

AHRQ's Evidence-based Practice Center Program Annual Report 2023

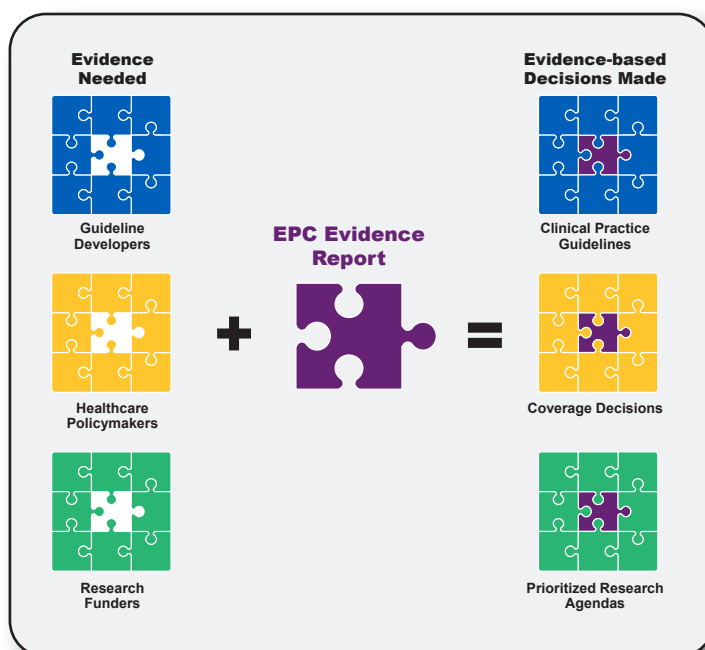


Program Goals Achieved

Vision, Mission, and Goals

The **vision** of the Agency for Healthcare Research and Quality's (AHRQ) Evidence-based Practice Center (EPC) Program is that all healthcare decisions are based on the best available evidence, resulting in the best possible health outcomes; the **mission** is to transform healthcare by increasing the quality, availability, and use of evidence via scientifically rigorous and unbiased analysis of evidence. To accomplish this mission, the Program has **four goals**:

1. **Advance Healthcare:** Provide evidence reviews that are timely, unbiased, accessible, and readable and have actionable conclusions for healthcare decisions.
2. **Ensure Public and Stakeholder Involvement:** Increase awareness of opportunities to provide input and partner with the EPC Program, and to be responsive to the evidence needs of stakeholders.
3. **Advance Evidence Synthesis Methodology:** Improve the explanatory power and efficiency of evidence synthesis by developing (and adhering to) guidance, tools, and novel methods for synthesizing, summarizing, and contextualizing evidence for healthcare decisions.
4. **Improve Evidence Quality:** Improve future evidence for healthcare decisions by accelerating the reduction of evidence gaps and improving



Learn more below:

- ✓ Click icons within [each goal](#) to access tables with additional details
- ✓ Review [Impact Snapshots](#) to learn how the EPC Program has increased the use of evidence
- ✓ Learn how the EPC Program has been cited in the [news and social media](#) since 2010



Goal 1: Advancing Healthcare

Completed Research



19

Reports



33

Publications

24 Reports

9 Grants



14

Presentations

New and In-Progress Research



47

Reports









5




Grants Active

Use of EPC Reports

Clinical Guidance and Payment

-  Treatment and Management of Mental Health Conditions During Pregnancy and Postpartum
-  Guiding and Improved Dementia Experience (GUIDE) Model
-  Medicare Physician Fee Schedule Proposed Rule Clarifying Reimbursement for Dental Services
-  Guideline on Partial Breast Irradiation for Patients with Early-Stage Invasive Breast Cancer or Ductal Carcinoma In Situ
-  Best Practice Bipolar Disorder in Adults
-  Evidence-Based Guideline for Prehospital Airway Management

Research Prioritization

-  Minnesota Department of Health's Policy-Informed Telehealth Research Workshop
-  Request for Information (RFI): Food is Medicine Research Opportunities
-  Notice of Special Interest (NOSI): Assessing Real-World Effectiveness and Implementation of Telehealth-Guided Provider-to-Provider Communication among Rural Communities

Goal 2: Public and Stakeholder Involvement

Public Interest



166,630

Listserv Members



29

Topics Nominated



1,142

Mentions of EPC
Products in 2023

Engagement



2,996,605

Total Page Views



5,998,680

36 emails sent to 166,630
subscribers each (4,384 new
subscribers in 2023)

Partnership



15

Federal Partners



16

Non-Federal Partners

Goal 3: Advancing Evidence Synthesis Methodology

Methods-Related Research



4

Reports/Projects



2

Manuscripts



11

Presentations

Goal 4: Improving Evidence Quality

Evidence Gap Work

Research Gap Summaries

Pain Management

Telehealth

Impact Snapshots

The Impact Snapshots that follow provide a sample of the EPC Program's impact in 2023.

