

**ROSS KOPPEL, Ph.D., FACMI**  
**At the University of Pennsylvania:**

Professor of Biomedical Informatics, Perelman School of Medicine, Univ. of Pennsylvania  
Adjunct Professor (full), Sociology Department  
Senior Fellow, Leonard Davis Institute for Health Economics, The Wharton School  
Senior Fellow, Center for Public Health Initiatives, Perelman School of Medicine.  
Affiliate Professor of Medicine, Center for Clinical Epidemiology and Biostatistics  
Member, Univ. of Penn's University Advisory Committee (Teacher's Improvement Program)

**At the University at Buffalo** Professor (Full), Jacob School of Medicine, Department of Biomedical Informatics, Buffalo, NY

**Also:** President, **Social Research Corporation**, Wyncote, PA

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**EDUCATION**

January 1969	B.A. Temple University, Sociology
May 1971	M.A. Temple University, Sociology
January 1981	Ph.D. Temple University, Sociology
1998	C.C.S. Certified Clinical Sociologist and Certified Practicing Sociologist (Sociological Practice Association)

**RECENT AND CURRENT PROFESSIONAL APPOINTMENTS; DATES**

1991-present Adjunct Professor (full), Department of Sociology, University of Pennsylvania, Philadelphia, PA

2017-present Professor (full) Jacobs School of Medicine, University at Buffalo (SUNY)

2002-present Affiliate Professor of Medicine, Center for Clinical Epidemiology and Biostatistics, University of Pennsylvania, Philadelphia, PA

2008-2018 Principal Investigator, Department of Computer Engineering, School of Engineering & Applied Science, University of Pennsylvania, Philadelphia, PA

2015-2019 Senior Investigator: NSF-Intel Study of Cybersecurity Vulnerabilities of the Internet of Things. University of Pennsylvania, School of Engineering & Applied Science, Philadelphia, PA

1985-present President, Social Research Corporation, Wyncote, PA

2014-present Senior Fellow, Leonard Davis Institute for Health Economics, The Wharton School, University of Pennsylvania, Philadelphia, PA

2016-present Senior Fellow, Center for Public Health Initiatives, Perelman School of Medicine. University of Pennsylvania, Philadelphia, PA

## PREVIOUS APPOINTMENTS

- 2009-2014 Evaluator, Harvard Medical School's SHARP 3 project to develop a new HIT computer architecture, Cambridge, MA
- 2007-2010 Monitor (Federal Appointment): Oversight of Boston-area transit (MBTA) system's efforts for persons with disability.
- 2010-2011 Monitor (Federal Appointment): Oversight of Detroit transit system's efforts for persons with disability.
- 2009-2012 Evaluator, Housing relocation assistance in Allentown, PA, Allentown Housing Authority, HOPE 6 project
- 2003 Appointed, Faculty advisor to develop course on preparing undergraduates for statistics, University of Pennsylvania, Philadelphia, PA
- 1983-1985 Director of Social and Demographic Research. PNR & Associates, Incorporated: Economic, Management, Statistical Consulting. Roslyn, PA
- 1981-1983 Director of Research, Evaluation, and Policy Analysis, Employment and Training Administration Intake System, Center for Social Policy and Community Development, Philadelphia, PA
- 1979-1983 Sociology Consultant. Work included: report on job openings for youths (Pennsylvania Government); survey research on museum utilization (Academy of Natural Sciences); energy use surveys (PA governor's office). (part-time)
- 1976-1979 Survey Research Director. Philadelphia Occupational Choice Model. Department of Economics, Temple University, Philadelphia, PA
- 1975-1976 Research Associate. Bureau of Economic and Business Research, Temple University, Philadelphia, PA
- 1973-1975 Director of Evaluation. Governor's Justice Commission of Pennsylvania (three projects):  
Data Microfilm System for Courts. 1973-1975  
COJINT (automated data systems for court administration, prisons, police, and district attorney). 1974-1975  
Narcotics Training for Police. 1973-1974
- 1973-1974 Research Coordinator. Study of the Relationship between Crime and Drug Use. Center for Social Policy and Community Development, Philadelphia, PA
- 1972-1973 Research Analyst. Center for Research on the Acts of Man, University of Pennsylvania, Philadelphia, PA
- 1966-1968 Research Assistant/Statistician, Department of Sociology, Temple University, Philadelphia, PA

## **HONORS, AWARDS AND SCHOLARSHIPS**

Elected Distinguished Fellow of the American College of Medical Informatics

Appointed Member, University of Pennsylvania's University Advisory Committee (Teacher's Improvement Program)

Appointed Senior Fellow, Center for Public Health Initiatives, Perelman School of Medicine. University of Pennsylvania Perelman School of Medicine 2016

Appointed Senior Fellow, Leonard Davis Institute for Healthcare Economics, The Wharton School, University of Pennsylvania, 2014

Elected, Fellow of the American Academy of Medical Informatics, 2012

Recipient, Distinguished Career Award for the Practice of Sociology, American Sociological Association, 2012

Recipient, Robert Ezra Park Award for Sociological Practice. The Association for Applied and Clinical Sociology, 2007

Many Keynote Speakerships: European Sociological Association, Applied and Clinical Sociology Association, International Medical Informatics Association, American Medical Informatics Association, etc 2005-2019

Selected as Nominator for the Kyoto Award, Inamori Foundation, Japan, 2007

Recipient of the Sociological Practice Award – “to an individual who has demonstrated how sociological practice can advance and improve society” – from the Society for Applied Sociology, 2002

Recipient of the William Foote Whyte Distinguished Career Award for the Practice of Sociology. American Sociological Association, Section on Sociological Practice, 1998

