

# Addressing Adverse Childhood and Adult Experiences During Prenatal Care

Sara Johnson, MD, Nadine A. Kasparian, PhD, Arlene S. Cullum, MPH, Tracy Flanagan, MD, Carolyn Ponting, PhD, Leslie Kowalewski, BS, and Elliott K. Main, MD

Adverse childhood and adult experiences can affect health outcomes throughout life and across generations. The perinatal period offers a critical opportunity for obstetric clinicians to partner with patients to provide support and improve outcomes. This article draws on stakeholder input, expert opinion, and available evidence to provide recommendations for obstetric clinicians' inquiry about and response to pregnant patients' past and present adversity and trauma during prenatal care encounters. Trauma-informed care is a universal intervention that can proactively address adversity and trauma and support healing, even if a patient does not explicitly disclose past or present adversity. Inquiry about past and present adversity and trauma provides an avenue to offer support and to create individualized care plans. Preparatory steps to adopting a trauma-informed approach to prenatal care include initiating education and training for practice staff, prioritizing addressing racism and health disparities, and establishing patient safety and trust. Inquiry about adversity and trauma, as well as resilience factors, can be implemented gradually over time through open-ended questions, structured survey measures, or a combination of both techniques. A range of evidence-based educational resources, prevention and intervention programs, and community-based initiatives can be included within individualized care plans to improve perinatal health outcomes. These practices will be further developed and improved by increased clinical training and research, as well as through broad adoption of a trauma-informed approach and collaboration across specialty areas.

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It is well established that “childhood adversity casts a long shadow.”<sup>1</sup> The landmark 1998 ACEs (Adverse Childhood Experiences) study<sup>2</sup> demonstrated ways in

which childhood experiences of abuse, neglect, and vulnerabilities such as parental substance misuse or mental illness may be associated with adverse physical

From *La Clinica de La Raza*, Oakland, the California Maternal Quality Care Collaborative and the Departments of Pediatrics and Obstetrics and Gynecology, School of Medicine, Stanford University, Palo Alto, and the Department of Psychiatry and Behavioral Sciences, University of California, San Francisco, San Francisco, California; and the Department of Pediatrics, University of Cincinnati College of Medicine, Center for Heart Disease and Mental Health, Heart Institute, and Division of Behavioral Medicine and Clinical Psychology, Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio.

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Corresponding author: Elliott K. Main, MD, California Maternal Quality Care Collaborative, Palo Alto, CA; email: [emain@stanford.edu](mailto:emain@stanford.edu).

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and mental health outcomes throughout life. Large-scale efforts to translate scientific understanding of links between early adversity and health outcomes<sup>3,4</sup> into trauma-informed clinical care are underway.<sup>5-7</sup> Aligned with these efforts, the American College of Obstetricians and Gynecologists has recommended that obstetrician–gynecologists adopt a trauma-informed approach across all levels of practice, including routine screening for past and present trauma.<sup>8</sup>

*Trauma* is defined as an event or series of events experienced as life threatening or overwhelming with lasting physical, psychological, social, emotional, or spiritual effects.<sup>6</sup> Trauma is common, with more than 70% of respondents in multiple samples reporting at least one traumatic event in their lifetime.<sup>9</sup> Although adversity and trauma affect people across racial, ethnic, and socioeconomic classes, Black individuals, Indigenous people, people of color, and individuals living in low-income communities face a disproportionately high exposure to trauma compared with those who are White or economically advantaged.<sup>10,11</sup> In addition, trauma has an intergenerational pattern, with biological effects and increased susceptibility to mental health conditions observed among children of trauma-exposed individuals.<sup>12</sup> Trauma-informed care is a strengths-based model of care delivery that incorporates an understanding of how trauma affects people in routine clinical practice.<sup>6</sup> It is a universal intervention that can proactively address trauma and support healing, even if a patient does not explicitly disclose past or present adversity.

Pregnancy is a pivotal time in the lives of people who have experienced early adversity and trauma. It is a time characterized by increased medical and psychosocial risk,<sup>13</sup> as well as greater engagement with health care,<sup>11,14</sup> greater motivation for health behavior change,<sup>15,16</sup> and increased plasticity of both the maternal and fetal brain.<sup>17-20</sup> Obstetric clinicians routinely address challenging and complex psychosocial and medical situations that may result from or be influenced by trauma. By practicing trauma-informed care, clinicians may significantly reduce patient fear and distress and improve their counseling effectiveness and patient adherence to clinical recommendations.<sup>21</sup>

Existing data indicate that screening for ACEs in prenatal care is feasible and acceptable to patients and results in improved patient–clinician relationships.<sup>22</sup> Although obstetrics and gynecology residents believe in the importance of assessing and addressing their patients' histories of trauma, abuse, and interpersonal violence, most feel unprepared and insufficiently trained to effectively evaluate and manage this aspect

of prenatal care.<sup>23</sup> Education about trauma-informed care can increase clinicians' knowledge of, attitudes about, and confidence in providing psychosocial support,<sup>24</sup> which may also improve their job satisfaction and reduce their risk for burnout.<sup>25</sup>

Although universal screening for past and present trauma in prenatal care is recommended and is increasingly being implemented,<sup>26</sup> there is a paucity of research to guide clinicians on how to implement these recommendations.<sup>27</sup> The objectives of this article are to provide an overview of fundamental trauma-informed care concepts and to recommend practices informed by available evidence and stakeholder input, tailored to obstetric clinicians interested in inquiring about and responding to adverse childhood and adult experiences in prenatal encounters.