AHRQ Rapid Responses Inform CMS Coverage Decision for Dental Care

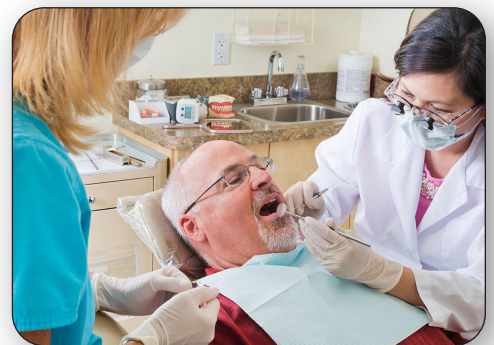
EPC Report: Efficacy of Dental Services for Reducing Adverse Events in Those Receiving Chemotherapy for Cancer

Why: Although oral health is inextricably linked to overall health, coverage for dental services is not always available via Medicare but may be particularly important for patients with cancer receiving chemotherapy. Chemotherapy suppresses the immune system, rendering patients more susceptible to infections of all kinds including infections of the mouth, teeth, and gums

Who: The Centers for Medicare & Medicaid Services (CMS) requested evidence review from AHRQ to determine the effectiveness of providing dental care for patients receiving chemotherapy.

How: Findings from a rapid response review showed that pre-chemotherapy dental care may reduce the incidence and/or the severity of infections of the mouth and jaw.

What: The CMS Physician Fee Schedule, updated annually, is a complete listing of fees Medicare uses to pay doctors or other providers/suppliers. Inclusion of dental coverage for people who would receive chemotherapy for cancer removes an important barrier to the receipt of dental care and improves cancer-related outcomes. Findings from this review [informed a change in the CMS physician fee schedule to provide Medicare coverage for patients with cancer receiving chemotherapy](#). This change may improve treatment outcomes for patients with cancer as well as address disparities among those unable to afford dental care.



American College of Obstetricians and Gynecologists Creates Perinatal Mental Health Clinical Practice Guidelines Using AHRQ Research

EPC Report: Maternal, Fetal, and Child Outcomes of Mental Health Treatments in Women: A Systematic Review of Perinatal Pharmacologic Interventions



Why: Obstetrician-gynecologists want to improve care for their patients and need clinical guidance when medications can affect both the mother and the unborn child.

Who: Mental health conditions (including deaths from suicide and overdose/poisoning related to substance use disorders) are the leading cause of pregnancy-related death. Nearly a quarter of all maternal deaths can be attributed to mental health causes.

How: The EPC conducted a [systematic review](#) to assess the benefits and harms of pharmacologic interventions compared with placebo, no treatment, or other pharmacologic interventions for pregnant and postpartum women with mental health disorders. The EPC synthesized the results of total of 164 studies and found low-quality evidence on the benefits of some medications for postpartum depression and for continuing mood stabilizers during pregnancy, and limited evidence for harms. However, most studies reporting on harms were observational and unable to fully account for confounding.

What: The American College of Obstetricians and Gynecologists published a clinical practice guideline, [Treatment and Management of Mental Health Conditions During Pregnancy and Postpartum](#), based on the AHRQ systematic review. This guideline has 14 recommendations on treatment and management of perinatal depression, anxiety, bipolar disorders, and acute postpartum psychosis. It focuses on psychopharmacotherapy and outlines specific steps for initial and followup treatment of perinatal mental health conditions.

AHRQ Studies Impact of Healthcare Algorithms on Racial and Ethnic Disparities

EPC Report: Impact of Healthcare Algorithms on Racial and Ethnic Disparities in Health and Healthcare

Why: Algorithms are ubiquitous in healthcare and used for diagnosis, treatment, and the allocation of resources. Bias in the development and use of algorithms can worsen outcomes for racial and ethnic minorities and other underserved groups.

Who: In September 2020, Congress requested an AHRQ systematic review to examine the impact of healthcare algorithms on racial and ethnic disparities.

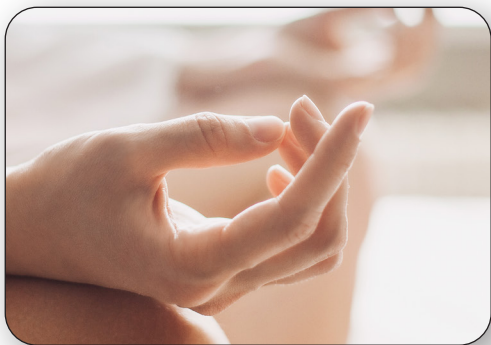
How: AHRQ issued a Request for Information (RFI) and completed and published an evidence review on the [impact of healthcare algorithms on racial and ethnic disparities in health and healthcare](#). In addition, AHRQ convened an interdisciplinary panel of leaders in healthcare to develop and publish guiding principles to address the impact of algorithmic bias on racial and ethnic disparities in health and healthcare.

What: In addition to the published report, the [results of the RFI](#) and the [guiding principles](#) were published in prominent journals and call for attention and action on the issue. The guiding principles advocate for the creation of systems and policies to support transparency, community engagement, and accountability in the development and use of algorithms in healthcare, thus promoting health and healthcare equity for racial and ethnic minorities and other vulnerable groups.