National Science Foundation/American Sociological Association travel grant to the World Congress of Sociology (International Sociological Association) in Madrid, Spain, 1990

Evaluator, National Endowment for the Humanities, 1977-1985

National Institute of Mental Health Fellowship, 1968-1969; renewed 1969-1970, 1971-1972

Dean's List, 1966-1968

National Science Foundation Undergraduate Grant, 1966

### **Assorted Additional Honors and Appointments:**

Appointed Member, Institute of Medicine (IOM) review panel for IOM report on HIT and patient safety, 2012

Appointed Member, Office of the National Coordinator of Healthcare Information Technology (ONC) task force on recommendations from IOM's report on HIT & patient safety, 2012

Appointed Member, Technical Advisory Committees: ONC study of unintended consequences of HIT (Westat-AMIA)

Appointed member, Geisinger-ONC Beacon project to integrate healthcare information 2009-2010

Harvard Medical School Panel on Open Information Technology Architecture, 2009

Alfred P. Sloan Foundation and the Industry Studies Committee: Affiliate Member, 2007

Elected President: Association for Applied and Clinical Sociologists. 2005-2007

Evaluator: National Science Foundation, 1993-present

Appointed to the White House Conference on the Future of Small Business & Entrepreneurship. 1994; reappointed 2000

Appoint to panel of advisors for a television news series on the future of Philadelphia; WCAU-TV, a Division of CBS Television, Inc., 1989

Elected to the Executive Board, Industrial Human Services Council, 1987; reelected 1988-1991

Appointed to advisory panel to the Franklin Institute's Future Choices Forum, 1989-1990

Elected to the Board of Trustees of The Center School. December, 1989-1991

Elected Chair (1992 - 1994), Elected Vice Chair (1991), Board of Directors of The Women's Medical Fund of Greater Philadelphia. Elected to Board, 1990

Elected Chair, Section on Temporal Ecology of the Research Committee on Social Ecology: International Sociological Association, 1982 - 1987.

Elected President of the Graduate Sociology Association, 1970-1971

Appointed to the Research Committee, Department of Sociology, Temple University, 1971-1972  
Elected Chair, College of Liberal Arts Student-Faculty Committee on Governance, 1968

### **Editorial Board and Associate Editor Roles**

Journal of Applied Clinical Informatics 2015-2019 (Appointed Assoc. Editor, 2017-2019)

Journal of Applied Clinical Informatics. 2016-2018

Journal of the International Medical Informatics Association 2013-2015, 2016-2018

International Journal of Medical Informatics, 2009-present

Journal of Sociological Practice and Clinical Sociological Review, 1997- present

**American Medical Informatics Association (AMIA)**

Appointed member, Ethics Committee 2017 to present  
Elected Chair, Clinical Information Systems Working Group 2015-2018  
Elected Chair, Evaluation Working Group 2012-2015  
Appointed Member, Scientific Program Committee, 2016 (2<sup>nd</sup> appointment)  
Appointed Member, Scientific Program Committee, 2012  
Member and author, Usability Task Force, AMIA 2010-2012  
Appointed Member, Task Force on Vendor-Healthcare provider contractual relations, 2009-2011

**American Sociological Association**

Elected Chair, Committee for the selection of the Distinguished Career Award for the Practice of Sociology, 2013-2014 and 1996  
Appointed to the Committee on Ethics, 1998-2000  
Appointed to the Program Committee, 2001; reappointed 2002  
Elected Chair: Section on Sociological Practice, 1992-1993  
Appointed to the Committee on Sociological Practice, 1993-1995  
Appointed to the Committee on Employment, 1991-1993  
Appointed to Committee for Development of Degree Program in Sociological Practice 1990-1992  
Elected to the Executive Council, Section on Sociological Practice, 1987-1990  
Appointed to the Committee for the Distinguished Career Award for the Practice of Sociology, 1994-1996  
Appointed Chair, Committee on Policy, Section on Sociological Practice, 1987-1990  
Appointed to the Committee for the Sociological Practice Lifetime Achievement Award (1986) and to the Planning Committee (1987), Sociological Practice Section

**European Sociology Association**

Elected to Board of Directors, Qualitative Sociology Section, 2003-present (re-elected 7 times)

**Sociological Practice Association**

Elected President, 2003-2005  
Elected Chair: Merger Task Force of Sociological Practice Association and Society for Applied Sociology 2003-2006  
Elected to the Board of Directors, 1997-1999, reelected 1999-2001  
Chair of the Ethics Committee, 1997-2001

**Eastern Sociological Society**

Appointed to the Candace Rogers Student Award Paper Committee, 2002  
Appointed to the Paper Committee, 1991  
Appointed: Chair and Co-Chair, Membership Committee, 1987-88; 1988-1994  
Appointed to the Computer Committee, 1991-1992, 1992-1993  
Appointed to the Committee on Employment, 1981-1983

**ADDITIONAL PROFESSIONAL/SCIENTIFIC ORGANIZATION ACTIVITIES**

Many professional leadership positions: 1982 to present.

