FAMILY PLANNING PROGRAM AND CONTRACEPTIVE COUNSELING

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OBJECTIVES

- 1. Describe Michigan's network of family planning safety-net providers
- 2. Describe principles of Client Centered Contraceptive Counseling
- 3. Identify current FDA-approved contraceptives.

4. Discuss the mechanism of action and instructions for use of contraceptive methods, along with risks and benefits.

WHY FAMILY PLANNING?

Family Planning programs provide all individuals access to a wide range of birth control methods and help them make informed choices, so they can plan and space their births.

Family planning empowers individuals and couples to make healthy life decisions.

This leads to positive health, social and economic outcomes for individuals, families and for society as a whole.

WHO USES CONTRACEPTIVES IN THE U.S.?

In 2018

There were 72.7 Million women of Reproductive Age (15-49) in the U.S; 46 Million were sexually active and not seeking pregnancy

65% of U.S. women (15-49) were using a method of Contraception

99% of sexually experienced U.S. Women aged 15-44 have used at least one method

Of sexually active women not seeking pregnancy 88% used contraception

- 83% among 15-24-year-olds
- 91% among 25-34-year-olds
- 89-91% among women who had children
- 85% among those who had not had children
- 89% among non-Hispanic White women
- 87% among Hispanic women
- 84% among non-Hispanic Black women
- 81% among those with no insurance; 87% with Medicaid; 90% with private insurance

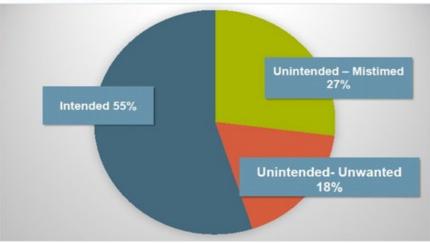
86% of sexually active women not seeking pregnancy at or below 100% FPL used contraception, while 91% of those with income at least 300% FPL used contraception.



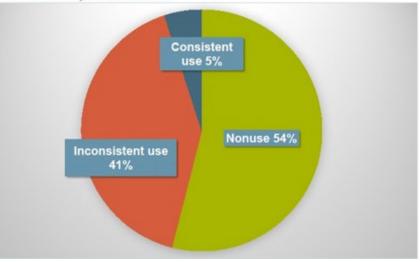
FAMILY PLANNING HELPS INDIVIDUALS AND COUPLES MEET THEIR REPRODUCTIVE GOALS

- Increasing Access to a broad range of Birth Control Methods
- Access alone is not Enough for Successful use
- Education & Counseling help People Choose the Method that will work best for them
- Education & Counseling help People use their chosen method effectively
- Successful Education & Counseling must be Person Centered

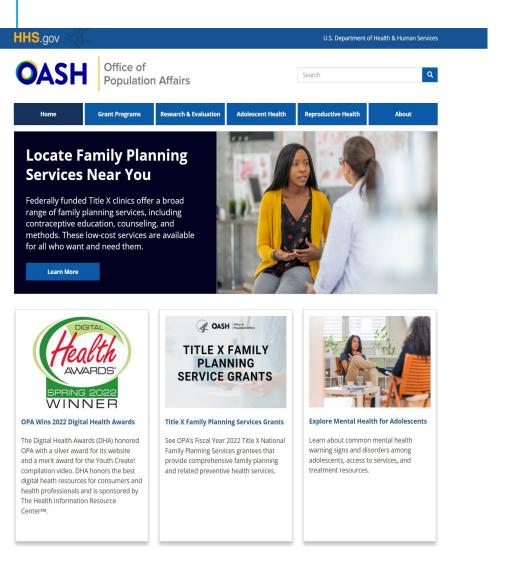
Nearly half (45%) of pregnancies in the US are unintended



Unintended pregnancy by consistency of contraception use



TITLE X FAMILY PLANNING PROGRAM



Home | HHS Office of Population Affairs

The Title X Family Planning program has provided access to a family planning and related preventive services to low-income and uninsured individuals for 50 years

Title X tenets:

