

These summary guidelines reflect the 2010 CDC Guidelines for Treatment of Sexually Transmitted Diseases. Complete guidelines can be ordered online at [www.cdc.gov/std/treatment/2010](http://www.cdc.gov/std/treatment/2010).

For evaluation and treatment of sex partners, contact your state and local health departments via the National Coalition of STD Directors, [www.ncsddc.org](http://www.ncsddc.org).

For training and clinical consultation, contact your regional STD/HIV Prevention Training Center via the National Network of STD/HIV Prevention Training Centers, [www.nnptc.org](http://www.nnptc.org).

DISEASE	RECOMMENDED Rx	DOSE/ROUTE	ALTERNATIVES	
<b>Bacterial Vaginosis</b> Nonpregnant women	metronidazole oral <sup>1</sup> metronidazole gel 0.75% <sup>1</sup> clindamycin cream 2% <sup>1,2</sup>	OR 500 mg orally 2x/day for 7 days OR One 5 g applicator intravaginally 1x/day for 5 days OR One 5 g applicator intravaginally at bedtime for 7 days	◆ tinidazole 2 g orally 1x/day for 2 days ◆ tinidazole 1 g orally 1x/day for 5 days clindamycin 300 mg orally 2x/day for 7 days clindamycin ovules 100 mg intravaginally at bedtime for 3 days	
	Pregnancy <sup>3,4</sup>	metronidazole oral <sup>1</sup> clindamycin oral	OR 500 mg orally 2x/day for 7 days or 250 mg orally 3x/day for 7 days OR 300 mg orally 2x/day for 7 days; See complete guidelines for dosing	
<b>Cervicitis</b> <sup>5</sup>	azithromycin doxycycline <sup>6</sup>	OR 1 g orally in a single dose OR 100 mg orally 2x/day for 7 days		
<b>Chlamydial Infections</b> Adults, adolescents, and children aged ≥8 years	azithromycin doxycycline <sup>6</sup>	OR 1 g orally in a single dose OR 100 mg orally 2x/day for 7 days	erythromycin base <sup>7</sup> 500 mg orally 4x/day for 7 days erythromycin ethylsuccinate <sup>8</sup> 800 mg orally 4x/day for 7 days levofloxacin <sup>9</sup> 500 mg orally 1x/day for 7 days ofloxacin <sup>9</sup> 300 mg orally 2x/day for 7 days	
	Pregnancy <sup>3</sup>	azithromycin <sup>10</sup> amoxicillin	OR 1 g orally in a single dose OR 500 mg orally 3x/day for 7 days	erythromycin base <sup>7,11</sup> 500 mg orally 4x/day for 7 days erythromycin base 250 mg orally 4x/day for 14 days erythromycin ethylsuccinate 800 mg orally 4x/day for 7 days erythromycin ethylsuccinate 400 mg orally 4x/day for 14 days
Children (<45 kg): urogenital, rectal	erythromycin base <sup>12</sup> or ethylsuccinate	50 mg/kg/day orally (4 divided doses) daily for 14 days		
Neonates: ophthalmia neonatorum, pneumonia	erythromycin base <sup>12</sup> or ethylsuccinate	50 mg/kg/day orally (4 divided doses) daily for 14 days		
<b>Epididymitis</b> <sup>13,14</sup>  <i>For acute epididymitis most likely due to enteric organisms or with negative GC culture or NAAT:</i>	ceftriaxone doxycycline	PLUS 250 mg IM in a single dose 100 mg orally 2x/day for 10 days		
	levofloxacin ofloxacin	OR 500 mg orally 1x/day for 10 days OR 300 mg orally 2x/day for 10 days		
<b>Genital Herpes Simplex</b> First clinical episode of genital herpes	acyclovir acyclovir famciclovir <sup>15</sup> valacyclovir <sup>15</sup>	OR 400 mg orally 3x/day for 7-10 days <sup>16</sup> OR 200 mg orally 5x/day for 7-10 days <sup>16</sup> OR 250 mg orally 3x/day for 7-10 days <sup>16</sup> OR 1 g orally 2x/day for 7-10 days <sup>16</sup>		
	Episodic therapy for recurrent genital herpes	acyclovir acyclovir acyclovir famciclovir <sup>15</sup> famciclovir <sup>15</sup> famciclovir <sup>15</sup> valacyclovir <sup>15</sup> valacyclovir <sup>15</sup>	OR 400 mg orally 3x/day for 5 days OR 800 mg orally 2x/day for 5 days OR 800 mg orally 3x/day for 2 days OR 125 mg orally 2x/day for 5 days OR 1000 mg orally 2x/day for 1 day <sup>16</sup> OR ◆ 500 mg orally once, followed by 250 mg 2x/day for 2 days OR 500 mg orally 2x/day for 3 days OR 1 g orally 1x/day for 5 days	
Suppressive therapy <sup>17</sup> for recurrent genital herpes	acyclovir famciclovir <sup>15</sup> valacyclovir <sup>15</sup> valacyclovir <sup>15</sup>	OR 400 mg orally 2x/day OR 250 mg orally 2x/day OR 500 mg orally once a day OR 1 g orally once a day		
Recommended regimens for episodic infection in persons with HIV infection	acyclovir famciclovir <sup>15</sup> valacyclovir <sup>15</sup>	OR 400 mg orally 3x/day for 5-10 days OR 500 mg orally 2x/day for 5-10 days OR 1 g orally 2x/day for 5-10 days		
Recommended regimens for daily suppressive therapy in persons with HIV infection	acyclovir famciclovir <sup>15</sup> valacyclovir <sup>15</sup>	OR 400-800 mg orally 2-3x/day OR 500 mg orally 2x/day OR 500 mg orally 2x/day		
<b>Genital Warts</b> <sup>18</sup> (Human Papillomavirus) External genital and perianal warts	<b>Patient Applied</b> podofilox 0.5% <sup>15</sup> solution or gel imiquimod 5% <sup>15</sup> cream ◆ sinecatechins 15% ointment <sup>2,15</sup>	OR Apply to visible warts 2x/day for 3 days, rest 4 days, 4 cycles max. OR Apply once h.s., wash off after 6-10 hours 3x/week QOD, 16 weeks max. OR Apply 3x/day, 16 weeks max; See complete CDC guidelines.		
	<b>Provider Administered</b> Cryotherapy podophyllin resin 10%-25% <sup>15</sup> trichloroacetic acid or bichloroacetic acid 80%-90% surgical removal	OR Cryotherapy OR Apply small amount, dry, wash off in 1-4 hours. Repeat weekly if necessary OR Apply small amount, dry, apply weekly if necessary	Intralesional interferon Laser surgery	
				OR