Sustained Impact of Work Related to EPC Reports Over Time

We assessed the amount of attention received for manuscripts published since 2010 and associated with an EPC report. Our assessment utilized Altmetric, which ranks manuscripts and other products based on the attention they receive using data such as the number of times they are mentioned in the news or by the public in social media, and the number of times they are cited. For the 275 EPC report-associated journal manuscripts published since 2010, there have been 17,617 mentions so far. Of the top 20 articles that have received the most attention, all are in the top 5 percent of research products scored by Altmetric. The top three articles, per the Altmetric attention ranking, include the following articles:



[Meditation Programs for Psychological Stress and Well-Being](#), (published in *JAMA Internal Medicine* in March 2014), has been cited 1,575 times and mentioned 1,845 times, including mentions in 66 blogs and in 684 news stories from 309 news outlets. The associated [AHRQ systematic review](#) was mentioned in 61 news stories from 26 outlets.



[Over-the-Counter Supplement Interventions to Prevent Cognitive Decline, Mild Cognitive Impairment, and Clinical Alzheimer-Type Dementia](#) (published in *Annals of Internal Medicine* in December 2017), was mentioned 1,232 times, including mentions by over 1,100 users of X (formerly Twitter) and in 91 news stories from 87 news outlets. The associated [AHRQ systematic review](#) was mentioned in 12 news stories from 10 outlets.



[Cannabis-Based Products for Chronic Pain](#) (published in *Annals of Internal Medicine* in August 2022) has been mentioned in 121 news stories from 110 outlets. This manuscript was recognized by the American College of Physicians *Annals of Internal Medicine* as one of the [best articles of 2022](#).

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Appendix A. Use of EPC Evidence Reports and Grants

Clinical Guidance and Proposed Coverage (Date)	Associated EPC Evidence Report (Date)
1. Treatment and Management of Mental Health Conditions During Pregnancy and Postpartum (June 2023)	Maternal, Fetal, and Child Outcomes of Mental Health Treatments in Women: A Systematic Review of Perinatal Pharmacologic Interventions (April 2021)
2. Guiding an Improved Dementia Experience (GUIDE) Model (July 2023)	Care Interventions for People Living With Dementia and Their Caregivers (August 2020)
3. Medicare Physician Fee Schedule Proposed Rule Clarifying Reimbursement for Dental Services (July 2023)	Efficacy of Dental Services for Reducing Adverse Events in Those Receiving Chemotherapy for Cancer (July 2023) Efficacy of Dental Services for Reducing Adverse Events in Those Undergoing Insertion of Implantable Cardiovascular Devices (July 2023)
4. Guideline on Partial Breast Irradiation for Patients With Early-Stage Invasive Breast Cancer or Ductal Carcinoma In Situ (November 2023)	Partial Breast Irradiation for Breast Cancer (January 2023)
5. The British Medical Journal (BMJ) Best Practice Bipolar Disorder in Adults (January 2023)	Treatment for Bipolar Disorder in Adults: A Systematic Review (August 2018)
6. Evidence-Based Guideline for Prehospital Airway Management (December 2023)	Prehospital Airway Management (June 2021)

Table A2. Research Prioritization	
Research Priority or Funding Opportunity (Date)	Associated EPC Evidence Report (Date)
1. Minnesota Department of Health's Policy-Informed Telehealth Research Workshop (February 2023)	Improving Rural Health Through Telehealth-Guided Provider-to-Provider Communication (December 2022)
2. Request for Information (RFI): Food is Medicine Research Opportunities (April 2023)	Malnutrition in Hospitalized Adults (October 2021)
3. Notice of Special Interest (NOSI): Assessing Real-World Effectiveness and Implementation of Telehealth-Guided Provider-to-Provider Communication among Rural Communities (May 2023)	Improving Rural Health Through Telehealth-Guided Provider-to-Provider Communication (December 2022)

Appendix B. Completed Evidence Reports

Table B1. Healthcare-Related EPC Evidence Reports Posted in 2023	
1.	Cervical Degenerative Disease Treatment: A Systematic Review
2.	Efficacy of Dental Services for Reducing Adverse Events in Those Receiving Chemotherapy for Cancer
3.	Efficacy of Dental Services for Reducing Adverse Events in Those Undergoing Insertion of Implantable Cardiovascular Devices
4.	Impact of Healthcare Algorithms on Racial and Ethnic Disparities in Health and Healthcare
5.	Living Systematic Review on Cannabis and Other Plant-Based Treatments for Chronic Pain: 2023 Update
6.	Making Healthcare Safer IV: Patient and Family Engagement
7.	Making Healthcare Safer IV: Use of Report Cards and Outcome Measurements To Improve the Safety of Surgical Care
8.	Management of Postpartum Hypertensive Disorders of Pregnancy
9.	Measuring Healthcare Organization Characteristics in Cancer Care Delivery Research
10.	Nonemergent Percutaneous Coronary Intervention Versus Optimal Medical Treatment for Stable Ischemic Heart Disease: A Rapid Response Literature Review
11.	Nutrition as Prevention for Improved Cancer Health Outcomes
12.	Partial Breast Irradiation for Breast Cancer
13.	Pharmacologic and Nonpharmacologic Treatments for Posttraumatic Stress Disorder: An Update of the PTSD Repository Evidence Base

Table B1. Healthcare-Related EPC Evidence Reports Posted in 2023 (continued)

