

## Overview of Medication Abortion

**Pharmacies that dispense mifepristone:** <https://genbiopro.com/roster/>

**To order mifepristone** with overnight delivery, costs less than \$60 per pill

<https://www.reproductiveaccess.org/resource/order-mifepristone/>

<https://www.plancpills.org/>

**Clinician Warmlines** 1-844-737-7644 (1-844-ReproHH), 8am to 4pm PST

1-877-432-7596: On-call help for providers managing patients who have taken mifepristone

**FDA-mandated Patient Agreement Form** - Sign one of these 2 documents prior to taking mifepristone

<https://genbiopro.com/wp-content/uploads/2023/07/GBP-MIF-716-Patient-Agreement.pdf>

[https://www.earlyoptionpill.com/wp-content/uploads/2023/02/DANCO\\_PatientAgreement\\_ENG\\_Web.pdf](https://www.earlyoptionpill.com/wp-content/uploads/2023/02/DANCO_PatientAgreement_ENG_Web.pdf)

**Patient Medication Guide** - Review with patients (available in Spanish, Arabic, French, Chinese, Hindi, Vietnamese, Russian)

<https://genbiopro.com/products/mifepristone/prescribers/abortion-resources/>

[http://www.earlyoptionpill.com/wp-content/uploads/2016/01/DAN\\_MedGuideEng\\_FINAL.pdf](http://www.earlyoptionpill.com/wp-content/uploads/2016/01/DAN_MedGuideEng_FINAL.pdf)

**Photos of early pregnancy tissue** <https://abortionpillcme.teachtraining.org/POC.png>

**Emotional support** <https://exhaleprovoice.org/> and <https://www.faithaloud.org/>

**State Laws, Policies & Requirements**

**Reporting** <https://www.guttmacher.org/state-policy/explore/abortion-reporting-requirements>

**Shield laws** <https://www.kff.org/other/state-indicator/shield-laws>

**Training in Early Abortion for Comprehensive Healthcare (TEACH)** – provider workbook <https://www.teachtraining.org>

**National Abortion Federation (NAF) Clinical Policy Guidelines** <https://prochoice.org/providers/quality-standards/>

**Reproductive Health Access Project (RHAP)**- patient & provider education <https://www.reproductiveaccess.org/abortion/>

**Reproductive Health Education in Family Medicine** - provider education <https://rhedi.org/education/medication-abortion/>

**Why:**

- **One of every four** individuals in the US of childbearing potential has an abortion<sup>1</sup> and at least as many have a miscarriage.
- **Early abortion or miscarriage** can be managed with a single dose of mifepristone followed by misoprostol.
- **Patients must travel increasing distances** to obtain clinical assistance with an abortion or miscarriage.<sup>2</sup> This is unfortunate as both can be easily and safely managed by primary care providers.<sup>3,4</sup>
- **Abortion pills** have no long-term adverse effects on health or fertility.<sup>5</sup> In contrast, those turned away after seeking abortion services report worse physical health<sup>6</sup> and more poverty<sup>7</sup> five years later.
- **More than half** of all abortions are medication abortions.<sup>8</sup>

**Who:** **Licensed physicians—and, in 24 states, advanced practice clinicians<sup>9</sup>**—can provide mifepristone. Most patients who received abortions from primary care providers are very satisfied with the experience,<sup>10</sup> and most general medicine patients felt their clinic should provide medication abortion.<sup>11</sup>