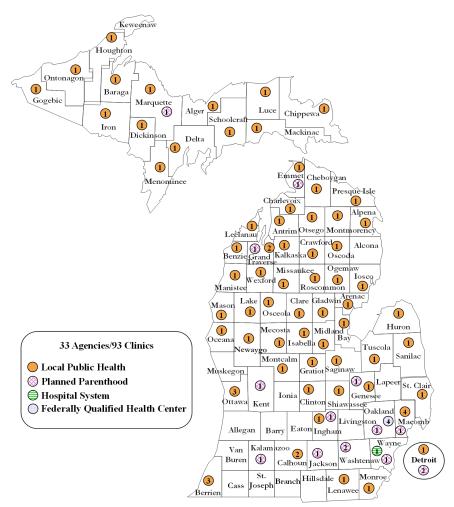
- High Quality Family Planning Services
- Focus on Education and Counseling
- Services are Client-Centered
- Services are Inclusive and Culturally Competent
- Services are Confidential
 - Including Confidential Services to Minors
- Services Prioritize Low-Income individuals
 - Services Provided Regardless of Ability to Pay
 - Services are Billed on Sliding Fee Scale or billed to Medicaid or Insurance if client agrees

MICHIGAN'S TITLE X FAMILY PLANNING PROVIDERS

Title X-Funded Clinics

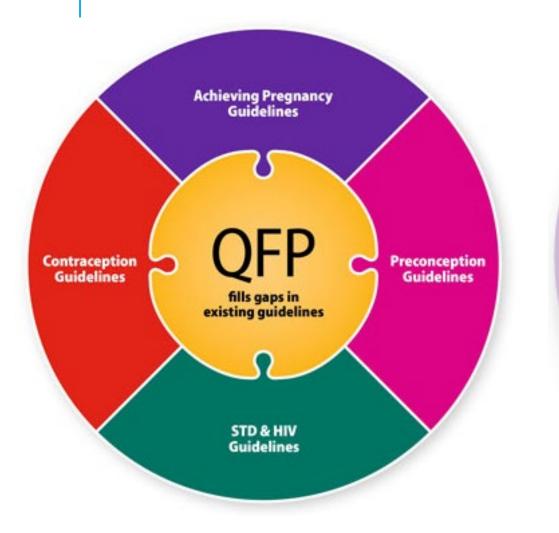
- 33 local agencies
 - 30 local health departments
 - 14 Planned Parenthood of Michigan sites
 - 1 hospital-based teen clinic
 - 1 federally qualified health center
- 92 clinic sites

MDHHS Title X Clinic Locator



Last Updated: 09/2021

WHAT ARE TITLE X FAMILY PLANNING SERVICES ?



Family planning services

- Contraceptive services
- Pregnancy testing and counseling
- Achieving pregnancy
- Basic infertility services
- Preconception health
- Sexually transmitted disease services

Related preventive health services (e.g., screening for breast and cervical cancer)

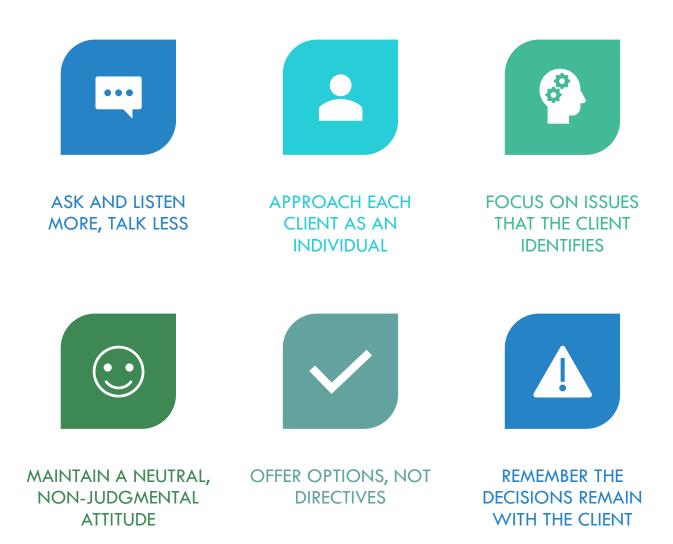
Other preventive health services (e.g., screening for lipid disorders)