14.	Pharmacotherapy for Adults With Alcohol Use Disorder in Outpatient Settings: Systematic Review
15.	Postpartum Care up to 1 Year After Pregnancy: A Systematic Review and Meta-analysis
16.	Potential Harms Resulting From Patient- Clinician Real-Time Clinical Encounters Using Video-Based Telehealth: A Rapid Evidence Review
17.	Radiation Therapy for Metastatic Bone Disease: Effectiveness and Harms
18.	Social and Structural Determinants of Maternal Morbidity and Mortality: An Evidence Map
19.	Use of Telehealth During the COVID-19 Era

Table B2. Manuscripts and Other Publications Derived From Healthcare-Related EPC Evidence Reports Published in 2023

1.	Balk EM, Adam GP, D'Ambrosio CM. Large variability in definitions of sleep apnea indices used in clinical studies. <i>J Clin Sleep Med</i> . 2023 Dec 6. doi: 10.5664/jcsm.10918. Epub ahead of print. PMID: 38054476.
2.	Balk EM, Danilack VA, Bhuma MR, et al. Reduced Compared With Traditional Schedules for Routine Antenatal Visits: A Systematic Review. <i>Obstet Gynecol</i> . 2023 Jul 1;142(1):8-18. doi: 10.1097/AOG.0000000000005193. Epub 2023 Jun 7. PMID: 37290105.
3.	Balk EM, Danilack VA, Cao W, et al. Televisits Compared With In-Person Visits for Routine Antenatal Care: A Systematic Review. <i>Obstet Gynecol</i> . 2023 Jul 1;142(1):19-29. doi: 10.1097/AOG.0000000000005194. Epub 2023 Jun 7. PMID: 37290109.
4.	Cantor AG, Nelson HD, Pappas M, et al. Telehealth for Women's Preventive Services for Reproductive Health and Intimate Partner Violence: a Comparative Effectiveness Review. <i>J Gen Intern Med</i> . 2023 May;38(7):1735-43. doi: 10.1007/s11606-023-08033-6. Epub 2023 Jan 17. PMID: 36650334; PMCID: PMC9845023.
5.	Henderson JT, Martin A, Patnode CD, et al. A synthesis of qualitative studies on patient and caregiver experiences with cognitive impairment screening and diagnosis. <i>Aging Ment Health</i> . 2023 Jul-Aug;27(8):1506-17. doi: 10.1080/13607863.2022.2126431. Epub 2022 Oct 3. PMID: 36193565.
6.	Jain A, Brooks JR, Alford CC, et al. Awareness of Racial and Ethnic Bias and Potential Solutions to Address Bias With Use of Health Care Algorithms. <i>JAMA Health Forum</i> . 2023 Jun 2;4(6):e231197. doi: 10.1001/jamahealthforum.2023.1197. PMID: 37266959; PMCID: PMC10238944.
7.	Jarvis JL, Panchal AR, Lyng JW, et al. Evidence-Based Guideline for Prehospital Airway Management. <i>Prehosp Emerg Care</i> . 2023 Dec 22:1-13. doi: 10.1080/10903127.2023.2281363. Epub ahead of print. PMID: 38133523.
8.	Jenkins JL, Hsu EB, Zhang A, et al. Current Evidence for Infection Prevention and Control Interventions in Emergency Medical Services: A Scoping Review. <i>Prehosp Disaster Med</i> . 2023 Jun;38(3):371-7. doi: 10.1017/S1049023X23000389. Epub 2023 Mar 29. PMID: 36987848.
9.	Konnyu KJ, Thoma LM, Cao W, et al. Prehabilitation for Total Knee or Total Hip Arthroplasty: A Systematic Review. <i>Am J Phys Med Rehabil</i> . 2023 Jan 1;102(1):1-10. doi: 10.1097/PHM.0000000000002006. Epub 2022 Mar 12. PMID: 35302954; PMCID: PMC9464791.
10.	McPheeters M, O'Connor EA, Riley S, et al. Pharmacotherapy for Alcohol Use Disorder: A Systematic Review and Meta-Analysis. <i>JAMA</i> . 2023 Nov 7;330(17):1653-65. doi: 10.1001/jama.2023.19761. PMID: 37934220.

Table B2. Manuscripts and Other Publications Derived From Healthcare-Related EPC Evidence Reports Published in 2023 (continued)