## METHODOLOGY

This project was undertaken as a collaborative effort by the California Maternal Quality Care Collaborative and key stakeholders. The California Maternal Quality Care Collaborative identified and engaged 17 key stakeholders from the American College of Obstetricians and Gynecologists and other professional organizations (n=6), academic institutions (n=2), obstetric and pediatric settings (n=2; including professionals serving perinatal populations with the highest rates of maternal and infant death, morbidity, and adversity), and government (n=4) and community members representing individuals with lived experience of childhood adversity (n=3).<sup>28</sup> Stakeholders met frequently as a group over 5 months to review concepts and emerging practices for addressing past and present adversity, trauma, and resilience in prenatal care. The group considered scientific evidence; patient, clinician, and researcher perspectives; standards of obstetric and perinatal care; multiple practice models; and practical, feasible steps toward implementation of practice change. Using a consensus-based approach, we developed a set of recommendations for obstetric clinicians to guide inquiry about and response to adversity, trauma, and resilience in prenatal care. In addition to key stakeholder input, comprehensive review and feedback were provided by an external expert review panel including 15 clinician and research leaders. Concurrently, a scoping review following PRISMA (Preferred Reporting Items for Systematic Reviews and Meta-Analyses) extension guidelines for scoping reviews<sup>29</sup> was carried out to critically appraise the evidence on associations between adverse childhood experiences identified during pregnancy and maternal perinatal and neonatal health outcomes. Although the findings informed

recommendations, this review is being published separately, and the protocol has been made available through the Open Science Framework at <https://osf.io/hbrz7> (registration DOI: <https://doi.org/10.17605/OSF.IO/HBRZ7>).

## BASIC PRINCIPLES FOR A TRAUMA-INFORMED APPROACH

The goals of trauma-informed care are to realize and recognize the effects of trauma, respond with support and pathways for healing, and resist retraumatization. Fundamental to this is an understanding of how adversity and trauma manifest in prenatal care. Among pregnant patients, past and present adversities may interact and have cumulative effects, contributing to stress-related pathology (Fig. 1).<sup>10,30–42</sup> Early exposure to sexual abuse, for example, is associated with increased risk of experiencing sexual assault and intimate partner violence in adulthood, each of which has been associated with adverse birth outcomes.<sup>38,39</sup> Early adversity is also associated with an increased risk of health conditions that heighten susceptibility to adverse perinatal outcomes such as obesity, hypertension, and diabetes.<sup>2,36</sup>

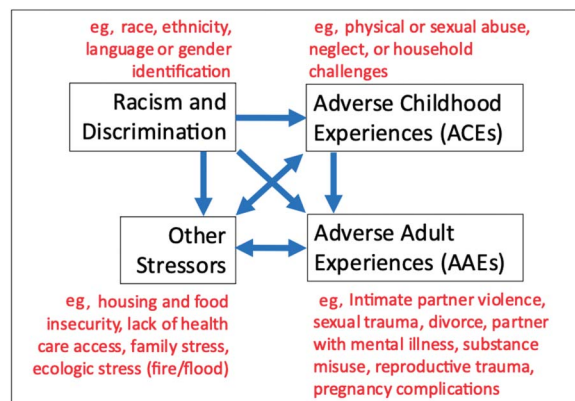
It is important to note that adversity does not always result in pathology. Responses to stressors can be conceptualized on a continuum, from positive to tolerable to toxic. A toxic stress response<sup>4</sup> can occur when strong, frequent, or prolonged adversity (eg, physical, emotional or sexual abuse, chronic neglect or caregiver mental illness, accumulated burdens of racism, discrimination, or economic hardship) is experienced without adequate support. Prolonged activa-

tion of biological stress response systems can disrupt the development of brain architecture and other physiological processes, as well as behavioral and psychological adaptation, and increase the risk of stress-related disease and neurocognitive impairment well into adulthood.<sup>43</sup> Whether biological changes resulting from stress are toxic or adaptive depends on a range of individual and environmental factors.<sup>4,13</sup> Weathering is a construct that emerged from observations of racial disparities in perinatal outcomes and refers to the cumulative effects of long-term stress exposure (eg, racism, political marginalization, economic hardship) contributing to early and ongoing health deterioration, including adverse pregnancy and birth outcomes.<sup>44,45</sup> Although toxic stress highlights the disruption of early developmental trajectories and weathering focuses on premature health deterioration, both constructs place emphasis on the biological embedding of lived experiences contributing to adverse health outcomes (Table 1).

Understanding how past and present experiences and socioecologic contexts affect biology, psychology, and behavior can reduce stigma associated with conditions often attributed to poor individual choices (eg, obesity, substance misuse) and inform more effective recommendations. Through this lens, non-adherence to clinical recommendations, rather than being a personal shortcoming, may derive from a lack of basic resources, such as transportation or health insurance, or symptoms of posttraumatic stress, such as avoidance, which can affect one's ability to attend appointments. In the perinatal period, resilience and protective factors, such as early positive experiences, social support, psychotherapy, and healthy coping skills, can moderate the effects of stress and adversity on health outcomes.<sup>46,47</sup> Multidimensional approaches to fostering resilience and wellbeing in adulthood, such as compassionately underscoring the importance of healthy relationships, regular physical activity, good nutrition, adequate sleep, experiences in nature, and access to timely, evidence-based mental health care when needed, may be especially helpful to patients who have experienced adversity and trauma<sup>3,48</sup> (Fig. 2).