## PROFESSIONAL ASSOCIATIONS

American Medical Informatics Association  
International Medical Informatics Association  
American Sociological Association  
Association for Applied and Clinical Sociology  
American Association of University Professors (Discontinuous participation)  
Eastern Sociological Society (Discontinuous participation)  
International Sociological Association (Discontinuous participation)  
Industrial Relations Research Association (Discontinuous participation)  
Sociological Practice Association  
European Sociological Association

## SERVICE TO THE PROFESSION

### Reviewer (*partial list*)

Annals of Emergency Medicine  
Applied Clinical Informatics  
Archives of Internal Medicine  
Annals of Internal Medicine  
Journal of the American Medical Association (JAMA)  
Journal of the American Medical Informatics Association (JAMIA)  
Journal of the International Medical Informatics Association (JIMIA)  
Journal of Applied Social Science  
Journal of Applied Sociology  
Journal of General Internal Medicine  
Journal of the American Gerontological Association  
Journal of Clinical Outcomes Management  
Journal of Critical Care  
Journal of Patient Safety  
Journal of Sociological Practice  
New England Journal of Medicine  
Pediatrics  
Pharmacoepidemiology and Drug Safety  
Sociological Forum  
Sociological Quarterly  
Swedish Federation of Medical Informatics  
Western Journal of Nursing Research  
Administrative Science Quarterly  
American Journal of Managed Care  
American Sociological Review  
Annals of Internal Medicine  
Annals of Emergency Medicine  
Archives of Internal Medicine  
Contemporary Sociology  
Critical Care Medicine

Growth and Change: Public, Urban and Regional Policy  
Health Policy  
Health Affairs  
Health Informatics Journal  
International Journal for Quality in Health Care  
International Journal of Clinical Practice  
International Journal of Medical Informatics  
Quality and Safety in Health Care, the BMJ Group

## PUBLICATIONS

### PEER-REVIEWED PUBLICATIONS

J Starren, W Tierney, M Williams, P Tang, C Weir, R Koppel, P Payne, G Hripcsak, D Detmer (2021)

A retrospective look at the predictions and recommendations from the AMIA policy meeting: did we see EHR-related burning coming? *Journal of the American Medical Informatics Association*. In Press.

V Subbian, A Solomonides, M Clarkson, V Rahimzadeh C Petersen, R Schreiber, P DeMuro, P Dua, K Goodman, B, **R Koppel**, C Lehmann, E Pan, and Y Senathirajah. (2021)

Ethics and informatics in the age of COVID-19: challenges and recommendations for public health organization and public policy. *Journal of the American Medical Informatics Association*, 28(1), 2021, 184–189 Volume 28, Issue 1, January 2021

Chunya Huang, **Ross Koppel**, John D. McGreevey III, Catherine K. Craven, Richard Schreiber (2020)

Transitions from One Electronic Health Record to Another: Challenges, Pitfalls, and Recommendations. *Journal of Applied Clinical Informatics (ACI)* September 7, 2020

John D. McGreevey III, C. William Hanson III, **Ross Koppel** (2020)

Clinical, Legal, and Ethical Aspects of Artificial Intelligence–Assisted Conversational Agents in Health Care. *JAMA*. 2020; 324(6):552-553. doi:10.1001/jama.2020.2724

**Ross Koppel** and Craig Kuziemsky (2019)

Usability Across Health Information Technology Systems: Searching for Commonalities and Consistency: Building Capacity for Health Informatics in the Future. F. Lau et al. (Eds.) Amsterdam, The Netherlands IOS Press 2019

**S. Soumerai and R. Koppel** (2019)

Instrumental variables: The power of wishful thinking vs the confounded reality of comparative effectiveness research *Health Services Research*. 2019;1–6

Craig E. Kuziemsky, Diane G. Schwartz, Subha Airan-Javia, **Ross Koppel** (2019)  
Context and Meaning in EHR Displays. *In: Context Sensitive Health Informatics: Sustainability in Dynamic Ecosystems* R. Marcilly et al. (Eds.) IOS Press. 2019

**Ross Koppel** and Craig Kuziemsky (2019)  
Healthcare Data Are Remarkably Vulnerable to Hacking: Connected Healthcare Delivery Increases the Risks. *Studies in Health Technology and Informatics V257 PP 218-222*  
F Lau, et al. Editors 2019

J S. Adelman, J R Applebaum, C Schechter, M Berger, S Reissman, R Thota, A Racine, D Vawdrey, R A Green, H Salmasian, G Schiff, A Wright, A David Bates, **R Koppel**, W Galanter, B Lambert, S Paparella, W Southern (2019)  
Effect of Restriction of the Number of Concurrently Open Records in an Electronic Health Record on Wrong-Patient Order Errors: A Randomized Clinical Trial. *JAMA, Journal of the American Medical Association*. 2019 May 14;321(18):1780-1787.

**Ross Koppel (2018)**  
Response to: An Evidence-Based Tool for Safe Configuration of Electronic Health Records: The eSafety Checklist. *Applied Clinical Informatics*. 2018;9:831–832.

C Petersen, E Berner, P Embi, K Hollis, K Goodman, **R Koppel**, C Lehmann, H Lehmann S Maulden, K McGregor et al (2018)  
AMIA's code of professional and ethical conduct 2018. *Journal of the American Medical Informatics Association*, 2018

Adelman, J. S., Berger, M. A., Rai, A., Galanter, W. L., Lambert, B. L., Schiff, G. D., Vawdrey, D. K., Green, R. A., Salmasian, H., **Ross Koppel**, Schechter, C. B., Applebaum, J. R., and Southern, W. N. (2017).  
A national survey assessing the number of records allowed open in electronic health records at hospitals and ambulatory sites. *Journal of American Medical Informatics Association*.

Amato MG, Salazar A, Hickman TT, Quist AJ, Volk LA, Wright A, McEvoy D, Galanter WL, **Koppel R**, Loudin B, Adelman JS, McGreevey JD, 3rd, Smith DH, Bates DW, Schiff GD. (2017)  
Computerized prescriber order entry-related patient safety reports: analysis of 2522 medication errors. *J Am Med Inform Assoc*. 2017; 24(2):316-322. PMID: 27678459.

Soumerai, S., and **Ross Koppel**. (2017).  
The Reliability of Instrumental Variables in Health Care Effectiveness Research: Less Is More Article. *Health Services Research*, 52(1), 9-15.

