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PROFESSIONAL EXPERIENCE

2011-present Senior Research Investigator, Statistician, HealthPartners Institute
2003-2008 Manager, Research Methodology Group, HealthPartners Research Foundation
2001-2011 Research Investigator, Statistician, HealthPartners Research Foundation
2001 Adjunct Instructor, College of St. Catherine, St. Paul MN
1998-2001 Research Associate, Department of Psychology, University of Minnesota
1995-1998 Research Associate, Department of Psychology, University of Kansas
1992-1995 Graduate Research Assistant, Department of Psychology, University of Kansas
1990-1992 Graduate Instructor, Department of Psychology, University of California, Santa Cruz

EDUCATION

PhD Social Psychology 1996, University of Kansas, Lawrence, Kansas
MS Social Psychology 1992, University of California, Santa Cruz, California
BA Psychology 1990, University of Kansas, Lawrence, Kansas

AWARDS AND HONORS

2010 Researcher of the Year, HealthPartners Research Foundation, Minneapolis, Minnesota
1995 Dissertation Research Award, American Psychological Association
1991 Graduate Division Research Fellowship, University of California, Santa Cruz

FUNDED RESEARCH (Ongoing or completed in the last 3 years)

Clinical Decision Support for Opiate Use Disorders in Medical Settings: Pilot Usability Testing in an EMR (COMPUTE). Funded total costs \$1,370,599 for 2 years. National Institute on Drug Abuse UG1DA040316 – Co-Investigator / Statistician (PI: Gavin Barb, MD, PhD); 2017

Can the CV Wizard Tool Impact Guideline-based CVD Care in the Safety Net? Funded total costs \$1,100,169 for 5 years, National Heart, Lung and Blood Institute R01HL133793 – Co-Investigator / Statistician (PI: Rachel Gold, PhD, MPH); 2017

Early Environmental Stressors and Emerging Cardiometabolic Risk. Funded total costs \$2,456,070 for 4 years, National Institute of Child Health and Human Development R01HD090059 – Co-Investigator / Statistician (PI: Alicia Kunin-Batson, PhD); 2016

Pragmatic Trial Comparing Telehealth Care and Clinic-based Care for Uncontrolled High Blood Pressure (Hyperlink-3). Funded total costs \$6,573,639 for 5 years, Patient Centered Outcomes Research Institute HIS150731146 – Co-Investigator/Statistician (PI: Karen Margolis, MD); 2015

Reducing CV Risk in Prediabetes Patients Using EHR-Based Decision Support. Funded total costs \$2,865,273 for 5 years, National Heart Lung and Blood Institute R01HL128614 – Co-Investigator/Statistician (PI: Jay Desai, PhD); 2015.

Healthy Kids after Cancer: A Physical Activity and Nutrition Intervention. Funded total costs \$ for years, National Cancer Institute R21CA182727 – Co-Investigator (PI: Alicia Kunin-Batson, PhD); 2014.

A Randomized Clinical Trial to Reduce Cardiovascular Risk in Adults with SMI. Funded total costs \$1,271,506 for 5 years, National Institute of Mental Health U19MH092201 – Co-Investigator (PI: Rebecca Rossom, MD); 2014.

Evaluating Options for Non-Responders: A SMART Approach to Enhancing Weight Loss. Funded total costs \$1,477,079 for 5 years, National Cancer Institute R01CA188892 – Co-Investigator (PI: A. Lauren Crain, PhD); 2014.

Home Blood Pressure Telemonitoring and Case Management to Control Hypertension. Funded total costs \$815,148 for 3 years, National Heart Lung and Blood Institute R01HL090965 – Co-Investigator (PI: Karen Margolis, MD); 2013.

