

Recommended Reading Lists for Telemedicine courses:

(Updated reading list for each course will be provided by the lecturer when the course begins.)

TLM-3010 (10 stp)

(NB: This is a provisional list. Additional material will be distributed during lectures.)

Book:

Norris AC. Essentials of Telemedicine and Telecare. Chichester: John Wiley & Sons, 2002.

Articles:

Introduction:

Eysenbach G. What is e-health? J Med Internet Res 2001; 2: e20.

Oh H, Rizo C, Enkin M, Jadad A. What is eHealth (3): a systematic review of published definitions. J Med Internet Res 2005; 7(1): e1.

Obstfelder A, Engeseth K, Wynn R. Characteristics of successfully implemented telemedical applications. Implement Sci 2007; 2: 25.

Broens TH, Huis In't Veld RM, Vollenbroek-Hutten MM, Hermens HJ, van Halteren AT, Nieuwenhuis LJ. Determinants of successful telemedicine implementations: a literature study. J Telemed Telecare. 2007;13: 303-9.

Norum J, Pedersen S, Størmer J, Rumpsfeld M, Stormo A, Jamissen N, Sunde H, Ingebrigtsen T, Larsen ML. Prioritisation of telemedicine services for large scale implementation in Norway. J Telemed Telecare 2007;13:185-92.

Lehoux P, Sicotte C, Denis JL, Berg M, Lacroix A. The theory of use behind telemedicine. Soc Sci Med 2002; 54:889-904.

LaMonte M, Bahouth MN, Hu P et al. Telemedicine for acute stroke. Stroke 2003; 34: 725-8.

Moses PL, McGowan JJ, Ricci MA. Efficacy of tele-endoscopy in a rural capitated market. Proc AMIA Annu Fall Symp 1997; 398-402.

Kavanagh S, Hawker F. The fall and rise of the South African telepsychiatry network. J Telemed Telecare 2001; 7 (Suppl 2): 41-3.

Gulube S, Wynchank S. Telemedicine in South Africa. J Telemed Telecare 2001; 7 (Suppl 2):47-9.

Telepsychiatry:

Hanssen B, Wangberg SC, Gammon D. Use of videoconferencing in Norwegian psychiatry. J Telemed Telecare 2007; 13: 130-5.

Norman S. The use of telemedicine in psychiatry. *J Psychiatr Ment Health Nurs* 2006; 13: 771-7.

Johnsen JA, Rosenvinge JH, Gammon D. Online group interaction and mental health: an analysis of three online discussion forums. *Scand J Psychol* 2002; 43: 445-9.

Hsiung RC. A Suicide in an Online Mental Health Support Group: Reactions of the Group Members, Administrative Responses, and Recommendations. *CyberPsychol Behavior* 2007; 10: 495-500.

Hsiung RC. Suggested principles of professional ethics for the online provision of mental health services. *Telemed J E Health* 2001;7:39-45.

Løhr H, Wynn R, Rosenvinge JH. E-therapy as an adjunct to face-to-face therapy in the treatment of patients suffering from chronic psychiatric disorders. *The Journal on Information Technology in Healthcare* 2007; 5: 67-79.

O'Reilly R, Bishop J, Maddox K, Hutchinson L, Fisman M, Takhar J. Is telepsychiatry equivalent to face-to-face psychiatry? Results from a randomized controlled equivalence trial. *Psychiatr Serv* 2007; 58: 836-43.

Electronic Health Records, etc:

Wyatt JC, Sullivan F. eHealth and the future: promise or peril? *BMJ* 2005; 331: 1391-3.

Andreassen HK, Trondsen M, Kummervold PE, Gammon D, Hjortdahl P. Patients who use e-mediated communication with their doctor: new constructions of trust in the patient-doctor relationship. *Qual Health Res* 2006; 16: 238-48.

Zhou YY, Garrido T, Chin HL, Wiesenthal AM, Liang LL. Patient access to an electronic health record with secure messaging: impact on primary care utilization. *Am J Manag Care* 2007;13: 418-24.

Richards H, King G, Reid M, Selvaraj S, McNicol I, Brebner E, Godden D. Remote working: survey of attitudes to eHealth of doctors and nurses in rural general practices in the United Kingdom. *Fam Pract* 2005;22: 2-7.

Stanberry B. Legal and ethical aspects of telemedicine. *J Telemed Telecare* 2006; 12: 166-75.

Walsh SH. The clinician's perspective on electronic health records and how they can affect patient care. *BMJ* 2004; 328: 1184-7.