11.	Neerland C, Slaughter-Acey J, Behrens K, et al. An Evidence Map for Social and Structural Determinants for Maternal Morbidity and Mortality: A Systematic Review. <i>Obstet Gynecol.</i> 2023 Dec 21. doi: 10.1097/AOG.0000000000005489. Epub ahead of print. PMID: 38128105.
12.	Parsons HM, Forte ML, Abdi HI, et al. Nutrition as prevention for improved cancer health outcomes: a systematic literature review. <i>JNCI Cancer Spectr.</i> 2023 May 22;7(3):pkad035. doi: 10.1093/jncics/pkad035. PMID: 37212631; PMCID: PMC10290234.
13.	Rogers TS, Lushbough B. Schedule of Visits and Televisits for Routine Antenatal Care. <i>Am Fam Physician.</i> 2023 Feb;107(2):187-90. PMID: 36791441.
14.	Russell A, Jenkins JL, Zhang A, et al. A review of infectious disease epidemiology in emergency medical service clinicians. <i>Am J Infect Control.</i> 2023 Aug;51(8):931-937. doi: 10.1016/j.ajic.2022.12.001. Epub 2022 Dec 9. PMID: 36509183.
15.	Saldanha IJ, Adam GP, Kanaan G, et al. Delivery Strategies for Postpartum Care: A Systematic Review and Meta-analysis. <i>Obstet Gynecol.</i> 2023 Sep 1;142(3):529-542. doi: 10.1097/AOG.0000000000005293. PMID: 37535967.
16.	Saldanha IJ, Adam GP, Kanaan G, et al. Health Insurance Coverage and Postpartum Outcomes in the US: A Systematic Review. <i>JAMA Netw Open.</i> 2023 Jun 2;6(6):e2316536. doi: 10.1001/jamanetworkopen.2023.16536. PMID: 37266938; PMCID: PMC10238947.
17.	Shaitelman SF, Anderson BM, Arthur DW, et al. Partial Breast Irradiation for Patients With Early-Stage Invasive Breast Cancer or Ductal Carcinoma In Situ: An ASTRO Clinical Practice Guideline. <i>Pract Radiat Oncol.</i> 2023 Nov 15:S1879-8500(23)00296-5. doi: 10.1016/j.prro.2023.11.001. Epub ahead of print. PMID: 37977261.
18.	Steele DW, Adam GP, Saldanha IJ, et al. Postpartum Home Blood Pressure Monitoring: A Systematic Review. <i>Obstet Gynecol.</i> 2023 Aug 1;142(2):285-95. doi: 10.1097/AOG.0000000000005270. Epub 2023 Jun 13. PMID: 37311173.
19.	Stumbar SE, Minor S. Effectiveness of Telehealth for Women's Preventive Services. <i>Am Fam Physician.</i> 2023 May;107(5):535-8. PMID: 37192080.
20.	Treadwell JR, Kessler SK, Wu M, et al. Pharmacologic and Dietary Treatments for Epilepsies in Children Aged 1-36 Months: A Systematic Review. <i>Neurology.</i> 2023 Jan 3;100(1):e16-e27. doi: 10.1212/WNL.0000000000201026. Epub 2022 Oct 21. PMID: 36270899; PMCID: PMC9827128.
21.	Treatment and Management of Mental Health Conditions During Pregnancy and Postpartum: ACOG Clinical Practice Guideline No. 5. <i>Obstet Gynecol.</i> 2023 Jun 1;141(6):1262-88. doi: 10.1097/AOG.0000000000005202. PMID: 37486661.
22.	Tsou AY, Kessler SK, Wu M, et al. Surgical Treatments for Epilepsies in Children Aged 1-36 Months: A Systematic Review. <i>Neurology.</i> 2023 Jan 3;100(1):e1-e15. doi: 10.1212/WNL.0000000000201012. Epub 2022 Oct 21. PMID: 36270898; PMCID: PMC9827129.
23.	Uhl S, Konnyu K, Wilson R, . Parent perceptions and decision making about treatments for epilepsy: a qualitative evidence synthesis. <i>BMJ Open.</i> 2023 Jan 31;13(1):e066872. doi: 10.1136/bmjopen-2022-066872. PMID: 36720580; PMCID: PMC9890834.
24.	Urtecho M, Wagner B, Wang Z, et al. A qualitative evidence synthesis of patient perspectives on migraine treatment features and outcomes. <i>Headache.</i> 2023 Feb;63(2):185-201. doi: 10.1111/head.14430. Epub 2023 Jan 5. PMID: 36602191.