Care Management of Mental and Physical Comorbidities: A Triple Aim Bullseye (COMPASS). Funded total costs \$1,557,609 for 3 years, Centers for Medicare and Medicaid Services 1C1CMS331048 – Co-Investigator (PI: Sanne Magnan); 2012

EHR-Based Clinical Decision Support to Improve BP Management in Adolescents. Funded total costs \$2,093,362 for 5 years, National Heart Lung and Blood Institute R01HL115082 – Co-Investigator (PI: Elyse Kharbanda, MD); 2012

Prioritized Clinical Decision Support to Reduce Cardiovascular Risk (Priorities). Funded total costs \$2,762,003 for 6 years, National Heart, Lung and Blood Institute 1R01HL102144 - Statistician (PI: Patrick O'Connor, MD); 2010

Minnesota Center for Childhood Obesity Prevention: Linking Primary Care, Community & Family. Funded site-specific total costs \$882,149 for 7 years, National Institute of Child Health and Human Development U01HD068890 – Site PI (Co-PI: Nancy Sherwood, PhD); 2010.

Healthy Homes/Healthy Kids: Pediatric Primary Care-base Obesity Prevention. Funded total costs \$3,456,728 for 5 years, National Institute of Diabetes and Digestive and Kidney Diseases, 1R01DK084475 – Statistician (PI: Nancy Sherwood, PhD); 2009.

FUNDED RESEARCH (Prior to 3 years ago)

Evaluating Statewide Transformation of Primary Care to Medical Homes. Funded total costs \$396,754,127 for 2 years, Agency for Healthcare Research and Quality R18HS019161 – Co-Investigator (PI: Leif Solberg, MD); 2010.

Linking Home Environments and Primary Care: Obesity prevention for 2-5 year olds. Funded total costs \$274,979 for 2 years, National Institute of Diabetes and Digestive and Kidney Diseases 1R21DK078239 - Co-Investigator (PI: Nancy Sherwood, PhD); 2009.

Propagating the Uniform Research Integrity Climate Assessment (U-RICA). Funded total costs \$299,899 for 3 years, National Center for Research Resources 1R21RR025279 - Co-Investigator – (PI: Brian Martinson, PhD); 2008.

Women's Physical Activity & Eating Habits: The Influence of Work-Family Balance. Funded total costs \$395,547 for 3 years, National Institute of Child Health and Human Development 1R01HD056360 – Statistician (PI: Joseph Grzywacz, PhD); 2008.

DIAMOND Study: Evaluation of a Natural Experiment to Improve Statewide Depression Care in Minnesota. Funded total costs \$2,276,073 for 6 years, NIMH/NIH/DHHS R01MH080692 – Co-

Investigator/Statistician (PI: Leif Solberg, MD); 2007.

Novel Approaches to Weight Loss Maintenance (Keep It Off). Funded total costs \$1,258,004 for 6 years, National Cancer Institute 1R01CA128211 – Co-Investigator (PI: Nancy Sherwood, PhD); 2006.

Procedural Justice, Identity, and Research Integrity. Funded total costs \$333,752 for 2 years, National Institute of Neurological Disorders and Stroke R01NS052885 – Statistician (PI: Brian Martinson, PhD); 2005.

Reciprocal Relationships between Diabetes and Depression. Funded total costs \$877,070 for 5 years. National Institute of Diabetes and Digestive and Kidney Diseases 1R01DK066050 – Statistician (PI: Patrick O'Connor, MD); 2004.

Maintaining Physical Activity in Older MCO Members (Keep Active Minnesota). Funded total costs \$1,792,299 for 6 years. National Institute on Aging R01AG023410 – Co-Investigator (PI: Brian Martinson, PhD); 2003.

Reducing clinical inertia in diabetes care. National Institute of Diabetes and Digestive and Kidney Diseases 1R01DK068314 – PI: Patrick O'Connor, MD); 2003.

