

## **Denise L. Anthony**

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### EDUCATION

Ph.D., Sociology, University of Connecticut, 1997

M.A., Sociology, University of Connecticut, 1991

B.A., Sociology and International Studies, Indiana University of Pennsylvania, 1990

### EMPLOYMENT

July 2008 - present

Chair, Department of Sociology, Dartmouth College

August 2008 – present

Research Director, Institute for Security, Technology, & Society (ISTS), Dartmouth College

July 2007 – April 2008

Interim Chair, Department of Sociology, Dartmouth College

July 2006 – Present

Associate Professor, Department of Sociology, Dartmouth College

Adjunct Assoc. Professor, Department of Community and Family Medicine, Dartmouth Medical School

September 2001 – June 2006

Adjunct Asst. Professor, Department of Community and Family Medicine, Dartmouth Medical School

July 1999 – June 2006

Assistant Professor, Department of Sociology Dartmouth College

### AWARDS

2006-2007

Jack E. Thomas 1974 Family Fellow, Dartmouth College

1997 - 1999

Post-doctoral Fellow, Robert Wood Johnson Foundation Scholar in Health Policy, University of Michigan

### ARTICLES

Anthony, D, SW Smith, T Williamson. In Press [2009] "Reputation and Reliability in Collective Goods: The case of the online encyclopedia Wikipedia" Rationality & Society.

Anthony DA, Herndon MB, Gallagher PM, Barnato AE, Gottlieb D, Bynum JPW, Fisher ES, Skinner JS. 2009. "How much do patient preferences contribute to resource utilization?" Health Affairs. 28(3): 864-71.

Barnato AE, Anthony DL, Skinner JS, Gallagher PM, Fisher ES. 2009. "Racial and ethnic differences in preferences for end-of-life treatment." Journal of General Internal Medicine. 24(6): 695-701.

- Fowler, FJ, PM Gallagher, DL Anthony, K Larsen, JS Skinner. 2008. "The Relationship between Regional per Capita Medicare Expenditures and Patient Perceptions of Quality of Care" Journal of American Medical Association. 299(20):2406-2412
- Herndon, MB, LM Schwartz, S Woloshin, DL Anthony, P Gallagher, FJ. Fowler, E Fisher. 2008. "How do patients feel about 'unnecessary' tests and referrals?" Journal of General Internal Medicine. J Gen Intern Med 23(10):1547-54.
- Anthony, Denise, David Kotz, Tristan Henderson. 2007. "Privacy in Location Aware Computing Environments." IEEE Pervasive Computing. 6(4): 64-72.
- Barnato, AE, Herndon, MB, Anthony DL, Gallagher PM, Skinner JS, Bynum JPW, Fisher ES. 2007. "Are Regional Variations in End-of-Life Care Intensity Explained by Patient Preferences? A Study of the U.S. Medicare Population." Medical Care. 45(5):386-393.
- Anthony, Denise. 2005. "Cooperation in Micro-Credit Borrowing Groups: Identity, Sanctions and Reciprocity in the Production of Collective Goods." American Sociological Review 70(1): 496-515.
- Ye, Zishuang, Sean Smith, and Denise Anthony. 2005. "Trusted Paths for Browsers." ACM Journal Transactions on Information and System Security (TISSEC) 8(2):153-186.
- Anthony, Denise and Christine Horne. 2003. "Gender and Cooperation: Explaining loan repayment in micro-credit borrowing groups." Social Psychology Quarterly 66(3):293-302.
- Anthony, Denise. 2003. "Changing the nature of physician referral relationships in the US: the impact of managed care." Social Science and Medicine 56(10): 2033-2044.
- Anthony, Denise, and Jane Banaszak-Holl. 2003. "Organizational Variation in the Managed Care Industry in the 1990s." Research in the Sociology of Health Care, 21:21-38.
- Heckathorn, Douglas D., RS Broadhead, DL Anthony, and DL Weakliem. 1999. "AIDS and Social Networks: Prevention Through Network Mobilization." Sociological Focus 32(2): 159-179.
- Broadhead, Robert S., DD Heckathorn, DL Weakliem, DL Anthony, H Madray, RJ Mills, and J Hughes. 1998. "Harnessing Peer Networks as an Instrument for AIDS Prevention: Results from a Peer-Driven Intervention." Public Health Reports 113S (1): 42-57.
- Anthony, Denise L. 1997. "Micro-Lending Institutions: Using Social Networks to Create Productive Capabilities." International Journal of Sociology and Social Policy (Special Issue on Economic Sociology) 17(7/8):156-178.
- Broadhead, Robert S., Douglas D. Heckathorn, Jean-Paul C. Grund, L. Synn Stern, and Denise L. Anthony. 1995. "Drug Users Versus Outreach Workers in Combating AIDS Part I: Agency Problems in Traditional Outreach Interventions." The International Journal of Drug Policy 6(3):178-188.
- Broadhead, Robert S., DD Heckathorn, JPC Grund, LS Stern, and DL Anthony. 1995. "Drug Users Versus Outreach Workers in Combating AIDS Part II: Preliminary Results of a Peer-Driven Intervention." The International Journal of Drug Policy 6(4):274-288.