Laerum H, Ellingsen G, Faxvaag A. Doctors' use of electronic medical records systems in hospitals: cross sectional survey. *BMJ* 2001; 323:1344-8.

Rynning E. Public trust and privacy in shared electronic health records. *Eur J Health Law* 2007;14:105-12.

Pagliari C, Detmer D, Singleton P. Potential of electronic personal health records. *BMJ* 2007;335:330-3.

TLM-3040 (10 stp)

1) The affordance of paper

Nygren, E. and Henriksson, P. (1992): Reading the medical record. I. Analysis of physicians' ways of reading the medical record, *Computer Methods and Programs in Biomedicine*, 39 (1992) 1-12

Dahl, Y., Svanæs, D. and Nytrø, Ø. (2007): Designing Pervasive Computing for Hospitals: Learning from the Media Affordances of Paper-Based Medication Charts

Gladwell, M. (2002): The social life of paper. Looking for method in the mess. The New Yorker.

Sellen and Harper (1997): Paper as an analytic resource for the design of new technologies.

2) Use of information systems

Berg, M. (1999): Patient care information systems and health care work: a sociotechnical approach *International Journal of Medical Informatics* 55, 87–101.

Berg, M. and Goorman, E. (1999): The contextual nature of medical information, *International Journal of Medical Informatics*, vol. 56, pp. 51-60.

Gasser, L. (1986): The integration of computing and routine work. *ACM Trans. on Office Information Systems*, vol. 4, no. 3, pp. 205-225.

3) Involving users

Bevan, N. (2003): UsabilityNet Methods for User Centred Design, Human-Computer Interaction: Theory and Practice (Part 1), Volume 1 of the Proceedings of HCI International 2003, 434-438. Lawrence Erlbaum

Hirschheim (1989): "User Participation in Practice: Experiences with Participative Systems Design", in *Participation in Systems Design*, K. Knight, (ed.), Kogan Page Publishers, London, May, pp.194-204.

Bansler, J. (1989): Systems development research in Scandinavia: three theoretical schools, *Scandinavian Journal of Information Systems*, Vol. 1, Nr. 9, pp: 3 – 20.

Johannesen, L.K. and Ellingsen, G. (2008): Lightweight methods in heavyweight organisations, In proceedings of the Participatory Design Conference, Bloomington, Indiana, USA

4) Problematic issues on collaboration

Rune Pedersen et al. (2010): Standardized Nursing Work: Works in Practice but not in Theory?

Garcia, A.C. and David G.C. (2010): Understanding the work of medical transcriptionists in the production of medical records. *Health Informatics Journal*.

Ellingsen, G. and Munkvold, G. (2007): Infrastructural arrangement for integrated care – implementing an electronic nursing plan in a psychogeriatric ward, *International Journal of Integrated Care*, Vol, 7, 16 May 2007, pp. 1-11.

Vikkelsø, Signe (2005): Subtle Redistribution of Work, Attention and Risks: Electronic Patient Records and Organisational Consequences, *Scandinavian Journal of Information Systems*, 2005, 17(1):3–30

5) The politics of IT implementation

Grudin, J. (1989): Why groupware applications fail: Problems in design and evaluation. *Office: Technology and People*, 4(3): 245-264

Wagner, I. (1993): A web of fuzzy problems: confronting the ethical issues. *Communications of the ACM*, vol 36, no. 4

Orlikowski, W.J. (1992): Learning from Notes: organizational issues in groupware implementation. In *CSCW '92*, pp. 362-369.

Hammer, M. (1990): Reengineering Work: Don't Automate, Obliterate, *Harvard Business Review*.

6) Integration

Ellingsen, G. and Monteiro, E. (2005): The slight surprise of integration. In Sørensen, C., Yoo, Y., Lyytinen, K. and DeGross, J.I. (eds.): *IFIP WG 8.2, Designing Ubiquitous Information Environments: Socio-Technical Issues and Challenges*. Springer, pp. 261-274.

Perrow, C. (1984): Complexity, coupling and catastrophe, Chapter. 3 Normal accidents, Princeton Univ. Press, 1984, pp. 62-100

Hasselbring, W (2000): Information system integration. *Communications of the ACM*, vol. 43, no. 6, pp. 32-38.

Grimson, J.,W. Grimson and W. Hasselbring (2000): The SI Challenge in Health Care. *Communications of the ACM*, vol. 43, pp. 48–55.