PUBLICATIONS (Reverse Chronological Order)

1. ***Crain AL**, Sherwood NE, Martinson BC, Jeffery RW. Mediators of weight loss maintenance in the Keep It Off Trial. *Ann Behav Med*. 2017 May 15. doi:10.1007/s12160-017-9917-x PubMed PMID: 28508330. PubMed Central PMCID: PMC5685932.
2. *Sperl-Hillen, J, Margolis, K, **Crain L**. Risk and benefit information and use of aspirin. *JAMA Internal Medicine*. 2017 Feb 1; 177(2). 291. PubMed PMID: 28166337.
3. *Whitebird RR, Solberg LI, **Crain AL**, Rossom RC, Beck A, Neely C, Dreskin M, Coleman KJ. Clinician burnout and satisfaction with resources in caring for complex patients. *Gen Hosp Psychiatry*. 2017 Jan - Feb;44:91-95. doi:10.1016/j.genhosppsy.2016.03.004. PubMed PMID: 27432586.
4. *Rossom RC, Solberg LI, Magnan S, **Crain AL**, Beck A, Coleman KJ, Katzelnick D, Williams MD, Neely C, Ohnsorg K, Whitebird R, Brandenfels E, Pollock B, Ferguson R, Williams S, Unützer J. Impact of a national collaborative care initiative for patients with depression and diabetes or cardiovascular disease. *Gen Hosp Psychiatry*. 2017 Jan-Feb;44:77-85. doi: 10.1016/j.genhosppsy.2016.05.006. PubMed PMID: 27558106.
5. Solberg LI, Ferguson R, Ohnsorg KA, **Crain AL**, Williams MD, Ziegenfuss JY, Boggs JM, Neely C, Brooks L, Molitor BA, Monkman J, Coughlin M. The challenges of collecting and using patient care data from diverse care systems: lessons from COMPASS. *Am J Med Qual*. 2016 Oct 16 [epub ahead of print].
6. Whitebird RR, Solberg LI, **Crain AL**, Rossom RC, Beck A, Neely C, Dreskin M, Coleman KJ. Clinician burnout and satisfaction with resources in caring for complex patients. *Gen Hosp Psychiatry*. 2017 Jan - Feb;44:91-95. doi: 10.1016/j.genhosppsy.2016.03.004. PubMed PMID: 27432586.
7. Rossom RC, Solberg LI, Parker ED, **Crain AL**, Whitebird R, Maciosek M, Molitor B, Trangle M, Unützer J. A statewide effort to implement collaborative care for depression: reach and impact for all patients with depression. *Med Care*. 2016 Nov;54(11):992-997. PubMed PMID: 27479596; PubMed Central PMCID: PMC5065378.
8. Rossom RC, Solberg LI, Vazquez-Benitez G, **Crain AL**, Beck A, Whitebird R, Glasgow RE. The effects of patient-centered depression care on patient satisfaction and depression