CLIENT CENTERED CONTRACEPTIVE COUNSELING AND CONTRACEPTIVE CHOICES

GENERAL PRINCIPLES OF CLIENT-CENTERED COUNSELING



GOALS FOR CLIENT-CENTERED COUNSELING

Build	Build a rapport with client
Be	Be respectful of client
Listen	Listen carefully to understand client's point of view
Listen	Listen for what has worked and what hasn't worked for the client
Recognize	Recognize ambivalence.
Support	Support client's self-confidence - change is possible, client is capable. Be optimistic!
Work	Work collaboratively with client to make choices

ASSESSING THE CLIENT'S NEEDS

Our interactions with clients in reproductive health discussions should always aim to help clients identify their reproductive wishes and provide information and resources to help them achieve their wishes

We can accomplish this by:

Assuring clients of confidentiality

OAsking clients about their Reproductive goals (Questions like:)

- Do you think you might like to have children? (or more children?)
- When do you think that may be?
- How important is it to you to prevent pregnancy?
- What can we do to help with these goals?
- We can focus on the birth control options that can meet the client's need or on other options like preconception counseling or achieving a desired pregnancy.

CONTRACEPTIVE METHODS

I. Hormonal Methods available by Prescription:

- Combined hormonal contraceptives (contain both estrogen and progesterone):
 - Oral contraceptive pills
 - •Patches
 - Vaginal Rings

Progesterone-only contraceptives:
 Oral contraceptive pills
 Injection
 Implant
 IUDs
 Emergency Contraceptive pills

II NON-HORMONAL METHODS AVAILABLE BY PRESCRIPTION:

Paragard intrauterine device (IUD)

Diaphragm

Cervical cap

Vaginal gel-Phexxi is not a spermicide

III. NON-PRESCRIPTION HORMONAL CONTRACEPTIVES:

Emergency contraceptive pills

IV. Non-prescription Non-hormonal Contraceptives:

- Spermicides
- Condoms—external and internal (male and female)
- Fertility Awareness Methods
- Abstinence
- Withdrawal

What is your chance HOW WELL DOES BIRTH CONTROL WORK? of getting pregnant? Really, really well The Implant IUD 8 Copper IUD Sterilization Works, hassle-free... Forever Up to 5 years Up to 7 years Up to 12 years Less than 1 in 100 Pretty well we Xiler The Patch The Pill The Ring The Shot 6-9 in 100, Every month For it to work best, use it... Every. Single. Day. Every 3 months Every week depending on method Use a condom with any other method for protection from STDs. *** Not fortilik ----Not as well Pulling Out Fertility Awareness Internal Condom Condom

For each of these methods to work, you or your partner have to use it every single time you have sex.







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12-24 in 100,

depending on method

COMBINED ORAL CONTRACEPTIVE PILLS





WHAT TO KNOW ABOUT THE PILL

<u>What Is It?</u>

•Combination of the hormones estrogen and progestin

How Does It Work? • Prevention of ovulation

How Effective Is It?

 \odot Perfect use failure rate is <1%. Typical use failure rate is 7%.

How To Use The Pill?

• Take orally one a day; typical packs contain 21 hormones and 7 placebos

Side Effects?

Ounscheduled bleeding (breakthrough bleeding), breast tenderness, nausea typically during first 3 months. Chloasma (darkening of facial skin) can develop at any time.

<u>Risks of Combined Hormonal Contraceptive Pills?</u>

• Serious risk relates to blood clotting issues (ACHES):

- A-abdominal pain
- C-Chest pain
- H-Headache
- E-Eye problems
- S-Severe leg pain

<u>Benefits?</u>

 Regulation of bleeding, decrease in menstrual cramping, acne improvement, reduced risks for endometrial and ovarian cancers.

OUser-controlled method

•No delay in return of fertility when discontinuing the pill.

THE PATCH



WHAT TO KNOW ABOUT THE PATCH

<u>What Is It?</u>

Contraceptive skin patches are thin patches containing estrogen and progesterone. There are currently 2 patches available: Xulane and Twirla

How Does It Work?

OLike the other combined hormonal methods, the patch works by suppressing ovulation.

How Effective Is It?

• Pregnancy rates are similar to the pill.

How to use the patch?

