

A. Lauren Crain, PhD

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PROFESSIONAL EXPERIENCE

2011-present Senior Research Investigator, Statistician, HealthPartners Institute
2001-2011 Research Investigator, Statistician, HealthPartners Research Foundation
2003-2008 Manager, Research Methodology Group, 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)

Large Pragmatic Trial to Prevent Suicide Attempts, Deaths in Moderate-to-High Risk Youth. Funded direct costs \$2,727,139 for 8 years, Kaiser Permanente Northwest – Co-Investigator (G Clarke, R Rossom); 2021.

Reducing Clinical Inertia in Obesity Management of Diabetes in Primary Care: Cluster-Randomized Trial. Funded direct costs \$2,086,919 for 5 years, National Institute of Diabetes and Digestive and Kidney Diseases R01DK128281 – Co-Investigator (PI: P O'Connor); 2021.

Development and Proof-of-Concept Trial of a Meaning and Theory-Based Physical Activity Intervention. Funded direct costs \$278,803 for 2 years, National Institute on Aging R21AG070161 – Co-Investigator (PI: S Hooker); 2021.

A Technology-Driven Intervention to Improve Early Detection and Management of Cognitive Impairment. Funded direct costs \$3,312,227 for 5 years, National Institute on Aging R61AG069770 – Co-Investigator (PI: L Hanson, R Rossom); 2020.

Reducing Stigma Toward People with Opioid Use Disorder Among Primary Care Clinicians. Funded direct costs \$195,183 for 2 years, Hennepin Healthcare Research Institute UG1DA040316-06S4 – Co-Investigator (PI: S Hooker); 2020.

Suicide Prediction and Prevention for People at Risk for Opioid Use Disorder. Funded direct costs \$349,247 for 2 years, Hennepin Healthcare Research Institute UG1DA040316-06S3 – Co-Investigator (PI: G Bart, R Rossom); 2020.

Clinic-Randomized Trial of Clinical Decision Support for Opioid Use Disorders in Medical Settings. Total award amount (including indirect costs): \$4,954,972, National Institute on Drug Abuse UG1DA040316 – Co-Investigator (PI: G Bart, R Rossom); 2018.

A Technology-Driven Intervention to Improve Identification and Management of Chronic Kidney Disease and Primary Care. Funded direct costs \$959,770 for 3 years, National Institute of Diabetes and Digestive and Kidney Diseases R18DK118463 – Co-Investigator (PI: J Sperl-Hillen); 2018.

Early Environmental Stressors and Emerging Cardiometabolic Risk. Funded direct costs \$961,928 for 4 years, National Institute of Child Health and Human Development R01HD090059 – Site PI. (PI: A Kunin-Batson); 2017.

Reducing CV Risk Using Decision Support for Patients and Clinicians in Safety Net Clinics. Funded \$707,017 site-specific direct costs for 5 years, National Heart, Lung, and Blood Institute R01HL133793 – Co-Investigator (PI: R Gold); 2017.

Pragmatic Trial Comparing Telehealth Care and Clinic-based Care for Uncontrolled High Blood Pressure. Funded direct costs \$4,438,976 for 6 years, Patient Centered Outcomes Research Institute IHS-1507-31146 – Co-Investigator (PI: K Margolis); 2016.

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

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

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

FUNDED RESEARCH (Prior to 3 years ago)

Clinical decision support for Opiate use disorders in Medical settings: Pilot Usability Testing in an EMR. Funded direct costs \$1,096,246 for 3 years, National Institute on Drug Abuse UG1DA040316 – Co-Investigator (PI: R Rossom); 2016.

Minnesota Center for Childhood Obesity Prevention: Linking Primary Care, Community & Family. Funded site-specific direct costs \$882,149 for 7 years, National Institute of Child Health and Human Development U01HD068890 – Co-Investigator (Co-PIs: N Sherwood, S French); 2010.

Healthy Kids after Cancer: A Physical Activity and Nutrition Intervention (Let's Play). Funded direct costs \$277,525 for 2 years, National Cancer Institute R21CA182727 - Co-Investigator (PI: A Kunin-Batson); 2017.

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

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

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

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

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

Evaluating Statewide Transformation of Primary Care to Medical Homes. Funded direct costs \$396,754,127 for 2 years, AHRQ R18HS019161 – Co-Investigator (PI: L Solberg); 2010.

