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Personal	<i>Born 19 July 1961 Mitchell, SD USA</i> Dual Citizenship – USA and Ireland
Education	<i>University of North Carolina at Chapel Hill</i> 1992 - PhD Epidemiology <i>University of North Carolina at Chapel Hill</i> 1989 - MSPH Epidemiology <i>University of Wisconsin</i> 1983 - BS Biology; Minor Chemistry
Academic Appointments	<i>Research Associate Professor – Department of Epidemiology</i> 2011-present University of North Carolina at Chapel Hill <i>Research Assistant Professor – Department of Epidemiology</i> 2003-2010 University of North Carolina at Chapel Hill <i>Adjunct Assistant Professor – Department Epidemiology</i> 1992-2002 University of North Carolina at Chapel Hill
Other Research Positions	<i>Consultant – Department of Epidemiology</i> 2002-2003 University of North Carolina at Chapel Hill <i>Senior Epidemiologist</i> 1999-2002 Epidemiology Research Institute, Boston, MA <i>Director of Clinical Programs</i> 1998-1999 Health Advice Center, RTP, NC <i>Principal Epidemiology Scientist</i> 1996 -1998 GlaxoWellcome, Greenford, United Kingdom <i>Epidemiologist III</i> 1994-1996 Burroughs Wellcome, RTP, NC <i>Epidemiologist II</i> 1992 -1994 Burroughs Wellcome, RTP, NC <i>Research Scientist</i> 1991-1992 Battelle, Washington, DC <i>Epidemiologist/Research Analyst</i> 1990-1991 Westat Inc., Rockville, MD

Epidemiology Research Fellow / Research Technician

1984-1987 Mayo Clinic, Rochester, NC

Teaching Experience

Lead Instructor EPID 750: Fundamentals of Public Health Surveillance

Taught Fall Semesters 2005 – 2012

Spring 2012 Guest Lecturer EPID 889: Methods and Applications of CVD Surveillance

1988 Teaching Assistant EPID 160: Fundamentals of Epidemiology

Student Mentoring

2003 - present GRA Supervisor of 10 PhD and 4 MPH students including practicum supervision

2011 – PhD Dissertation Committee Member Adam Goode

Lumbar Spine Individual Radiographic Features and Osteoarthritis Biomarkers

1998 – PhD Dissertation Committee Member Lisa Pastore

Urinary Tract Infection After 20 Weeks Gestation

Honors

- 1994 Burroughs Wellcome Outstanding Achievement
- 1992 Delta Omega Public Health Honor Society Member
- 1991 Society for Epidemiology Research Student Workshop Participant
- 1991-1992 Public Health Service Epidemiology Trainee
- 1988-1990 National Cancer Institute Epidemiology Trainee
- 1990 UNC School Public Health Student Award for Outstanding Service
- 1989 National Cancer Institute Histopathobiology Workshop Participant
- 1983 Graduated *summa cum laude*

Peer Reviewed Journal Articles

59. DeWalt DA, Thissen D, Stucky BD, DeWitt EM, **Irwin DE**, Lai JS, Yeatts K, Gross, H, Taylor O, Varni JW. PROMIS Pediatric Social Relationships Scale: Development of a pediatric peer relationships item bank as part of social health measurement for the Patient Reported Outcomes Measurement Information System (PROMIS). Manuscript accepted for publication *Health Psych* 2012

58. Goode AP, Marshall SW, Kraus VB, Renner JB, **Irwin DE**, Carey TS, Strumer T, Jorden JM. Association between serum and urine biomarkers and lumbar spine individual radiographic features: The Johnston County Osteoarthritis Project. Manuscript accepted for publication *Osteoarthritis and Cartilage* 2012.