1. The recommended regimens are equally efficacious.  
2. These creams are oil-based and may weaken latex condoms and diaphragms. Refer to product labeling for further information.  
3. Please refer to the complete 2010 CDC Guidelines for recommended regimens.  
4. Existing data do not support the use of topical agents in pregnancy.  
5. Consider concurrent treatment for gonococcal infection if prevalence of gonorrhea is >5% (younger age).  
6. Should not be administered during pregnancy, lactation, or to children <8 years of age.  
7. If patient cannot tolerate high-dose erythromycin base schedules, change to 250 mg 4x/day for 14 days.

8. If patient cannot tolerate high-dose erythromycin ethylsuccinate schedules, change to 400 mg orally 4 times a day for 14 days.  
9. Contraindicated for pregnant or lactating women.  
10. Clinical experience and published studies suggest that azithromycin is safe and effective.  
11. Erythromycin estolate is contraindicated during pregnancy.  
12. Effectiveness of erythromycin treatment is approximately 80%; a second course of therapy may be required.  
13. Patients who do not respond to oral therapy (within 72 hours) should be re-evaluated.  
14. For patients with suspected sexually transmitted epididymitis, close follow-up is essential.

15. No definitive information available on prenatal exposure.  
16. Treatment may be extended if healing is incomplete after 10 days of therapy.  
17. Consider discontinuation of treatment after one year to assess frequency of recurrence.  
18. Vaginal, cervical, urethral, meatal, and anal warts may require referral to an appropriate specialist.  
◆ Indicates revision from the 2006 CDC Guidelines for the Treatment of Sexually Transmitted Diseases