**What:**

- **Misoprostol** (“Miso”) - a prostaglandin analogue, induces uterine contractions and cervical dilation. Marketed as Cytotec to prevent gastric ulcers,<sup>12</sup> it is used off-label for multiple gynecologic indications, including miscarriage management. Misoprostol alone can induce abortion<sup>13</sup> when dosed as 800mcg vaginally/sublingually every 3 hours for a total of 3 doses (i.e., Rx: Misoprostol 200mcg tablets #12. Place 4 tablets vaginally every 3 hours<sup>14</sup>). However, 7% using misoprostol alone to induce abortion have ongoing pregnancies and 22% require a uterine aspiration procedure.<sup>15</sup> When pregnancy continues after attempted medication abortion, misoprostol’s teratogenic risk<sup>16</sup> must be considered.
- **Mifepristone** (“Mife,” originally called RU486) - a progesterone-receptor antagonist, causes detachment of pregnancy tissue from the uterus and increases the effectiveness of misoprostol for abortion. Mifepristone alone is not very effective for medication abortion.<sup>17</sup>
- **Methotrexate** – historically used for early abortion<sup>18</sup> is less well tolerated than the combination of mifepristone with misoprostol for medication abortion (although methotrexate is still used to treat ectopic pregnancy).

**When:**

- **In 2000, the FDA approved mifepristone for medical termination of intrauterine pregnancy** through 49 days gestation. Over the last 24 years, millions of patients have safely used mifepristone. In 2016, the FDA updated the mifepristone package label for **use through 70 days gestation**.<sup>19</sup> Effectiveness varies by gestational age:
  - **<49 days:** <2% require more misoprostol or uterine aspiration.<sup>20</sup>
  - **<63 days:** 0.8% have continuing pregnancies and 3% require more misoprostol or uterine aspiration.<sup>21</sup>

- **63-70-days:** <3% have continuing pregnancies and <7% require more misoprostol or an aspiration procedure.<sup>20</sup> NAF guidelines suggest offering a 2nd dose of Miso 800 mcg 4 hours after the first dose, to decrease need for additional treatment to <1%.<sup>21</sup> Extra doses of miso are more important for patients in hostile communities.
- **>70 days:** repeated doses of misoprostol have been used after mifepristone to end pregnancies to 24 weeks;<sup>22-23</sup> NAF supports use of mifepristone to **77 days** with a 2nd dose of Miso 800 mcg taken 4 hours after the first dose,<sup>25,26</sup> which decreases need for more misoprostol or an aspiration procedure from 13% to <3%.<sup>21</sup>
- **When medically managing miscarriage** (off label), mifepristone 200 mg given before misoprostol increases effectiveness compared to misoprostol alone, reducing need for a procedure from 24% to 9% (NNT = 6).<sup>27</sup>