Soumerai, S., **Ross Koppel**, and Ceccarelli, R. (2016).  
False Dichotomies and Health Policy Research Designs: Randomized Trials Are Not Always the Answer. *Journal of General Internal Medicine*.

Amato, M. G., Salazar, A., Hickman, T. T., Quist, A. J., Volk, L. A., Wright, A., McEvoy, D., Galanter, W. L., **Ross Koppel**, Loudin, B., Adelman, J., McGreevey, J. D., Smith, D. H., Bates, D. W., and Schiff, G. D. (2016).

Computerized prescriber order entry–related patient safety reports: analysis of 2522 medication errors. *Journal of the American Medical Informatics Association*, 1-6.

B. Korbar, J. Blythe, **Ross Koppel**, V. Kothari, and S. Smith. (2016)

Validating an Agent-Based Model of Human Password Behavior. *Proceedings of the AAAI Workshop on Artificial Intelligence for Cyber Security*.

Schiff, G. D., Amato, M. G., Eguale, T., Boehne, J. J., Wright, A., **Ross Koppel**, Rashidee, A. H., Elson, R. B., Whitney, D. L., Thach, T. T., Bates, D. W., and Seger, A. C. (2015).

Computerised physician order entry-related medication errors: analysis of reported errors and vulnerability testing of current systems. *BMJ Quality Safety Online*, 24(4), 264-271.

Kuziemsky, C., Adams, M. B., Kaplan, B., Ravvaz, K., and **Ross Koppel**. (2015).

What Medical Informaticians Do With and Think About an International Medical Informatics Listserv: Member Survey Preliminary Findings. *Studies of Health Technology Informatics*, 216, 1124.

Thimbleby, H., and **Ross Koppel**. (2015).

The Healthtech Declaration. *IEEE Security & Privacy*, 13(6), 82-84.

**Ross Koppel**. (2015).

The health information technology safety framework: building great structures on vast voids. *BMJ Quality and Safety*, 1-3.

Ravvaz, K., Kuziemsky, C., **Ross Koppel**, Kaplan, B., Adams, S. A., & Adams, M. B. (2015).

AMIA members' "vital signs": what the HIT implementation listserv says about goals for AMIA and for medical informatics. *AMIA Annual Symposium Proceedings, 2015*, 1067–1075.

**Ross Koppel**. (2015).

Two wrongs do not make a right: Flaws in alternatives to fee-for-service payment plans do not mean fee-for-service is a good solution to rising prices. *International Journal of Health Policy and Management*, 4(9), 611-612.

**Ross Koppel**, and Lehmann, C. U. (2015).

Implications of an Emerging EHR Monoculture for Hospitals and Healthcare Systems: An analysis of Epic's market power. *Journal of American Medical Informatics Association*, 22, 465-471.

Riskin, L., **Ross Koppel**, and Riskin, D. (2015).

Re-examining health IT policy: what will it take to derive value from our investment? *Journal of American Medical Informatics Association*, 22, 459-464.

- Ross Koppel.** (2014).  
Bar-Coded Medication Administration Brings Trade-offs Even with Humane Automation and Lean Approaches. *The Joint Commission Journal on Quality and Patient Safety*, 40(8), 339-340.
- Ross Koppel.** (2014).  
Illusions and Delusions of Cut, Pasted, and Cloned Notes Ephemeral Reality and Pixel Prevarications. *Chest*, 145(3), 444-445.
- Ross Koppel.** (2013).  
Demanding Utility From Health Information Technology. Editorial. *Annals of Internal Medicine*, 158(11), 845-846.
- Blythe, J., **Ross Koppel**, Smith, S. (2013).  
Circumvention of security: good users do bad things. *IEEE Security and Privacy/ Copublished by the IEEE Computer and Reliability Societies*, 11(5), 80-83.
- Smith, S. W., and **Ross Koppel.** (2013).  
Healthcare information technology's relativity problems: a typology of how patients' physical reality, clinicians' mental models, and healthcare information technology differ. Published ahead of Print. *Journal of American Medical Informatics Association*, 21(1), 117-31.
- Geissbuhler, A., Hammond, W. E., Hasman, A., Hussein, R., **Ross Koppel**, Kulikowski, C. A., Maojo, V., Martin-Sanchez, F., Moorman, P. W., Moura, L. A., de Quirós, F. G. B., Schuemie, M. J., Smith, B., and Talmon, J. (2013).  
Discussion of "Biomedical Informatics: We Are What We Publish. *Methods of Information in Medicine*, 52(6), 547-62.
- Ross Koppel**, and Soumerai, S. (2013).  
Personal Health Records and Medical Care Use, *Journal of the American Medical Association*, 309(8), 767-768.
- Middleton, B., Bloomrosen, M., Dente, M.A., Hashmat, B., **Ross Koppel**, Overhage, J. M., Payne, T. H., Rosenbloom, S. T., Weaver, C., and Zhang, J. (2013).  
Enhancing Patient Safety and Quality of Care by Improving the Usability of Electronic Health Record Systems: Recommendations from AMIA. *Journal of the American Medical Informatics Association*, 20(e1), e2-e8.
- Schiff, G. D., Seger, A. C., Amato, M., Whitney, D. L., Boehne, J., Rashidee, A., Elson, R. B., **Ross Koppel**, Wright, A., and Bates, D. W. (2012).  
CPOE-related medication errors: Analysis of 10,000 error report narratives and vulnerability testing of current systems. *BMJ Quality and Safety Online*, 24, 264-271. 27(Suppl 2):S136.
- Ross Koppel**, Majumdar, S. R., and Soumerai, S. (2011).  
Electronic Health Records and Quality of Diabetes Care. *New England Journal of Medicine*, 365(24), 2338-2339.