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

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

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

DIAMOND Study: Evaluation of a Natural Experiment to Improve Statewide Depression Care in Minnesota. Funded direct costs \$2,276,073 for 6 years, National Institutes of Mental Health R01MH080692 – Co-Investigator/Statistician (PI: L Solberg); 2007.

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

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

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

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

PUBLICATIONS (Reverse Chronological Order)

1. Kunin-Batson A, **Crain AL**, Gunnar MR, Kelly AS, Kharbanda EO, Haapala J, Seburg EM, Sherwood NE, French SA. Household income, cortisol, and obesity during early childhood: A prospective longitudinal study. *J Pediatr*. 2023 Jan;252:76-82. doi: 10.1016/j.jpeds.2022.09.007. Epub 2022 Sep 14. PMID: 36113639
2. Rossom RC, **Crain AL**, O'Connor PJ, Wright E, Haller IV, Hooker SA, Sperl-Hillen JM, Olson A, Romagnoli K, Solberg L, Dehmer SP, Haapala J, Borgert-Spaniol C, Tusing L, Muegge J, Allen C, Ekstrom H, Huntley K, McCormack J, Bart G. Design of a pragmatic clinical trial to improve screening and treatment for opioid use disorder in primary care. *Contemp Clin Trials*. 2023 Jan;124:107012. doi: 10.1016/j.cct.2022.107012. Epub 2022 Nov 17. PMID: 36402275; PMCID: PMC9839646.
3. Desai J, Saman D, Sperl-Hillen JM, Pratt R, Dehmer SP, Allen C, Ohnsorg K, Wuorio A, Appana D, Hitz P, Land A, Sharma R, Wilkinson L, **Crain AL**, Crabtree BF, Bianco J, O'Connor PJ. Implementing a prediabetes clinical decision support system in a large primary care system: Design, methods, and pre-implementation results. *Contemp Clin Trials*. 2022 Mar;114:106686. doi: 10.1016/j.cct.2022.106686. Epub 2022 Jan 25. PMID: 35091135.
4. Gunnar MR, Haapala J, French SA, Sherwood NE, Seburg EA, **Crain AL**, Kunin-Batson AS. Race and Age Are Associated with Hair Cortisol Among Children Studied Longitudinally From Early Through Middle Childhood. *Psychoneuroendocrinology*. 2022 Oct;144:105892. doi: 10.1016/j.psycheneu.2022.105892. Epub 2022 Aug 10. PMID: 35985241.
5. Hooker SA, O'Connor PJ, Sperl-Hillen JM, **Crain AL**, Ohnsorg K, Kane S, Rossom R. Depression and cardiovascular risk in primary care patients. *J Psychosom Res*. 2022 Apr 19;158:110920. doi: 10.1016/j.jpsychores.2022.110920. Epub ahead of print. PMID: 35461074.
6. JaKa M, Bergdall A, Beran MS, Solberg L, Green BB, Andersen J, Kodet A, Norman S, Haugen P, **Crain L**, Trower N, Sharma R, Rehrauer D, Maeztu C, Margolis K. Reach in a Pragmatic Hypertension Trial: A Critical RE-AIM Component. *Contemp Clin Trials*. 2022 Oct;121:106896. doi: 10.1016/j.cct.2022.106896.
7. Margolis KL, Bergdall AR, **Crain AL**, JaKa MM, Anderson JP, Solberg LI, Sperl-Hillen JM, Beran MS, Green BB, Haugen P, Norton CK, Kodet AJ, Sharma R, Appana D, Trower NK, Pawloski PA, Rehrauer DJ, Simmons ML, McKinney Z, Kottke TE, Ziegenfuss JY, Williams RA, O'Connor PJ. Comparing pharmacist-led telehealth care and clinic-based care for uncontrolled high blood pressure: The Hyperlink 3 pragmatic cluster-randomized trial. *Hypertens* 2022;79 ePub ahead of print DOI:10.1161/HYPERTENSIONAHA.122.19816. PMID: 36281763.
8. Margolis KL, **Crain AL**, Green BB, O'Connor PJ, Solberg LI, Beran M, Bergdall AR, Pawloski PA, Ziegenfuss JY, JaKa MM, Appana D, Sharma R, Kodet AJ, Trower NK, Rehrauer DJ, McKinney Z, Norton CK, Haugen P, Anderson JP, Crabtree BF, Norman SK, Sperl-Hillen JM. Comparison of explanatory and pragmatic design choices in a cluster-randomized hypertension trial: effects on enrollment, participant characteristics, and adherence. *Trials* 2022 23:673. doi: 10.1186/s13063-022-06611-3
9. Rossom RC, **Crain AL**, O'Connor PJ, Waring SC, Hooker SA, Ohnsorg K, Taran A, Kopski KM, Sperl-Hillen JM. Clinical Decision Support to Reduce Cardiovascular Risk in Adults with Bipolar Disorder, Schizoaffective Disorder or Schizophrenia: A Cluster-Randomized Clinical