• The patch is applied to the upper arm, lower abdomen or buttocks. Use one patch for 7 days. Apply a new patch once a week on the same day for 3 weeks in a row, no patch for the 4th week. At the end of the 4th week, start another cycle of patches.

THE PATCH

<u>Side effects</u>?

- •Similar to the combined hormonal pills.
- Possibly more breast tenderness with patch use as serum estrogen levels are higher with patch use compared to pills.
- Possible skin irritation at site of patch application; headaches and nausea.

<u>Risks</u>?

Same circulatory risks as the combined pills. Patch use is contraindicated in clients with a BMI \geq 30

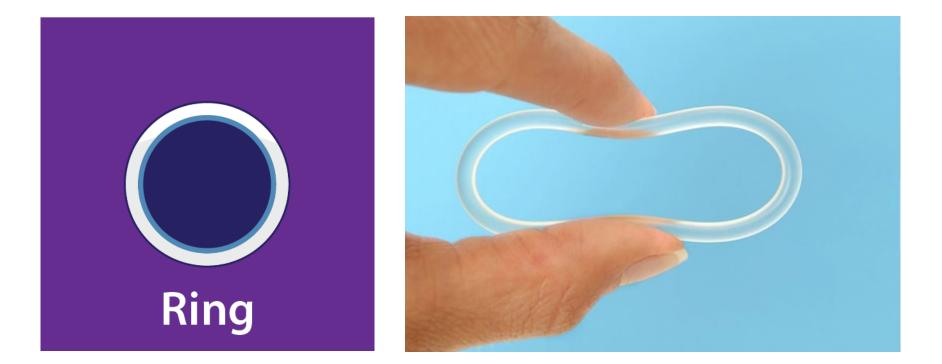
<u>Benefits</u>?

•Weekly patch application may be more convenient than daily pills schedule.

•Controlled cyclic bleeding.

○No significant weight gain.

VAGINAL RING



VAGINAL RING

<u>What Is It?</u>

•Contraceptive rings are vinyl or silicone rings containing estrogen and progesterone.

How Does It Work?

• Similar to the combined oral contraceptive pills, the ring suppresses ovulation.

How effective is the Ring?

• The effectiveness rate for the ring is similar to the pill and patch.

How to use the Ring?

• The client uses the ring by pinching the sides of the ring together using thumb and index finger and inserts into the vagina. The Nuva Ring is worn for 21 days, then removed and a new ring inserted after 7 days.

• The newer **Annovera ring** is inserted into the vagina, worn for 21 days, removed for 7 days and then reinserted for up to a year.

VAGINAL RING

Side effects?

Similar to combined oral contraceptive pills—possible headaches, nausea, breast tenderness. Possible increased vaginal discharge.

<u>Risks?</u>

• Risk of circulatory problems (blood clotting) as with other combined hormonal methods. Very rarely, TSS (Toxic Shock Syndrome).

Benefits?

•Scheduled bleeding

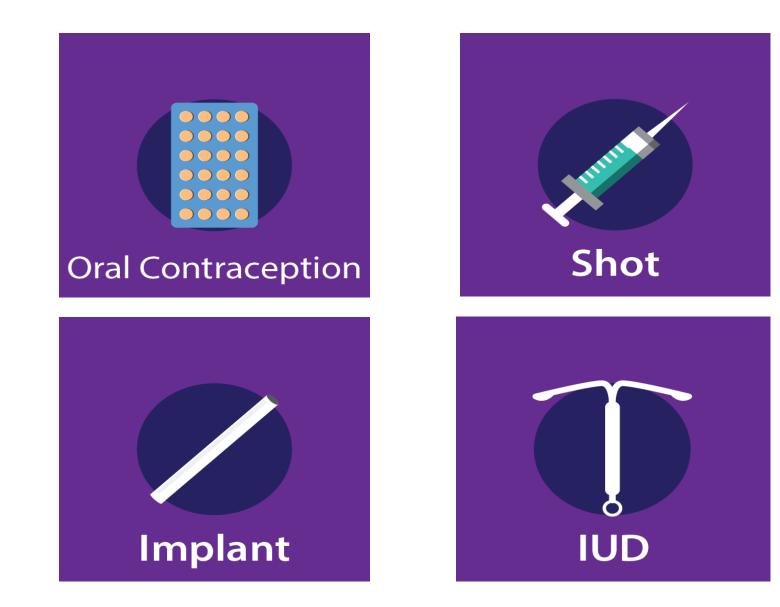
• Does not cause weight gain

OMay be more convenient than daily or weekly methods.