Peter Jones, David Cronin, Dean Karavite, **Ross Koppel**, Prudence W. Dalrymple, Kai Zheng, Michelle L Rogers, Bob Schumacher (2011).

Designing for whole systems and services in healthcare. Proceedings of ACM CHI 2011 Conference on Human Factors in Computing Systems, 2011, 359-362.

**Ross Koppel**, and Kreda, D. A. (2010).

Healthcare IT usability and suitability for clinical needs: Challenges of design, workflow, and contractual relations. *Studies in Health Technology and Informatics*, 157, 7-14.

Elkin, P. L., Trusko, B. E., **Ross Koppel**, Speroff, T., Mohrer, D., Sakji, S., Gurewitz, I., Tuttle, M., and Brown, S. H. (2010).

Secondary use of clinical data. *Studies in Health Technology and Informatics*, 155, 14-29.

Goodman, K., Berner, E. S., Dente, M. A., Kaplan, B., **Ross Koppel**, Rucker, D., Sansa, D. V., and Winkelstein, P. (2010).

Challenges in ethics, safety, best practices, and oversight regarding HIT vendors, their customers, and patients: A report of an AMIA special task force. *Journal of the American Medical Informatics Association*, 18(1), 77-81.

**Ross Koppel**. (2010).

Monitoring and Evaluating the Use of Electronic Health Records, *Journal of the American Medical Association*, 303(19), 1918-1919.

**Ross Koppel** and Kreda, D. A. (2009).

Health Care Information Technology, Hospital Responsibilities, and Joint Commission Standards Reply. *Journal of the American Medical Association*, 302(4), 382-383.

**Ross Koppel** and Kreda, D. (2009).

Healthcare information technology vendors' "Held Harmless clauses —Implications for patients and clinicians. Commentary. *Journal of the American Medical Association*, 301(12), 1276-1278.

Aarts, J., and **Ross Koppel**. (2009).

Implementing CPOE in American, European and Australian hospitals: Lessons from differing social, economic, governance, and workplace environments. *Health Affairs*, 28, 404-414.

**Ross Koppel** and Kreda, D. (2009).

Health care information technology vendors' "hold harmless" clause. *Journal of the American Medical Association*, 301(12), 1276-1278.

**Ross Koppel**, Wetterneck, T., Telles, J. L., Karsh, and B. T. (2008).

Workarounds to Barcode Medication Administration Systems: Their Occurrences, Causes, And Threats To Patient Safety. *Journal of American Medical Informatics Association*, 15(4), 408-423.

- Ross Koppel**, Leonard, C. E, Localio, A. R., Cohen, A., Auten, R., and Strom, B. L. (2008). Identifying and Quantifying Medication Errors: Evaluation Of Rapidly Discontinued Medication Orders Submitted To A Computerized Physician Order Entry System. *Journal of American Medical Informatics Association*, 15(4), 461-465.
- Ross Koppel**. (2008). Spindles, Snow Drifts, Ludwig Wittgenstein, and the Utility of Sociology. *Journal of Applied Social Science*, 2(2), 1-8.
- Harrison, M., **Ross Koppel**, and Bar-Lev, S. (2007). Unintended Consequences of Information Technologies in Health Care - An Interactive Sociotechnical Analysis. *Journal of the American Medical Informatics Association*, 14(5), 542-549.
- LaRosa, L. A., Fishman, N. O., Lautenbach, E., **Ross Koppel. J.**, Morales, K. H., Linkin, D. R. (2007). Evaluation of Antimicrobial Therapy Orders Circumventing an Antimicrobial Stewardship Program: Investigating the Strategy of "Stealth Dosing." *Infection Control and Hospital Epidemiology*, 28(5), 551-556.
- Ross Koppel**. (2006). Defending computerized physician order entry from its supporters. *American Journal of Managed Care*, 12(7), 369-370.
- Ross Koppel**. (2006). Presidential Address: Joint Meeting of The Society for Applied Sociology (SAS) and The Sociological Practice Association (SPA): Creating The Association for Applied and Clinical Sociology (AACCS). *Journal of Applied Sociology*, 23(1).
- Ross Koppel**, Localio, A. R., Cohen, A., Strom, B. L. (2005). Neither Panacea Nor Black Box: Responding to Three Journal of Biomedical Informatics Papers on Computerized Physician Order Entry Systems. *Journal of Biomedical Informatics*, 38(4), 267-269.
- Ross Koppel**, Metlay, J. P., Cohen, A., Abaluck, B., Localio, A. R., Kimmel, S. E., and Strom, B. L. (2005). Role of computerized physician order entry systems in facilitating medication errors. *Journal of the American Medical Association*, 293(10), 1197-1203.
- Metlay, J., Cohen, A., Hennessy, S., Kimmel, S., **Ross Koppel**, and Polsky, D. (2005). Medication Safety among Older Adults: Home Based Practice Patterns. *Journal of the American Geriatrics Society*, 53(6), 976-982.
- Ross Koppel**. (2005). Computerized Physician Order Entry Systems: The Right Prescription? *Leonard Davis Institute for Health Economic Issue Brief*, 10(5), 1-4.