Broadhead, Robert S., DD Heckathorn, JPC Grund, LS Stern, and DL Anthony. 1995. "Drug Users Versus Outreach Workers in Combating AIDS: Preliminary Results of a Peer-Driven Intervention." Journal of Drug Issues 25(3):531-564.

Anthony, Denise L., Douglas D. Heckathorn and Steven M. Maser. 1994. "Rational Rhetoric in Politics: The Debate Over Ratifying The U.S. Constitution." Rationality and Society. 6:489-518.

#### BOOK CHAPTERS, BOOK REVIEWS AND OTHER PUBLISHED WORKS

Anthony D, Kitts J, Masone C, Smith S. Forthcoming. "Internet Exchange and Types of Trust." Chapter in Trust and Technology in a Ubiquitous Modern Environment: Theoretical and Methodological Perspectives. Edited by Dominika Latusek and Andrea Gerbasi. IGI Global.

Anthony, Denise, Tristan Henderson, James Kitts. 2009. "Trust and Privacy in Distributed Work Groups." Pp. 16-23 in Social Computing, Behavioral Modeling and Prediction, Huan Liu, John J. Salerno, Michael J. Young (editors). New York: Springer.

Appari, A., Anthony, D.L., and Johnson, E.M. (2009) "HIPAA Compliance: An institutional Theory Perspective," forthcoming in *Proceedings of the 15th Americas Conference on Information Systems*, San Francisco, CA, August 6-9.

Appari, A., Anthony, D., and Johnson, M.E. (2009) "HIPAA Compliance: An Examination of Institutional and Market Forces," forthcoming in *Proceedings of the 8th Workshop on Economics of Information Security*, London, June 24-25

Appari, A., Anthony, D.L., and Johnson, E.M. (2008) "Which Hospitals are Complying with HIPAA: An Empirical Investigation of US Hospitals," *Proceedings of the 3rd Workshop on Information Security and Privacy*, Paris, December 13.

Appari, Ajit, Anthony, Denise, and M. Eric Johnson. 2008. "Information Security Investments in the Healthcare Sector: An Exploratory Study of HIPAA Compliance." In *Proceedings of the Workshop on Information Security & Privacy (WISP08)*, December 13, 2008 in Paris, France.

Anthony, Denise. 2006. "The Promise of Micro-Enterprise: Understanding Individual and Organizational Impacts" Contemporary Sociology 35(3):231-234.

Tristan Henderson and Denise Anthony and David Kotz. "Measuring wireless network usage with the experience sampling method." In *Proceedings of the First Workshop on Wireless Network Measurements (WiNMee)*. April, 2005.

Anthony, Denise. 2005. Review of *Health Care Systems of the Developed World* by Duane Matcha. Contemporary Sociology 34(2): 200-201.

Anthony, Denise. 2004. Review of *Trust and Reciprocity: Interdisciplinary Lessons for Experimental Research* Edited by Elinor Ostrom, and James Walker. Contemporary Sociology 33:493-4.

Anthony, Denise. 2004. Review of *Social Partnerships and Social Relations New Strategies in Workforce and Economic Development* by Janet Bugoslaw. Contemporary Sociology 33(1): 43-44.

Franklin, Mark, Larry Levine, Denise Anthony, and Robert Brentrup. 2004. "PKI: A Technology Whose Time Has Come in Higher Education." EDUCAUSE Review March.

Anthony, Denise. 2001. "The Care and Feeding of the Diet Industry: Implications for Women's Health." Pp. 136-143 in Women and Health: Power, Technology, Inequality, and Conflict in a Gendered World, Katherine Strother Ratcliff (editor), Boston: Allyn and Bacon.

Anthony, Denise, and Kathryn Strother Ratcliff. 2001. "Women and Body Image." Pp. 127-135 in Women and Health: Power, Technology, Inequality, and Conflict in a Gendered World, Katherine Strother Ratcliff (editor), Boston: Allyn and Bacon.

