Appendix 1 (as supplied by the authors): Value Based Shared Decision Making for the SARS-CoV-2 Vaccine in Pregnancy and Breastfeeding

**Figure:** Example of a shared decision-making framework that physicians and pregnant or breastfeeding patients can use to decide whether to vaccinate for severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2). The framework takes into account patient values and goals (e.g., individual risk threshold, desire for vaccination, and other considerations such as mental health) and evidence (e.g., medical risks and benefits of vaccination) that need to be considered in order for the physician and patient to arrive at a treatment decision. Use of the framework can help the physician assess how comfortable the patient is with their decision.

Appendix 1 (as supplied by the authors): Value Based Shared Decision Making for the SARS-CoV-2 Vaccine in Pregnancy and Breastfeeding

**Shared Decision Making**

Identify a clear decision point

Provide information about the clinical problem and options at the decision point

Elicit patient values and goals

Support the patient towards a decision

Assess how comfortable the patient is with their decision

**SURE Test:**
- **Sure of myself:** Do you feel sure about the best choice for you?
- **Understand information:** Do you know the benefits and risks of each option?
- **Risk-benefit ratio:** Are you clear about which benefits and risks matter most to you?
- **Encouragement:** Do you have enough support and advice to make a choice?

**Patient’s Values and Goals**

**Data/Evidence/Theory**

**VACCINATE OR NOT VACCINATE?**

- **Individual Risk Threshold:** Concerns about contracting SARS-CoV-2 vaccination
- **Personal Benefits – Value of SARS-CoV-2 Immunity:**
  - High occupational exposure risk
  - Household members at high risk of exposure
  - Household member’s health risk factors
  - Caregiving responsibilities
- **Personal Desire for Vaccination** (including trust in the healthcare system):
  - High, Medium, Low
- **Individual Considerations:**
  - **Mental health**
    - Will you experience more anxiety with the idea of taking the vaccine itself or about potentially contracting SARS-CoV-2?
  - **Pregnant:**
    - Balancing concerns for individual safety versus theoretical adverse effects on fetus
    - If trying to conceive, how immediate is your desire to get pregnant and will this influence your decision?
  - **Breastfeeding:** Desire and planned duration to breastfeed
- **Medical Risks of Vaccinations:**
  - Vaccine side effects & lack of safety data in this population
  - **Pregnant:** theoretical risk to fetus (although early animal studies reassuring) & adverse pregnancy outcomes
  - **Breastfeeding:** Theoretical passage of lipid nanoparticle mRNA into breastmilk
- **Risk of Morbidity and Mortality from COVID-19:**
  - Medical risks and comorbidities
  - Occupational risk (patient with high risk of exposure, e.g. HCW, essential worker)
  - Household risk
  - Population and community SARS-CoV-2 transmission rates
- **Medical Benefits of Vaccination:**
  - Protection against SARS-CoV-2
  - Protection for individuals with severe risk factors and/or high risk of exposure
  - Potential indirect protection of close contacts (e.g. vulnerable relatives)
  - **Pregnant:** More likely to have severe illness with COVID-19, and adverse pregnancy outcomes; vaccine may provide theoretical protection for the fetus/neonate
  - **Breastfeeding:** Possible passive SARS-CoV-2 immunity to infant

**Deliberation:** Patient weighs options to vaccinate or not vaccinate

**Patient makes decision based upon their values**