Table B3. Manuscripts Derived From Healthcare-Related Grants Published in 2023

Publication	Grant Number
1. Albright BB, Heyward QD, Erkanli A, et al. Geographic variation in the rate and route of hysterectomy for benign disease in the USA: A retrospective cross-sectional study. BJOG. 2023 Nov;130(12):1502-10. doi: 10.1111/1471-0528.17509. Epub 2023 May 2. PMID: 37132056; PMCID: PMC10593101.	P50 HS023418
2. Anchan RM, Spies JB, Zhang S, et al. Long-term health-related quality of life and symptom severity following hysterectomy, myomectomy, or uterine artery embolization for the treatment of symptomatic uterine fibroids. Am J Obstet Gynecol. 2023 Sep;229(3):275.e1-275.e17. doi: 10.1016/j.ajog.2023.05.020. Epub 2023 May 26. PMID: 37244458.	P50 HS023418
3. Anchan RM, Wojdyla D, Bortoletto P, et al. A Comparative Analysis of Health-Related Quality of Life 1 Year Following Myomectomy or Uterine Artery Embolization: Findings from the COMPARE-UF Registry. J Womens Health (Larchmt). 2023 Apr;32(4):423-33. doi: 10.1089/jwh.2022.0133. Epub 2023 Jan 13. PMID: 36637808; PMCID: PMC10079244.	P50 HS023418
4. Earla JR, Li J, Hutton GJ, et al. Comparative adherence trajectories of oral disease-modifying agents in multiple sclerosis. Pharmacotherapy. 2023 Jun;43(6):473-84. doi: 10.1002/phar.2810. Epub 2023 May 22. Erratum in: Pharmacotherapy. 2023 Aug 21; PMID: 37157135.	R03 HS028502
5. Gunning R, Chu C, Nakhla N, et al. Major Shifts in Acid Suppression Drug Utilization After the 2019 Ranitidine Recalls in Canada and United States. Dig Dis Sci. 2023 Aug;68(8):3259-67. doi: 10.1007/s10620-023-07958-6. Epub 2023 Jun 3. PMID: 37269368; PMCID: PMC10238237.	R01 HS027985
6. Koroukian SM, Booker BD, Vu L, et al. Receipt of Targeted Therapy and Survival Outcomes in Patients With Metastatic Colorectal Cancer. JAMA Netw Open. 2023 Jan 3;6(1):e2250030. doi: 10.1001/jamanetworkopen.2022.50030. PMID: 36656585; PMCID: PMC9857024.	U18 HS028742
7. Lee S, Stewart EA. New treatment options for nonsurgical management of uterine fibroids. Curr Opin Obstet Gynecol. 2023 Aug 1;35(4):288-93. doi: 10.1097/GCO.0000000000000880. Epub 2023 May 3. PMID: 37144584; PMCID: PMC10330353.	P50 HS023418
8. Malhotra T, Sheyn D, Arora KS. Opioid use disorder at delivery hospitalization in the United States: 2012-2016. Am J Addict. 2023 Sep;32(5):442-9. doi: 10.1111/ajad.13417. Epub 2023 Apr 2. PMID: 36959714; PMCID: PMC10517065.	U18 HS028742
9. Neblett MF 2nd, Stewart EA. Oral Gonadotropin-Releasing Hormone Antagonists for the Treatment of Uterine Leiomyomas. Obstet Gynecol. 2023 May 1;141(5):901-10. doi: 10.1097/AOG.00000000000005145. Epub 2023 Apr 5. PMID: 37103532.	P50 HS023418

Table B4. Healthcare-Related Research Presentations

1.	Bañez LL. Health Resources and Services Administration Office for the Advancement of Telehealth Research Directors Meeting. Oral Presentation. April 2023.
2.	Chang C, Jain A. National Academy of Medicine Meeting on Reconsidering Race in Clinical Algorithms. Oral Presentation. June 2023.
3.	Devine JW, Tadrous M, Mukhopadhyay N, Hernandez I, Rothenberger SD, Kim KC, Suda KJ. Association Between Angiotensin Receptor Blocker Drug Recalls and Adverse Clinical Outcomes in Patients with Heart Failure. International Conference on Pharmacoepidemiology and Therapeutic Risk Management. Oral Presentation. August 2023.
4.	ECRI Penn EPC. Impact of Healthcare Algorithms in Racial and Ethnic Disparities in Health and Healthcare. March 2023, May 2023. Agency for Healthcare Research and Quality and NIMHD.
5.	Iyer S. Annual Meeting of the United States Breastfeeding Committee (USBC). Oral Presentation. September 2023.
6.	Iyer S. Pathways to Prevention Federal Partners Meeting on Nutrition as Prevention for Improved Cancer Health Outcomes. Oral Presentation. April 2023.
7.	Jain A, Siddique S. Tackling Health Inequities: Mitigating Racial and Ethnic Bias in Clinical Guideline Development. Academy Health Annual Research Meeting. Oral Presentation. June 2023.
8.	Jain A. Digital Health Research and Development (DHRD) Workshop: Leveraging Digital Health to Reduce Health Disparities and Inequities. Oral Presentation. April 2023.
9.	Kim KC, Rothenberger SD, Tadrous M, Hernandez I, Gellad W, Maillart L, Suda KJ. Impact of the COVID-19 Pandemic on the Incidence of Drug Shortages in the United States. International Conference on Pharmacoepidemiology and Therapeutic Risk Management. Poster Presentation. August 2023. *Received an award for the highest scored abstract
10.	Niebuhr D. Discussion on Two Primary Care-related EPC Projects: Healthcare Spending and Behavioral Health Screening for Children in Primary Care. HHS Primary Health Care Leadership Advisory Group Meeting. Oral Presentation. June 2023.
11.	Pacific Northwest Evidence Based Practice Center. Cervical Degenerative Disease Treatment. Cervical Fusion Multi-Jurisdictional Contractor Advisory Committee (CAC) Meeting. Oral Presentation. August 2023.
12.	Southern California Evidence Based Practice Center. ADHD Diagnosis and Treatment in Children and Adolescents. American Academy of Pediatrics Guideline Panel Meeting. Oral Presentation. August 2023.
13.	Tipton K, Schmidt H, Siddique S, Aysola J. The Impact of Clinical Algorithms on Racial and Ethnic Disparities - Findings from a Systematic Review, and Critical Discussion of Policy Options and Value Tradeoffs. American Society for Bioethics and Humanities 25th Annual Conference. Oral Presentation. October 2023.
14.	Totten A. Policy-Informed Telehealth Research Workshop. Oral Presentation. February 2023.