DISEASE	RECOMMENDED Rx	DOSE/ROUTE	ALTERNATIVES	
<b>Gonococcal Infections<sup>19</sup></b> Adults, adolescents, and children >45 kg: urogenital, rectal	ceftriaxone cefixime <sup>20</sup> ◆ Single-dose injectible cephalosporin regimens <sup>3</sup>  PLUS azithromycin <sup>6</sup> doxycycline <sup>9</sup>	OR OR  OR	◆ 250 mg IM in a single dose 400 mg orally in a single dose See complete CDC guidelines.  1 g orally in a single dose 100 mg orally 2x/day for 7 days	See complete CDC guidelines.
◆ Pharyngeal <sup>21</sup>	ceftriaxone  PLUS azithromycin <sup>6</sup> doxycycline <sup>9</sup>	OR	250 mg IM in a single dose  1 g orally in a single dose 100 mg orally 2x/day for 7 days	
Pregnancy <sup>3</sup>	See complete CDC guidelines.			
Adults and adolescents: conjunctivitis	ceftriaxone		1 g IM in a single dose, irrigate infected eye with saline solution once	
Children (≤ 45 kg): urogenital, rectal, pharyngeal	ceftriaxone <sup>22</sup>		◆ 125 mg IM in a single dose	
<b>Lymphogranuloma venereum</b>	doxycycline <sup>6</sup>		100 mg orally 2x/day for 21 days	erythromycin base 500 mg orally 4x/day for 21 days
<b>Nongonococcal Urethritis (NGU)</b>	azithromycin <sup>10</sup> doxycycline <sup>9</sup>	OR	1 g orally in a single dose 100 mg orally 2x/day for 7 days	erythromycin base <sup>7</sup> 500 mg orally 4x/day for 7 days erythromycin ethylsuccinate <sup>8</sup> 800 mg orally 4x/day for 7 days levofloxacin 500 mg 1x/day for 7 days ofloxacin 300 mg 2x/day for 7 days
Recurrent NGU <sup>3,23,24</sup>	metronidazole <sup>25</sup> tinidazole PLUS azithromycin (if not used for initial episode)	OR PLUS	2 g orally in a single dose 2 g orally in a single dose 1 g orally in a single dose	
<b>Pediculosis Pubis</b>	permethrin 1% creme rinse pyrethrins with piperonyl butoxide	OR	Apply to affected area, wash off after 10 minutes Apply to affected area, wash off after 10 minutes	malathion 0.5% lotion, applied 8-12 hrs then washed off ivermectin 250 µg/kg, orally repeated in 2 weeks
<b>Pelvic Inflammatory Disease<sup>13</sup></b>	1. ceftriaxone doxycycline  metronidazole  2. cefoxitin doxycycline  metronidazole  3. Other parenteral third- generation cephalosporin (e.g. ceftizoxime or cefotaxime) doxycycline  metronidazole	PLUS  WITH OR WITHOUT  PLUS  WITH OR WITHOUT  PLUS  WITH OR WITHOUT	250 mg IM in a single dose 100 mg orally 2x/day for 14 days  500 mg orally 2x/day for 14 days  2 g IM in a single dose and probenecid, 1 g, orally administered concurrently in a single dose 100 mg orally 2x/day for 14 days  500 mg orally 2x/day for 14 days  100 mg orally 2x/day for 14 days  500 mg orally 2x/day for 14 days	Alternative oral regimens are listed in complete CDC guidelines.
<b>Scabies</b>	permethrin 5% cream ivermectin	OR	Apply to all areas of body from neck down, wash off after 8-14 hours 200 µg/kg orally, repeated in 2 weeks	lindane 1% <sup>26,27</sup> 1 oz. of lotion or 30 g of cream, applied thinly to all areas of the body from the neck down, wash off after 8 hours
<b>Syphilis</b> Primary, secondary, or early latent <1 year	benzathine penicillin G		2.4 million units IM in a single dose	doxycycline <sup>6,28</sup> 100 mg 2x/day for 14 days tetracycline <sup>6,28</sup> 500 mg orally 4x/day for 14 days
Latent >1 year, latent of unknown duration	benzathine penicillin G		2.4 million units IM in 3 doses each at 1 week intervals (7.2 million units total)	doxycycline <sup>6,28</sup> 100 mg 2x/day for 28 days tetracycline <sup>6,28</sup> 500 mg orally 4x/day for 28 days
Pregnancy <sup>3</sup>	See complete CDC guidelines.			
Neurosyphilis	aqueous crystalline penicillin G		3 to 4 million units IV every 4 hours for 10-14 days (18-24 million units/day)	procaine penicillin G 2.4 MU IM 1x daily probenecid 500 mg orally 4x/day, both for 10-14 days.
Congenital syphilis	aqueous crystalline penicillin G procaine penicillin G	OR	100,000-150,000 units/kg/day (50,000 units/kg/dose IV every 12 hours) during the first 7 days of life and every 8 hours thereafter for a total of 10 days 50,000 units/kg/dose IM in a single dose for 10 days	
Children: primary, secondary, or early latent <1 year	benzathine penicillin G		50,000 units/kg IM in a single dose (maximum 2.4 million units)	
Children: latent >1 year, latent of unknown duration	benzathine penicillin G		50,000 units/kg IM for 3 doses at 1 week intervals (maximum total 7.2 million units)	
<b>Trichomoniasis</b>	metronidazole <sup>25</sup> tinidazole <sup>29</sup>	OR	2 g orally in a single dose 2 g orally in a single dose	metronidazole <sup>25</sup> 500 mg 2x/day for 7 days

19. Patients with gonococcal infection should receive co-treatment for chlamydial infection.

20. Not effective against pharyngeal gonococcal infection.

21. Only ceftriaxone is recommended for the treatment of pharyngeal infection. Providers should inquire about oral sexual exposure

22. Use with caution in hyperbilirubinemic infants, especially those born prematurely.

23. MSM are unlikely to benefit from the addition of nitroimidazoles.

24. Moxifloxacin 400mg orally 1x/day for 7 days effective against *Mycoplasma genitalium*

25. Pregnant patients can be treated with 2 g single dose.

26. Contraindicated for pregnant or lactating women, or children <2 years of age.

27. Do not use after a bath; should not be used by persons who have extensive dermatitis.

28. Pregnant patients allergic to penicillin should be treated with penicillin after desensitization.

29. Randomized controlled trials comparing single 2 g doses of metronidazole and tinidazole suggest that tinidazole is equivalent to, or superior to, metronidazole in achieving parasitologic cure and resolution of symptoms.

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