- Ross Koppel.** (2005).  
 Commentary: What Do We Know About Medication Errors Made Via A CPOE System Versus Those Made Via Handwritten Orders? *Journal of Critical Care*, 9(5), 427.
- Shostak, A., **Ross Koppel**, and Perkins, J. (2005).  
 Abortion clinics and waiting room men: Sociological insights. *Journal of the Washington Academy of Sciences*, 91(1), 41-54.
- Dotzler, R. J. and **Ross Koppel.** (1999).  
 What Sociologists do and where they do it the NSF survey of sociologists's work activities and workplaces. *Sociological Practice: A Journal of Clinical and Applied Sociology*, 1, 71.
- Reprinted as chapter: (2001; 2004; 2008). In D. Wysocki (Ed.), *Readings in Social Research Methods, 1<sup>st</sup> and 2<sup>nd</sup> and 3<sup>rd</sup> edition*. Belmont, CA: Wadsworth/Thomson Learning. Referenced below.
- Ross Koppel.** (1997).  
 Distinguished Contribution to Sociological Practice: Award essay for Irwin Deutscher. *Footnotes: American Sociological Association*, 25(7), 5.
- Also: Essay reprinted in the *Newsletter: Section on Sociological Practice* of the American Sociological Association.
- Ross Koppel**, and Hoffman, A. (1996).  
 Worker Dislocation Policies in the U.S.: What Should We be Doing? *Annals of the American Academy of Political and Social Science*, 544, 111-126.
- Ross Koppel.** (1996).  
 Distinguished Contribution to Sociological Practice: award essay for Albert E. Gollin. *Footnotes: American Sociological Association*, 24(7), 5-6.
- Ross Koppel.** (1993).  
 Looking for the "Lost Generation" in all the wrong places?: analysis of the survey of graduates from the mid-1970s to mid-1980s. *Footnotes: American Sociological Association*, 21(5), 7.
- Ross Koppel**, Dowdall, G., and Shostak, A. (1986).  
 Using Computers to teach sociology: a departmental survey (Third of three articles -- Insights on pedagogical software.) *Footnotes: American Sociological Association*, 14(4), 12.
- Ross Koppel**, Dowdall, G., and Shostak, A. (1985).  
 Using computers to teach sociology: a departmental survey. (Second of three articles -- Systematic differences in the distribution and perceived need for computers in teaching sociology.) *Footnotes: American Sociological Association*, 13(8), 4.

Dowdall, G., **Ross Koppel**, and Shostak, A. (1985).  
Using computers to teach sociology: a departmental survey. (First of three articles --  
Faculty and student use of computers and pedagogic software.) *Footnotes: American  
Sociological Association*, 13(5), 6.

**Ross Koppel**, and Roccili, J. D. (1982).  
Urban education and student prospects: policy implications. *Urban Education*, 16, 4.

Appelbaum, Eileen and **Ross Koppel**. (1978).  
Critical Issues in Higher Education. *Conference Proceedings of the Meeting of the  
Mid-America Association of Educational Opportunity Program Personnel*.

Continue below: Book Chapters

## BOOK CHAPTERS

**Ross Koppel** and Joel L. Telles (2021)

Addressing Social Problems through Qualitative Research. In *Qualitative Research* 5<sup>th</sup> edition. David Silverman, Editor. London, UK: Sage Publications.

**Ross Koppel.** (2016).

Great Promises of Healthcare Information Technology Deliver Less. In C.A. Weaver, M. Ball, G. Kim, and J. Kiel (Eds.), *Healthcare Information Management Systems: Cases, Strategies, and Solutions* (pp. 101-125). Switzerland: Springer International Publishing.

**Ross Koppel.** (2016).

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## INVITED PRESENTATIONS (Partial list of >300 presentations)

### **Koppel, R**

On the Four Voices Negotiating Your Medical Care: Your Body, Your Medical Record, Your Clinician – and, Now, Your Personal Data. Conference: “Unspoken, Unseen, Unheard of Unexplored Realities in Qualitative Research.” European Sociological Association, Network on Qualitative Methods. Meetings in St. Gallen, Switzerland 2018

### **Koppel, R**

The ethical Issues of Healthcare Information Technology. Conference on Electronic Health Records and Patient Safety: Legal Challenges and Solutions Friday, April 5, 2019 Case Western Reserve University School of Law, Cleveland, Ohio

### **Koppel, R**

Keynote Lecture. Temple University Biomedical Informatics Program First Annual Meeting. 2019

### **Kothari, V., Blythe, J., Smith, S. W. & Koppel, R.**

Data Privacy and the Elusive Goal of Empowering the User. Workshop on Moving Beyond a ‘One-Size-Fits-All’ Approach: Exploring Individual Differences in Privacy, CHI.2018

### **Novak, C., Blythe, J., Koppel, R., Kothari, V., & Smith, S. W.**

Modeling Aggregate Security with User Agents that Employ Password Memorization Techniques. In *Who Are You?! Adventures in Authentication, Symposium on Usable Privacy and Security (SOUPS)*. 2017

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Unintended consequences of digital health: the good, the bad, and the ugly. UK E-Health Week. Keynote Lecture. London, England, May 2017.

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Schaper, L., Kinnear, A., Scott, P., Dwelly, J., **Ross Koppel**, and Lehmann, C.  
CIOs and CCIOs are the new rock stars – global icons assemble. Panelist. UK E-Health Week. London, England, May 2017.

Senathirajah, Y., Kushniruk, A., Patrick, J., **Ross Koppel**, and Borycki, E.  
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Smith, S., **Ross Koppel**, Blythe, J., and Kothari, V.  
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Usability across Health Information Technology Systems: Searching for Commonalities and Consistency. Presentation. Medical Informatics Europe Conference. Manchester, UK, April 2017.

