



First-trimester aspiration abortion

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Learning objectives

- ◀ Epidemiology of 1st trimester abortion in the United States
- ◀ Safety of 1st trimester abortion
- ◀ How to perform suction aspiration

Epidemiology of 1st trimester abortion in the United States



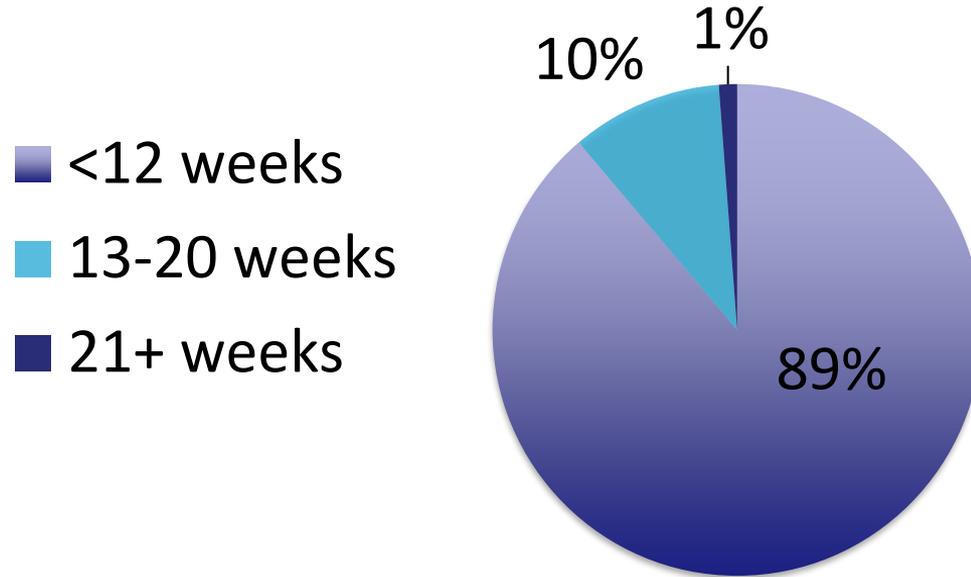


Incidence of abortion

- ◀ One of the most common surgical procedures in the US
- ◀ 926,000 abortions performed in the US in 2014
- ◀ By the age of 45, ~1/4 of all US cisgender women will have had an abortion
- ◀ Transgender men and nonbinary people also have abortions

Jones 2017 AJPH

Most abortions occur in the 1st trimester





Abortion safety... in perspective

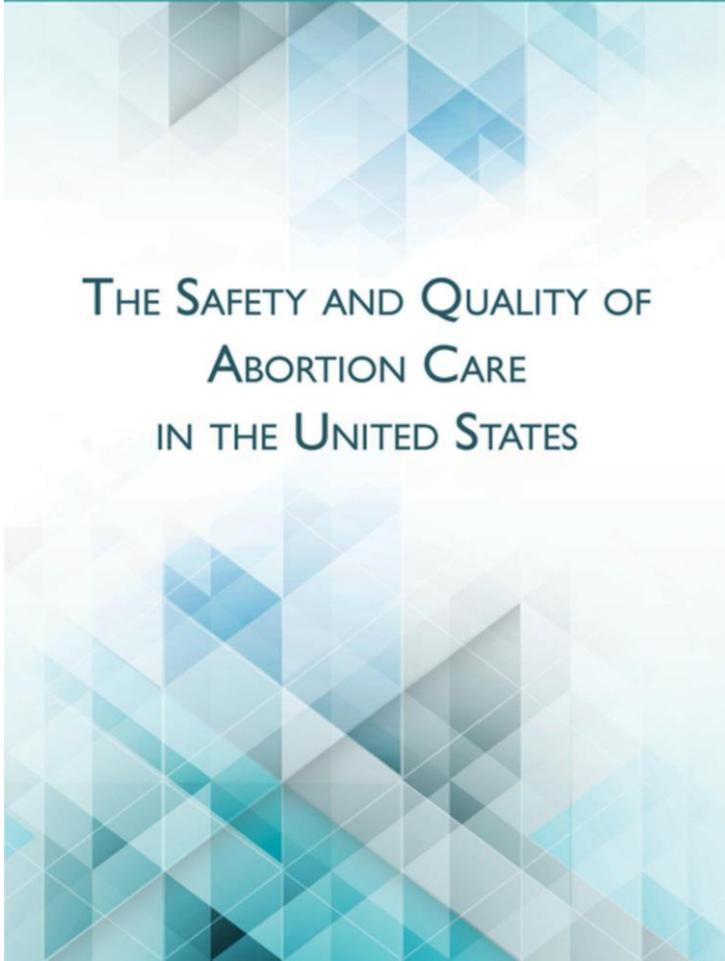
- ◀ Mortality, per 100,000 procedures

1 st trimester aspiration abortion	0.7
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CONSENSUS STUDY REPORT