#### How:

- **The 2016 FDA-approved medication abortion regimen:** mifepristone 200 mg PO x 1 tab, followed 24-48 hours later by four 200 mcg tablets of misoprostol taken buccally (total 800 mcg misoprostol). An illustration<sup>28</sup> can be helpful in explaining how patients should place two misoprostol tablets between the cheek and gums for 30 minutes, after which any pill remnants can be swallowed. When misoprostol pills are simply swallowed more nausea is reported. The 2016 update to FDA labeling no longer requires providers watch patients swallow mifepristone, allowing greater flexibility for when a patient can initiate the regimen. Other evidence-based (but off-label) regimens include placing misoprostol vaginally (0-72 hours after mifepristone),<sup>31-33</sup> which may be useful for patients with nausea; vaginal misoprostol is most effective 24 hours after mifepristone. **Telehealth** can effectively support safe medication abortion.<sup>29-30</sup> Although some states have banned provision of medication abortion by telehealth, 22 states “shield” telehealth abortion providers caring for patients in states that restrict access to abortion.
- **Safety:** Using mifepristone and misoprostol to end a pregnancy is very safe, and at least 10 times safer than continuing a pregnancy to term.<sup>34</sup> Rare complications include bleeding requiring transfusion (0.05%).<sup>35,36</sup> Thus, risk of anemia should be assessed and those with a Hgb <9 may consider a procedure instead of abortion pills, although heavy bleeding is rare.<sup>33</sup> Prophylactic antibiotics are not recommended as endometritis rarely occurs after medication abortion.<sup>37</sup> STI testing should be offered to those with risk factors; if needed, antibiotics can be provided at the same time as mifepristone. After medication abortion, IV antibiotics are needed for endometritis extremely rarely (0.006% to 0.093%); only 0.04%-0.9% of those using mifepristone require hospitalization.<sup>35</sup>
- **Providing mifepristone:**
  - (1) **Options counseling** and assure patient is certain of their decision to end the pregnancy.
  - (2) **Date pregnancy** by LMP and assess for symptoms of ectopic pregnancy or infection. Ultrasound is not routinely required,<sup>38</sup> but is indicated if (a) uncertain gestational age or (b) concern of ectopic pregnancy.<sup>39</sup> Pelvic examination is only indicated if gestational age may be >10 weeks or patient has symptoms of ectopic pregnancy or infection.<sup>39</sup>
  - (3) **No testing is required before providing mifepristone**<sup>40</sup>
    - if clinical concern for anemia, check hemoglobin level
    - Rh testing and anti-D immunoglobulin is NOT needed with abortion before 12 weeks.<sup>41-43</sup>
    - Clinical history with home urine pregnancy testing can confirm successful medication abortion.<sup>44,45</sup> Serial serum hCG is more reliable than ultrasound in confirming successful medication abortion. **Serum hCG should decline 50% by 3 days and 80% by 7 days after medication abortion.**<sup>46</sup> It is not necessary to follow hCG levels to zero. Residual uterine echogenic material and thickening are normal after medication abortion requiring no intervention unless accompanied by pain/cramping, excessive bleeding or concern of infection.<sup>46</sup>
  - (4) **Rule out rare contraindications:**
    - Adrenal insufficiency or long-term oral steroids (inhaled and/or topical steroids NOT a contraindication)
    - Hemorrhagic disorders, or concurrent anticoagulant therapy (a procedure in monitored setting is advised)
    - Ectopic pregnancy or undiagnosed adnexal mass (treatment will not be effective)
    - Porphyria (risk of worsening or of precipitation of attacks)
    - Allergy to mifepristone, misoprostol, or other prostaglandins
    - IUD in place (must be removed first or cramping will be more painful).
  - (5) **Counsel patient:**
    - When and how to take the medications
    - Expected side effects: spotting/bleeding or uterine cramping/contractions with mifepristone; after taking misoprostol, most people experience cramping and bleeding heavier than a typical period for < 6 hours.<sup>47</sup> Flu-like symptoms can occur (nausea, fever/chills, vomiting, diarrhea, and malaise) and should resolve within 6 to 24 hours. Spotting or bleeding for the next 1-2 weeks is common.<sup>48,49</sup> Few (<5%) patients have bothersome

bleeding after medication abortion;<sup>35</sup> those who do can be offered repeat misoprostol or a uterine aspiration.

- Pain management: NSAIDs are superior to acetaminophen for medication abortion pain.<sup>50</sup> Most patients taking ibuprofen alone are satisfied with their pain control.<sup>47</sup> In an RCT comparing therapeutic vs. prophylactic administration of ibuprofen for first-trimester medical abortion, pain was not significantly different; participants used substantially less ibuprofen in the “as needed” than “prophylactic” group.<sup>51</sup>

**Patients should call for:**

**2 soaked pads/ hour for > 2 consecutive hours or feel unwell > 24 hours after taking misoprostol.**

Excessive bleeding with dizziness, orthostatic hypotension, or a significant drop in hematocrit. This requires urgent evaluation [Very rare; only 0.03-0.06% of patients who take mifepristone need transfusion<sup>20</sup>] to rule out:

- Continuing pregnancy [Rare; 1.2-3.5%<sup>20,52</sup>] (managed with a repeat dose of misoprostol, or a uterine aspiration procedure.<sup>39</sup>)
- Retained tissue or gestational sac (re-dose misoprostol; <4% require a procedure<sup>20</sup>),
- Endometritis [Rare; 0.5-0.9% treated for infection<sup>20</sup>], or
- Ectopic or molar pregnancy [Rare; <0.6%<sup>35</sup>].