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*Is Healthcare Information Technology Evidence-Based?* Grand Rounds to the ONC. Also streamed to viewers in the USA via HHS feed. 2016
- Das, S., Knijnenburg, B., **Ross Koppel**, Wash, R., McCoy, D.  
Panel: Individuals and Norms. Computing community consortium Catalyst, Sociotechnical Cybersecurity Workshop, Hyattsville, MD. 2016
- Korbar, B., Blythe, J., **Ross Koppel**, Kothari, V. and Smith, S.  
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- Ross Koppel.**  
High Promises and Deep Frustrations of Healthcare Information Technology: *Why are Medical Informatics’ User Interfaces 20 Years Behind Your 10-Year- Old Cellphone’s Usability?* SUNY Buffalo 2016
- Ross Koppel**, Harmon, D., Smith, S., Blythe, J. and Kothari, V.  
Beliefs about Cybersecurity Rules and Passwords: Comparing Two Survey Samples of Cybersecurity Professionals and General Users and Future Data Collection Experiments. Poster. NSA SoS Quarterly Meeting, Laurel, MD. 2016
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Standards and Data Standards: Key To The Industrial Revolution And To Healthcare IT Success. Clinical Terminology Shock and Awe, SUNY Buffalo, Getzville, NY. 2016

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- Blythe, J., Kothari, V., **Ross Koppel.**, and Smith, S.  
A Toolkit for Exploring the Impact of Human Behavior on Cybersecurity through Multi-agent Simulations, Society for Risk Analysis. Annual Meeting 2015
- Kothari, V. Blythe, J, **Ross Koppel**, and Smith, S.  
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- Ross Koppel**, and Phelps, D.  
Applying Sociological and Ethnographic Methods to Understand Circumvention of Cyber Security: Why Does Everyone Do It, and What Does It Say about People and Systems? Association for Applied and Clinical Sociology 2015 Annual Conference, Montgomery, AL. 2015

**Ross Koppel.**

Progress, Problems, Publications, Plans and Promises of the Group Studying Passwords and Cyber Security Circumvention. NSA SoS Quarterly Meeting. 2015

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Health Information Technology is already improving healthcare safety and current regulation around it is sufficient. Live stream debate. The International Society for Quality in Health Care (ISQua). 2015

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The challenge of computerisation in hospitals 'first do less harm'. The Royal College of Physicians of Edinburgh, Edinburgh, UK. 2015

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From Sentences to Sense-Making, From Utterances to Clinical Understanding, From Narratives to Structured Data: A tutorial on Qualitative Data Coding Concepts, Methods and Tools. AMIA Clinical Information Systems WG. 2015

McCray, A. T., Glaser, J., **Ross Koppel**, Langlotz, C. P., and Silverstein, J.

Health IT vendors and the academic community: The 2014 ACMI Debate. Panelist. The American Medical Informatics Association Annual Symposium, Washington, DC. 2014

Kothari, V. Blythe, J, **Ross Koppel**, and Smith, S.

"Agent-Based Modeling of User Circumvention of Security", 1st International Workshop on Agents and CyberSecurity (ACySE), Paris, France, May 5, 2014.

Blythe, J., **Ross Koppel**, Kothari, V., and Smith, S.

Workarounds of computer security evasions in healthcare settings: circumvention as the norm, HealthTech USENIX Summit 2014.

**Ross Koppel**, Blythe, J., and Smith, S.

Ethnography of Computer Security Evasions: workarounds to cyber controls  
Ethnography: Trends, Traverses and Traditions, European Sociological Association,  
2014.

Raphaely, R. C., Gelzer, R. D., **Ross Koppel**, and McGovern, M.

Panelist. The Matthew J. Ryan Law and Public Policy Forum, Villanova, PA. 2014

**Ross Koppel**.

Using Sociology to confront a three trillion dollar industry: Healthcare IT vs. reality and hype. Association for Applied and Clinical Sociology, 2014 Annual Conference, Pittsburgh, PA. 2014

**Ross Koppel**.

Software Loved by its Vendors and Disliked by 70% of its Users: Two Trillion Dollars of Healthcare Information Technology's Promises and Disappointments. Keynote speaker. USENIX Summit on Health Information Technologies, San Diego, CA. 2014

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Why We Don't Have The Healthcare Information Technology We Deserve?  
Compromises, Complaints, Cooperation, Cooptation, And Clinicians: An Alternative Agenda To Improve Clinical Efficiency And Patient Safety. University of Utah School of Medicine Biomedical Informatics Seminar Series, Salt Lake City, UT. 2014

Brouillard, C. R., **Ross Koppel**, and Melnik, T.

Managing ESI within Health Information Systems—Now They've Gone Mobile. American Bar Association's Information Governance, Electronic Discovery and Digital Evidence National Institute, Tampa, FL. 2014

Dente, M., Gelzer, A., **Ross Koppel**, Craven, C. K., and Aarts, Jos.

Imaginary and Real Costs of Implementing HIT. Panelist. The American Medical Informatics Association Annual Symposium, Washington, DC. 2014.

Balas, E. A., Elkin, P. L., and **Ross Koppel**.

Technology Transfer from Biomedical Research to Clinical Practice: Measuring Innovation Performance. Panelist. The American Medical Informatics Association Annual Symposium, Washington, DC. 2014

Amato, M. G., Seger, A. C., Wright, A., **Ross Koppel**, Rashidee, A., Elson, R., Whitney, D. L., Thach, T., Bates, D. W., and Schiff, G.  
Assessment of the Quality of Computerized Physician Order Entry (CPOE)-Related Medication Error Reports in a Large Medication Error Database. American Medical Informatics Association Annual Symposium, Washington, DC. 2014

**Ross Koppel.**

Award Speech for Harry Perlstadt. The Distinguished Career American Sociological Association Major Award for the Practice of Sociology. 2014

Phelps, D., **Ross Koppel**, and Straus, R.