## A Trauma-Informed Approach to Prenatal Care

A trauma-informed approach emphasizes patient choice and empowerment, creates a safe environment for discussion of traumatic experiences and effects on health behavior, is nonjudgmental and supportive, emphasizes strengths and resilience, and is sensitive to triggers that may lead to retraumatization.<sup>21</sup> Core



**Fig. 1.** Personal life course: web of stresses. Adverse childhood experiences interact with other sources of personal stress that can cumulatively affect perinatal and infant outcomes

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**Table 1. Key Terms and Definitions**

Term	Definition
Trauma	An event or series of events experienced as harmful or life-threatening, with lasting adverse effects on mental, physical, social, or spiritual wellbeing <sup>6</sup>
ACEs	10 categories of adversity examined in the ACEs study, representing abuse, neglect, and household challenges (eg, parental divorce, substance misuse, or mental illness), experienced before age 18 y <sup>2</sup>
Resilience	The ability of an individual, family, or community to cope with adversity or trauma and adapt to challenges or change <sup>73</sup>
Stress	A real or perceived threat to the physiological or psychological integrity of an individual that results in physiologic, emotional, cognitive, or behavioral responses <sup>127</sup>
Toxic stress	Prolonged activation of biological stress-response systems that disrupts physiologic processes and behavioral and psychological adaptation and increases the risk of stress-related disease and neurocognitive impairment well into adulthood <sup>6</sup>
Weathering	A theory that the cumulative effects of long-term exposure to stressors (eg, economic adversity, political marginalization, racism) lead to early health deterioration and worse perinatal outcomes <sup>40</sup>

ACEs, adverse childhood experiences.

principles include safety, trustworthiness, transparency, collaboration, peer support, cultural humility and responsiveness, and empowerment (Table 2). Trauma-informed care seeks a fundamental shift away from a focus on pathology (eg, “What’s wrong with you?”) to a focus on events, experiences, and effects (eg, “What happened to you?”). Asking “What helps?” enables a focus on strengths and resilience.

For patients with a trauma history, aspects of the experience of pregnancy and prenatal care, labor and birth, breastfeeding, and infant care may be empowering, feel challenging, or evoke reminders of past trauma. Experiences of childbirth, for example, can remind patients with a history of childhood maltreatment of previous experiences of loss of control and may serve as a catalyst to re-experiencing abuse or dissociation.<sup>49,50</sup> Reminders of past trauma may also arise from power imbalances inherent in the doctor-patient relationship, as well as abdominal or pelvic examinations,<sup>51</sup> pelvic pain,<sup>49</sup> breastfeeding,<sup>52</sup> or infant crying.<sup>53</sup> In one study of adolescent mothers who had experienced childhood trauma, 65% reported experiencing triggers of past trauma during pregnancy and postpartum.<sup>51</sup> In addition to having an

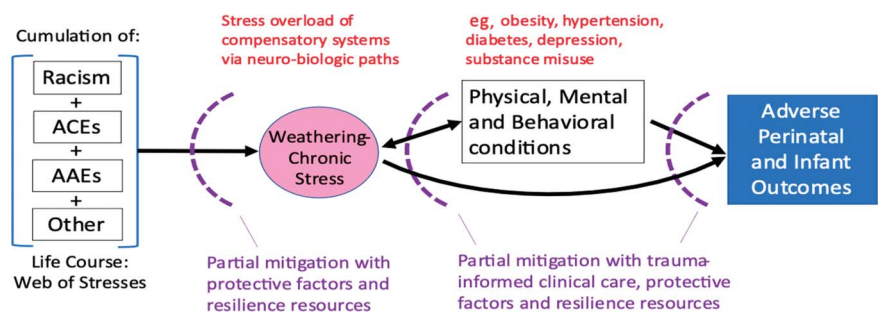
opportunity to discuss past trauma, patients with a history of childhood adversity have identified continuity of care and clinicians (so as to not have to retell their story multiple times) and integrated mental health services<sup>54</sup> as elements that enhance trust in and improve experiences of perinatal care.<sup>51</sup>

### Engaging Patients in Conversations About Past and Present Trauma, Adversity, and Resilience

Prenatal patients’ interest in discussing experiences of adversity and trauma with prenatal clinicians is well documented.<sup>55–57</sup> Flanagan et al<sup>22</sup> showed that most prenatal patients (85%) strongly or somewhat strongly agreed that clinicians should ask their prenatal patients about ACEs, and 91% were comfortable discussing ACEs with their clinician. The purpose of inquiry is to identify patients who have experienced adversity and trauma and to respond with support and an appropriate plan for care. Although the optimal mode of screening and the optimal clinical response have not been established, the following best practices informed by available evidence, stakeholder perspectives, and prenatal care standards will help with developing an initial approach to inquiry and response.