7) Information Infrastructure

Hanseth and Monteiro (1998): Understanding Information Infrastructure

Bowker, G. and Star, S.L. (1999): Introduction and chapter 1 in *Sorting things out: 1* (pp. 1-51)

Zittrain, Jonathan (2008): *The future of the internet: and how to stop it*. Penguin books (pp. 63-100)

Star, S.L. and Ruhleder, K. (1995): Steps toward an Ecology of Infrastructure: Design and Access for Large Information Spaces, *Information Systems Research*

Ellingsen, G. and Monteiro, E. (2008): The organizing vision of integrated health information systems, *Health Informatics Journal*

8) Standards and classifications

Johansen, M.A., Scholl, J., Hasvold, P. Ellingsen, G. and Bellika, J.G. (2008) "Garbage In, Garbage Out" - extracting disease surveillance data from EPR systems in primary care. In *Proceedings of the ACM 2008 conference on CSCW*, pp. 525-534, San Diego, CA, USA

Ellingsen, Monteiro and Munkvold: *Information Society*.

Rector, A. (1999): Clinical Terminology: Why is it so hard? *Methods of Information in Medicine* 38(4):239-252

Bowker, G. and Star, S.L. (1999): Classification, Coding, and Coordination, Chapter 4 in *Sorting things out: 1* (pp. 135-161)

Bowker, G., S. Timmermans and S. L. Star. 1995. Infrastructure and organizational transformation: classifying nurses' work. In W. Orlikowski, G. Walsham, M.R. Jones, and J.I. DeGross. eds, *Information technology and changes in organizational work*. pp 344 – 370. Chapman & Hall.

9) Heterogeneous networks

Monteiro, E., 2000. Actor-Network Theory and Information Infrastructure. In: Ciborra, C.U., Associates (Eds.), *From Control to Drift: The Dynamics of Corporate Information Infrastructures*, Oxford University Press, Oxford, 71-83.

Latour, B. (1991): Technology is society made durable. In John Law (Ed.) *A Sociology of Monsters: Essays on Power, Technology, and Domination* (London: Routledge) pp. 103-131.

- Walsham, G. (1997) Actor-network theory and IS research: current status and future prospects, In Proc. IFIP WG 8.2 , Philadelphia, USA, pp. 467-480
- Callon, Michel (1986): Some elements of a sociology of translation: domestication of the scallops and the fishermen of St Brieuc Bay
- Aanestad, M. and Hanseth O. (2000): Implementing Open Network Technologies in Complex Work Practices: A case from telemedicine. In: Baskerville, Stage, and DeGross (eds.): Organizational and Social Perspectives on Information Technologies, Kluwer Academic Publishers, Dordrecht, the Netherlands, 2000, pp. 355-369.

10) Methods

- Klein, H. and Myers, M (1999): A set of principles for conducting and evaluating interpretive field studies in information systems. *MIS Quarterly*, vol. 23, no. 1, pp. 67-94.
- Randal, Harper, Rouncefield (2008): Fieldwork for design. Chapter 6
- Tjora, A. (2006): Writing small discoveries: an exploration of fresh observers' observations, *Qualitative Research*, Vol. 6(4), pp. 429–451
- Galliers, R.D. and Land, F.F. (1987): Choosing Appropriate Information Systems Research Methodologies, *Communications of the ACM*, pp. 900-902

11) Telemedicine

- Aanestad, M. and Hanseth O. (2000): Implementing Open Network Technologies in Complex Work Practices: A case from telemedicine. In: Baskerville, Stage, and DeGross (eds.): Organizational and Social Perspectives on Information Technologies, Kluwer Academic Publishers, Dordrecht, the Netherlands, 2000, pp. 355-369.
- Nicolini, D. (2006): The work to make telemedicine work: A social and articulative view, *Social Science & Medicine* 62, pp. 2754–2767
- May, C. and Ellis, N. (2001): When protocols fail: technical evaluation, biomedical knowledge, and the social production of 'facts' about a telemedicine clinic, *Social Science & Medicine*, Vol. 53, pp. 989–1002
- Timmermans, S. & Berg, M. (1997). Standardization in action: achieving local universality through medical protocols. *Social studies of science*, 27, 273-305

12) IS in developing countries

- Braa, Monteiro and Sahay (2004): Networks of action, Sustainable Health Information systems across developing countries
- Chilundo, B. and Aanestad, M. (2004): Negotiating multiple rationalities in the process of integrating the information systems of disease-specific health programmes, *The Electronic Journal of Information Systems in Developing Countries*, Vol. 20, Nr. 2, pp. 1-28
- Braa, J., Hanseth, O., Heywood, A., Mohammed, W. and Shaw, V. (2007): Developing Health Information Systems in Developing Countries: The Flexible Standards Strategy, *MIS Quarterly* Vol. 31 Special Issue/August 2007 (group 2)
- Pradhan, J. (2002): Information technology in Nepal: What Role for the Government? *The Electronic Journal of Information Systems in Developing Countries*, Vol. 8, Nr. 3, pp. 1-11 (group 3)

Books

- Bowker and Star: *Sorting things out*
- Sellen, A. and Harper RHR (2002): *The myth of the paperless office*. MIT press

TLM-3060 (10 stp)

(NB: This is a provisional list. Additional material will be distributed during lectures.)