57. Goode AP, Marshall SW, Kraus VB, Renner JB, Carey TS, **Irwin DE**, Strumer T, Jorden JM. Prevalence, frequencies and associations between lumbar spine individual radiographic features and demographic, clinical, and radiographic knee, hip and hand osteoarthritis: The Johnston County Osteoarthritis Project. Manuscript accepted for publication *Arthritis Care and Research* 2012.
56. **Irwin DE**, Gross HE, Stucky BD, Thissen D, DeWitt EM, Lai JS, Amtmann D, Khastou L, Varni JW, DeWalt DA. Development of Six PROMIS Parent Proxy-Report Item Banks. *Health Qual Life Outcomes* 2012 Feb 22;10:22. PMID 22357192. PMCID PMC3312870.
55. McGraw SA, Wood-Nutter CA, Solomon MZ, Maschke KJ, Bensen JT, **Irwin DE**. Clarity and Appeal of a Multimedia Informed Consent Tool for Biobanking. Manuscript accepted for publication *IRB: Ethics and Human Research* 2012 Jan-Feb;34(1):9-19. PMID: 22338402.
54. Varni JW, Thissen D, Stucky BD, Liu Y, Gorder H, **Irwin DE**, DeWitt EM, Lai JS, Amtmann D, DeWalt DA. PROMIS Parent Proxy Report Scales: An Item Response Theory Analysis of the Parent Proxy Report Item Bank. *Qual Life Res* 2011 Oct 5 [epub ahead of print].
53. **Irwin DE**, Stucky BD, Langer MM, Thissen D, DeWitt EM, Lai JS, Varni JW, Yeatts K, DeWalt DA. PROMIS Pediatric Anger Scale: An Item Response Theory Analysis. *Qual Life Res* 2011 July 22 [epub ahead of print].
52. Thissen D, Varni JW, Stucky BD, Liu Y, **Irwin DE**, DeWalt DA. Using the PedsQL 3.0 Asthma Module to Obtain Scores Comparable with those of the PROMIS Pediatric Asthma Impact Scale (PAIS). *Qual Life Res* 2011 ;20(9):1497-1505.
51. **Irwin DE**, Kopp Z, Agatep B, Milsom I, Abrams P. Worldwide Prevalence Estimates of Lower Urinary Tract Symptoms, Overactive Bladder, Urinary Incontinence, and Bladder Outlet Obstruction. *BJU International* 2011; 108(7):1132-1138.
50. DeWitt EM, Stucky BD, Thissen D, **Irwin DE**, Varni JW, Lai JS, Yeatts KB, DeWalt DA. Construction of PROMIS Pediatric Physical Function Scales: Built using Item Response Theory. *J Clin Epi* 2010 ;64(7):794-804.
49. **Irwin DE**, Milsom I, Chancellor MB, Kopp Z, Guan Z. Dynamic Progression of Overactive Bladder and Urinary Incontinence Symptoms: A Systematic Review. *Eur Urol.* 2010; 58(4):532-543.
48. Malmsten UGH, Molander U, Norlén LJ, **Irwin DE**, Milsom I. Urinary Incontinence, Overactive Bladder and Other Lower Urinary Tract Symptoms: A Longitudinal Population-based Survey in Men aged 45-103 years. *Eur Urol.* 2010; 58(1):149-156.
47. Varni JW, Stucky BD, Thissen D, DeWitt EM, **Irwin DE**, Lai, JS, Yeatts K, DeWalt DA. PROMIS Pediatric Pain Impact Scale: An Item Response Theory Analysis of the Pediatric Pain Item Bank. *J Pain.* 2010 11(11):1109-1119.
46. **Irwin DE**, Stucky BD, Thissen D, DeWitt EM, Lai JS, Yeatts K, Varni JW, DeWalt DA. Sampling Plan and Patient Characteristics of the PROMIS Pediatrics Large-Scale Survey. *Quality of Life Research* 2010; 19(4) 585-594.