- remission. *Fam Pract*. 2016 Dec;33(6):649-655. PubMed PMID: 27535330; PubMed Central PMCID: PMC5161489.
9. Rossom RC, Solberg LI, Vazquez-Benitez G, Whitebird RR, **Crain AL**, Beck A, Unützer J. Predictors of poor response to depression treatment in primary care. *Psychiatr Serv*. 2016 Dec 1;67(12):1362-1367. PubMed PMID: 27417890; PubMedCentral PMCID: PMC5133141.
 10. Sherwood NE, Butryn ML, Forman EM, Almirall D, Seburg EM, **Crain AL**, Kunin-Batson AS, Hayes MG, Levy RL, Jeffery RW. The BestFIT trial: A SMART approach to developing individualized weight loss treatments. *Contemp Clin Trials*. 2016 Mar;47:209-16. PubMed PMID: 26825020; PubMed Central PMCID: PMC4941634.
 11. Kunin-Batson AS, Seburg EM, **Crain AL**, Jaka MM, Langer SL, Levy RL, Sherwood NE. Household factors, family behavior patterns, and adherence to dietary and physical activity guidelines among children at risk for obesity. *J Nutr Educ Behav*. 2015 May-Jun;47(3):206-215.e1. PMCID: PMC4428928.
 12. Senso MM, Trost SG, **Crain AL**, Seburg EM, Anderson JD, Sherwood NE. Activity patterns of preschool-aged children at risk for obesity. *J Phys Act Health*. 2015 Jun;12(6):861-8. PubMed PMID: 25133750; PubMed Central PMCID: PMC4329288.
 13. Sherwood NE, JaKa MM, **Crain AL**, Martinson BC, Hayes MG, Anderson JD. Pediatric primary care-based obesity prevention for parents of preschool children: a pilot study. *Child Obes*. 2015 Dec;11(6):674-82. PubMed PMID: 26478951; PubMed Central PMCID: PMC4677530.
 14. Solberg LI, **Crain AL**, Maciosek MV, Unützer J, Ohnsorg KA, Beck A, Rubenstein L, Whitebird RR, Rossom RC, Pietruszewski PB, Crabtree BF, Joslyn K, Van de Ven A, Glasgow RE. A stepped-wedge evaluation of an initiative to spread the collaborative care model for depression in primary care. *Ann Fam Med*. 2015 Sep;13(5):412-20. PubMed PMID: 26371261; PubMed Central PMCID: PMC4569448.
 15. Solberg LI, Stuck LH, **Crain AL**, Tillema JO, Flottesmesch TJ, Whitebird RR, Fontaine PL. Organizational factors and change strategies associated with medical home transformation. *Am J Med Qual*. 2015 Jul-Aug;30(4):337-44. PubMed PMID: 24788251.
 16. Beck AL, **Crain AL**, Solberg LI, Unützer J, Maciosek MV, Whitebird RR, Rossom RC. The effect of depression treatment on work productivity. *Am J Manag Care*. 2014 Aug;20(8):e294-e301. PMCID: PMC4214368.
 17. Grzywacz JG, **Crain AL**, Martinson BC, Quandt SA. Job Design and Ethnic Differences in Working Women's Physical Activity. *Am J Health Behav*. 2014 Jan;38(1):63-73. PMCID: PMC4028622
 18. Jackson JM, DeFor TA, **Crain AL**, Kerby TJ, Strayer LS, Lewis CE, Whitlock EP, Williams SB, Vitolins MZ, Rodabough RJ, Larson JC, Habermann EB, Margolis KL. Validity of diabetes self-reports in the Women's Health Initiative. *Menopause*. 2014 Aug;21(8):861-8. PMCID: PMC4278641.
 19. Langer SL, **Crain AL**, Senso MM, Levy RL, Sherwood NE. Predicting child physical activity and screen time: parental support for physical activity and general parenting styles. *J Pediatr Psychol*. 2014 Jul;39(6):633-42. PMCID: PMC4092246.
 20. Pacanowski CR, Senso MM, Oriogun K, **Crain AL**, Sherwood NE. Binge eating behavior and weight loss maintenance over a 2-year period. *J Obes*. 2014 May;(1):249315. PMCID: PMC4033559.