Andreassen H, Sandaune AG, Gammon D, Hjortdahl P. Nordmenns bruk av helsetilbud på internett [Norwegian use of Internet health services] Tidsskr Nor Laegeforen. 2002;122(17):1640-4. Norwegian (English abstract). Available at: http://www.ncbi.nlm.nih.gov/pubmed/12555603?ordinalpos=6&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum.

Andreassen H, Sandaune AG, Gammon D, Hjortdahl P. Helsereelatert bruk av Internett i den norske befolkningen [Health-related use of the Internet in the Norwegian population] Tidsskr Nor Laegeforen. 2006;126:2950-2. Norwegian (English abstract). Available at: http://www.tidsskriftet.no/pls/lts/pa_lt.visSummary?vp_SEKS_ID=1453351

Andreassen HK, Bujnowska-Fedak MM, Chronaki CE, Dumitru RC, Pudule I, Santana S, Voss H, Wynn R. European citizens' use of E-health services: a study of seven countries. BMC Public Health 2007;7:53. Available at: <http://www.biomedcentral.com/1471-2458/7/53>

Baker L, Wagner TH, Singer S, Bundorf MK. Use of the Internet and e-mail for health care information: results from a national survey. JAMA. 2003 May 14;289(18):2400-6. Available at: <http://jama.ama-assn.org/cgi/content/full/289/18/2400>

Fox S. E-patients with a disability or chronic disease. Pew Internet and American Life Project, 2007. Available at: <http://www.pewinternet.org/Reports/2007/Epatients-With-a-Disability-or-Chronic-Disease.aspx>

Fox S. Online Health Search 2006. Pew Internet and American Life Project, 2006. Available at: <http://www.pewinternet.org/Reports/2006/Online-Health-Search-2006.aspx>

Fox S. Health Information Online. Pew Internet and American Life Project, 2005. Available at: <http://www.pewinternet.org/Reports/2005/Health-Information-Online.aspx>

Fox S. Prescription drugs online. Pew Internet and American Life Project, 2004. Available at <http://www.pewinternet.org/Reports/2004/Prescription-Drugs-Online.aspx>

University College London Hospitals. Guidelines for completing a research protocol. 2006. Available at: http://www.ucl.ac.uk/joint-rd-unit/statistics/obs_protocol_guidelines.pdf

WHO. Recommended format for a research protocol. 2008. Available at: http://www.who.int/rpc/research_ethics/format_rp/en/print.html.

Iarossi G. The power of survey design: A user's guide for managing surveys, interpreting results, and influencing respondents. The World Bank, Washington DC, 2005. Available as e-book through University Library of Tromsø.

Forkner-Dunn J. Internet-based patient self-care: The next generation of health care delivery. Journal of Medical Internet Research 2003;5(2):e8. Available at: <http://www.jmir.org/2003/2/e8>

Bergmo TS, Kummervold PE, Gammon D, Dahl LB. Electronic patient-provider communication: will it offset office visits and telephone consultations in primary care? *Int J Med Inform* 2005; 74:705-10.

Available at: http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6T7S-4GV98B6-

[1& user=596705& coverDate=09%2F30%2F2005& rdoc=1& fmt=high& orig=search& origin=search& sort=d& docanchor=&view=c& acct=C000030698& version=1& urlVersion=0& userid=596705&md5=a1ea514ac4fee6cc7c05dc0847a1e303&searchtype=a](http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6T7S-4GV98B6-1&user=596705&coverDate=09%2F30%2F2005&rdoc=1&fmt=high&orig=search&origin=search&sort=d&docanchor=&view=c&acct=C000030698&version=1&urlVersion=0&userid=596705&md5=a1ea514ac4fee6cc7c05dc0847a1e303&searchtype=a)

Eysenbach G, Powell J, Englesakis M, Rizo C, Stern A. Health related virtual communities and electronic support groups: systematic review of the effects of online peer to peer interactions. *BMJ* 2004;328:1166. Available from:

<http://www.bmj.com/cgi/content/full/328/7449/1166>

Griffiths KM, Christensen H. Website quality indicators for consumers. *Journal of Medical Internet Research* 2005;7(5):e55. Available at: <http://www.jmir.org/2005/5/e55>

Commission of the European Communities. eEurope2002: Quality criteria for health related websites. 2002. Available at:

http://ec.europa.eu/information_society/europe/ehealth/doc/communication_acte_en_fin.pdf

Marks IM, Cavanagh K, Gega L. Computer-aided psychotherapy: revolution or bubble? *Br J Psychiatry* 2007;191:471-3.