45. **Irwin DE**, Stucky BD, Langer MM, Thissen D, DeWitt EM, Lai JS, Varni JW, Yeatts K, DeWalt DA. An Item Response Analysis of the Pediatric PROMIS Anxiety and Depressive Symptoms Scales. *Quality of Life Research* 2010; 19(4) 595-607.
44. K Yeatts, Stucky BD, D Thissen, **Irwin DE**, JW Varni, EM DeWitt, JS Lai, DA DeWalt. Item-analysis of the Pediatric Asthma Impact Scale (PAIS) for the Patient Reported Outcomes Measurement Information System (PROMIS). *Journal of Asthma* 2010 47:295-302.
43. Ledger W, Wiebinga C, Anderson P, **Irwin DE**, Holman A, Lloyd A. Cost and Outcomes Associated with In-Vitro Fertilisation Using Recombinant Follicle Stimulating Hormone. *Reproductive Biomed Online* 2009 19:(3) 337-342.
42. **Irwin DE**, Milsom I, Kopp Z, Abrams P, Artibani W, Herschorn S. Prevalence, Severity, and Symptom Bother of Lower Urinary Tract Symptoms Among Men in the EPIC Study: Impact of Overactive Bladder. *Euro Urol* 2009 56:(1) 14-20.
41. Coyne KS, Sexton CC, Kopp ZS, Luks S, Grosse A, **Irwin DE**, Milsom I, for the EpiLUTS Team. Rationale for the Study Methods and Design of EpiLUTS. *BJU Int* 2009 104(3):348-351.
40. Coyne KS, Sexton CC, Milsom I, **Irwin DE**, Kopp ZA, Chapple CR, Kaplan SA, Tubaro A, Thompson C, Aiyer LP, Wein A. The Prevalence of Lower Urinary Tract Symptoms in the United States, the United Kingdom, and Sweden: Results from EpiLUTS. *BJU Int* 2009 104(3):352-360.
39. Kaplan SA, Roehrborn CG, Chapple CR, Rosen RC, **Irwin DE**, Kopp Z, Aiyer L, Mollon P. Implications of Recent Epidemiology Studies for the Clinical Management of Lower Urinary Tract Symptoms. *BJU Int.* 2009 103:(S3) 12-23..
38. Sexton CC, Coyne KS, Kopp ZS, **Irwin DE**, Milsom I, Aiyer L, Tubaro A, Chapple CR, Wein A, on behalf of the EpiLUTS Team. The Overlap of Storage, Voiding, and Post-micturition Symptoms and Implications for Treatment Seeking in the United States, United Kingdom, and Sweden: EpiLUTS. *BJU Int* 2009 103:(S3) 48-57.
37. **Irwin DE**, Yeatts K, Varni J, DeWalt DA. Cognitive Interviewing Methodology in the Development of a Pediatric Item Bank: A Patient Reported Outcomes Measurement Information System (PROMIS) Study. *Health and Quality of Life Outcomes* 2009; 7(3) 1-10.
36. Sexton CC, Coyne KS, Kopp ZS, **Irwin DE**, Wein A. Impact of Overactive Bladder on Work Productivity in the United States: Results from EpiLUTS. *AJMC* 2009; 15(4)S98-S107.
35. **Irwin DE**, Mungapen L, Milsom I, Kopp Z, Reeves P, Kelleher C. The Economic Impact of Overactive Bladder Syndrome in Six Western Countries. *BJU Int.* 2009;103:202-209.
34. Broadway C, Coyne K, **Irwin DE**, Kopp Z. A Call to Action for Nurses: Lower Urinary Tract Symptoms in Women - A Common But Neglected Problem. *JAANP* 2008; 20(6):311-318.
33. **Irwin DE**, Milsom I, Kopp Z, Abrams P. Symptom Bother and Health Care Seeking Behavior Among Individuals with Overactive Bladder: Results from the EPIC Study. *Eur Uol.* 2008;53(5):1029-1039.