Anthony, Denise. 2000. "Implications of Managed Care Restrictions for Physician Referral Relationships." Robert Wood Johnson Foundation, Working Paper Series WP-11.

Anthony, Denise. 1999. "The Importance of Trust in Micro-Credit Borrowing groups." Pp. 547 – 578 in Business Access to Capital and Credit. Proceedings from the Federal Reserve System Research Conference. Arlington, VA.

Grund, Jean-Paul C., Douglas Heckathorn, Robert Broadhead, and Denise Anthony. 1995. "In Eastern Connecticut, IDU's Purchase Syringes from Pharmacies but Don't Carry Syringes." (Refereed Letter). Journal of Acquired Immune Deficiency Syndromes and Human Retrovirology.

#### GRANTS

##### Active:

Investigator, "Causes and Consequences of Health Care Efficiency" NIA P01 AG19783 (Skinner, PI) 2006-2011

Co-PI, "Technology in Practice: Using the Electronic Health Record to Measure Care Coordination" Dartmouth Center for Clinical and Translational Science (DCCTS) (internal) \$70,000 (Herndon, Co-PI) 2009-10

##### Submitted:

Technology in Practice: Coordinating Care in Rural Primary Care Practices, AHRQ (NIH) PAR-08-269 (R21) \$292,713 for 2010-2012 (18 months)

CT-L: Trustworthy Information Systems for Healthcare (TISH), NSF (Cyber Trust) \$2,999,942 for 2009-11 David Kotz (PI), Denise Anthony, Eric Johnson, and Sean Smith.

##### Completed:

PI, "Information Technology in Healthcare," NIST [ISTS] July – December 2008, \$60,000

Investigator, "PLACE: Digital Living" DHS-NCSD [ISTS] July 2005 – July 2007

Investigator, "Understanding the Role of Trust in Internet Exchange" DHS-NCSD [ISTS] 2005 – 2007

PI "Cyberstorm Communication Patterns" DHS – Booz Allen Hamilton, #5-37223 January 2006 – May 2006, \$45,314

PI "The Role of Social Networks in Organizational Learning during a Cyber-Crisis: Evidence from the LIVEWIRE simulation" DHS [ISTS] June – August 2005, \$23,373

Co-PI, "Computer Usage and Communication," McKinsey & Co. (Kotz, Co-PI), June – September 2004, \$20,000

Investigator, "Causes and Consequences of Health Care Intensity" NIA P01 AG19783 (Skinner, PI) 2001-2006

Investigator, "Veterans Administration Research Enhancement Award Program (REAP)" VAM&ROC, White River Jct, VT (Weeks, PI), 2004 – 2005, \$46,000

Investigator, "Transforming Academic Computing with Public Key Infrastructure," Mellon Foundation Grant 2002 – 2004, \$1,600,000  
PI " Explaining Organizational Change in the Managed Care Industry in the 1990s" Rockefeller Center for Public Policy Grant, 2001-02, \$15,000

### WORKS IN PROGRESS

"Mechanisms of Social Capital: Producing Social Control in Microcredit Groups." Revise & Resubmit  
"Patient Care Seeking and Regional Healthcare Variation." Conference paper.  
"Health Care Efficiency (Spending) and Patient Assessments of Care." Conference paper.  
"Trust and Trustworthiness in Online Credit Markets" with Ko Kuwabara and Christine Horne.  
Conference paper  
"HIPAA Compliance: An Examination of Institutional and Market Forces" with Ajit Appari and Eric Johnson. Conference paper