Clarke G, Eubanks D, Reid E, Kelleher C, O'Connor E, DeBar LL, Lynch F, Nunley S; Gullion C. Overcoming depression on the internet (ODIN) (2): A randomized trial of a self-help depression skills program with reminders. *Journal of Medical Internet Research* 2005;2:e16. Available at: <http://www.jmir.org/2005/2/e16>

Murray E, Burns J, See Tai S, Lai R, Nazareth I. Interactive Health Communication Applications for people with chronic disease. *Cochrane Database of Systematic Reviews* 2004, Issue 4. Summary available from: <http://www.cochrane.org/reviews/en/ab004274.html>

Christensen H, Griffiths KM, Jorm AF. Delivering interventions for depression by using the internet: randomised controlled trial. *BMJ* 2004;328:265-269. Available at:

<http://www.pubmedcentral.nih.gov/articlerender.fcgi?tool=pubmed&pubmedid=14742346>

Haythornthwaite C, Nielsen AL. Revisiting computer-mediated communication for work, community and learning. In Gackenbach J (ed.) *Psychology and the internet*. London: Academic Press, 2007. 167-186.

King SA, Moreggi D. Internet self-help and support groups: The pros and cons of text-based mutual aid. In Gackenbach J (ed.) *Psychology and the internet*. London: Academic Press, 2007. 221-244.

Gillispie JF. Cyber Shrinks: Expanding the paradigm. In Gackenbach J (ed.) *Psychology and the internet*. London: Academic Press, 2007. 245-276.

Harris M, Taylor G. *Medical statistics made easy*. London: Martin Dunitz, 2004.

TLM-3070 (5 stp)

- Aviva Petrie & Caroline Sabin: Medical Statistics at a Glance, 3rd edition. John Wiley & Sons, 2009. ISBN: 978-1405180511

- B. Burt Gerstman: Epidemiology Kept Simple, 2nd edition, John Wiley & Sons, 2003, ISBN 978-0471400288

- Wayne W. Daniel: Biostatistics, 9th edition, John Wiley & Sons, 2009, ISBN 978-0-470-47994-0 (optional)

- Yosef Cohen & Jeremiah Y. Cohen: Statistics and Data with R. An Applied Approach Through Examples. John Wiley & Sons, 2008, ISBN: 978-0-470-75805

TLM-3080 (5 stp)

Books:

Colin Robson (2002) Real world research.

Randal, Harper, Rouncefield (2008): Fieldwork for design. Chapter 6

Articles:

Atkinson, P. (1995): Work Among Haematologists, in Medical Talk and Medical Work, pp. 1-20.

Forsythe, D.E. (1999): "It's Just a Matter of Common Sense": Ethnography as Invisible Work. Journal of CSCW, vol. 8, pp. 127-145

Klein, H. and Myers, M (1999): A set of principles for conducting and evaluating interpretive field studies in information systems. MIS Quarterly, vol. 23, no. 1, pp. 67-94

Walsham, Geoff (1995): Interpretive case studies in IS research: nature and method, European Journal of Information Systems, 4, pp. 74-81.

Flyvbjerg, B. (2006): Five Misunderstandings about case-study research, Qualitative Inquiry.

Stoop, A.P.; Berg, M. (2003): Integrating Quantitative and Qualitative Methods in Patient Care Information System Evaluation: Guidance for the Organizational Decision Maker, Methods of Information in Medicine, 42, pp. 458-62

Popay, J and Williams, G. (1998): Qualitative research and evidence-based healthcare, Journal of the Royal society of medicine, Supplement No. 3 5 Vol. 91.

Dourish, P. 2006. Implications for design. Proc.ACM Conf.HumanFactors in Computing. Systems CHI 2006, Montreal, Canada, 541-550.

Golden-Biddle, K. and Locke (1993): Appealing work: an investigation of how ethnographic texts convince. Organization science, vol. 4, no. 4. 595-616