32. Coyne KS, Matza LS, Kopp ZS, Thompson C, Henry D, **Irwin DE**, Artibani W, Herschorn S, Milsom I. Examining Lower Urinary Tract Symptom Constellations using Cluster Analysis. *BJU Int.* 2008;101:1267-1273.
31. **Irwin DE**, Milsom I, Kopp Z, Abrams P. Understanding the Elements of Overactive Bladder: Questions Raised by the EPIC Study. *BJU Int.* 2008;101:1381-1387.
30. Coyne KS, Sexton CC, **Irwin DE**, Kopp Z, Kelleher CJ, Milsom I. The Impact of Overactive Bladder, Incontinence and Other Lower Urinary Tract Symptoms on Quality of Life, Work Productivity, Sexuality and Emotional Well-being in Men and Women: Results from the EPIC Study. *BJU Int.* 2008;101:1388-1395.
29. **Irwin DE**, Mungapen L, Milsom I, Kopp Z, Reeves P, Kelleher C. The Economic Impact of Overactive Bladder Syndrome in Six Western Countries. *BJU Int.* 2009;103(2):202-209.
28. Walsh TR, Irwin DE, Meier A, DeWalt DA. The use of focus groups in the development of the PROMIS Pediatric Item Bank. *Qual Life Res.* 2008;17(5):725-735.
27. Castel L, Williams K, Bosworth H, Eisen S, Han E, **Irwin DE**, Kelly M, Morse J, Stover A, DeWalt D, DeVellis R. Content Validity in the PROMIS Social health domain: a qualitative analysis of focus group data. *Qual Life Res.* 2008;17(5):737-749.
26. Korelitz JJ, Zito JM, Masters MN, McNally D, Xu Y, Bethel J, Gavin NI, **Irwin DE**, Zajicek A, Kelleher K, Rubin J, Mattison DR. Use of Asthma-Related Medications among Children in the United States. *Annals of Allergy, Immunology and Asthma* 2008;100(3):222-229.
25. **Irwin DE**, Milsom I, Reilly K, Hunskar S, Kopp Z, Herschorn S, Coyne KS, Kelleher CJ, Artibani W, Hampel C, Abrams P. Overactive Bladder Is Associated With Erectile Dysfunction and Reduced Sexual Quality of Life in Men. *J Sexual Med.* 2008;5:2904-2910.
24. Milsom I and **Irwin DE**. A Cross-Sectional, Population-Based, Multinational Study of the Prevalence of Overactive Bladder and Lower Urinary Tract Symptoms: Results From the EPIC Study. *Eur Urology* 2007;6(1):4-9.
23. **Irwin DE**, Milsom I, Kopp Z, Abrams P, Cardoza L, Thuroff J, Roberts R, Wein A. Impact of Overactive Bladder Symptoms on Employment and Emotional Well-being in Six European Countries. *BJU Int* Jan 2006; 97(1):96-100.
22. Reeves P, **Irwin DE**, Lloyd A, Milsom I, Kopp Z. The Current and Future Burden and Cost of Illness of Overactive Bladder in Six European Countries. *Eur Urology* 2006;Nov.50(5):1050-1057.
21. **Irwin DE**, Milsom I, Hunskar S, Reilly K, Kopp Z, Herschorn S, Coyne K, Kelleher C, Hampel C, Artibani W, Abrams A. Population-Based Survey of Urinary Incontinence, Overactive Bladder and Other Lower Urinary Tract Symptoms in Five Countries: Results of the EPIC Study. *Eur Urology* 2006;50:1306-1315.
20. Myers MF, Chang M, Jorgensen C, Whitworth W, Kassim S, Litch JA, Armstrong L, Bernhardt B, Faucett WA, **Irwin DE**, Mouchawar J, Bradley LA. Genetic Testing for Susceptibility to Breast and Ovarian Cancer: Evaluating the Impact of Direct-to-Consumer Marketing Campaign on Physicians' Knowledge and Practices. *Genetics in Medicine* 2006; 8(6):361-370.