**NO significant bleeding after misoprostol warrants ultrasound to rule out:**

- Continuing pregnancy [Rare; 1.2-3.5%<sup>20</sup>]
- Ectopic pregnancy [Very rare; <0.6%<sup>35</sup>].

**Fever/chills or malaise >24 hours after misoprostol** requires urgent evaluation and may indicate endometritis; however, IV antibiotics are needed extremely rarely (0.006% to 0.093%) after medication abortion.<sup>35</sup>

Tachycardia, hypotension, leukocytosis, or hemoconcentration without fever >24 hours after taking misoprostol is extremely rare but requires prompt evaluation as toxic shock due to *Clostridium Sordelli* has been reported after medication abortion and can be fatal.<sup>53</sup>

**Where:**

- **In Dec 2021, the FDA allowed certified US pharmacies to dispense mifepristone;** previously US clinicians had to stock mifepristone in clinic and dispense mifepristone directly to patients. Clinics dispensing mifepristone do not need to have the ability to perform a uterine aspiration procedure. Prior to sending a pharmacy a prescription, clinicians must complete an online prescriber agreement (or fax the signed form to the pharmacy). Pills can be shipped overnight to clinics or directly to a patient’s home by a mail-order pharmacy (eg AMOP or Honeybee), facilitating telehealth medication abortions.
- **In 2022, the Supreme Court decision in *Dobbs v. Jackson Women’s Health* overturned *Roe v. Wade*,** leading to considerable state-level variation in the provision of abortion care. States restricting access to abortion pills may require in-person dispensing, restrict mailing of abortion pills, or specify that only physicians can prescribe medication abortion,<sup>54</sup> threatening that violators may be subject to civil and/or criminal penalties.<sup>54</sup>
- **“Shield laws”** in supportive states protect clinicians who provide abortions to patients in states where abortion is banned.<sup>55</sup> As shield laws do not protect patients in states with bans, some still opt to travel out of state for abortion care.
- **In Jan 2023, the FDA allowed retail US pharmacies to dispense mifepristone directly to patients.**<sup>55</sup> Prescribers who have a signed prescriber agreement on file with a participating pharmacy can prescribe mifepristone and patients can pick up and take the medication when they choose to. Ask your local pharmacies if they stock mifepristone.
- **In October 2025, the FDA approved a second generic version of mifepristone** produced by EvitaSolutions, LLC which is expected to be available January 2026, and will hopefully further lower medication costs
- **Mifepristone pills cost <\$60/each** and have a shelf life of 18 months; unused, unopened pills can be returned to distributor for refund or exchange up to one year after expiration. Misoprostol is available in US pharmacies.

This means primary care providers can now safely and effectively use mifepristone to help their patients who need time-sensitive abortion or miscarriage management.