21. Rubenstein LV, Danz MS, **Crain AL**, Glasgow RE, Whitebird RR, Solberg LI. Assessing organizational readiness for depression care quality improvement: relative commitment and implementation capability. *Implement Sci.* 2014 Dec 2;9(1):173. PMID: PMC4276014.
22. Seburg EM, Kunin-Batson AS, Senso MM, **Crain AL**, Langer SL, Levy RL, Sherwood NE. Concern about child weight among parents of children at-risk for obesity. *Health Behav Policy Rev.* 2014 May;1(3):197-208. PMID: PMC4213741.
23. Senso MM, Anderson CP, **Crain AL**, Sherwood NE, Martinson BC. Self-reported activity and accelerometry in 2 behavior-maintenance trials. *Am J Health Behav.* 2014 Mar;38(2):254-64. PMID: PMC4104794.
24. Solberg LI, **Crain AL**, Rubenstein L, Unutzer J, Whitebird RR, Beck AL. How much shared decision making occurs in usual primary care of depression. *J Am Board Fam Med.* 2014 Mar-Apr;27(2):199-208. PMID: 24610182.
25. Solberg LI, **Crain AL**, Tillema JO, Fontaine PL, Whitebird RR, Flottesmesch TJ, Scholle SH, Crabtree BF. Challenges of medical home transformation reported by 118 patient-centered medical home (PCMH) leaders. *J Am Board Fam Med.* 2014 Jul-Aug;27(4):449-57. PMID: 25001999.
26. Solberg LI, Stuck LH, **Crain AL**, Whitebird RR, Fontaine PL, Tillema JO, Snowden AM. Patient experience and physician/staff satisfaction in transforming medical homes. *Am J Accountable Care.* 2014 Sep;2(3):11-6.
27. **Crain AL**, Martinson BC, Thrush CR. Relationships between the survey of organizational research climate (SORC) and self-reported research practices. *Sci Eng Ethics.* 2013 Sep;19(3):835-50. PMID: PMC3594440.
28. **Crain AL**, Solberg LI, Unutzer J, Ohnsorg KA, Maciosek MV, Whitebird RR, Beck AL, Molitor BA. Designing and implementing research on a statewide quality improvement initiative: the DIAMOND study and initiative. *Med Care.* 2013 Sep;51(9):e58-e66. PMID: PMC3360981.
29. Jackson JM, DeFor TA, **Crain AL**, Kerby TJ, Strayer L, Lewis CE, Whitlock E, Williams S, Bonds DE, Vitolins MZ, Rodabough RJ, Margolis KL. Self-reported diabetes is a valid outcome in pragmatic clinical trials and observational studies [editorial]. *J Clin Epidemiol.* 2013 Mar;66(3):349-50. PMID: 22564498
30. Martinson BC, Thrush CR, **Crain AL**. Development and validation of the Survey of Organizational Research Climate (SORC). *Sci Eng Ethics.* 2013 Sep;19(3):813-34. PMID: PMC3594655.
31. Rolnick SJ, Parker ED, Nordin JD, Hedblom BD, Wei F; Kerby TJ, Jackson JM, **Crain AL**, Euler G. Self-report compared to electronic medical record across eight adult vaccines: do results vary by demographic factors? *Vaccine.* 2013 Aug 20;31(37):3928-35. PMID: 4689428
32. Sherwood NE, **Crain AL**, Martinson BC, Anderson CP, Hayes MG, Anderson JD, Senso MM, Jeffery RW. Enhancing long-term weight loss maintenance: 2 year results from the Keep It Off randomized controlled trial. *Prev Med.* 2013 Mar;56(3-4):171-7. PMID: PMC3582705.
33. Sherwood NE, French SA, Veblen-Mortenson S, **Crain AL**, Berge J, Kunin-Batson AS, Mitchell N, Senso MM. NET-Works: linking families, communities and primary care to prevent obesity in preschool-age children. *Contemp Clin Trials.* 2013 Oct 9;36(2):544-54. PMID: 4001736.