**Fig. 2.** Relationship of life stresses and adverse perinatal and infant outcomes. The cumulative effect of life stresses can directly or indirectly lead to weathering, chronic stress, and adverse pregnancy outcomes with at least three points for mitigation. ACEs, adverse childhood experiences; AAEs, adverse adult experiences

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**Table 2. Components of Trauma-Informed Care and Prenatal Practice Examples**

Key Components of Trauma-Informed Care	Prenatal Practice Example
1. Establish a physically and emotionally safe environment.	When appointments are made, staff will ask patients whether there is anything their prenatal clinician needs to know to make their upcoming visit more comfortable. Staff welcomes the patient on arrival and informs them about any anticipated wait times.
2. Prioritize patient voice and choice, control, dignity, and empowerment.	Patients with a history of sexual abuse may find pelvic examinations distressing. The prenatal clinician will provide descriptions before and during the examination, seek permission before initiating touch, offer the patient as many choices as possible throughout the examination (eg, allowing clothing to be shifted rather than removed), and stop the examination at any time on request.
3. Build trust, transparency, and partnership between patients and prenatal clinicians.	The prenatal clinician will provide a clear description of the purpose of screening and how the patient's responses will inform the development of a shared perinatal care plan. Prenatal clinic staff will approach all patients with nonjudgmental support, adopting a strengths-based approach to care.
4. Recognize the signs and symptoms of trauma on physical and mental health and respond in ways that are compassionate and supportive.	Staff and patients will be provided with education on how to recognize and respond to the role that past or present stressors may play on current health and well-being. Staff will ensure that screening findings are incorporated into birth care plans.
5. Emphasize strengths, resiliency, and the importance of positive experiences.	Prenatal clinicians have the potential to ease or exacerbate an individual's capacity to cope with traumatic experiences. Assessing for, recognizing, and integrating patient strengths into prenatal and postnatal care plans assist in maintaining emotional safety.
6. Provide care that is sensitive to the patient's racial, ethnic, and cultural background and gender identity.	The prenatal practice will establish policies, practices, and processes that are inclusive, equitable, and responsive to the diverse needs of patients. Prenatal clinicians will provide patients with language-appropriate resources, ask for patient information in gender-diverse and community-inclusive ways, and take cultural perspectives into account to ensure that patients understand and are comfortable with the care they receive.

## HOW TO PREPARE THE PRENATAL PRACTICE

### Form a Team and Engage Leadership

At an organizational or clinical practice level, trauma-informed care involves recognizing the effects that trauma has on both prenatal patients and staff. Steps for practice participation include the following:

1. Identify a prenatal practice champion. How to start and whom to engage can look different across different settings. Smaller practices may begin with a single champion. In larger practices, a small team of clinicians and staff may work together to engage leadership and peers. Regardless of the size of the practice, building support within the practice is critical to success.
2. Engage clinical leadership and key decision makers within the practice. Having the support of leadership and key decision makers within the practice is important to ensuring successful and sustainable

change. Crafting a plan that empowers staff to be part of the transformation process can help generate buy-in throughout the practice. Leadership will need to establish strategies for implementing the changes and clearly communicate the rationale and benefits to both patients and staff.

3. Engage clinicians and staff within the practice, and provide opportunities to learn about trauma-informed care and how trauma can affect individuals, families, groups, organizations, and communities.
4. Form an implementation team to develop key processes, procedures, roles and responsibilities, and a timeline with milestones. Depending on the practice setting, the team could include representation from clinicians (eg, obstetricians, nurses, medical assistants, midwives, psychologists, psychiatrists, social workers, peer support specialists), practice administration (eg, office

manager, senior leadership, administrative staff, front desk staff, information technology), community-based services (eg, leaders of community-based organizations, social services, early intervention services, faith-based organizations, government programs), and patients. Larger practices may form a patient advisory board; smaller practices may invite a few patients to represent the patient voice. Examples of toolkits addressing practice change include the ACEs Aware implementation toolkit (<https://acesaware.org/implement-screening/>), the National Health Resource Center on Domestic Violence practice preparation toolkit (<http://ipvhealth.org/health-professionals/>), and the library of resources offered by the Trauma-Informed Care Implementation Resource Center (<https://traumainformedcare.chcs.org/resources-for-becoming-trauma-informed/>).

### **Initiate Education and Training for Clinicians and Staff**

Training in trauma-informed care will ideally occur for all clinicians and staff and is essential for anyone involved in the screening process. For obstetrics and gynecology residents, recent data indicate that the most useful elements of didactic training for assessing trauma history in pregnancy are demonstration and practice of interview skills using simulation or role play.<sup>58</sup> In this study, which includes a freely available training and role-play module, basic skills in empathic communication were found to be useful but not essential. Another freely available option for trauma-informed care training is the ACEs Aware core curriculum (<https://training.acesaware.org>).

### **Support Clinician and Staff Wellbeing**

Clinicians and staff may experience traumatic stress in the context of addressing patients' trauma attributable to vicarious trauma (eg, stress related to hearing patients' stories) or reminders of past personal adverse experiences.<sup>58</sup> Providing obstetric care can itself be a source of traumatic stress.<sup>59,60</sup> Leaders can normalize and validate these experiences and encourage clinicians and staff to seek support through confidential employee assistance programs, psychologists and other mental health professionals, or peer support and community-based programs. Organizational culture, policies, and practices that embrace the principles of trauma-informed care can support clinician and staff wellbeing and minimize retraumatization.<sup>61</sup> The Adult Resilience Curriculum, available through the Mental Health Technology Transfer Center Net-

work, is a 10-module training for implementing practices that support staff wellbeing at the individual and organizational level (<https://mhctnetwork.org/centers/mid-america-mhct/professional-well-being>).

### **Prepare a List of Available Resources and Referral Options**

Begin to develop a list of support services and interventions available to perinatal patients to prevent and treat high levels of stress or distress, to support healthy coping and resilience, and to foster positive relationships. What is recommended to patients will depend on the resources in the clinical setting and the community. This process may take some time and effort and include outreach to and partnering with community-based organizations in the network of care. The local county maternal and child health personnel may be of assistance in the preparation of local resources (Table 3).