THE SAFETY AND QUALITY OF
ABORTION CARE
IN THE UNITED STATES



Abortion safety... in perspective

- ◀ Mortality, per 100,000 procedures

1 st trimester aspiration abortion	0.7
Penicillin	2.0
Colonoscopy	2.9
Childbirth	8.8

Techniques of aspiration abortion in the 1st trimester



Overview of 1st trimester aspiration abortion

Manual uterine aspiration
(MUA)



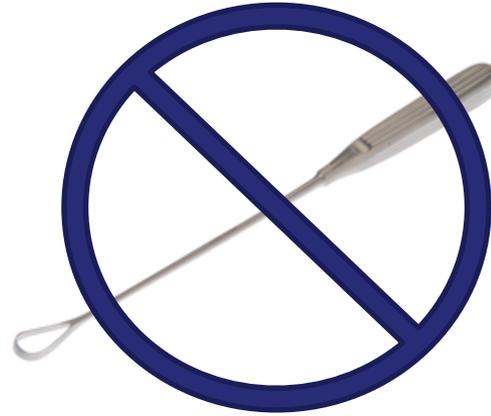
Electronic uterine
aspiration (EUA)





Sharp curettage should no longer be used for abortion

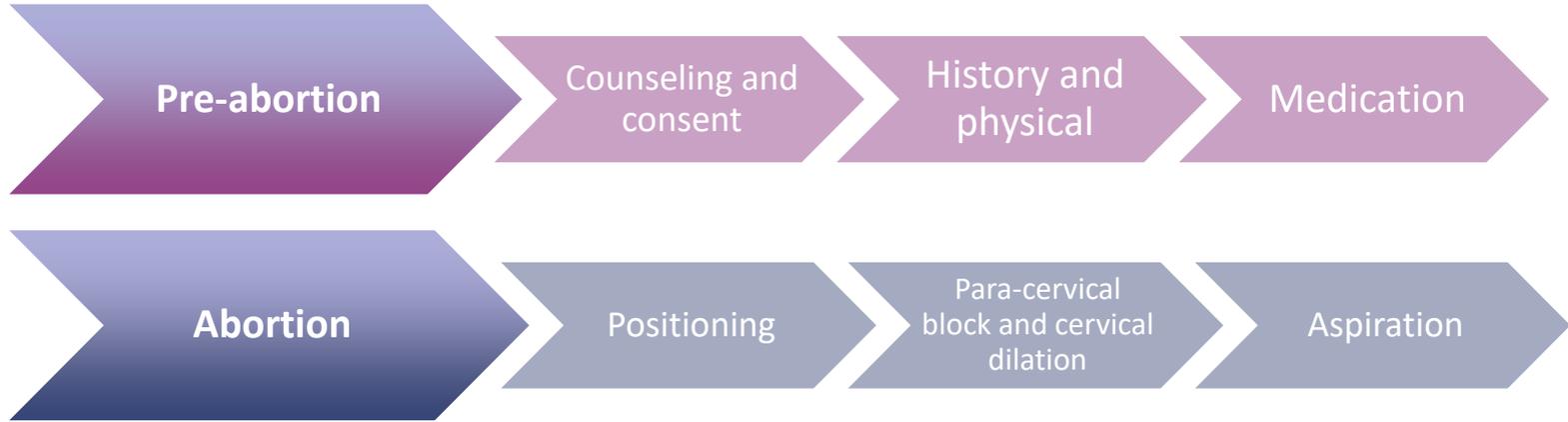
- ◀ Increase risk for major complications
- ◀ Slower procedure
- ◀ More blood loss