34. Sherwood NE, Levy RL, Langer SL, Senso MM, **Crain AL**, Hayes MG, Anderson JD, Seburg EM, Jeffery RW. Healthy Homes/Healthy Kids: a randomized trial of a pediatric primary care-based obesity prevention intervention for at-risk 5-10year olds. *Contemp Clin Trials*. 2013 Sep;36(1):228-43. PMID: 4004341
35. Solberg LI, **Crain AL**, Jaeckels NA, Ohnsorg KA, Margolis KL, Beck AL, Whitebird RR, Rossom RC, Crabtree BF, Van de Ven AH. The DIAMOND initiative: implementing collaborative care for depression in 75 primary care clinics. *Implement Sci*. 2013 Nov 16;8(1):135. PMID: PMC3842646.
36. Solberg LI, **Crain AL**, Tillema JO, Scholle SH, Fontaine PL, Whitebird RR. Medical home transformation: a gradual process and a continuum of attainment. *Ann Fam Med*. 2013 May-Jun;11(Suppl 1):S108-14. PMID: PMC3707254.
37. Whitebird RR, Kreitzer MJ, **Crain AL**, Lewis BA, Hanson LR, Enstad CJ. Mindfulness-based stress reduction for family caregivers: a randomized controlled trial. *Gerontologist*. 2013 Aug;53(4):676-86. PMID: PMC3709844.
38. Solberg LI, **Crain AL**, Tillema J, Scholle SH, Flottemesch TJ, Fontaine P, Whitebird RR. Medical home transformation: a gradual process and continuum of attainment. *Ann Fam Med*, 2012; PMID: 3707254.
39. Beck AL, **Crain AL**, Solberg LI, Unutzer J, Glasgow RE, Maciosek MV, Whitebird RR. Does severity of depression predict magnitude of productivity loss. *Ann Fam Med*. 2011 Jul-Aug;9(4):305-11. PMID: PMC3133577.
40. Margolis KL, Solberg LI, **Crain AL**, Whitebird RR, Ohnsorg KA, Jaeckels NA, Oftedahl G, Glasgow RE. Prevalence of practice system tools for improving depression care among primary care clinics: The DIAMOND Initiative. *J Gen Intern Med*. 2011 Sep;26(9):999-1004. PMID: PMC3157530.
41. Pronk NP, **Crain AL**, VanWormer JJ, Martinson BC, Boucher JL, Cosentino DL. The use of telehealth technology in assessing the accuracy of self-reported weight and the impact of a daily immediate-feedback intervention among obese employees. *Int J Telemed Appl*. 2011;909248. PMID: PMC3134252.
42. Sherwood NE, **Crain AL**, Martinson BC, Hayes MG, Anderson JD, Clausen JM, O'Connor PJ, Jeffery RW. Keep it off: a phone-based intervention for long-term weight-loss maintenance. *Contemp Clin Trials*. 2011 Jul;32(4):551-60. PMID: PMC3151538.
43. Whitebird RR, Kreitzer MJ, Lewis BA, Hanson LR, **Crain AL**, Enstad CJ, Mehta A. Recruiting and retaining family caregivers to a randomized controlled trial on mindfulness-based stress reduction. *Contemp Clin Trials*. 2011 Sep;32(5):654-61. PMID: PMC3148271.
44. **Crain AL**, Martinson BC, Sherwood NE, O'Connor PJ. The long and winding road to physical activity maintenance. *Am J Health Behav*. 2010 Nov-Dec;34(6):764-75. PMID: PMC3319762.
45. Hanson LR, Martinson BC, Sherwood NE, **Crain AL**, Hayes MG, O'Connor PJ, Matthews RB, Cooner JM. Changes in physical activity and nutrition in a behavioral intervention pilot study - passport to brain wellness. *Clin Med Res*. 2010 Dec;8(3-4):179. PMID: 3006554.
46. Margolis KL, **Crain AL**, Rush WA, Amundson GH, Kerby TJ, Murray AD. Effect of point-of-care A1c testing in primary care clinics on diabetes medication intensification. *Clinical Medicine & Research*. 2010 Mar;8(1):47. PMID: 2842322.