19. **Irwin DE**, Zuiker E, Rahrkra-Burris T, Millikan R. Review of State Comprehensive Cancer Control Plans for Genomics Content. *Preventing Chronic Diseases* 2005;2(2):A08.
18. Thomas J, **Irwin DE**, Zuiker E, Millikan R. Genomics and Public Health Ethics.; *AJPH* 2005;95(12):2139-2143.
17. **Irwin DE**, Millikan R, Stevens R, Roche M, Rahrkra-Burris T, Davis M, Mahanne E, Duckworth S, Whiteside HP. Genomics and Public Health Practice: A Survey of Nurses in Local Health Departments in North Carolina. *J of Public Health Management and Practice* 2004;10(6):539-545.
16. Morris S, Anderson P, **Irwin DE**. Acute Exacerbations of Chronic Bronchitis: a PharmacoEconomic Analysis of Antibacterial Use. *PharmacoEconomics* 2002; 20(3):153-168.
15. **Irwin DE**, Weatherby LB, Huang WY, Rosenberg DM, Cook SF, Walker A. Impact of Patient Characteristics on the Risk of Influenza-Related Complications. *BMC Health Services Research* 2001;1:8 21 Aug 2001.
14. McGuire A, **Irwin DE**, Fenn P, Gray A, Anderson P, Lovering A, and McGowan A. The Excess Cost of Acute Exacerbations in Chronic Bronchitis in the over 45 year old Population of England and Wales. *Value in Health* 2001;4:5:370-375.
13. Lovering AM, MacGowan AP, Brown I, Anderson P and **Irwin DE**. Hospital Referral and Outcome for Community-Acquired Lower Respiratory Tract Infection or Illness. *Clinical Microbiology and Infection* 2001;7:666-670.
12. Davey PG, McMahon AD, White G, **Irwin DE**, Anderson P, Morris AM, MacDonald TM. The Influence of Prior Antibiotic Treatment, Co-Morbidity and Age on Costs of Hospitalization for Acute Exacerbations of Chronic Obstructive Airways Disease. *Value in Health*, 1999;2:5:333-341.
11. **Irwin DE**, Thomas J, Spitters C, Leone P, Stratton J, Martin M, Zenilman J, Schwebke J, Hook E, Self-Reported Sexual Activity and Condom Use Among Symptomatic Clients Attending STD Clinics. *Sexually Transmitted Diseases*, 1999;26:5:1-5.
10. Pastore LM, Savitz DA, Thorp JM, Koch GG, Hertz-Picciotto I, **Irwin DE**. Predictors of Symptomatic Urinary Tract Infection After 20 Weeks Gestation, *J of Perinatology* 1999;19:7:488-493.
9. Johnson RE, Mullooly JP, Valanis BG, **Irwin DE**. Utilization and Safety of Oral Acyclovir over an 8-Year Period. *Pharmacoepidemiology and Drug Safety*, 1997;6:101-113
8. **Irwin DE**, Thomas J, Leone P, Spitters C, Stratton J, Martin D, Zenilman J, Schwebke J, Hook E. Self-Treatment Patterns Among Public Health Clients Attending Sexually Transmitted Disease (STD) Clinics and the Effect of Self-Treatment on STD Symptom Duration. *Sexually Transmitted Diseases*, 1997;24:6:372-377.
7. **Irwin DE**, Savitz DA, Bowse W, St. Andre KA. Racial, Age and Cesarean Delivery in a Military Population. *Obstetrics and Gynecology*, 1996;88:4:530-533.

6. **Irwin DE**, Savitz DA, St. André KA, Hertz-Picciotto I. A Study of Occupational Risk Factors for Pregnancy-Induced Hypertension Among Active Duty Enlisted Navy Personnel. *American Journal Industrial Medicine*, 1994;25:349-359.
5. **Irwin DE**, Savitz DA, Hertz-Picciotto I, St. Andre KA. Black/White Differences in Pregnancy-Induced Hypertension Risk in a Military Population. *AJPH*, 1994;84:1508-1510.
4. Revicki DA, **Irwin DE**, Reblando J, Simon G. The Accuracy of Self-Reported Disability Days, *Medical Care*, 1994;32:401-404.
3. Halpern MT, **Irwin DE**, Brown R, Clouse J, Hatzianandreu E. Patient Adherence to Prescribed Potassium Supplements Therapy; *Clinical Therapeutics*, 1993;15:1133-1145.
2. McCann MF, **Irwin DE**, Walton LA, Axlerod C, Hulka BH, Morton JR. Nicotine and Cotinine in Cervical Mucus. *Cancer Epidemiology, Biomarkers & Prevention*, 1992;1:125-129.
1. Pease LR, **Regnerus (Irwin) DE**, Huntley BK, Duran LW. The Relative Contributions of Point Mutations and Gene Conversion-Like Events Toward Polymorphism in the Major Histocompatibility Complex. in H-2 Antigens, Plenum Press Publishing Company, New York, 1987, pp 77-78.

Selected Refereed Conference Abstracts (since 2003)