## References:

1. Jones RK, Jerman J. Population Group Abortion Rates and Lifetime Incidence of Abortion: United States, 2008-2014. *Am J Public Health* 2017;107:1904-9.
2. Bearak JM, Burke KL, Jones RK. Disparities and change over time in distance women would need to travel to have an abortion in the USA: a spatial analysis. *Lancet Public Health* 2017;2:e493-e500.
3. Summit AK, Casey LM, Bennett AH, Karasz A, Gold M. "I Don't Want to Go Anywhere Else": Patient Experiences of Abortion in Family Medicine. *Fam Med* 2016;48:30-4.
4. Medicine; NAOSE. The Safety and Quality of Abortion Care in the United States. Washington, DC2018.
5. Creinin MD, Grossman DA. Medical management of first-trimester abortion. 2014.
6. Ralph LJ, Schwarz EB, Grossman D, Foster DG. Self-reported Physical Health of Women Who Did and Did Not Terminate Pregnancy After Seeking Abortion Services: A Cohort Study. *Ann Intern Med* 2019.
7. Foster DG, Biggs MA, Ralph L, Gerdtz C, Roberts S, Glymour MM. Socioeconomic Outcomes of Women Who Receive and Women Denied Wanted Abortions in the United States. *Am J Public Health* 2018;108:407-13.
8. Jones R, Nash E, Cross L, Philbin J, Kirstein M. Medication Abortion Now Accounts for More Than Half of All US Abortions. Guttmacher Institute. Published February 22, 2022. <https://www.guttmacher.org/article/2022/02/medication-abortion-now-accounts-more-half-all-us-abortion>
9. State Abortion Laws and their Relationship to Scope of Practice. AP Toolkit. <https://aptoolkit.org/advancing-scope-of-practice-to-include-abortion-care/state-abortion-laws-and-their-relationship-to-scope-of-practice/>
10. Wu JP, Godfrey EM, Prine L, Andersen KL, MacNaughton H, Gold M. Women's satisfaction with abortion care in academic family medicine centers. *Fam Med* 2015;47:98-106.
11. Page C, Stumbar S, Gold M. Attitudes and preferences toward the provision of medication abortion in an urban academic internal medicine practice. *J Gen Intern Med* 2012;27:647-52.
12. Misoprostol Package Label. 2009. at [https://www.accessdata.fda.gov/drugsatfda\\_docs/label/2009/019268s041lbl.pdf](https://www.accessdata.fda.gov/drugsatfda_docs/label/2009/019268s041lbl.pdf)
13. Sheldon WR, Durocher J, Dzuba IG, et al. Early abortion with buccal versus sublingual misoprostol alone: a multicenter, randomized trial. *Contraception* 2019;99:272-7.
14. Raymond EG, Mark A, Grossman D, et al. Medication abortion with misoprostol-only: A sample protocol. *Contraception*. 2023 May;121:109998. PMID: 36849033.
15. Raymond EG, Harrison MS, Weaver MA. Efficacy of Misoprostol Alone for First-Trimester Medical Abortion: A Systematic Review. *Obstet Gynecol* 2019;133:137-47.
16. Coelho KE, Sarmiento MF, Veiga CM, et al. Misoprostol embryotoxicity: clinical evaluation of fifteen patients with arthrogryposis. *Am J Med Genet* 2000;95:297-301.
17. Birgerson L, Odland V. Early pregnancy termination with antiprogesterins: a comparative clinical study of RU 486 given in two dose regimens and Epostane. *Fertil Steril* 1987;48:565-70.
18. Aldrich T, Winikoff B. Does methotrexate confer a significant advantage over misoprostol alone for early medical abortion? A retrospective analysis of 8678 abortions. *BJOG* 2007;114:555-62.
19. Mifepristone Package label. 2016. at [https://www.accessdata.fda.gov/drugsatfda\\_docs/label/2016/020687s020lbl.pdf](https://www.accessdata.fda.gov/drugsatfda_docs/label/2016/020687s020lbl.pdf)
20. Chen MJ, Creinin MD. Mifepristone With Buccal Misoprostol for Medical Abortion: A Systematic Review. *Obstet Gynecol* 2015;126:12-21.
21. Castillo P et al. Does a repeat dose of 800 mcg misoprostol following mifepristone improve outcomes in the later first trimester? A retrospective chart review in Mexico City. 41st Annual Meeting of the National Abortion Federation. Montreal, Canada. 2017.
22. Dabash R, Chelli H, Hajri S, Shochet T, Raghavan S, Winikoff B. A double-blind randomized controlled trial of mifepristone or placebo before buccal misoprostol for abortion at 14-21 weeks of pregnancy. *Int J Gynaecol Obstet* 2015;130:40-4.
23. Dickinson JE, Jennings BG, Doherty DA. Mifepristone and oral, vaginal, or sublingual misoprostol for second-trimester abortion: a randomized controlled trial. *Obstet Gynecol* 2014;123:1162-8.
24. Zwerling B, Edelman A, Jackson A, Burke A, Prabhu M. Society of Family Planning Clinical Recommendation: Medication abortion between 14 0/7 and 27 6/7 weeks of gestation: Jointly developed with the Society for Maternal-Fetal Medicine. *Am J Obstet Gynecol*. 2023 Oct 9:S0002-9378(23)00726-3. doi: 10.1016/j.ajog.2023.09.097. Epub ahead of print. PMID: 37821258.