Appendix C. New Research

Table C1. Healthcare-Related EPC Evidence Reports in Progress in 2023

1.	Adverse Events Associated With COVID-19 Pharmaceutical Treatments
2.	Attention Deficit Hyperactivity Disorder: Diagnosis and Treatment in Children and Adolescents
3.	Behavioral Interventions for Migraine Treatment
4.	Breastfeeding and Health Outcomes for Infants and Children
5.	Clinician- and Patient-Targeted Strategies to Address Racial, Ethnic, and Socioeconomic Disparities in Adults
6.	Dental Care for Persons With Hemophilia
7.	Dental Care for Persons With Sickle Cell Disease
8.	Diagnosis and Management of Obsessive-Compulsive Disorders in Children
9.	Diagnosis and Treatment of Tethered Spinal Cord
10.	Documentation Burden
11.	Evaluation of Dietary Protein Intake Requirements
12.	Evidence Map on Home- and Community-Based Services
13.	Fiber Intake and Laxation Outcomes
14.	Genitourinary Syndrome of Menopause: A Systematic Review
15.	Healthcare Delivery of Clinical Preventive Services for People With Disabilities
16.	Healthcare Industry Waste and Lifecycle Assessment
17.	Implementation of Recommended Screening and Counseling Interventions To Prevent Mental Health Disorders in Children and Adolescents
18.	Interventions To Improve Care of Bereaved Persons
19.	Long COVID Models of Care
20.	Making Healthcare Safer IV: Active Infection Surveillance of <i>Clostridioides difficile</i> and Multidrug-Resistant Organisms: Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA), Carbapenem-Resistant Enterobacterales (CRE), <i>Candida auris</i>
21.	Making Healthcare Safer IV: Computerized Clinical Decision Support To Prevent Medication Errors and Adverse Drug Events
22.	Making Healthcare Safer IV: Deprescribing To Reduce Medication Harms in Older Adults
23.	Making Healthcare Safer IV: Engaging Family Caregivers With Structured Communication for Safe Care Transitions
24.	Making Healthcare Safer IV: Failure To Rescue—Rapid Response Systems
25.	Making Healthcare Safer IV: Fatigue and Sleepiness of Clinicians Due to Hours of Service

Table C1. Healthcare-Related EPC Evidence Reports in Progress in 2023 (continued)

26.	Making Healthcare Safer IV: Healthcare Workers' Implicit Bias Training and Education
27.	Making Healthcare Safer IV: Opioid Stewardship
28.	Making Healthcare Safer IV: Prevention of Transmission of Infection With Multidrug-Resistant Organisms
29.	Making Healthcare Safer IV: Protocols for High-Risk Drugs: Reducing Adverse Drug Events Related to Anticoagulants
30.	Making Healthcare Safer IV: Sepsis Prediction, Recognition, and Intervention
31.	Management of Suicidal Thoughts in Youth
32.	Measures for Primary Healthcare Spending
33.	Mental Health and Occupational Stress in the Emergency Medical Service and 911 Workforce: A Systematic Review
34.	Nonpharmacologic Treatment for Maternal Mental Health Conditions
35.	Psychosocial and Pharmacologic Interventions for Disruptive Behavior in Children and Adolescents
36.	Respectful Maternity Care: Dissemination and Implementation of Perinatal Safety Culture To Improve Equitable Maternal Healthcare Delivery and Outcomes
37.	Strategies for Integrating Behavioral Health and Primary Care
38.	System-Level and Practice-Level Strategies To Address Racial, Ethnic, and Socioeconomic Disparities in Adults
39.	Systematic Review of Mindfulness-Based Interventions for Mental Health in Children and Adolescents
40.	Systematic Review of Peripheral Nerve Blocks for Postoperative Pain Management
41.	The Effect of Dietary Digestible Carbohydrate Intake on Risk of Type 2 Diabetes, Growth, Size, and Body Composition
42.	The Effect of Protein Intake on Health
43.	The Relationship of Digestible Carbohydrate Intake With Cardiovascular Disease
44.	Trauma-Informed Care
45.	Treatment of Stage I-III Squamous Cell Anal Cancer
46.	Updating the Framework for AHRQ's National Healthcare Quality and Disparities Report (NHQDR)
47.	Updating the Measurement Criteria for AHRQ's National Healthcare Quality and Disparities Report (NHQDR)

Table C2. Healthcare-Related Grants Active in 2023

Grant Number	Title
1. R01 HS027985-03	Impact of COVID-19 on Drug Shortages
2. R03 HS028502-02	Oral Adherence Trajectories of Disease Modifying Agents and Associated Relapse Rates Among Patients With Multiple Sclerosis
3. R18 HS027913-03	Addressing Opioid Use Disorder in Older Adults Through Primary Care Innovation (OUD-PCI)
4. U18 HS028736-02	Improving Primary Care Understanding of Resources and Screening for Urinary Incontinence to Enhance Treatment (PURSUIT)
5. U18 HS028742-02	Empowering Women and Providers for Improved Care of Urinary Incontinence: EMPOWER Study

Appendix D. Partnerships

Table D1. Federal Partners

1.	Administration for Community Living (ACL)/National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR)
2.	Agency for Healthcare Research and Quality (AHRQ)
3.	Centers for Disease Control and Prevention (CDC)
4.	Centers for Medicare and Medicaid Services (CMS)
5.	Office of the Assistant Secretary for Planning and Evaluation (ASPE)
6.	Health Resources and Services Administration (HRSA)
7.	National Cancer Institute (NCI)
8.	National Highway Traffic Safety Administration (NHTSA)
9.	National Institutes of Health Office of Disease Prevention (NIH-ODP)
10.	National Institute of Mental Health (NIMH)
11.	Office of the Assistant Secretary for Health (OASH)
12.	Substance Abuse and Mental Health Services Administration (SAMHSA)
13.	United States Congress
14.	United States Department of Agriculture (USDA)
15.	United States Department of Veterans Affairs (VA)