47. Martinson BC, **Crain AL**, De Vries R, Anderson MS. The importance of organizational justice in ensuring research integrity. *J Empir Res Hum Res Ethics*. 2010 Sep;5(3):67-83. PMID: PMC3032394.
48. Martinson BC, **Crain AL**, Sherwood NE, Hayes MG, Pronk NP, O'Connor PJ. Population reach and recruitment bias in a maintenance RCT in physically active older adults. *J Phys Act Health*. 2010 Jan;7(1):127-35. PMID: PMC2886498.
49. Martinson BC, Sherwood NE, **Crain AL**, Hayes MG, King AC, Pronk NP, O'Connor PJ. Maintaining physical activity among older adults: 24-month outcomes of the Keep Active Minnesota randomized controlled trial. *Prev Med*. 2010 Jul;51(1):37-44. PMID: PMC2885533.
50. Solberg LI, Glasgow RE, Unutzer J, Jaeckels NA, Oftedahl G, Beck AL, Maciosek MV, **Crain AL**. Partnership research: a practical trial design for evaluation of a natural experiment to improve depression care. *Med Care*. 2010 Jul;48(7):576-82. PMID: PMC4270473. [Comment in: *Med Care*. 2010 Jul;48(7):574-5.]
51. Amundson GM, O'Connor PJ, Solberg LI, Asche SE, Woods RC, Parker ED, **Crain AL**. Diabetes care quality: insurance, health plan, and physician group contributions. *Am J Manag Care*. 2009 Sep;15(9):585-92. PMID: 19747023.
52. Martinson BC, **Crain AL**, Anderson MS, De Vries R. Institutions' expectations for researchers' self-funding, federal grant holding, and private industry involvement: manifold drivers of self-interest and researcher behavior. *Acad Med*. 2009 Nov;84(11):1491-9. PMID: PMC3071700.
53. O'Connor PJ, **Crain AL**, Rush WA, Hanson AM, Fischer LR, Kluznik JC. Does diabetes double the risk of depression? *Ann Fam Med*. 2009 Jul-Aug;7(4):328-35. PMID: PMC2713167.
54. O'Connor PJ, Sperl-Hillen JM, Johnson PE, Rush WA, **Crain AL**. Customized feedback to patients and providers failed to improve safety or quality of diabetes care: a randomized trial. *Diabetes Care*. 2009 Jul;32(7):1158-63. PMID: 2699722.
55. VanWormer JJ, Martinez AM, Benson GA, **Crain AL**, Martinson BC, Cosentino DL, Pronk NP. Telephone counseling and home telemonitoring: the Weigh-By-Day Trial. *Am J Health Behav*. 2009 Jul-Aug;33(4):445-54. PMID: 19182989.
56. VanWormer JJ, Martinez AM, Martinson BC, **Crain AL**, Benson GA, Cosentino DL, Pronk NP. Self-weighing promotes weight loss for obese adults. *Am J Prev Med*. 2009 Jan;36(1):70-3. PMID: 18976879.
57. Wei F, **Crain AL**, Whitebird RR, Godlevsky OV, O'Connor PJ. Effects of paroxetine and sertraline on low-density lipoprotein cholesterol: an observational cohort study. *CNS Drugs*. 2009 Oct;23(10):857-65. PMID: 19739695.
58. Lewis BA, Avery MD, Jennings E, Sherwood NE, Martinson BC, **Crain AL**. The effect of exercise during pregnancy on maternal outcomes: practical implications for practice. *Am J Lifestyle Med*. 2008 Sep-Oct;2(5):441-55.
59. Martinson BC, **Crain AL**, Sherwood NE, Hayes MG, Pronk NP, O'Connor PJ. Maintaining physical activity among older adults: six-month outcomes of the Keep Active Minnesota randomized controlled trial. *Prev Med*. 2008 Feb;46(2):111-9. PMID: PMC2350214.
60. O'Connor PJ, Rush WA, Davidson GA, Louis TA, Solberg LI, **Crain AL**, Johnson PE, Whitebird RR. Variation in quality of diabetes care at the levels of patient, physician, and clinic. *Prev Chronic Dis*. 2008 Jan;5(1):A15. PMID: PMC2248776.