25. Dzuba IG, Chong E, Hannum C, et al. A non-inferiority study of outpatient mifepristone-misoprostol medical abortion at 64-70 days and 71-77 days of gestation. *Contraception* 2020;101:302-8.
26. Clinical Practice Guidelines. 2020. at <https://5aa1b2xfmfh2e2mk03kk8rsx-wpengine.netdna-ssl.com/wp-content/uploads/2020-CPGs-Final-for-web.pdf>.)
27. Schreiber CA, Creinin MD, Atrio J, Sonalkar S, Ratcliffe SJ, Barnhart KT. Mifepristone Pretreatment for the Medical Management of Early Pregnancy Loss. *N Engl J Med* 2018;378:2161-70.
28. Illustration of how to place misoprostol in Patient Medication Guide. at [http://www.earlyoptionpill.com/wp-content/uploads/2016/01/DAN\\_MedGuideEng\\_FINAL.pdf](http://www.earlyoptionpill.com/wp-content/uploads/2016/01/DAN_MedGuideEng_FINAL.pdf).)
29. Improving Access to Abortion via Telehealth. 2019. at <https://www.guttmacher.org/gpr/2019/05/improving-access-abortion-telehealth>.)
30. Endler M, Lavelanet A, Cleeve A, Ganatra B, Gomperts R, Gemzell-Danielsson K. Telemedicine for medical abortion: a systematic review. *Bjog* 2019;126:1094-102.
31. Creinin MD, Schreiber CA, Bednarek P, et al. Mifepristone and misoprostol administered simultaneously versus 24 hours apart for abortion: a randomized controlled trial. *Obstet Gynecol* 2007;109:885-94.
32. Guest J, Chien PF, Thomson MA, Kosseim ML. Randomised controlled trial comparing the efficacy of same-day administration of mifepristone and misoprostol for termination of pregnancy with the standard 36 to 48 hour protocol. *Bjog* 2007;114:207-15.
33. Hsia JK, Lohr PA, Taylor J, Creinin MD. Medical abortion with mifepristone and vaginal misoprostol between 64 and 70days' gestation. *Contraception* 2019.
34. Raymond EG, Grimes DA. The comparative safety of legal induced abortion and childbirth in the United States. *Obstet Gynecol* 2012;119:215-9.
35. Cleland K, Creinin MD, Nucatola D, Nshom M, Trussell J. Significant adverse events and outcomes after medical abortion. *Obstet Gynecol* 2013;121:166-71.
36. Upadhyay UD, Desai S, Zlidar V, et al. Incidence of emergency department visits and complications after abortion. *Obstet Gynecol* 2015;125:175-83.
37. Achilles SL, Reeves MF. Prevention of infection after induced abortion: release date October 2010: SFP guideline 20102. *Contraception* 2011;83:295-309.
38. Raymond EG, Tan YL, Comendant R, et al. Simplified medical abortion screening: a demonstration project. *Contraception* 2018;97:292-6.
39. Clinical Policy Guidelines at <https://prochoice.org/resources/clinical-policy-guidelines/>
40. [https://5aa1b2xfmfh2e2mk03kk8rsx-wpengine.netdna-ssl.com/wp-content/uploads/2018\\_CPGs.pdf](https://5aa1b2xfmfh2e2mk03kk8rsx-wpengine.netdna-ssl.com/wp-content/uploads/2018_CPGs.pdf).)
41. Raymond EG, Grossman D, Mark A, et al. Commentary: No-test medication abortion: A sample protocol for increasing access during a pandemic and beyond. *Contraception* 2020.
42. Mark A, Foster AM, Grossman D, et al. Foregoing Rh testing and anti-D immunoglobulin for women presenting for early abortion: a recommendation from the National Abortion Federation's Clinical Policies Committee. *Contraception* 2019;99:265-6.
43. Chan MC, Gill RK, Kim CR. Rhesus isoimmunisation in unsensitised RhD-negative individuals seeking abortion at less than 12 weeks' gestation: a systematic review. *BMJ Sex Reprod Health* 2021.
44. Horvath S, Tsao P, Huang ZY, et al. The concentration of fetal red blood cells in first-trimester pregnant women undergoing uterine aspiration is below calculated threshold for Rh sensitization. *Contraception* 2020;102:1-6.
45. World Health Organization Abortion Care Guideline, 2<sup>nd</sup> edition, published August 2025. Available online at <https://www.who.int/publications/i/item/9789240104204>.
46. National Abortion Federation Clinical Practice Guidelines 2024 available at: <https://prochoice.org/providers/quality-standards/>.
47. Fiala C, Safar P, Bygdeman M, Gemzell-Danielsson K. Verifying the effectiveness of medical abortion; ultrasound versus hCG testing. *Eur J Obstet Gynecol Reprod Biol* 2003;109:190-5.
48. Friedlander EB, Soon R, Salcedo J, Davis J, Tschann M, Kaneshiro B. Prophylactic Pregabalin to Decrease Pain During Medication Abortion: A Randomized Controlled Trial. *Obstet Gynecol* 2018;132:612-8.
49. Davis A, Westhoff C, De Nonno L. Bleeding patterns after early abortion with mifepristone and misoprostol or manual vacuum aspiration. *J Am Med Womens Assoc* (1972) 2000;55:141-4.
50. Chen AY, Mottl-Santiago J, Vragovic O, Wasserman S, Borgatta L. Bleeding after medication-induced termination of pregnancy with two dosing schedules of mifepristone and misoprostol. *Contraception* 2006;73:415-9.