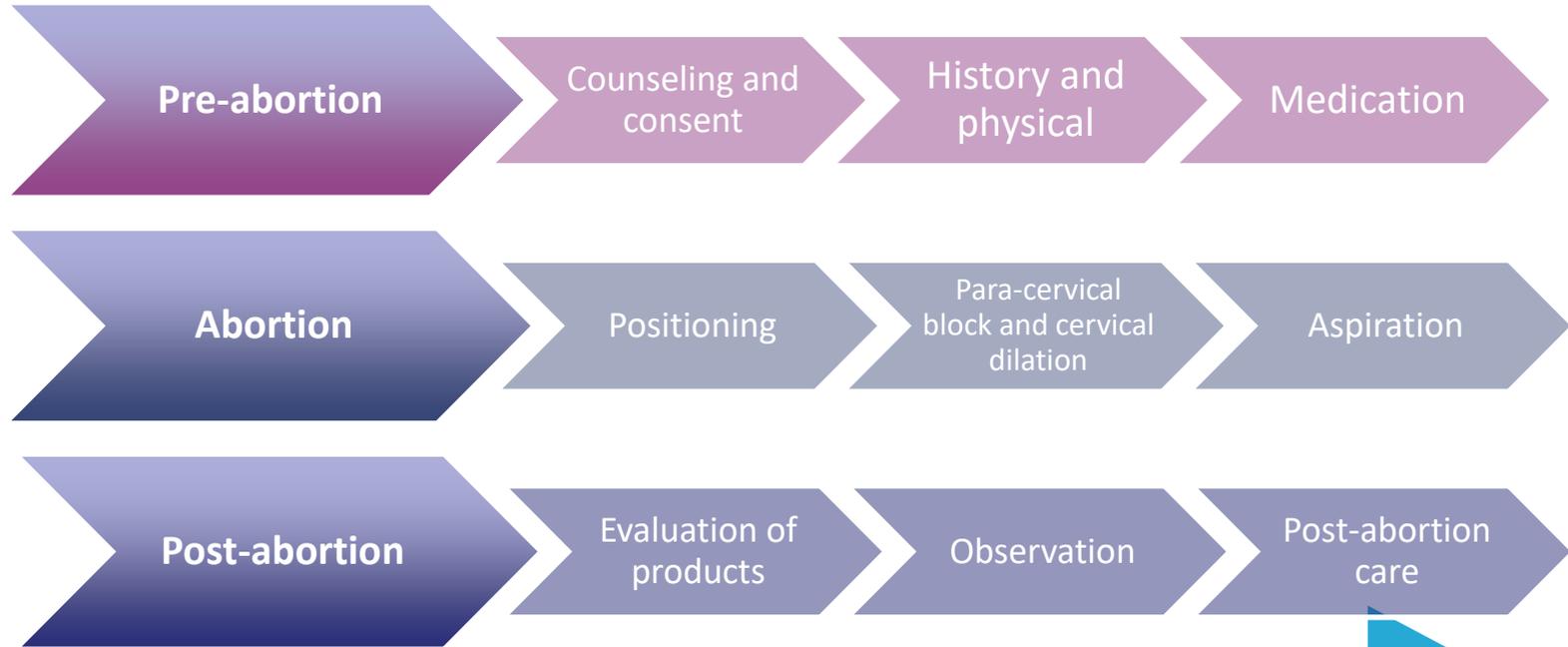
Basic steps for aspiration abortion



Basic steps for aspiration abortion



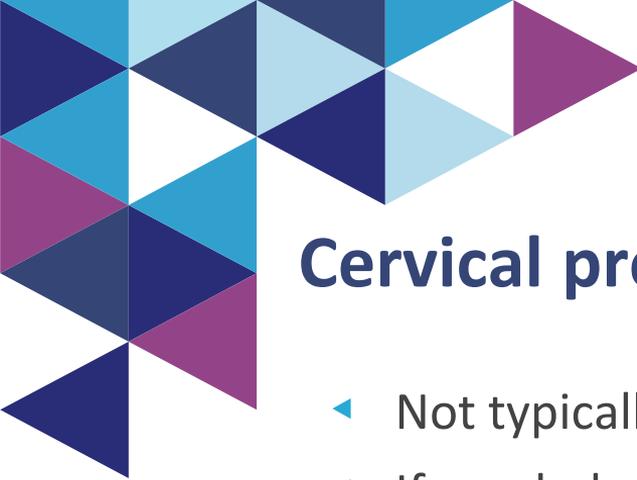
Basic steps for aspiration abortion





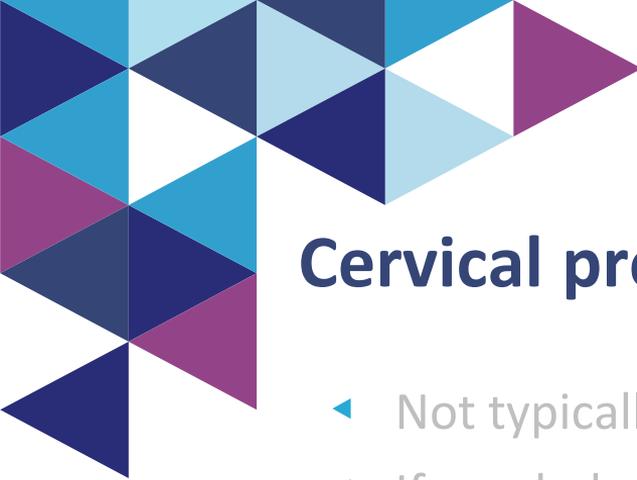
Antibiotics for prevention of infection

- ◀ Infection after induced abortion is low in US, < 1%
- ◀ Doxycycline preferred first line
 - ◀ Azithromycin and metronidazole are reasonable alternatives
- ◀ Our practice is azithromycin 500 mg pre-operatively



Cervical preparation

- ◀ Not typically needed in the first trimester
- ◀ If needed, misoprostol most commonly used
 - ◀ Osmotic cervical dilators rare



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- ◀ Not typically needed in the first trimester
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 - ◀ Osmotic cervical dilators rare
- ◀ Consider cervical preparation for
 - ◀ All < 18 years old
 - ◀ Nulliparous > 11 weeks
 - ◀ All > 13 weeks
 - ◀ Prior cervical surgery or atypical cervical/uterine anatomy

**We are going to cut
in the animation of
the uterine
aspiration**





Summary

- ◀ Many people experience abortion in their lifetime
- ◀ Majority of abortions occur in 1st trimester
- ◀ Complications in 1st trimester are rare
- ◀ Abortion with sharp curettage **should not** be performed
- ◀ Aspiration abortion is a simple, safe procedure

