**Template: Guidelines for Doxycycline as STI PEP**

**Background/Efficacy**

More than 2.5 million cases of chlamydia, gonorrhea, and syphilis were reported in 2021. ([Sexually Transmitted Disease Surveillance 2021; CDC](https://www.cdc.gov/std/statistics/2021/default.htm)) From 2020 to 2021, reported U.S. syphilis cases increased by 32%, gonorrhea rates increased more than 4%, and chlamydia increased nearly 4%. ([Sexually Transmitted Disease Surveillance 2021; CDC](https://www.cdc.gov/media/releases/2023/s0411-sti.html)) An NIH-funded study [published](https://www.nejm.org/doi/full/10.1056/NEJMoa2211934) by the New England Journal of Medicine in April 2023 found that doxycycline as post-exposure prophylaxis (PEP) reduced syphilis by 87%, chlamydia by 88%, and gonorrhea by 55% in individuals taking HIV PrEP. Moreover, doxycycline as STI PEP reduced syphilis by 77%, chlamydia by 74%, and gonorrhea by 57% in people living with HIV (PLWH). ([N Engl J Med 2023; 388:1296-1306](https://www.nejm.org/doi/full/10.1056/NEJMoa2211934)) Current Efficacy data only applies to adult gay and bisexual men and transgender women. Studies among heterosexual cisgender women are ongoing.

**Dosing**

* 200 mg of doxycycline should be taken ideally within 24 hours but no later than 72 hours after condomless oral, anal or vaginal sex.
* Doxycycline can be taken as often as every day, depending on frequency of sexual activity, but individuals should not take more than 200 mg within a 24-hour period.
* Either doxycycline hyclate delayed release 200 mg (1 tab) OR doxycycline hyclate or monohydrate immediate release 100 mg (2 tabs taken simultaneously) are acceptable.
* Immediate release may be less expensive than delayed release and should be equivalently bioavailable.
* For ICD10 diagnosis code, use Z20.2 (Contact with and (suspected) exposure to infections with a predominantly sexual mode of transmission).

**Implementation Protocol**

*Insert implementation protocols for your clinic, health department, or community-based organization here.*