### **Prioritize Education and Training Addressing Racism and Discrimination**

Addressing racism, discrimination, and health disparities is a priority in obstetrics and gynecology<sup>62</sup> and an essential component of a trauma-informed approach.<sup>63</sup> Engaging in ongoing training on unconscious bias and employing more clinicians and staff who come from diverse backgrounds and reflect the community being served can begin to address the warranted mistrust of the medical system commonly reported by marginalized birthing people.

### **Gradually Implement Inquiry About or Screening for Past and Present Adversity and Trauma**

1. Ensure safety and transparency. Screening for past and present adversity and trauma should always be conducted in private, and participation should be optional. It may be useful to provide information about screening before the visit so that patients are informed and can decide whether to bring a friend, family member, or other supportive person.
2. Include resilience. When screening for adversity and trauma, we strongly recommend also inquiring about strengths and resilience. A strengths-based approach acknowledges the importance of protective factors in determining health outcomes<sup>57,58</sup> and is favored by patients.<sup>49</sup> During our engagement with key stakeholders, many expressed concerns about the term resilience, perceived as potentially making patients, especially

**Table 3. Example Resources and Community-Based Programs\***

Resource Type	Potential Options
Educational classes	Managing depression and anxiety in the perinatal period Relaxation, meditation, and mindfulness Stress reduction Exercise during pregnancy Childbirth preparation Parenting and child development
Support groups	Intimate partner violence Prenatal and postpartum anxiety and depression New parents
Treatments	Interpersonal therapy Parent–infant psychotherapy and attachment-based therapies Cognitive behavioral therapy home visiting Substance misuse Psychopharmacotherapy
Support programs	Group-based prenatal care Nurse–family partnership: case management and nurse home visiting for primiparas Healthy Families America: home visiting for families at risk of child abuse and neglect Doula services Black Infant Health Program or other local programs to reduce health disparities
Community resources	WIC and local farmers’ markets Parks and Recreation Department exercise classes Walking groups
Telephone support and crisis intervention	9-8-8 Hotline for Mental Health Emergencies Mental Health Access Line: 1-888-678-7277 SAMHSA National Helpline: 1-800-662-HELP (4357) National Crisis Text Line: text HOME to 741-741 National Domestic Violence Hotline: 1-800-799-SAVE (7233) National Suicide Prevention Lifeline: 1-800-273-TALK (8255)
Online and apps	Psychoeducation handout about trauma, posttraumatic stress disorder, and pregnancy: <a href="https://onlinelibrary.wiley.com/doi/full/10.1111/jmwh.12705">https://onlinelibrary.wiley.com/doi/full/10.1111/jmwh.12705</a> Online research-informed module for survivors of childhood sexual abuse in pregnancy: <a href="https://rise.articulate.com/share/8Oo2-UGd5Jc5AyjV6rs5iyc4cf5tF88S#/">https://rise.articulate.com/share/8Oo2-UGd5Jc5AyjV6rs5iyc4cf5tF88S#/</a> ACEs Too High News Blog: <a href="https://acestoohigh.com">https://acestoohigh.com</a> Resources for health care professionals and patients: <a href="https://www.ACEsAware.org">https://www.ACEsAware.org</a> Mindfulness apps: Calm, Headspace, Insight Timer Parenting apps: MindMum, Mind the Bump Sleep support apps: CBT-I Coach <a href="https://mobile.va.gov/app/cbt-i-coach">https://mobile.va.gov/app/cbt-i-coach</a> ; Insomnia Coach <a href="https://mobile.va.gov/app/insomnia-coach">https://mobile.va.gov/app/insomnia-coach</a>

WIC, Women Infants and Children; SAMHSA, Substance Abuse and Mental Health Services Administration; apps, applications; ACEs, Adverse Childhood Experiences study.

\* Check to see which of these resources and programs are available in your community. Most of these resources can be provided at no or low cost to the family and may include a voucher for transportation or home-visiting option.

Black birthing people, feel that they were required to personally overcome burdens resulting from long-standing structural inequities. A list of screening tools to assess resilience and strengths is provided in Appendix 1, available online at <http://links.lww.com/AOG/D156>.

- Use open-ended questions, structured survey measures, or both. There is no one established way to screen for adversity, trauma, strengths, and resilience in the prenatal setting.<sup>47</sup> Box 1 provides examples of open-ended questions informed by scientific evidence, clinical experi-

ence, and stakeholder engagement. These questions are designed to guide conversations about experiences of resilience, stress, and trauma.

A list of structured screening tools used to screen for childhood and adult adverse experiences is provided in Appendix 2, available online at <http://links.lww.com/AOG/D156>. The 10-item ACEs Questionnaire<sup>2,64</sup> is one option for screening for childhood adversity and is increasingly being used in pediatric and adult health care settings.<sup>65,66</sup> The ACEs Questionnaire can be completed in identified or deidentified formats, and language translations are available.