Table D2. Non-Federal Partners

1.	Academic Consortium for Integrative Medicine and Health (ACIMH)
2.	American Academy of Pediatrics (AAP)
3.	American Academy of Child and Adolescent Psychiatry (AACAP)
4.	American College of Obstetricians and Gynecologists (ACOG)
5.	American Headache Society (AHS)
6.	American Medical Informatics Association (AMIA)
7.	American Psychological Association (APA)
8.	American Society of Anesthesiologists (ASA)
9.	American Society of Clinical Oncology (ASCO)
10.	American Society for Radiation Oncology (ASTRO)
11.	American Urological Association (AUA)
12.	Congress of Neurological Surgeons (CNS)
13.	Denver Health
14.	Intermountain Health
15.	Kaiser Permanente Care Management Institute
16.	Patient-Centered Outcomes Research Institute (PCORI)

Appendix E. Methods-Related Research

Table E1. Methods-Related Reports and Projects Completed in 2023

1.	AHRQ Challenge on Integrating Healthcare System Data with Systematic Review Findings Winners Announced
2.	AHRQ Evidence-based Practice Center (EPC) Program Research Gaps Summary: Pain Management
3.	AHRQ Evidence-Based Practice Center (EPC) Program Research Gaps Summary: Telehealth
4.	Making Healthcare Safer IV: Final Report on Prioritization of Patient Safety Practices for a New Rapid Review or Rapid Response

Table E2. Methods-Related Manuscripts Published in 2023

1.	Lee SS, French B, Balucan F, McCann MD, Vasilevskis E. Characterizing Hospitalization Trajectories in the High-Need, High-Cost Population using Electronic Health Record Data. <i>Health Affairs Scholar</i> . 2023 Dec;qxad077. https://doi.org/10.1093/haschl/qxad077 .
2.	Shelton E, Mossburg S, Thompson L, Savitz L. Stakeholder-engaged co-design and implementation of web-based tools to enhance the dissemination and implementation of AHRQ EPC reports. <i>Learn Health Syst</i> . 2022 Aug 23;7(2):e10326. doi: 10.1002/lrh2.10326. eCollection 2023 Apr. PMID: 37066098; PMCID: PMC10091196.

Table E3. Methods-Related Research Presentations

1.	Bañez LL. AHRQ Evidence-based Practice Center and NIH Pathways to Prevention Programs: A Decade-long Partnership in Closing Evidence Gaps. <i>Cochrane Colloquium</i> . Oral Presentation. September 2023.
2.	Fiordalisi C, Kuhn E, Holmer H, Helfand M, Chang C, Umscheid C. Building Partnerships Across the Systematic Review Community in the United States: Efforts by the AHRQ EPC Program. <i>Cochrane Colloquium</i> . Poster Presentation. September 2023.
3.	Iyer S, Wang Z, Murad H, Tsou A, Forte M, Butler M, Umscheid C. Using Real-World Evidence to Augment Systematic Review Findings. <i>Cochrane Colloquium</i> . Poster Presentation. September 2023.
4.	Iyer S. Advancing Healthcare Diagnostics and Treatment Approaches: Novel Applications of Imaging Technologies and Patient-Centered Practice Guidelines. <i>Heath Technology Assessment International (HTAi)</i> . Moderator. June 2023.
5.	Iyer S. Innovative Approaches to Health Technology Assessment: Disinvestment, Digital Health, and Risk Adjustment. <i>Heath Technology Assessment International (HTAi)</i> . Moderator. June 2023.
6.	Iyer S. Real World Evidence (RWE) and Pathways to Fast-track Innovation While Minimizing Risk. <i>International Network of Agencies for Health Technology Assessment (INAHTA)</i> . Oral Presentation. June 2023.
7.	Iyer S. Revolutionizing Healthcare: Digital Innovations and Complex Decision-Making. <i>Heath Technology Assessment International (HTAi)</i> . Moderator. June 2023.
8.	Kansagara D. Living Reviews: Practical Considerations for Adapting Scope and Communicating Evolving Evidence. <i>Cochrane Colloquium</i> . Oral Presentation. September 2023.
9.	Murad H. Use of Meta-Analyses in Nutrition Research and Policy: Planning of Meta-Analysis. <i>The National Academies' Food and Nutrition Board Workshop</i> . Oral Presentation. September 2023.
10.	Saldanha I. The Improved Systematic Review Data Repository Plus (SRDR+): A Free, "FHIR-ed up" Tool for Screening, Data Extraction, and Data Sharing. <i>Cochrane Colloquium</i> . Oral Presentation. September 2023.
11.	Simpson L, Bañez LL, Chang C, Savitz L, Vishwanathan M, Butler M. Accelerating D&I of AHRQ Evidence Reports. <i>16th Annual Conference on the Science of Dissemination and Implementation in Health</i> . Oral Presentations/Workshop. December 2023.