Certification Demonstration Session. Association for Applied and Clinical Sociology, 2013 Annual Conference, Portland, OR. 2013

**Ross Koppel.**

Pushing Healthcare Information Technology (HIT): Examining the Ethics and consequences of U.S. policy and HIT vendor practices. University of North Carolina Chapel Hill Center for Bioethics Research Ethics Grand Rounds, Chapel Hill, NC. 2013

**Ross Koppel.**

How to Make Healthcare IT More Useful to Clinicians and Meaningful for Clinical Care. Duke Center for Health Informatics, Informatics Research Seminar, Durham, NC. 2013

**Ross Koppel.**

Why is HIT so frustrating, and how can we make it less so? Summer Institute in Nursing Informatics, Baltimore, MD. 2013

Thimbleby, H. and **Ross Koppel**. Unsafe in Any Bed. Swansea University Festival of Research, Swansea, UK. 2013

Gelzer, R. D., **Ross Koppel**, Brouillard, C. P., and Melnik, T.

Managing ESI Health Information Systems. 2014 ABA Information Governance, Electronic Discovery and Digital Evidence National Institute, Tampa, FL. 2013

Kuperman, G., Solomon, H., **Ross Koppel**, Jaffe, C., Mandel, J., and Fridsma, D. B.

Interoperability: Why is it Taking so Darn Long? AMIA Annual Symposium 2012 Session, Chicago, IL. 2012

**Ross Koppel.**

Why Is Smart Technology so Dumb? The Problems with Electronic Health Records for Clinicians and Patients Telfer School of Management, University of Ottawa, Health Systems Research Seminar Series, Ottawa, ON. 2012

**Ross Koppel**, Lyon, E., Kettlitz, R. E., and Steele, S. F.

Enhancing the Position of Applied and Practice Sociology into the Profession of Sociology and in Society. Panelist. Association for Applied and Clinical Sociology 2012 Annual Conference, Milwaukee, WI.

**Ross Koppel.**

Keynote speaker. Harvard School of Dental Medicine Conference, Boston, MA. 2012

**Ross Koppel.**

HIT, Workarounds and Security NIST. The National Institute of Standards and Technology Computer Security Resource Center, Gaithersburg, MD. 2012

Schlossberg, S., Lee, J., and **Ross Koppel.**

Clinical Systems - Have Access Control Methodologies Kept Pace with Users' Expectations and the Regulatory Environment? Dartmouth Securing Information Technology in Healthcare (SITH2) workshop, Hanover, NH. 2012

**Ross Koppel.**

Why does Healthcare Information Technology Hide Information? School of Biomedical Informatics at the University of Texas Special Seminar, Houston, TX. 2012

**Ross Koppel.**

Meaningful use: Meaning more? Or meaning less? Defining and defying sub-clinical HIT. The National Institute of Standards and Technology's Usability in Health IT: Technical Strategy, Research, and Implementation Workshop, Gaithersburg, MD. 2010

**Ross Koppel.**

First Do No Harm: Ensuring the Safe and Effective Use of Health IT. Agency for Healthcare Research and Quality 2009 Annual Conference, Bethesda, MD. 2009

Chueh, H., Ghouri, A., Kibbe, D., **Ross Koppel**, and Stein, M.

Models for Adoption of Platforms. The Meeting at Harvard on a Health Information Technology Platform, Cambridge, MA. 2009.

**Ross Koppel.**

Presidential Address to the Association for Applied and Clinical Sociology, San Jose, CA. 2006

## TEACHING

Perelman School of Medicine, University of Pennsylvania

Biomedical Informatics: Usability and Computer Interface Design: Class in the Department of Biomedical Informatics. Post Graduate. (2019 and repeated in 2020)

Jacobs School of Medicine. University at Buffalo (SUNY).

Biomedical Informatics: Human Factors: Class in the Department of Biomedical Informatics, Post Graduate. (2020 and 2021)

Sociology Department, University of Pennsylvania, 1993-present

Research Methods (32 classes; mean number of students = 40) 1993-2016

Statistics (3 classes; mean number of students = 45) 1999-2015

Field Methods (1 class, 15 students) Plus 4 independent studies 2014

Sociology of Medicine (2 classes; mean number of students = 42) 2012

Sociology of Work (1 class, 32 students) 2001

Perelman School of Medicine, University of Pennsylvania

Biomedical Informatics: Ethics and Patient Safety. (Graduate program for physicians) (2019)

At Other Schools:

Industrial Relations. Temple University. 1976.

Sociology. La Salle College. 1975.

Sociology. Community College of Philadelphia. 1974.

Sociology (Introduction, American Society, Social Problems). Temple University. Fall Semesters: 1970, 1971, 1972.

(The early teaching (1970-1976) was on a part-time basis, as a graduate student)

Professor. Graduate School of Education, University of Pennsylvania, 2003-2008  
Ph.D. courses on research and school-public interaction

Yale National Initiative. University of Pennsylvania's program to teach teachers statistics 2013

Thomas Jefferson Medical College's Occupational Medicine Residency Program, Division of Environmental Medicine and Toxicology, 1997-2001

Temple University, 1982  
Evaluation Research, Center for Social Policy and Community Development

## **RESEARCH SUPERVISION**

### **Dissertations and Mentoring**

Served on several Ph.D. thesis committees: Australia, the Netherlands, Denmark, and several universities in the US.

Mentored over 30 students in various projects as independent studies, as interns from the Philadelphia Center, and as a volunteer advisor. Currently I am mentoring Lucy Nebeker, a student at the University of Pennsylvania who is making a documentary about the development and use of HIT. I am also currently mentoring Jasmine Martinez, a Vassar senior who is working with the Philadelphia Center. She is working on the trajectories of changes to EHRs as they are implemented and optimized. She is also working on healthcare policy.