64. Fakhoury W, Richter H, Christensen T, Thomsen TL, **Irwin DE**, Anderson P. Glycaemic Control and Insulin Utilization in UK Patients with Type 2 Diabetes Initiated on Either Biphasic Insulin Aspart 30 or Biphasic Human Insulin 30. *16th Annual Conference of the International Society for Quality of Life Research*. Atlanta, GA; 2010.
63. Stucky BD , **Irwin DE**, Thissen D, DeWitt EM, Varni JW, La Ji, Yeatts KB, DeWalt DA. Design and Sample Characteristics of the PROMIS Pediatrics Large Scale Survey. In: *16th Annual Conference of the International Society for Quality of Life Research*. New Orleans, LA; 2009.
62. **Irwin DE**, Stucky B, Thissen D, Lai J, DeWitt EM, Varni JW, Yeatts KB, DeWalt DA. Development of the PROMIS Pediatric Emotional Distress Item Banks. In: *16th Annual Conference of the International Society for Quality of Life Research*. New Orleans, LA; 2009.
61. DeWitt EM, Stucky BD, Thissen D, **Irwin DE**, Varni JW, Lai J, Yeatts KB, DeWalt DA. Development and Evaluation of PROMIS Pediatric Physical Function Item Banks. In: *16th Annual Conference of the International Society for Quality of Life Research* New Orleans, LA; 2009.
60. Lai J, Stucky BD, Thissen D, **Irwin DE**, DeWitt EM, Varni JW, DeWalt DA. Development of the PROMIS Pediatric Fatigue Item Bank. In: *16th Annual Conference of the International Society for Quality of Life Research* New Orleans, LA; 2009.
59. DeWitt EM, **Irwin DE**, Thissen D, Stucky B, Varni J, Lai J, Yeatts K, Wilder R, DeWalt D. PROMIS Pediatric Item Banks: Development and Psychometric Analysis. In: *ACR/ARHP Scientific Meeting*. Philadelphia, PA; 2009.

58. Alexander LK, **Irwin DE**, Nelson A, Yeatts KB, Horney JA, Schoenbach VJ. Enhancing interaction in a graduate-level online certificate program in field epidemiology using wikis, blogs, and Web conferencing. *137th APHA Meeting*. Philadelphia, PA; 2009.

57. **Irwin DE**, P Mernagh P, Thompson S, Anderson P, Sawyer W. Cost of Managing Neuropathic Pain with Pregabalin and Gabapentin: A UK Study. In: *Royal College of General Practitioners Conference*, Glasgow, Scotland; 2009.

56. Coyne KS, Sexton C, Kopp Z, Milsom I, Wein A, Thompson C, **Irwin D**, Kaplan S, Aiyer L, Chapple CR, The EpiLUTS Team. The Relationship between LUTS Suggestive of BOO/BPH and Anxiety, Depression and Work Productivity *European Urology Supplements*. 2009;8(4).

55. Malmsten UGH, Milsom I, Molander U, Norlen LJ, **Irwin DE**. Prevalence of Lower Urinary Tract Symptoms: A Prospective Longitudinal Study in Men Aged 45 to 103 Years. *2nd European Congress on the Aging Male*. Budapest, Hungary 2009.

54. Stucky BD, Langer MM, Thissen D, **Irwin DE**, Scanlon K, DeWitt E, Varni J, Burwinkle T, DeWalt DA. Item-analysis of the Social and Emotional Scales of a Pediatric Quality of Life Measure. In: *International Society for Quality of Life Research*. Montevideo, Uruguay; 2008.

53. Castel LD, Williams KA, Bosworth HB, Eisen SV, Hahn EA., **Irwin DE**, Kelly MAR, Morse JQ, Stover AM, DeWalt DA, DeVellis RF. Content validity in the PROMIS social health domain: a qualitative analysis of focus group data. *The Second PROMIS Conference: Improving Measurement of Patient-Reported Outcomes-New Tools and the Science Behind Them*, Bethesda, MD, USA, March 2008.

52. DeVellis RF, Castel LD, Williams KA, Bosworth HB, Eisen SV, Hahn EA, **Irwin DE**, Kelly MAR, Morse JQ, Stover AM, Dewalt DA. Content validity in the PROMIS Social Health Domain: A qualitative analysis of focus group data. *The Second PROMIS Conference: Improving Measurement of Patient-Reported Outcomes-New Tools and the Science Behind Them*, Bethesda, MD, USA March 2008.

51. DeWalt DA, **Irwin DE**, Scanlon K., Langer MM, Stucky BD, Thissen D, Burwinkle TM, Varni JW, Morgan-DeWitt E. PROMIS Pediatrics Project. *The Second PROMIS Conference: Improving Measurement of Patient-Reported Outcomes-New Tools and the Science Behind Them*, Bethesda, MD, USA March 2008..

50. Langer MM, Stucky BD, Thissen D, **Irwin DE**, Scanlon K, DeWalt DA, Burwinkle TM, Varni JW, Morgan-DeWitt E. Progress on a new measure of health-related quality of life for pediatric use: Selected preliminary results from factor-analytic investigations of social quality of life. *The Second PROMIS Conference: Improving Measurement of Patient-Reported Outcomes-New Tools and the Science Behind Them*, Bethesda, MD, USA March 2008.

