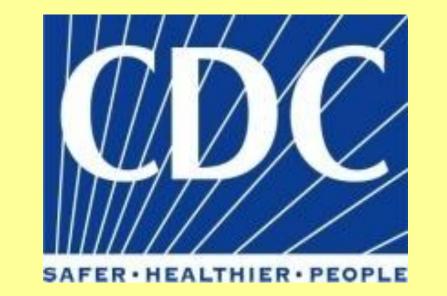


Management dilemmas in syphilis: a survey of infectious disease experts

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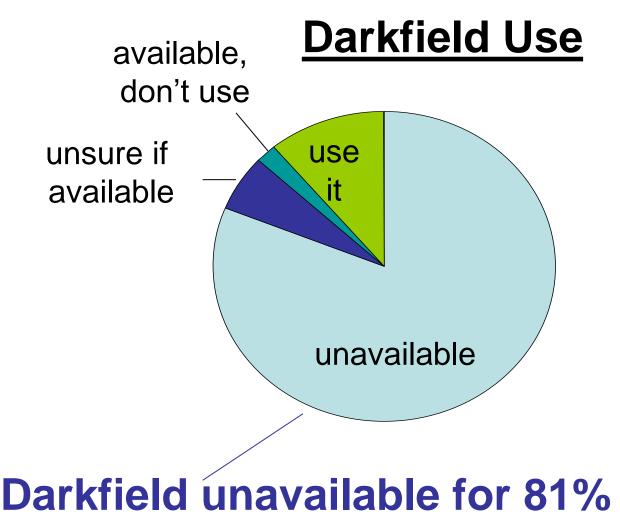


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OBJECTIVES

To determine how infectious disease experts manage syphilis when guidance cannot be followed using available tests or when clear guidance can't be provided given limited evidence

DIAGNOSIS OF PRIMARY SYPHILIS



DECISION TO TREAT

In deciding whether to treat for primary syphilis, do you

- send RPR, treat? 56% _____
- send RPR, repeat if negative before treating? 18%
- send RPR, treat only if positive? 17%
- treat, no RPR? 7%
- Other? 7%

Some consultants rely on nontreponemal syphilis tests to decide whether to treat

Because serologic tests may be falsely negative in 20-30% of primary syphilis, this approach may leave some 1° syphilis untreated and allow ongoing transmission

METHODS

Web-based surveys **Invited 1007 Infectious Diseases Society of** America Emerging Infections Network (EIN) members

RESPONDENTS

465 (46%) responded 75 respondents did not manage syphilis and were excluded

Practice settings



For an HIV-infected patient with secondary syphilis, how do you treat?

Benzathine penicillin once (vs. 3 times), by # of syphilis patients last year

60

≈ 50

injection, 00 00

one

20

Most respondents (62%) treat secondary syphilis in HIV-positive patients with 3 weekly injections of benzathine penicillin

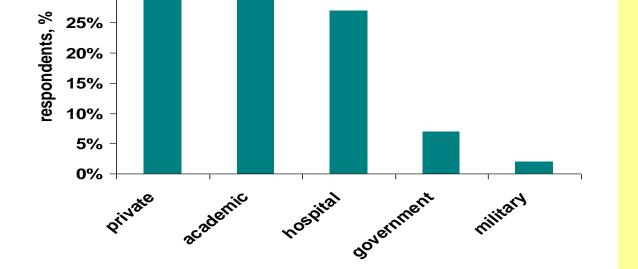
Respondents caring for more syphilis patients were more likely to treat with 1 injection

LIMITATIONS

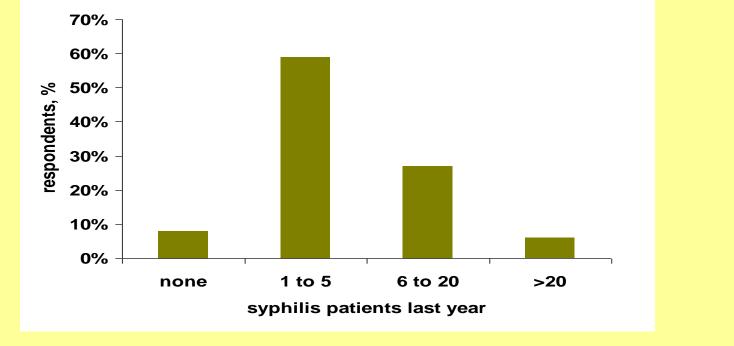
- Infectious diseases consultants do not represent all clinicians managing syphilis
- Limited response rate; respondents may have had a greater interest in syphilis and may have been more aware of existing guidelines than nonrespondents
- We conducted a survey and not an audit of actual practice
- We limited the number of questions in order to increase survey acceptability

CONCLUSIONS





Syphilis patients seen last year

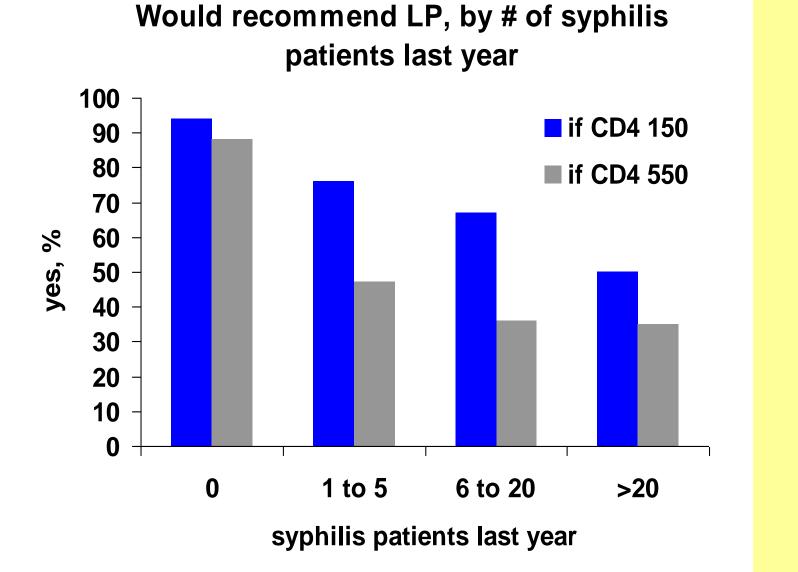


ASSESSMENT FOR NEUROSYPHILIS

syphilis patients last year

1 to 5

Would you recommend lumbar puncture (LP) for an HIV-infected patient with secondary syphilis, RPR 1:32, and no neurologic or ophthalmologic symptoms or signs?



Respondents with more syphilis patients were less likely to recommend LP

>20

6 to 20

- Sensitive diagnostic tests for primary syphilis are not available and are needed
- **Clinicians with less experience** managing syphilis may choose to err on the side of overtreatment
- More data are needed to determine whether early detection and treatment of asymptomatic cerebrospinal fluid abnormalities improves long-term outcomes in HIVinfected patients with syphilis

For more information, email D. Dowell at gdo7@cdc.gov

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