QUESTIONS?

PROGESTERONE-ONLY CONTRACEPTIVES



THE CONTRACEPTIVE IMPLANT

What Is It?

Nexplanon is a single vinyl rod about 1.5 inches long and contains progesterone. It is inserted under the skin of the upper arm by a clinician. It is effective in preventing pregnancy for 3 years.

How Does It Work?

•Nexplanon prevents pregnancy by suppressing ovulation and thickening cervical mucus to prevent sperm from entering the uterus.

How Effective Is the Implant?

•Nexplanon is 99% effective in preventing pregnancy.

How To Use the Implant?

OA client must have the implant inserted and removed by a clinician.

THE CONTRACEPTIVE IMPLANT

Side effects of the Implant?

OUnpredictable bleeding patterns

OHeadache

•Weight gain

oAcne

OBreast pain

Moodiness

<u>Risks?</u>

Bruising, pain, infection at the insertion siteMigration of the implant (very rare)

THE CONTRACEPTIVE IMPLANT

<u>Benefits?</u>

•Highly effective

Convenient

○Not visible

• Rapid return of fertility after removal

HORMONAL INTRAUTERINE DEVICES (IUDS)

What are hormonal IUDs?

Hormonal IUDs are T-shaped polyethylene devices that contain progesterone. Each device has strings attached for removal purposes.

Mirena (8 yrs), Skyla (3 yrs), Liletta (7 yrs), Kyleena (5 yrs) IUDs are currently available.

How do they work?

OIUDs prevent pregnancy by thickening cervical mucus to inhibit sperm motility, suppressing the endometrium and impairing sperm by changing the environment in uterus.

<u>How effective are IUDs</u>? 099% effective

How to use an IUD?

OMust be inserted into the uterus and removed by a clinician.

HORMONAL IUDS

Side effects?

Menstrual changes

Cramping

<u>Risks?</u>

Pelvic infectionIUD expulsion

OUterine perforation during insertion

Benefits?

OHighly effective

OLong-term protection

○No increased risk of blood clotting

PROGESTERONE INJECTABLE CONTRACEPTION

<u>What Is It?</u>

DMPA-IM and DMPA-Sub Q are progesterone injections used for contraception. Injections are required every 3 months.

<u>How Does It Work?</u> OMPA inhibits ovulation

How effective is the shot? 093-98%

<u>How to use the shot?</u>
The client returns for an injection every 3 months.
The IM injection is administered in the deltoid or gluteal muscle.
The Sub Q injection is administered in the abdomen or thigh.



THE DEPO SHOT

<u>Side effects</u>?

Menstrual changes

Weight gain

Depression

•Decrease in bone density

• Delayed return of fertility after discontinuing DMPA

<u>Risks?</u>

 Serious health risks due to DMPA are rare; long term use may cause reversible decreased bone density

<u>Benefits</u>?

OAmenorrhea may occur

ODecrease in cramps, headaches, breast tenderness and nausea

PROGESTERONE-ONLY PILLS (POPS)

What are progestin-only pills?

Progesterone-only pills are sometimes called "mini pills" as they do not contain estrogen.

How do they work?

Inhibit ovulation

• Thicken cervical mucus

•May slow the movement of the egg through the fallopian tubes

How effective are these pills? 095-99% effective

How to use the pills?

For some brands, take one active pill a day, everyday.For a newer brand, take 24 active pills, then 4 placebo pills

PROGESTERONE-ONLY PILLS (POPS)

Side effects?

OAcne, irregular bleeding, headache, breast tenderness, weight gain

<u>Risks?</u>

OLow risk of serious complications; some efforts being made to allow POPs to be available as an OTC drug

OSlynd is under consideration by FDA as an over-the-counter contraceptive pill

• Efficacy of POPs reduced if pills are not taken at same time each day

Benefits?