Trial. *JAMA Netw Open*. 2022 Mar 1;5(3):e220202. doi: 10.1001/jamanetworkopen.2022.0202. PMID: 35254433; PMCID: PMC8902652.

10. Rossom RC, Hooker SA, O'Connor PJ, **Crain AL**, Sperl-Hillen JM Cardiovascular Risk for Patients with and without Schizophrenia, Schizoaffective Disorder or Bipolar Disorder. *J Am Heart Assoc*. 2022. Mar 15;11(6):e021444. doi: 10.1161/JAHA.121.021444. Epub 2022 Mar 9. PMID: 35261265; PMCID: PMC9075298
11. Saman DM, Allen CI, Freitag LA, Harry ML, Sperl-Hillen JM, Ziegenfuss JY, Haapala JL, **Crain AL**, Desai JR, Ohnsorg KA, O'Connor PJ Clinician perceptions of a clinical decision support system to reduce cardiovascular risk among prediabetes patients in a predominantly rural healthcare system. *BMC Med Inform Decis Mak*. 2022 Nov 19;22(1):301. doi: 10.1186/s12911-022-02032-z. PMID: 36402988
12. Rossom RC, Sperl-Hillen JA, O'Connor PJ, **Crain AL**, Nightingale L, Pylkas A, Huntley KV, Bart G. A Pilot Study of the Functionality and Clinician Acceptance of a Clinical Decision Support Tool to Improve Primary Care of Opioid Use Disorder. *Addict Sci Clin Pract*. 2021 Jun 15;16(1):37. doi: 10.1186/s13722-021-00245-7. PMID: 34130758 PMCID: PMC8207778
13. Sherwood NE, **Crain AL**, Seburg EM, Butryn ML, Forman EM, Crane MM, Levy RL, Kunin-Batson AS, Jeffery RW. BestFIT Sequential Multiple Assignment Randomized Trial Results: A SMART approach to developing individualized weight loss treatment sequences. *Ann Behav Med*. 2021. DOI: 10.1093/abm/kaab061. PMID: 34415011 PMCID: PMC8887581
14. Solberg LI, **Crain AL**, Green BB, Ziegenfuss JY, Beran MS, Sperl-Hillen JM, Norton CK, Margolis KL. Experiences and Perceptions of Patients with Uncontrolled Hypertension Who are Dissatisfied with Their Hypertension Care *J Am Board Family Med* Nov-Dec 2021; 34(6): 1115-1122; DOI: 10.3122/jabfm.2021.06.210240. PMID: 34772767
15. Sperl-Hillen JM, **Crain AL**, Chumba L, Ekstrom HL, Appana D, Kopski KM, Wetmore JB, Wheeler J, Ishani A, O'Connor PJ. Pragmatic Clinic Randomized Trial to Improve Chronic Kidney Disease Care: Design and Adaptation Due to COVID Disruptions. *Contemp Clin Trials*. 2021 Oct;109:106501. doi: 10.1016/j.cct.2021.106501. Epub 2021 Jul 13. PMID: 34271175; PMCID: PMC8276567.
16. Rossom RC, O'Connor PJ, **Crain AL**, Waring S, Ohnsorg K, Taran A, Kopski K, Sperl-Hillen JM. Pragmatic trial design of an intervention to reduce cardiovascular risk in people with serious mental illness. *Contemp Clin Trials*. 2020 Apr;91:105964. PMCID: PMC7263956
17. Margolis, KM, **Crain AL**, Bergdall AR, Beran MS, Anderson JP, Solberg LI, O'Connor PJ, Sperl-Hillen JM, Pawloski PA, Ziegenfuss JY, Rehrauer D, Norton C, Haugen P, Green BB, McKinney Z, Kodet A, Appana D, Sharma R, Trower NK, Williams R, Crabtree BF. Design of a pragmatic cluster-randomized trial comparing telehealth care and best practice clinic-based care for uncontrolled high blood pressure. *Contemp Clin Trials*. 2020 May;92:105939. doi: 10.1016/j.cct.2020.105939. Epub 2020 Jan 22. PMID: 31981712.
18. Sherwood NE, Levy RL, Seburg EM, **Crain AL**, Langer SL, JaKa MM, Kunin-Batson A, Jeffery RW. The Healthy Homes/Healthy Kids 5-10 Obesity Prevention Trial: 12 and 24 month outcomes. *Pediatr Obes*. 2019 Aug;14(8):e12523. doi: 10.1111/ijpo.12523. Epub 2019 Mar 14
19. French SA, Sherwood NE, Veblen-Mortenson S, **Crain AL**, JaKa MM, Mitchell NR, Hotop AM, Berge JM, Kunin Batson AS, Truesdale K, Stevens J, Pratt C, Esposito L. Multicomponent Obesity Prevention Intervention in Low-Income Preschoolers: Primary and Subgroup Analyses of the NET-Works Randomized Clinical Trial, 2012-2017. *Am J Public*

