336, 7656 (Jun. 2008), 1290–1295. DOI:https://doi.org/10.1136/bmj.a114.

#### [32]

GREENHALGH, T. et al. 2009. Tensions and paradoxes in electronic patient record research: a systematic literature review using the meta-narrative method. The Milbank Quarterly. 87, 4 (2009), 729–788. DOI:https://doi.org/10.1111/j.1468-0009.2009.00578.x.

Greenhalgh, T. et al. 2010. The Devil's in the Detail: Final report of the independent evaluation of the Summary Care Record and HealthSpace programmes. University College London.

# [34]

Greenhalgh, T. and Keen, J. 2013. England's national programme for IT. BMJ. 346, jun28 2 (Jun. 2013), f4130-f4130. DOI:https://doi.org/10.1136/bmj.f4130.

# [35]

IHTSDO 2010. SNOMED Clinical Terms ® User Guide January 2010 International Release.

#### [36]

Knowles, R.L. et al. 2009. 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 (Sep. 2009), 14–20. DOI:https://doi.org/10.1136/adc.2008.152975.

#### [37]

Koo, D. et al. 2001. Public Health 101 for Informaticians. Journal of the American Medical Informatics Association : JAMIA. 8, 6 (2001).

#### [38]

Koppel, R. and Lehmann, C.U. 2014. Implications of an emerging EHR monoculture for hospitals and healthcare systems. Journal of the American Medical Informatics Association. 22, 2 (Oct. 2014), 465–471. DOI:https://doi.org/10.1136/amiajnl-2014-003023.

#### [39]

Kripalani, S. et al. 2007. 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 (Feb. 2007). DOI:https://doi.org/10.1001/jama.297.8.831.

#### [40]

Li, L. et al. 2015. Identification of type 2 diabetes subgroups through topological analysis of patient similarity. Science Translational Medicine. 7, 311 (Oct. 2015), 311ra174-311ra174. DOI:https://doi.org/10.1126/scitranslmed.aaa9364.

#### [41]

Li, L. and Rothwell, P.M. 2016. Biases in detection of apparent "weekend effect" on outcome with administrative coding data: population based study of stroke. BMJ. (May 2016). DOI:https://doi.org/10.1136/bmj.i2648.

#### [42]

Lyons, R.A. et al. 2009. The SAIL databank: linking multiple health and social care datasets. BMC Medical Informatics and Decision Making. 9, 1 (2009). DOI:https://doi.org/10.1186/1472-6947-9-3.

#### [43]

Mandl, K.D. and Kohane, I.S. 2012. Escaping the EHR Trap — The Future of Health IT. New England Journal of Medicine. 366, 24 (Jun. 2012), 2240–2242. DOI:https://doi.org/10.1056/NEJMp1203102.

#### [44]

McCartney, M. 2014. Care.data doesn't care enough about consent. BMJ. 348, apr22 20 (Apr. 2014), g2831-g2831. DOI:https://doi.org/10.1136/bmj.g2831.

#### [45]

McCowan, C. et al. 2009. Factors associated with mortality in Scottish patients receiving methadone in primary care: retrospective cohort study. BMJ. 338, jun16 4 (Jun. 2009), b2225-b2225. DOI:https://doi.org/10.1136/bmj.b2225.

#### [46]

Michie, S. et al. 2011. The behaviour change wheel: A new method for characterising and designing behaviour change interventions. Implementation Science. 6, 1 (Dec. 2011). DOI:https://doi.org/10.1186/1748-5908-6-42.

#### [47]

Mol, A. 2008. The Logic of Care. Routledge.

#### [48]

O'Dowd, A. 2014. New e-records system leads to 20% drop in emergency department performance at Addenbrooke's. BMJ. 349, dec08 3 (Dec. 2014), g7537–g7537. DOI:https://doi.org/10.1136/bmj.g7537.

#### [49]

Polisena, J. et al. 2009. Home telehealth for diabetes management: a systematic review and meta-analysis. Diabetes, Obesity and Metabolism. 11, 10 (Oct. 2009), 913–930. DOI:https://doi.org/10.1111/j.1463-1326.2009.01057.x.

#### [50]

Rapley, T. et al. 2006. Doctor-patient interaction in a randomised controlled trial of decision-support tools. Social Science & Medicine. 62, 9 (May 2006), 2267–2278. DOI:https://doi.org/10.1016/j.socscimed.2005.10.011.

#### [51]

Rector, A.L. 1999. Clinical Terminology: Why Is it so Hard? Methods of Information in Medicine. 38, 4/5 (1999), 239–252.

#### [52]

Rector, A.L. et al. 2011. 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 (Apr. 2011), 432–440. DOI:https://doi.org/10.1136/amiajnl-2010-000045.

#### [53]

Sampalli, T. et al. 2010. An evaluation of SNOMED CT® in the domain of complex chronic conditions. International Journal of Integrated Care. 10, (2010).