 Can be taken by clients who have contraindications to combined hormonal methods

EMERGENCY CONTRACEPTION PILLS REQUIRING PRESCRIPTION

What are Emergency Contraceptive pills (EC)?

ella is the emergency contraceptive pill requiring a prescription. It is a progesterone antagonist.

How does it work?

oella delays follicular rupture, inhibits ovulation

How effective is ella? 062-85%

How to use ella?

• Take an ella pill as soon as possible and not more than 120 hours after unprotected sex or a contraceptive failure.

EC ELLA

Side effects?

Headaches, dizziness, intermenstrual bleeding, cramping, nausea, vomiting

<u>Risks?</u>

OUse with caution while breastfeeding—risks to infant unknown

Benefits?

•More effective than OTC EC pills in heavier women



QUESTIONS?

NON-HORMONAL CONTRACEPTIVES AVAILABLE BY PRESCRIPTION

Paragard IUD

Diaphragm

Cervical Cap

Vaginal Gel (Phexxi)

PARAGARD IUD

<u>What is a Paragard?</u>

clt is a small, T-shaped device made of plastic and copper with strings attached for removal. It is effective for 12 years.

How does Paragard work?

• "Foreign body" effect of copper in the uterus causes an increase in white blood cells in uterine and tubal fluids; these changes impair sperm function and prevent fertilization.

How effective is Paragard?

Olt is more than 99% effective

How to use Paragard?

Olt is inserted through the cervix into the uterus by a clinician.

PARAGARD IUD

Side effects?

Heavier or longer periods or bleeding between periodsMenstrual cramps

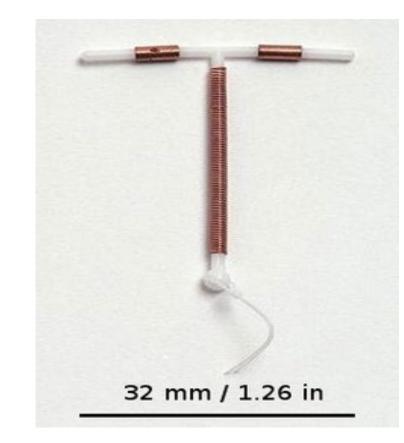
<u>Risks?</u>

Pelvic inflammatory diseasePerforation of uterus during insertion

<u>Benefits?</u>

•Contains no hormones

 Can be used for emergency contraception and is more effective (99%) than oral ECs



DIAPHRAGM

What is a diaphragm?

• Diaphragms are reusable silicone devices consisting of a dome-shaped cup with a flexible rim, available in a single size device (Caya) and multi-size devices that must be fitted to the client. Prescription is required for a diaphragm. They are used with spermicidal gel.

How does it work?

•Diaphragms are barrier methods that cover the cervix and block sperm from traveling into the uterus. Spermicidal gel boosts the effectiveness.

How effective is it?

<u>83-88%</u>

How to use the diaphragm?

•Contraceptive gel is applied to the diaphragm, the diaphragm is bent in half and inserted into the vagina prior to intercourse. The diaphragm is left in place for at least 6 hours after sex and then removed.

DIAPHRAGM

Side effects?

•May cause vaginal irritation

<u>Risks?</u>

Vaginal irritation can increase the risk of contracting STDs/HIV
 May increase risk of Toxic Shock Syndrome (TSS)

Benefits?

Client-controlledNon-hormonal



CERVICAL CAP

<u>What is it?</u>

•FemCap is a reusable silicone device that resembles a hat that fits over the cervix. Spermicide is applied to the cap. It has a loop to use for removal. The cap is available by prescription in 3 sizes.

How does it work?

• The cap provides a barrier over the cervix to block sperm from advancing into the uterus.

How effective is it?

• Estimates vary, possibly 77-92% effective

How to use a cap?

•Coat the inside of the cap with spermicide, fold the cap and insert into the vagina. Can be worn for up to 48 hours but should be removed by 24 hours after sex. Must stay in place for at least 6 hours after sex. Client uses the loop on the device to grasp and remove.

CERVICAL CAP

Side effects?

Potential for discomfort if not placed properly

•Spermicide may irritate the vagina

<u>Risks?</u>

• Possible risk of Toxic Shock Syndrome

 Possible increased risk of STDs/HIV secondary to irritation from spermicide.