Health. 2018 Dec;108(12):1695-706. doi: 10.2105/AJPH.2018.304696. PMID: PMC6236759.

20. Sperl-Hillen JM, **Crain AL**, Margolis KL, Ekstrom HL, Appana D, Amundson G, Sharma R, Desai JR, O'Connor PJ. Clinical decision support directed to primary care patients and providers reduces cardiovascular risk: a randomized trial. *J Am Med Inform Assoc*. 2018 Sep;25(9):1137-46. PMID: PMC6658854
21. **Crain AL**, Sherwood NE, Martinson BC, Jeffery RW. Mediators of weight loss maintenance in the Keep It Off Trial. *Ann Behav Med*. 2018 Jan 5;52(1):9-18. doi: 10.1007/s12160-017-9917-x. PMID: PMC5685932
22. Sperl-Hillen, J, Margolis, K, **Crain AL** (2017). Risk and benefit information and use of aspirin. *JAMA Internal Medicine*. 2017 Feb 1;177(2):291. doi: 10.1001/jamainternmed.2016.7988.
23. 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.
24. 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.
25. 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.
26. 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.
27. 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.
28. 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].
29. 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. doi: 10.1016/j.cct.2016.01.011. PubMed PMID: 26825020; PubMed Central PMCID: PMC4941634.
30. 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. doi: 10.1089/chi.2015.0009. PubMed PMID: 26478951; PubMed Central PMCID: PMC4677530.

31. 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. doi: 10.1370/afm.1842. PubMed PMID: 26371261; PubMed CentralPMCID: PMC4569448.
32. Solberg LI, Stuck LH, **Crain AL**, Tillema JO, Flottemesch 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. doi: 10.1177/1062860614532307. PubMed PMID: 24788251.
33. 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. doi: 10.1123/jpah.2013-0503. PubMed PMID: 25133750; PubMed Central PMCID: PMC4329288.
34. 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.
35. 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. PMCID: PMC4276014.
36. 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.
37. 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.
38. Beck AL, **Crain AL**, Solberg LI, Unutzer 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.
39. Solberg LI, **Crain AL**, Tillema JO, Fontaine PL, Whitebird RR, Flottemesch 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.
40. 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.
41. 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.
42. 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. PMCID: PMC4213741.

43. 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.
44. 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.
45. 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. PMID: PMC4028622
46. Solberg LI, **Crain AL**, Jaekels 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.
47. 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.
48. **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.
49. **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.
50. 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.
51. 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 5-10-year olds. *Contemp Clin Trials*. 2013 Sep;36(1):228-43. PMID: 4004341
52. 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
53. 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.
54. 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.
55. 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

56. 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.
57. 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.
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