49. Langer MM, Stucky BD, Thissen D, **Irwin D**, Scanlon K, Morgan-DeWitt E, Varni J, Burwinkle T, DeWalt DA. Progress on a new measure of health-related quality of life for pediatrics: The data sources, analysis plans, and selected preliminary results. *The Second PROMIS Conference: Improving Measurement of Patient-Reported Outcomes-New Tools and the Science Behind Them*, Bethesda, MD, USA March 2008..

48. Stucky BD, Langer MM, Thissen D, **Irwin DE**, Scanlon K, DeWalt DA, Burwinkle TM, Varni JW, Morgan-DeWitt E. Progress on a new measure of health-related quality of life for pediatric use: Selected preliminary results from factor-analytic investigations of emotional quality of life. *The Second*

PROMIS Conference: Improving Measurement of Patient-Reported Outcomes-New Tools and the Science Behind Them, Bethesda, MD, USA March 2008..

47. Malmsten U, Milsom I, Molander U, **Irwin DE**. Overactive Bladder Symptoms and Health Related Quality of Life. A Prospective Longitudinal Study in Men Aged 45 to 103 Years. *International Continence Society*. Cairo, Egypt 2008.

46. Malmsten U, Milsom I, Molander U, **Irwin DE**. Prevalence of Lower Urinary Tract Symptoms. An Epidemiological Study in Men, Aged 46 To 103 Years. *International Continence Society*. Cairo, Egypt 2008.

45. McEwan P, Morgan C, **Irwin DE**, Asukai Y, Gasper S. The Economic and Service Impact of Invasive Candidiasis in the UK. In: *European Congress of Clinical Microbiology and Infectious Diseases*, Barcelona, Spain; 2008.

44. **Irwin DE**, Khullar V, Kopp Z, Irwin D, Milsom I, Keller C. Gender Differences in the Prevalence of Chronic Constipation in Individuals with and Without Overactive Bladder Symptoms: Results from the EPIC Study. *Int Urogynecol J*. 2008; 19: S153.

43. Coyne K, Sexton C, Kopp Z, **Irwin DE**, Milsom I, Aiyer L, Tubaro A, Chapple C, Wein A on behalf of the EpiLUTS Team. Assessing the Prevalence and Bother of Lower Urinary Tract Symptoms in the United States, the United Kingdom, and Sweden: EpiLUTS. In: *4th International Consultation on Incontinence 2008 (ICI)*. Paris, France; 2008.

42. Coyne K, Sexton C, Kopp Z, **Irwin DE**, Milsom I, Aiyer L, Tubaro A, Chapple C, Wein A on behalf of the EpiLUTS Team. The Impact of LUTS on HRQL, Anxiety, Depression and Treatment Seeking. In: *4th International Consultation on Incontinence 2008 (ICI)*. Paris, France; 2008.

41. Kopp Z, **Irwin DE**, Agatep B, Milsom I, Abrams, P. Worldwide Estimates of Current and Future Individuals (> 20 years) With Lower Urinary Tract Symptoms Including Urinary Incontinence and Overactive Bladder. In: *4th International Consultation on Incontinence 2008 (ICI)*. Paris, France; 2008.

40. Coyne KS, Sexton C, Kopp Z, Thompson C, **Irwin DE**, Milsom I, and the EpiLUTS Working Group. The Impact of Lower Urinary Tract Symptoms on Men's Sexual Health: Results from EpiLUTS. . *J. Urol*. 2008;179(4):361.

39. Coyne KS, Sexton C, Kopp Z, Thompson C, **Irwin DE**, Milsom I, and the EpiLUTS Working Group. The Impact of Lower Urinary Tract Symptoms on Women's Sexual Health: Results From the EpiLUTS Study. *J. Urol*. 2008;179(4):536.

38. Coyne KS, Sexton C, Kopp Z, **Irwin DE**, Milsom I, Aiyer L, Tubaro A, Chapple C, Wein A, on behalf of the EpiLUTS Team. The Prevalence, Bother, and Overlap of LUTS in the US, UK, and Sweden: EpiLUTS. *Eur Urol Suppl*. 2008;7:238.