The total score indicates the number of ACEs an individual has experienced. There is no validated cutoff score, and assessment of ACEs alone does not indicate whether a person is experiencing high levels of stress or distress; however, attending to the type of ACEs experienced may be important in informing the clinician's approach to the patient.<sup>46,67</sup> In California, the ACEs Aware initiative has trained more than 20,000 health care professionals in screening for ACEs, and more than 700,000 total screenings have

### **Box 1. Sample Questions to Engage Prenatal Patients in Conversations About Resilience, Stress, and Trauma\***

#### **Sample questions to engage prenatal patients in conversation about stress, adversity, and trauma**

1. What is going well right now?  
*To frame the conversation in patients' strengths*
2. What things worry you about this pregnancy?  
*To assess obstetric stressors*
3. What are stressful, overwhelming, or scary things that are affecting you now?  
*To assess present traumatic experiences*
4. What are the stressful, overwhelming, or scary things from your past that are still affecting you?  
*To assess past traumatic experiences*
5. If in the future you would like to share concerns or experiences with me or our staff, we are available.  
*To acknowledge that it can take time, trust, and a sense of safety before patients are able to share experiences of adversity or trauma, and to indicate that this is an ongoing conversation with health care professionals who are willing to meet patients where they are*

#### **Sample questions to engage prenatal patients in conversation about experiences of resilience**

1. What helps you cope with stress and feelings of being overwhelmed?  
*To assess coping skills as a source of resilience*
2. Are there people you can turn to for help?  
*To assess support as a source of resilience*
3. What can I offer you? You may not know what would be helpful now. We can explore this together. Our practice has a list of supports and resources you might like to consider.  
*To ensure that clinical responses are patient centered and offer patient choice and opportunities for empowerment*
4. I see you are having a hard time. What has helped you overcome challenges in the past?  
*To elicit strengths and supports from the past that may be applied to the present*

\* These questions are informed by scientific evidence,<sup>122–126</sup> clinical experience, and stakeholder engagement and are designed to provide an inroad into conversations about adversity and coping. These questions can be modified to fit your own voice.

been carried out with the ACEs Questionnaire,<sup>26</sup> with reimbursement provided by Medicaid. Limitations of the ACEs Questionnaire include the limited types of adversity assessed and the lack of psychometric data, including measures of reliability and validity,<sup>68</sup> indicating a need for continued research.

### **Position Screening for Adversity and Trauma as an Extension of Current Screening**

Screening for adversity, trauma, and resilience aligns with other sensitive screenings that are part of standard prenatal care, such as screening for intimate partner violence,<sup>69</sup> substance misuse,<sup>70</sup> depression,<sup>71</sup> and social determinants of health.<sup>72</sup> These related workflows can be integrated and aligned, and screening for adversity, trauma, and resilience can occur at any time during pregnancy. An appropriate time may be at a visit when trust had been established and the demands of entry into care have been met (eg, at approximately 18–20 weeks of gestation).<sup>22</sup>

### **Document Findings**

When documenting screening findings, there must be a balance between patient privacy and the need to communicate across settings and health care professionals, including coordination with primary care practitioners. It is essential to communicate relevant information, such as a birth plan made in response to a patient's experiences of adversity and trauma, to the birth team. Limiting the description to a general, headline approach can protect patient privacy and limit secondary (or vicarious) trauma for health care professionals reading the description.

### **Prepare Yourself**

The “4 Cs” from Kimberg and Wheeler<sup>73</sup> are techniques that health care professionals can embrace to successfully adopt trauma-informed care (Box 2).

### **HEALTH CARE PROFESSIONAL RESPONSE TO DISCLOSURE OF ADVERSITY AND TRAUMA**

#### **Engage Patients in an Ongoing Conversation With a Focus on Building Trust**

Responding to disclosures of adversity and trauma with acknowledgement and active listening is a vital next step. Using statements such as, “I appreciate your sharing this,” or “You have been through some very difficult experiences, and I want you to know that we are going to keep this in mind as we provide care...” can be highly effective in conveying compassion and understanding. Physicians may feel uncomfortable expressing empathy and may feel that a focus on emotional support could interfere with the primary role of providing



## Box 2. The “4 Cs”: Techniques for Health Care Professionals to Use When Adopting Trauma-Informed Care

- Be calm. Pay attention to how you are feeling when you are caring for the patient. Breathe deeply and calm yourself to model and promote calmness for the patient, yourself, and your coworkers.
- Contain the interaction. Limit trauma history detail to maintain psychological and physical safety. Consider asking for “headlines” as opposed to a detailed narrative about traumatic experiences. For example: “You don’t have to share details if you don’t want to. Just saying, ‘I have a history of [whatever happened, for example sexual abuse as a child]’ is good enough. It may also help to describe your experience of the event and how it affects you. An example is, ‘at the time I felt \_\_\_\_, and now I need help with \_\_\_\_.’”
- Care for the patient and yourself. Self-care and compassion, for both the patient and you, are vitally important. This can include cultivating supportive relationships, engaging in regular physical activity, good nutrition, adequate sleep, meditation and mindfulness practice, experiencing nature, and professional mental health care when needed.
- Focus on coping. Emphasize healthy coping skills, positive and supportive relationships, and interventions that foster psychological well-being and resilience.

Data from Raja S, Hasnain M, Hoersch M, Gove-Yin S, Rajagopalan C. Trauma informed care in medicine: current knowledge and future research directions. *Fam Community Health* 2015;38:216–26. doi: 10.1097/FCH.0000000000000071

obstetric information<sup>74</sup>; however, acknowledging and addressing patient distress may lower emotional and physiologic responses to stress and, in turn, improve information processing and later recall.<sup>75</sup> Emotionally distressed patients retain only 20–60% of information provided in medical visits.<sup>76</sup>

Studies examining physician–patient interactions indicate that directly and sensitively acknowledging patients’ emotional responses, encouraging questions and shared decision making, and demonstrating compassion and dependability are associated with greater patient satisfaction and perceived quality of care<sup>77–81</sup> and better psychological adjustment. Consistent with this approach, many patients may be interested in learning about how adversity and traumatic stress can affect health and the ways in which healing is possible throughout life,<sup>57</sup> and health professionals working in the prenatal care setting are well suited to provide this information. These conversations can shed light on conditions not previously

connected to past events and experiences, opening new avenues for understanding, healing, and support.<sup>82</sup> Moreover, a trusting patient–clinician relationship can itself provide a source of healing.