51. Livshits A, Machtinger R, David LB, Spira M, Moshe-Zahav A, Seidman DS. Ibuprofen and paracetamol for pain relief during medical abortion: a double-blind randomized controlled study. *Fertil Steril* 2009;91:1877-80.
52. Raymond EG, Weaver MA, Louie KS, et al. Prophylactic compared with therapeutic ibuprofen analgesia in first-trimester medical abortion: a randomized controlled trial. *Obstet Gynecol* 2013;122:558-64.
53. Abbas D, Chong E, Raymond EG. Outpatient medical abortion is safe and effective through 70 days gestation. *Contraception* 2015;92:197-9.
54. Guttmacher state policies accessed 2024 Nov at <https://www.guttmacher.org/state-policy/explore/state-policies-abortion-bans>
55. Fjerstad M, Trussell J, Sivin I, Lichtenberg ES, Cullins V. Rates of serious infection after changes in regimens for medical abortion. *N Engl J Med* 2009;361:145-51.
56. Jones R, Nash E, Cross L, Philbin J, Kirstein M. Medication Abortion Now Accounts for More Than Half of All US Abortions. Guttmacher Institute. Published February 22, 2022. <https://www.guttmacher.org/article/2022/02/medication-abortion-now-accounts-more-half-all-us-abortions>
57. Cohen DS, Donley G, Rebouché R, Aubrun I. Understanding Shield Laws. *J Law Med Ethics*. 2023;51(3):584-591. doi:10.1017/jme.2023.103
58. Questions and Answers on Mifepristone for Medical Termination of Pregnancy Through Ten Weeks Gestation. FDA. Published online September 1, 2023. <https://www.fda.gov/drugs/postmarket-drug-safety-information-patients-and-providers/questions-and-answers-mifepristone-medical-termination-pregnancy-through-ten-weeks-gestation#TheJanuary2023REMSModification>