37. Coyne KS, Sexton C, Kopp Z, Thompson C, **Irwin DE**, Milsom I, Chapple C, Tubaro A, Wein A, EpiLUTS Working Group. The Impact of Lower Urinary Tract Symptoms on Women's Sexual Health: Results From the EpiLUTS Study. *J Sex Med*. 2008;5(suppl 3):161.

36. Coyne KS, Sexton C, Kopp Z, Thompson C, **Irwin DE**, Milsom I, Chapple C, Tubaro A, Wein A, EpiLUTS Working Group. The Prevalence of Sexual Activity and Sexual Desire in Women: Results from EpiLUTS. *J Sex Med.* 2008; 5(suppl 3):168.
35. Malmsten UGH, Milsom I, Molander U, Norlen LJ, **Irwin DE**. The Progression of Overactive Bladder Symptoms: A Prospective Longitudinal Study in Men Aged 45 to 103 Years. *6th World Congress on the Aging Male.* Tampa, FL 2008.
34. Malmsten UGH, Milsom I, Molander U, Norlen LJ, **Irwin DE**. The Progression of Nocturia: A Prospective Longitudinal Study in Men Aged 45 to 103 Years. *6th World Congress on the Aging Male.* Tampa, FL 2008.
33. Holman A, Ledger W, Reka H, **Irwin DE**, Anderson P, Wiebinga C, Lloyd A. Costs and Outcomes associated with In Vitro Fertilisation (IVF) or Intracytoplasmic Sperm Injection (ICSI) using Recombinant Follicle Stimulating Hormone (rFSH). *Value in Health.* 2008; 11(6): A362-A659.
32. Malmsten UGH, Milsom I, Molander U, Norlén LJ, **Irwin DE**. The Progression of Overactive Bladder Symptoms: A Prospective Longitudinal Study in Men Aged 45 to 103 Years. *International Continence Society* Rotterdam, Netherlands 2007.
31. **Irwin DE**, Milsom I, Kopp Z, Herschorn, Artibani W. Understanding Symptom Bother Caused by Overactive Bladder and Other Lower Urinary Tract Symptoms From a Population Perspective. International Continence Study (ICS). *Neurourology & Urodynamics.* 2007;26(5):595.
30. **Irwin DE**, Milsom I, Kopp Z, Herschorn, Artibani W. Comorbidities Associated with Overactive Bladder. International Continence Study (ICS). *Neurourology & Urodynamics.* 2007;26(5):595.
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Service

Committee Memberships

- 2012 – present Lineberger Data and Biospecimen Repository Sharing Committee Member
- 2012 - Epidemiology and Natural History of Lower Urinary Tract Symptoms among Men Committee Member International Consultation on Urological Disease Fukuoka, Japan
- 2012 – present PROMIS Manuscript Review Committee

- 2011 – present ARIC Cancer Work Group Member
- 2011 – present UNC HealthCare Common Data Elements Work Group Member
- 2007 – present NC State Health Dept. Cancer Survivorship Work Group Member
- 2009-2010 UNC Epidemiology Chair Advisory Committee Member

Grant Reviews – NIH Study Section

- 2011 – Study Section NCI *ad hoc* P01 Review Committee
- 2009 - Study Section NIDDK *ad hoc* Review Committee

Invited Speaker Presentation

- 2010 – International Workshop for Cancer Survivorship Cohort Studies
Keynote Speaker; National Cancer Center, Seoul Korea

Editorial Board

- 2011 – present Epidemiology and Outcomes Section Editor BMC Urology

Journal Reviews

- JAMA
- British Medical Journal
- British Journal of Medicine and Medical Research
- Annals of Epidemiology
- Social Science in Medicine
- Preventing Chronic Disease
- Clinical Interventions in Aging
- PharmacoEconomics
- Value in Health
- Neurology and Urodynamics
- Journal of Urology
- Disability and Rehabilitation
- Urology
- The Aging Male
- BMC Family Practice
- American Journal of Tropical Medicine and Public Health
- Journal of Clinical Epidemiology
- Canadian Urological Association Journal
- BMC Health Services
- European Urology
- World Journal of Clinical Urology
- British Journal of Urology
- Quality of Life Research

Volunteer Activities

- 2009-present Cancer Support Peer Connect Counseling Program
Cornucopia House – Peer Counselor
- 2007-2008 UNC-Chapel Hill Womentoring Program – Faculty Mentor