<u>Benefits?</u>

○Hormone-free

 Multiple acts of sex for up to 48 hours with no additional spermi needed.



PRESCRIPTION VAGINAL GEL

<u>What is it?</u>

• Phexxi gel is a new vaginal contraceptive introduced in 2020. It is available by prescription.

How does it work?

It is a vaginal contraceptive that changes the pH of the vagina to reduce sperm motility.

How effective is it?

• About 86-93% effective

How to use the gel?

• Phexxi is inserted into the vagina using a pre-filled single-dose applicator before each act of vaginal intercourse. Insert an additional dose if intercourse does not occur within one hour of administration.

VAGINAL GEL

<u>\$ide effects?</u>

Vaginal burning, vaginal itching, vaginal discharge, vaginal yeast infection, bacterial vaginosis, pain with urination

<u>Risks</u>? •Cystitis

Pyelonephritis

Allergic reactions

<u>Benefits?</u>

OUser-controlled

○Hormone-free

OAn on-demand method



QUESTIONS?

NON-PRESCRIPTION HORMONAL CONTRACEPTION

What is it?

• The only over-the-counter hormonal contraceptives are emergency contraceptive progesterone oral pills (<u>Plan B</u>, <u>Next Choice, My Way, Take</u> <u>Action, After Pill, EContra Ez</u>). Can be written as a prescription if client has insurance coverage.

How does it work?

• Emergency contraceptive pills prevent or delay ovulation.

How effective is it?

○ Up to 87% effective; less effective if BMI≥26

How to use EC OTC?

• Take pill as soon as possible after unprotected sex (preferably within 12 hours but must be within 72 hours).

EMERGENCY CONTRACEPTION OTC

Side effects?

 Next menses early or late, lighter or heavier; nausea, vomiting, cramping, headache, breast tenderness, dizziness

<u>Risks?</u>

• Possible allergic reaction to any components of the pill (rare)

Benefits?

•No restrictions on age or gender to purchase OTC



QUESTIONS?

NON-HORMONAL, NON-PRESCRIPTION CONTRACEPTIVES

Spermicides/Vaginal Barriers

Condoms

Fertility Awareness Based Methods

Abstinence

Withdrawal

SPERMICIDES/VAGINAL BARRIERS

<u>What are spermicides/ barriers?</u>

• The spermicides contain nonoxyonol-9 and include contraceptive gels, foams, film, sponge (Today). The barriers include external male condoms (latex, natural membrane and synthetic) and internal female condoms (nitrile sheath).

How do they work?

• The spermicides work by killing the sperm.

• The barriers work by blocking sperm from entering the cervix

How effective are spermicides/barriers? • Sponge containing spermicide 76-88% • Spermicide alone 72% • External condom 82-87% • Internal condom 79%

SPERMICIDES/BARRIERS

How to Use Spermicides?

Place spermicide deep into the vagina prior to sex, usually effective for one hour.
 Avoid douching for at least 6 hours after sex

How to use barriers?

- <u>Sponge</u>—moisten with water to activate spermicide and insert into vagina to cover the cervix. It gives protection for up to 24 hours. Leave in place for 6 hours after last act of intercourse.
- External condoms (male)—place the condom on the head of erect penis; pinch air out pf tip of condom. Unroll condom all the way down the penis. Soon after ejaculation, withdraw penis, holding condom against base of penis to prevent slippage and leakage of semen.
- <u>Internal condoms (female</u>)—hold the condom at the closed end by grasping the inner ring and squeeze with thumb and middle finger so it becomes long and narrow. Insert the ring into vagina as far as it will go. The outer ring remains outside the vagina.

SPERMICIDES/BARRIERS

Side effects?

• Spermicides may cause local irritation

<u>Risks?</u>

•Potential risk of TSS with sponge use

Benefits?

○Non-hormonal

OLatex condoms can protect against many STIs, including HIV

OCan be combined with most other methods to increase contraceptive efficacy

FERTILITY AWARENESS-BASED METHODS (FABM)

<u>What is it?</u>

•FABMs are practices that identify the days in the menstrual cycle when intercourse is most likely to result in pregnancy. The recognized methods are:

Standard Days Method using CycleBeads

Cervical Secretions-Based Methods (Two Day Method, Billings Ovulation Method)

Symptothermal methods (Marquette Model electronic fertility monitor)

How do they work?