### Assess Physical and Psychological Safety

An immediate priority is assessing the patient’s physical and psychological safety. As is standard prenatal care practice, this includes assessing current exposure to intimate partner violence and risk of self-harm or harm to others and offering appropriate, culturally sensitive referral to support services and resources. This may include providing a warm handover to a mental health professional or community-based service or case management for those with more complex needs.

### Assess Basic Needs and Engage Patients in Determining Their Own Starting Point

Depending on past and present experiences and current circumstances, a patient may initially prioritize addressing food insecurity, for example, over previous intimate partner violence. Meeting and supporting the patient where they are, without judgment, is most likely to yield the greatest benefit. Strengths-based tools, such as motivational interviewing, which is a guiding style of communication that sits between listening and providing information and advice,<sup>83</sup> can help align patient priorities, preferences, capacities, and strengths with healthy behaviors.

### Create a Prenatal Plan

After offering an empathic response and providing evidence-based information, the clinician can then move to a conversation about current needs and available resources to support the patient. Even when time is limited, clinicians can provide a list of services and resources with personalized recommendations highlighted, and these can be discussed further or in more detail at a future visit. In a study adopting this approach, most patients used at least one resource from the list provided.<sup>57</sup> Available resources will vary according to practice setting. Drawing on spirituality, faith, religion, and culture<sup>82,84</sup>; reading; meditation; physical activity<sup>84</sup>; peer support<sup>85</sup>; and service to others<sup>84</sup> are strategies that pregnant patients who have experienced early adversity describe as helpful in healing. Case examples are provided in Appendix 3, available online at <http://links.lww.com/AOG/D156>.

### Promote Social Support

Social support during pregnancy, including both instrumental (practical) and emotional support, is strongly associated with greater psychological health

and wellbeing<sup>86–88</sup> and more positive parent–infant interactions<sup>89</sup> among individuals with and without a history of childhood adversity.<sup>90,91</sup> Social support can be provided by a partner,<sup>92,93</sup> family members, friends, and the broader community, as well as by models of group-based prenatal care and by home visiting programs such as Nurse Family Partnership<sup>94</sup> and Healthy Families America. Patients may also be interested in referrals to services such as Black Infant Health; home visiting programs; fatherhood programs; community-based groups such as prenatal support groups led by psychologists, social workers, or therapists; birth preparation classes; or informal parent groups.

### **Provide Referral to Prevent or Treat Mental Health Conditions**

Mental health conditions are more prevalent among prenatal patients who have experienced childhood maltreatment, and early intervention and treatment offer an important opportunity to improve both parent and child health,<sup>95,96</sup> to support the developing parent–infant bond, and to interrupt intergenerational patterns of trauma and adversity.<sup>95</sup> Psychotherapy has been shown to be superior to psychopharmacotherapy alone<sup>97</sup> and is especially important to consider given that many patients do not find medication to be acceptable during the perinatal period. For patients experiencing perinatal depression in the context of a history of childhood trauma, interpersonal psychotherapy and cognitive behavioral therapy have demonstrated efficacy in reducing depressive symptoms.<sup>95</sup> It is important to note that many interventions such as cognitive behavioral therapy and interpersonal psychotherapy, which have a strong evidence base for anxiety and depression reduction among White pregnant people in the United States,<sup>98–101</sup> do not show similar benefit for populations of Black people, Indigenous individuals, or people of color.<sup>102</sup> Integrated mental health services, embedded within prenatal care, are optimal but may not always be available. Mental health professionals and other resources such as perinatal depression support groups may be identified through county mental health services, health insurance plans, hospitals, websites, and community-based organizations.

### **Adopt a Holistic Approach**

In addition to professional mental health care and social support, a holistic approach including balanced nutrition,<sup>103,104</sup> physical activity and exercise,<sup>105,106</sup> restorative sleep,<sup>107</sup> and relaxation and meditation<sup>108</sup> may provide benefit for perinatal health outcomes

and may be especially useful for pregnant patients who are reluctant to engage in mental health care<sup>11</sup> or psychopharmacotherapies.<sup>109</sup> Prior miscarriage,<sup>110</sup> sexual assault,<sup>111</sup> or living in an unsafe neighborhood,<sup>112</sup> for example, may influence whether and how a patient wants to exercise. Asking strengths-based questions such as, “What kind of movement do you enjoy?” or “What helps you feel calm and relaxed?” may help identify a starting point. In collaboration with their patients, clinicians can also provide personalized “prescriptions” for exercise, outdoor activities, or evidence-based websites or applications (apps) (eg, <https://calm.com>, <https://headspace.com>, <https://www.mindthebump.org.au>, <https://mum-space.com.au>).