#### [54]

Sanders, C. et al. 2012. 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:https://doi.org/10.1186/1472-6963-12-220.

#### [55]

Shapiro, J.S. et al. 2011. Using Health Information Exchange to Improve Public Health. American Journal of Public Health. 101, 4 (Apr. 2011), 616–623. DOI:https://doi.org/10.2105/AJPH.2008.158980.

#### [56]

Sheather, J. and Brannan, S. 2013. Patient confidentiality in a time of care.data. BMJ. 347, nov27 1 (Nov. 2013), f7042-f7042. DOI:https://doi.org/10.1136/bmj.f7042.

#### [57]

Sherlaw-Johnson, C. 2005. A Method for Detecting Runs of Good and Bad Clinical Outcomes on Variable Life-Adjusted Display (VLAD) Charts. Health Care Management Science. 8, 1 (Feb. 2005), 61–65. DOI:https://doi.org/10.1007/s10729-005-5217-2.

#### [58]

Singleton, P. and Wadsworth, M. 2006. Consent for the use of personal medical data in research. BMJ. 333, 7561 (Jul. 2006), 255–258. DOI:https://doi.org/10.1136/bmj.333.7561.255.

#### [59]

Staa, T.-P. v. et al. 2012. Pragmatic randomised trials using routine electronic health records: putting them to the test. BMJ. 344, feb07 1 (Mar. 2012), e55–e55. DOI:https://doi.org/10.1136/bmj.e55.

#### [60]

Steventon, A. et al. 2012. Effect of telehealth on use of secondary care and mortality:

findings from the Whole System Demonstrator cluster randomised trial. BMJ. 344, jun21 3 (Jun. 2012), e3874–e3874. DOI:https://doi.org/10.1136/bmj.e3874.

# [61]

Tang, P.C. et al. 2006. Personal Health Records: Definitions, Benefits, and Strategies for Overcoming Barriers to Adoption. Journal of the American Medical Informatics Association. 13, 2 (Mar. 2006), 121–126. DOI:https://doi.org/10.1197/jamia.M2025.

# [62]

Taylor, P. 2006. From patient data to medical knowledge: the principles and practice of health informatics. BMJ.

# [63]

Taylor, P. 11AD. Rigging the Death Rate. The London Review of Books. (11AD).

# [64]

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

#### [65]

Wachter, R. 2016. Using information technology to improve the NHS. Department of Health.

#### [66]

Walport, M. 2010. Do summary care records have the potential to do more harm than good? No. BMJ. 340, jun16 4 (Jun. 2010), c3022–c3022. DOI:https://doi.org/10.1136/bmj.c3022.

# [67]

Weissman, J.S. et al. 2008. Comparing Patient-Reported Hospital Adverse Events with Medical Record Review: Do Patients Know Something That Hospitals Do Not? Annals of

Internal Medicine. 149, 2 (Jul. 2008). DOI:https://doi.org/10.7326/0003-4819-149-2-200807150-00006.

# [68]

Willard, H.F. et al. 2005. Genomic medicine: genetic variation and its impact on the future of health care. Philosophical Transactions of the Royal Society B: Biological Sciences. 360, 1460 (Aug. 2005), 1543–1550. DOI:https://doi.org/10.1098/rstb.2005.1683.

# [69]

Willison, D.J. et al. 2008. Access to medical records for research purposes: varying perceptions across research ethics boards. Journal of Medical Ethics. 34, 4 (Apr. 2008), 308–314. DOI:https://doi.org/10.1136/jme.2006.020032.

# [70]

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

#### [71]

Wright, A. et al. 2013. Early Results of the Meaningful Use Program for Electronic Health Records. New England Journal of Medicine. 368, 8 (Feb. 2013), 779–780. DOI:https://doi.org/10.1056/NEJMc1213481.

# [72]

Xu, H. et al. 2011. 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 (Jun. 2011), 387–391. DOI:https://doi.org/10.1136/amiajnl-2011-000208.

# [73]

Yom-Tov, E. et al. 2014. Detecting Disease Outbreaks in Mass Gatherings Using Internet Data. Journal of Medical Internet Research. 16, 6 (Jun. 2014). DOI:https://doi.org/10.2196/jmir.3156.

#### [74]

2015. Addenbrookes and the Rosie Hospitals (Quality Report). Care Quality Commission.

[75]

Choose and Book Directory of Services.

[76]

Information for health: an information strategy for the modern NHS 1998-2005 - executive summary : Department of Health - Publications.

[77]

2006. National: Medical records: Whose right to know?: What can patients do? The Guardian Newspaper. (Nov. 2006).

[78]

2013. National Programme for IT: costs and benefits. Department of Health.

[79]

NHS e - Referral Service Vision and Key messages. Health and Social Care Information Centre.