### PRESENTATIONS

"Trust and Privacy in Distributed Work Groups" Workshop on Social Computing, Behavioral Modeling and Prediction, March 31-April 1, 2009, Phoenix AZ  
"Obama's Health Policy Plan" Nelson A. Rockefeller Center panel on "Change? The 2008 Elections: Outcomes, Consequences, and Next Steps" November 2008  
"Physician Practice and the Changing Profession of Medical Practice" Invited talk, Copenhagen Business School Department of Organization, April 17, 2008.  
"The American Healthcare System" Invited talk, University of Copenhagen, April 24, 2008.  
"Trust and Technology" Invited talk, University of St. Andrews, May 10, 2009.  
"Technology and Trust" Eastern Sociological Society, Feb 21-24, 2008, New York City.  
"Regional variation in patient satisfaction with the doctor-patient relationship." American Sociological Association annual meetings, August 2006, Montreal, Quebec, Canada.  
"Efficiency & Patient Care: Exploring the relationship between system efficiency and the doctor-patient relationship." Invited talk, PAM, Cornell, January 2006.  
"Explaining Quality in Open Source: Zealots and Good Samaritans in the Case of Wikipedia." Invited talk, Sloan School of Management, MIT, December 2005.  
"Explaining Quality in Open Source: Zealots and Good Samaritans in the Case of Wikipedia." Presented at the Economic Sociology and Technology Conference, September 23-24, 2005, Ithaca, NY.  
"How do companies respond to a cyber-attack? Trust and inter-organizational communication networks during a crisis." Eastern Sociological Society annual meetings, March 2005, Washington D.C.  
"Computer Users' Security Behavior." Invited presentation at the PKI Unlocked Summit, July 2004, Dartmouth College, Hanover NH.  
"Who do you call in a cyber-crisis? Reliability and Capability for Trusted Inter-organizational Communication." Presented at the International Network for Social Network Analysis (INSNA) Sunbelt Conference, in May 2004 (Slovenia).  
"Social Trust and Cyber-trust: Implications for Computer-mediated communication and exchange." Invited presentation at Daniel Webster College Social Science Seminar, April 2004.  
"Digital Communication: Enabling Trust but Institutionalizing Distrust." Eastern Sociological Society annual meetings, February 2004, New York City.  
"Social Capital in the Creation of Financial Capital: Social Control in Micro-Credit Borrowing Groups." American Sociological Association annual meetings, August 2003, Atlanta, GA.  
"Managed Care and Social Policy: The Physician's Perspective." American Sociological Association, August 2002, Chicago, IL.  
"Managed Care and Physician Satisfaction." Presented at the fourth annual Health Care Organizations Conference, University of California-Berkeley, June 6-7, 2002.  
"Changing Organizational Forms of Managed Care in the Nineties: Some Implications for Institutionalization." American Sociological Association, August 2000, Washington DC.

- “Implications of Managed Care Restrictions for Physician Referral Relationships.” August 1999. American Sociological Association, Chicago, IL.
- “Information and Control in Health Care: Implications of Specialist Panel Restrictions for Physician Referral.” June 1999. Paper presented at the Robert Wood Johnson Foundation Scholars in Health Policy Annual Meeting, Aspen, CO.
- “The Importance of Trust in Micro-Credit Borrowing groups.” March 1999. Paper presented at the Federal Reserve Conference on Business Access to Capital and Credit, Arlington, VA.
- “Organizing Trust: How Micro-Creditors Facilitate Trust in Borrowing Groups.” November 1998. Paper presented at the Interdisciplinary Committee on Organizational Studies (ICOS), University of Michigan.
- “Investing in Trust: Building Cooperation in Micro-Credit Borrowing Groups.” August 1998. Paper presented at the Annual Meeting of American Sociological Association, San Francisco, CA.
- “Investing in Trust: Cooperation in Micro-Credit Borrowing Groups.” March 1998. Paper presented at the Annual Meeting of the Public Choice Society, New Orleans, LA.
- “Producing Social Capital: How Micro-Credit Borrowing-Groups Reduce the Costs of High-risk Lending.” August 1997. Paper prepared for presentation at the Society for the Study of Social Problems annual meetings, Toronto, Ontario.
- Anthony, Denise L. and Douglas D. Heckathorn. “Explaining the Decline in Adolescent Self-Esteem: A Rational Choice Analysis of Gender.” August, 1996. Paper presented at the American Sociological Association annual meetings, New York, New York.
- "Micro-lending Institutions: Structuring Relations and Creating Productive Capabilities." August 1995. Paper presented at the American Sociological Association annual meetings, Washington, DC.
- "Teaching Controversial Issues in the Classroom." April, 1995. Paper presented at the annual conference of the New England Women's Studies Association, Storrs, Connecticut.
- Anthony, Denise L, and Douglas D. Heckathorn. "Gender as Differential Group Solidarity." August 1994. Paper presented at the American Sociological Association annual meetings.
- Ferree, Myra Marx, Denise L. Anthony, and Jane R. Wilkie. "Economic Dependency, the Breadwinner Role and the Division of Household Labor." July, 1994. Paper presented at the annual meetings of the International Sociological Association World Congress of Sociology, Bielefeld, Germany.
- "Women and Weight: The Power of Discourse." March, 1994. Paper presented at the annual Eastern Sociological Society meetings.
- "Bringing Women Back In: Reconceptualizing Feminist Theory." March, 1993. Paper presented at the annual Eastern Sociological Society meetings.
- Heckathorn, Douglas D., and Denise L. Anthony. "A New Theory of Gender Relations: Gender as Differential Group Solidarity." March, 1993. Public Choice Society, New Orleans, LA.