OStandard Days Method—when menstrual cycles are 26-32 days long, can use the calendar to identify fertility window and abstain or use a barrier method.

Ocervical Secretions-Based Methods—by observing presence or absence of cervical mucus, beginning and end of the fertile window can be identified.

<u>Symptothermal Methods</u> by observing changes in cervical secretions, cervical position and basal body temperature, beginning and end of the fertile window can be identified.

<u>How effective are these methods</u>?

• Difficult to estimate typical use effectiveness. In theory, perfect use of these methods would be up to 95% effective but estimates of 85% typical use have not been published because of the small number of users studied.

FABM

How to use?

- <u>Standard Days Method</u>—abstain or use barrier method on days 8-19 of the cycle. Cycle Beads can be used to keep track of cycles. (CycleBeads app also)
- OCervical Secretions-Based Methods—check for secretions. If secretions noted, today or yesterday, you can become pregnant if you have sex today. If no secretions noted yesterday and today, not likely to get pregnant if you have sex today.
- <u>Symptothermal Method</u>—chart daily first morning BBT, secretions and cervical position to identify ovulation. Use cervical secretions to identify beginning of fertile time and BBT to identify end of fertile time (BBT rises 0.4°F at ovulation). Avoid sex during identified fertile time. Marquette Model uses electronic fertility monitor to measure hormone urine levels.

Side effects/Risks?

○None

<u>Benefits</u>?

•Can be used to avoid or plan pregnancy

ABSTINENCE

<u>What is it?</u>

•Can be defined as not having vaginal, oral or anal intercourse at any time or refraining from those acts.

How does it work?

• Pregnancy does not occur if sperm do not enter the female reproductive tract.

How effective is it?

0100% effective in preventing pregnancy

How to use it?

• To prevent pregnancy, all forms of sexual expression are available except penile-vaginal intercourse.

•For STI protection, refrain from those sexual acts that result in transmission of a STI—vaginal, oral and anal.

ABSTINENCE

<u>Side effects</u>? <u> o</u>None

<u>Risks?</u>

 Abstinence intentions can fail—a back-up contraceptive method should always be planned

Benefits?

•Abstinence is the only contraceptive choice that is 100% effective

 Encourages couples to build a relationship exploring alternatives for sexual expression

WITHDRAWAL

<u>What is it?</u>

•Withdrawal, coitus interruptus, pulling out is the practice of withdrawing the penis from the vagina before ejaculation occurs.

How does it work?

• Prevents pregnancy by preventing the sperm from reaching the egg.

How effective is it? • Possibly 80%

<u>Side effects</u>? ONone

<u>Risks?</u>

OPre-ejaculate prior to ejaculation usually is not felt and the pre-ejaculate may contain a low level of sperm. Educate about emergency contraception.

Benefits?

•No medical or hormonal side effects





RESOURCES

Michigan Department of Health & Human Services • <u>Family Planning Program</u> • <u>HIV & STI</u>

Michigan Department of Education <u>HIV/STI & Sexuality Education</u>

Birth Control Charts & Other Educational Materials • Beyond the Pill

oBedsider Birth Control Support Network

oBirth Control Options – Upstream USA

OCAP Birth Control Options – English Version

oCAP Birth Control Options – Spanish Version

oSTI Education Tool – English Version

oSTI Education Tool – Spanish Version

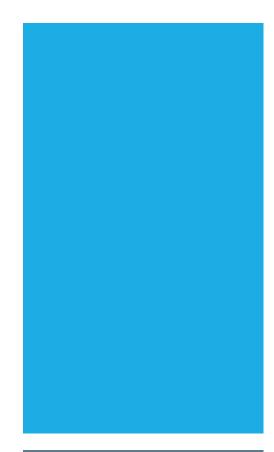
oGuttmacher Institute

RESOURCES

Contraceptive and Reproductive Health Resources

Contraceptive Technology CDC Reproductive Health CDC Sexually Transmitted Diseases National Clinical Training Center for Family Planning Reproductive Health National Training Center

Planned Parenthood of Michigan









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