

FMU's Student Health Services

Monday - Friday

Hours: 8:30 a.m.- 12:30 p.m. & 1:30 p.m.- 4:30 p.m. Students are strongly encouraged to make an appointment to be seen.

> University Center, 2nd floor Email: swalters@fmarion.edu (843) 661-1844 – Office

Birth Control Options available:

Birth Control Pills Ortho Evra Patch Nuva Ring Depo-Provera Injections Administration of Plan B (\$15) as indicated

Screening available:

Chlamydia and Gonorrhea screening \$60 Pregnancy Tests are free Bacterial Vaginosis, Yeast Infections, and Trichomoniasis screening is free Pap Smear \$40

****** Please don't go to Pregnancy "Crisis Centers" for info. on pregnancy, birth control, Plan B, etc.... They give inaccurate info. Please see a REAL physician.



6. Birth Control. 1. Abstinence (includes "outercourse") = no sex (100% effective, but takes willpower!) High Teenage Birthrate Associated with Abstinence-Only Education and Low Incor Data Sources: influstes - CDC.gov ex Ed - SIECUS.org Girls 15-19 nce Only Median Hor 19.8-31.4 Education Income 31.5-40.1 40.2-50.1 50.2-65.7 <\$46,000 YES NO Map by Kate Prengaman







2. Avoidance methods d) <u>Coitus interruptus (withdrawal)</u> – pull out penis before ejaculation. Depends on self control. (78% effective)

3. Breast feeding

<u>Lactational amenorrhea method (LAM)</u> = breast feeding

"Lactational" refers to breastfeeding, and "amenorrhea" means not having your period. (98% effective)

- Only effective during first 6 months, and if nurse every 4 hrs during day, and 6 times during night.

- Using breast pump doesn't seem to work.















7. Hormonal <u>The Pill (99% effective – if used correctly</u>) PREVENTS OVULATION! It does not cause abortion. [There are many people that confuse (ignorantly, or purposefully) contraceptives with abortion.] The pill delivers synthetic estrogen & progesterone Rising blood estrogen & progesterone inhibit (by negative feedback) hypothalamic GnRH & pituitary LH & FSH Low pituitary LH & FSH Low pituitary LH & FSH inhibits egg development and prevents ovulation. Also reduces endometrial growth (good for people w/endometriosis) Also thickens cervical mucus (barrier to sperm) Typical hormonal pill has 21 days of "active" (contains hormones) pill where endometrium thickens slightly but no egg ovulated, and 7 days of "placebo" (hormone-free) pill, when menstruation occurs.



















Male Hormonal Birth Control:

Pill – combo of testosterone and progestin to inhibit sperm development (by inhibiting pituitary LH & FSH).

Injection (2003) – 100% effective in clinical trials in Australia (55 men, for 1 year). Hormone injection of progestin turns off normal production of sperm (by inhibiting pituitary LH & FSH).

Implant – testosterone implant inhibits sperm production by inhibiting pituitary LH & FSH.

Gel - testosterone & progestin gel that inhibits sperm production by inhibiting pituitary LH & FSH.

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Male Birth Control – NOT hormonal: Reversible Inhibition of Sperm Under Guidance (RISUG) or simply Vasalgel - Reversible and non-hormonal - QUICK (10 – 15 min procedure in office) - Cheap. - Long-term effectiveness (10 yrs) - Inject gel into vas deferens (blocks sperm transport) - Remove when want be getting injection that dissolves gel. - Studies show quick return to normal fertility. - In USA, clinical trials began in 2014, for possible introduction to market in 2018. (*2020 update: Clinical trials have still not been completed.) - Newest estimate at availability is 2026 Click HERE to read more about Vas occlusive contraception.













Some common STDs:

Bacterial STDs

1. <u>Chlamydia</u> – caused by <u>Chlamydia trachomatis</u>, the most frequently reported infectious disease in the U.S. highly contagious and often without noticeable symptoms

2. <u>Gonorrhea</u> -caused by the bacterium *Neisseria gonorrhoeae*. See painful urination, discharge, or no symptoms at all. Is becoming resistant to most antibiotics!

3. <u>Syphillis</u> – caused by *Treponema pallidum*.

Viral STDs

1. <u>herpes simplex virus</u>	simplex 1 – causes cold sores
	simplex 2 – causes genital herpes

2. <u>HIV</u> (human immunodeficiency virus) – can be latent for many years, may lead to AIDS (acquired immunodeficiency syndrome).

3. HPV (human papilloma virus) - over 40 strains!





Bacterial STDs

3. <u>Syphillis</u> – caused by Treponema pallidum. <u>Infection has 3 stages:</u>



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Viral STDs 1. Herpes Simplex Virus (HSV) – simplex 1 (cold sores) Image: Simplex Virus (HSV) – simplex 1 (cold sores) HSV can be latent, and then reactivate into painful blisters, which show up at sites of infection. Image: Provide the structure of the structure outbreak severity

Viral STDs

1. Herpes Simplex Virus (HSV) – simplex 2 (genital)



CDC says 1 in 6 Americans infected with Herpes simplex 2 virus.

HSV can be latent, and then reactivate into painful blisters, which show up at sites of infection.

 \rightarrow no cure; treatment is to minimize outbreak severity



Viral STDs

3. HIV:

- Nearly 35 million people worldwide are infected.

- Approximately 1.4 million people in North America are infected.

- Virus attacks immune system (T-cells). Your body is supposed to produce millions of T-cells daily. T-cell counts is a method to track progression of HIV infection.

-4 stages of HIV:

1. Acute primary infection (some people's immune system defeats virus) Flu-like symptoms, soreness, fever.

2. Latent infection - virus can lie dormant in body for 10 years, but still infectious.

3. Symptomatic infection - viral load increases, drop in T-cells, opportunistic infections, weight loss.

4. AIDS - immune system compromised, T-cell counts < 200 cells/cubic ml blood.









Other common STDs: STD's caused by parasites: Pubic lice or crabs (Pediculosis pubis) Pubic lice is a parasitic insect that feeds exclusively on blood. Can be spread by intimate contact with an infected person. Can live in any body area covered by hair, even eyelashes! Nit (egg) Adult Pubic Louse Adult Pubic Louse Pubic lice on groin Pubic lice on groin