### **Address Birth-Related Needs**

Clinicians working with patients who have experienced trauma can avoid retraumatization in predictable situations such as vaginal examinations<sup>88,113</sup> and support planning for labor and delivery,<sup>114</sup> including offering birth preparation classes and nonpharmacologic methods for coping during labor.<sup>115</sup> Continuous one-to-one emotional support before, during, and after birth from doulas or nonclinical labor support professionals is associated with improved outcomes<sup>116</sup> and has been found to be especially important for birthing individuals who are Black, Indigenous, or people of color. Having a birth plan can enable a greater sense of autonomy and control during labor.<sup>117</sup> A qualitative meta-synthesis identified a need for control, difficulties with disclosure, dissociation, a discomfort with vulnerability, and wanting to maintain hope for healing as common themes for patients with a history of childhood sexual abuse as they engaged in birth planning.<sup>113</sup>

### **Create a Postpartum Plan**

Robust postpartum care is increasingly recognized as key for optimizing short- and longer-term parent and child outcomes, as well as outcomes in subsequent pregnancies and lifelong health.<sup>43,118</sup> Coordination with primary care practitioners is needed to continue treatment planning and to address traumatic stress (including potential posttraumatic stress symptoms), chronic conditions, and persistent health risks. Coordination with the pediatric health care professional, perinatal and infant mental health services, referral to parenting classes and support groups, lactation support, and home visiting programs that are dyadic and attachment focused can promote healing and support both generations.

## DISCUSSION AND CALL TO ACTION

Given the medical focus of obstetric training and the myriad demands of prenatal care, addressing adversity, trauma, and resilience may seem daunting to clinicians, but doing so can help address a root cause of many conditions we treat and improve our patients' experience of care at a critical moment in their lives. In this article, we offer an initial approach to support obstetric clinicians and staff to address past and present stress, adversity, and trauma in outpatient prenatal encounters to improve perinatal outcomes (Box 3). Patient-clinician conversations that offer active listening, compassion, and information can form part of the healing process. In partnership with patients, obstetric clinicians can draw on existing resources to offer social support and mental health services and to develop care plans with options to promote wellbeing and address pregnancy, birth, and postpartum needs. These practices can be adopted gradually over time as an extension of current screenings and models of care and can be strengthened, expanded, and refined through experience, research, and expanded resources and networks of care.

Further research is needed to refine screening measures for use in prenatal settings, ensuring the inclusion of a broader range of potential adversities and the use of accessible and nonstigmatizing language. Studies of trauma screening protocols in primary care have evaluated effects on patient attendance, engagement with referrals, health outcomes, and long-term patient-clinician relationships<sup>119</sup>; similar metrics can be considered in the evaluation of screening in prenatal care and will be increasingly feasible given large-scale efforts to adopt universal screening in clinical settings such as the ACEs Aware initiative in California.<sup>120</sup> To strengthen the clinical response, trauma-specific perinatal interventions of various formats must be further developed, researched for effectiveness, and made more broadly available.<sup>117</sup>

Optimal perinatal care involves collaboration across settings and medical specialties. Further training in a trauma-informed approach is needed for all clinicians and staff in perinatal settings, including hospitals and private practices. Development of a tailored toolkit could offer additional background and training in the perinatal and interpregnancy periods to identify and address the effects of adversity. Navigating perinatal care resources can be challenging, especially for patients who are Black, Indigenous, or people of color.<sup>53,121</sup> Public health personnel such as county maternal and child health leaders can assist local practices with the identification and development of local resources and referrals.

### Box 3. Initial Recommendations for Prenatal Clinicians, Staff, and Researchers

#### Initial recommendations for prenatal clinicians and staff

- Engage practice leadership and identify “champions” of trauma-informed care.
- Initiate education and training for health care professionals and staff.
- Prepare a list of available resources and referral options.
- Incrementally implement inquiry about or screening for past and present adversity and trauma, as well as resilience.
- Prepare yourself, taking the “4 Cs” approach.
- Create a holistic plan in partnership with the patient, linking with hospital, primary care, and other health care professionals as necessary.

#### Initial recommendations for researchers

- In partnership with perinatal patients, identify the most important ACEs to assess.
- Determine optimal way(s) to assess ACEs and resilience factors in prenatal settings, taking individual, environmental, and perinatal health equity factors into consideration.
- Test the efficacy and acceptability of psychological, mind-body, and complementary therapies on several domains of distress (eg, depression, posttraumatic stress disorder, anxiety, somatization) among diverse perinatal samples. Test for moderation of outcomes by socio-demographic and cultural factors.
- Examine how the effects of ACEs change over the life course. Are there predictable trajectories? Can these be modified to improve outcomes?
- Investigate which models of care are likely to yield the greatest benefit for patients with past or present adversity and trauma.
- Assess how ACEs screening may improve perinatal and infant health outcomes.
- Examine whether interventions to improve health behaviors (eg, sleep, physical activity, exercise, nutrition, meditation, mindfulness practice) improve perinatal outcomes.
- Identify optimal strategies for the codesign of ACEs screening measures and implementation practices. Are new measures needed?

ACEs, adverse childhood experiences.

Although full implementation of trauma-informed care in obstetrics and gynecology will require large-scale change and coordination involving many levels of stakeholders, multidisciplinary teams, and a systems approach, obstetric clinicians and practices need not wait for system-level change to begin learning and practicing principles of trauma-informed care and implementing inquiry about

patients' past and present trauma and adversity. Inquiry about and screening for adversity, trauma, and resilience and responding with conversations and supportive plans can help heal the effects of adversity and trauma and set our patients—and the next generation—on a path to health and thriving.

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