#### COURSES TAUGHT

- Introduction to Sociology – introductory course [University of Connecticut]
- Global Health Systems – Upper-level undergraduate seminar course
- Health Care in the U.S. – First-year seminar (writing intensive)
- Health Care and Health Policy – Lower-level lecture course
- Norms and Normalization – Graduate seminar (MALS co-taught with Amy Allen, Philosophy)
- Organizations in Society – Lower-level seminar course
- Social Problems – Introductory course
- Trust & Society – Upper-level undergraduate seminar course

#### Undergraduate Theses

- Christine Percheski, 2001, “Changing Career Aspirations? Trends among Women and Men of an Ivy League College from 1971 – 1999”
- Maren Winnick, 2002, “Physician Communication, Health Information and Patient Health Literacy”

- Olufunmilola Adedokun, 2003, "American Psycho: Social Construction of Mental Health Disorders in American News Media."
- Jennifer Jaggi, 2003, "Managed Care and the Medical Profession: A Study of the Attitudes of Medical Students and Residents"
- Claribel Vargas, 2003, "The Road to Medical School: The Undergraduate Experience of Underrepresented Minorities"
- Stella Treas, 2005, "The Relation of Embeddedness and Transaction Costs to Executives' Employment Decisions"
- Rebecca Wehrly, 2006, "Constructing the Problem of Lead Poisoning: Divergent Views in Manchester, NH"
- Eric Cruz, 2007, "Social factors and the Management of Adolescent Diabetes"
- Sara del Nido, 2008, "Organizational Orientation: A Study of Mapuche social movement organizations in Chile"
- Sarah Herringer, 2008, "Organics in the mainstream: The creation of an industry or social movement success?"
- Tessa Winter, 2009, "Social Distance and Norm Conflict: The Post-Election Violence and the Social Networks of Kenyan University Students"
- Rembert Browne, 2009, "Upper-Class Black Identity & Social Distancing"

#### Masters in Liberal Studies (MALS) THESIS

Margot Kopp, 2005, "The Evolving Mission of the Public Women's College" MALS Thesis

#### PhD Students

- David Nyweide (2009) "Does Continuity Matter? Measuring the Quality of Ambulatory Care among Chronically Ill Elders in the United States" The Dartmouth Institute for Health Policy & Clinical Practice (Major Advisor)
- Christopher Masone (2008) Computer Science (Secondary)
- Saira Nawaz, The Dartmouth Institute for Health Policy & Clinical Practice (Major Advisor)
- Trafford Crump, The Dartmouth Institute for Health Policy & Clinical Practice (Secondary)

#### PROFESSIONAL MEMBERSHIPS

American Sociological Association  
Eastern Sociological Society  
Health Organization Research Association

#### SERVICE

National:

American Sociological Association

Council Member, Rational Choice Section, 2005 - 2007

Editorial Board Member, Sociology Compass, Blackwell electronic journal

Occasional Reviewer: ASR, AJS, SPQ, R&S, Sociological Forum, JHSB

Reviewer & Panelist:

NSF, Cyber-enabled Discovery and Innovation (CDI) initiative, 2009

Swiss National Science Foundation, external reviewer, 2009

NIH-NIA Program Grant, 2007

NSF, Human and Social Dynamics Program, 2005

Advisory Committees:

Member, Advisory Committee for "Provider and Organizational Norms and Care at End of Life (PONCEL): A Study of Two Hospitals at the Extremes of Resource Utilization at the End of Life NIH R21, Amber Barnato, PI, 2008-present

College:

Research Director, Institute for Security, Technology, & Society (ISTS)  
Member, Committee on Organization and Policy, 2007-2009

Past service:

Member, Committee on Student Life, 2005-2007  
Member, ISTS Faculty Advisory Committee, 2003-2008  
Member, Rockefeller Center Faculty Council, Dartmouth College 2000-2003

Department:

Department Chair, 2007-present  
Member, Senior Faculty Search Committee: 2004-05; 2006-07  
Chair, Post-doctoral Fellow Search Committee: 2005, 2006  
Member, Junior Faculty Search Committee: 2003-2004; 2001-2002  
Colloquium Committee  
Chair, 1999-2001 Member, 2004-2006

RESEARCH AND TEACHING INTERESTS

Collective Action	Economic Sociology
Health Care and Health Policy	Organizations and Institutions
Social Networks/Social Capital	Technology and Society