61. Sherwood NE, Martinson BC, **Crain AL**, Hayes MG, Pronk NP, O'Connor PJ. A new approach to physical activity maintenance: rationale, design, and baseline data from the Keep Active Minnesota trial. *BMC Geriatr*. 2008 Jul 25;817. PMID: PMC2533665.
62. Solberg LI, Flottemesch TJ, Foldes SS, Molitor BA, Walker PF, **Crain AL**. Tobacco-use prevalence in special populations taking advantage of electronic medical records. *Am J Prev Med*. 2008 Dec;35(6 Suppl):S501-7. PMID: 19012845.
63. Sperl-Hillen JM, Solberg LI, Hroschikoski MC, **Crain AL**, Engebretson KI, O'Connor PJ. The effect of advanced access implementation on quality of diabetes care. *Prev Chronic Dis*. 2008 Jan;5(1):A16. PMID: PMC2248791.
64. Franz MJ, VanWormer JJ, **Crain AL**, Boucher JL, Histon T, Caplan W, Bowman JD, Pronk NP. Weight-loss outcomes: a systematic review and meta-analysis of weight-loss clinical trials with a minimum 1-year follow-up [review article]. *J Am Diet Assoc*. 2007 Oct;107(10):1755-67. PMID: 17904936.
65. Gilmer TP, O'Connor PJ, Rush WA, **Crain AL**, Whitebird RR, Hanson AM, Solberg LI. Impact of office systems and improvement strategies on costs of care for adults with diabetes. *Diabetes Care*. 2006 Jun;29(6):1242-8. PMID: PMC16732003.
66. Martinson BC, Anderson MS, **Crain AL**, De Vries R. Scientists' perceptions of organizational justice and self-reported misbehaviors. *J Empir Res Hum Res Ethics*. 2006 Mar;1(1):51-66. PMID: PMC1483900.
67. Solberg LI, **Crain AL**, Sperl-Hillen JM, Hroschikoski MC, Engebretson KI, O'Connor PJ. Care quality and implementation of the chronic care model: a quantitative study. *Ann Fam Med*. 2006 Jul-Aug;4(4):310-6. PMID: PMC1522152.
68. Solberg LI, **Crain AL**, Sperl-Hillen JM, Hroschikoski MC, Engebretson KI, O'Connor PJ. Effect of improved primary care access on quality of depression care. *Ann Fam Med*. 2006 Jan-Feb;4(1):69-74. PMID: PMC1466998.
69. Solberg LI, Engebretson KI, Sperl-Hillen JM, O'Connor PJ, Hroschikoski MC, **Crain AL**. Ambulatory care quality measures for the 6 aims from administrative data. *Am J Med Qual*. 2006 Sep-Oct;21(5):310-6. PMID: 16973947.
70. Anderson LH, Martinson BC, **Crain AL**, Pronk NP, Whitebird RR, Fine LJ, O'Connor PJ. Health care charges associated with physical inactivity, overweight, and obesity. *Prev Chronic Dis*. 2005 Oct;2(4):A09. PMID: PMC1435706.
71. Asplin BR, Rhodes KV, Levy H, Lurie N, **Crain AL**, Carlin BP, Kellermann AL. Insurance status and access to urgent ambulatory care follow-up appointments. *JAMA*. 2005 Sep 14;294(10):1248-54. PMID: 16160133.
72. Culhane-Pera KA, Peterson KA, **Crain AL**, Center BA, Lee M, Her B, Xiong T. Group visits for Hmong adults with type 2 diabetes mellitus: a pre-post analysis. *J Health Care Poor Underserved*. 2005 May;16(2):315-27.
73. Gilmer TP, O'Connor PJ, Rush WA, **Crain AL**, Whitebird RR, Hanson AM, Solberg LI. Predictors of health care costs in adults with diabetes. *Diabetes Care*. 2005 Jan;28(1):59-64. PMID: 15616234.
74. O'Connor PJ, **Crain AL**, Rush WA, Sperl-Hillen JM, Gutenkauf JJ, Duncan JE. Impact of an electronic medical record on diabetes quality of care. *Ann Fam Med*. 2005 Jul-Aug;3(4):300-6. PMID: PMC1466905.

75. O'Connor PJ, Desai JR, Solberg LI, Reger LA, **Crain AL**, Asche SE, Pearson TL, Clark CK, Rush WA, Cherney LM, Sperl-Hillen JM, Bishop DB. Randomized trial of quality improvement intervention to improve diabetes care in primary care settings. *Diabetes Care*. 2005 Aug;28(8):1890-7.
76. DeMoss C, McGrail MP Jr, Haus E, **Crain AL**, Asche SE. Health and performance factors in health care shift workers. *J Occup Environ Med*. 2004 Dec;46(12):1278-81. PMID: 15591980.
77. O'Connor PJ, Asche SE, **Crain AL**, Rush WA, Whitebird RR, Solberg LI, Sperl-Hillen JM. Is patient readiness to change a predictor of improved glycemic control? *Diabetes Care*. 2004 Oct;27(10):2325-9. PMID: 15451895.
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