



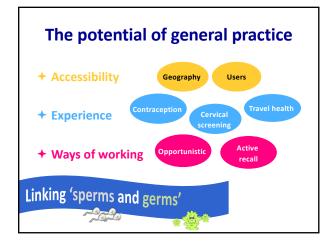
#### **Learning outcomes**

By the end of this session you should be able to:

- Explain why diagnosing and treating STIs is important
- Demonstrate to patients how to use condoms
- Understand which STI tests you can offer to your patients and management of STIs
- + Outline risk groups and behaviours for STIs

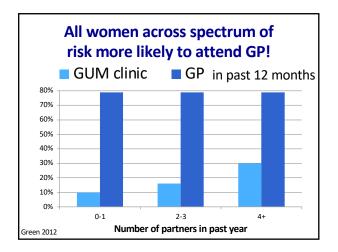
### What we'll cover today

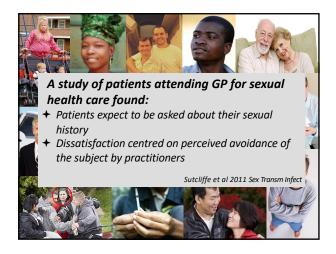
- Clinical significance of STIs in general practice
- ✤ STI prevention benefits & limitations of condom use
- STI testing, including taking swabs
- STI management
- Patterns of STI risk, including risk groups and risk behaviour and their relevance to clinical practice

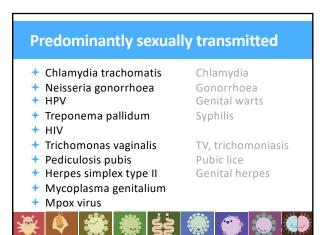










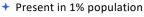


### Mpox epidemic UK 2022

- + Usually self-limiting infection, symptoms lasting 2-4 wks.
- Occasionally severe
- + 99% men who have sex with men; highest risk subgroup
- Usually transmitted by close sexual contact
- Initial presentation may be fever, headache, myalgia, swollen glands, joint pain
- Solitary lesions common

#### Mycoplasma Genitalium

- + Men: NG urethritis (discharge & balanitis)
- Women: PID/cervicitis
- But considered harmless in those without symptoms





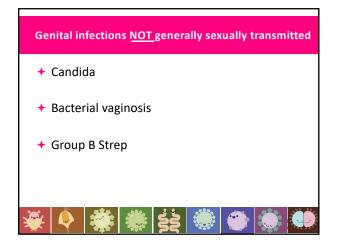
- Currently no screening
  Often co-exists w Chlamydia and other STIs
- Difficult to diagnose
- Difficult to treat Macrolide resistance problem

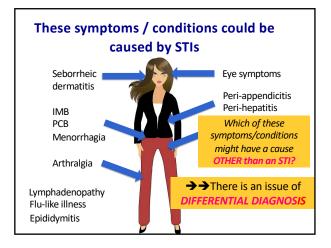
#### Sexual transmission well recognised, not predominant route

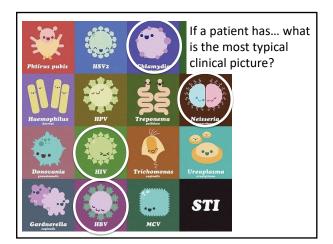
- + Hepatitis B
- Hepatitis A
- Herpes simplex type I
- + Sarcoptes scabiei
- Molluscum contagiosum
- Shigella flexneri

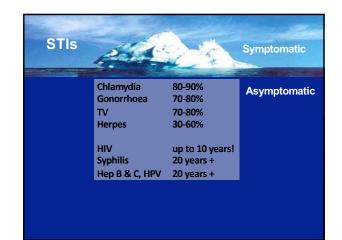
Hepatitis C rarely recognised to transmit sexually

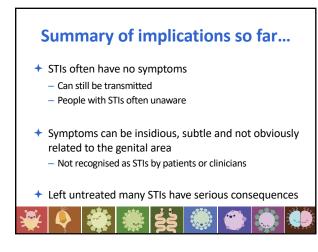










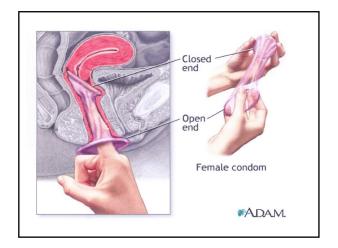


#### What we'll cover today

- + Clinical significance of STIs in general practice
- + STI prevention benefits & limitations of condom use
- STI testing, including taking swabs
- STI management
- Patterns of STI risk, including risk groups and risk behaviour and their relevance to clinical practice





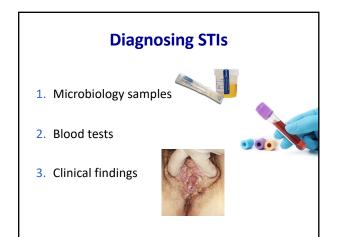


## **Stages of condom use** associated with 'failure' Opening package + Putting the condom onto the penis ✤ Removing after ejaculation + Use of lubricants + STI management + Non-use

Practise makes perfect

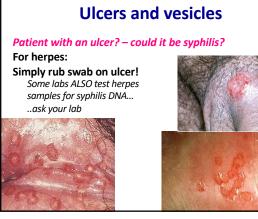


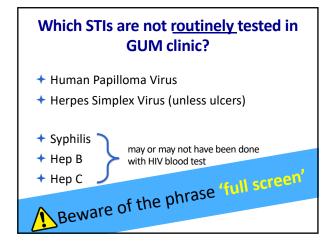
- + Clinical significance of STIs in general practice
- + STI prevention benefits & limitations of condom use
- + STI testing, including taking swabs
- Patterns of STI risk, including risk groups and risk behaviour and their relevance to clinical practice +



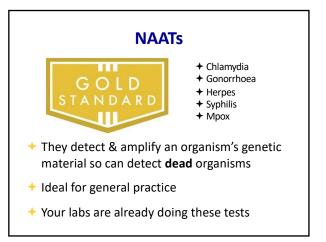
	Microbiology sample	Blood test	Clinical findings
Chlamydia	$\checkmark$		
Gonorrhoea	$\checkmark$		
Genital warts			$\checkmark$
Herpes simplex virus	$\checkmark$		$\checkmark$
Syphilis	$\checkmark$	$\checkmark$	$\checkmark$
HIV		$\checkmark$	?
Hepatitis B		$\checkmark$	
TV	$\checkmark$		
Pubic lice			$\checkmark$
Mycoplasma genitalium	$\checkmark$		

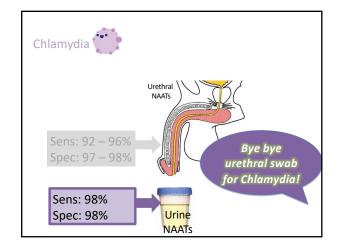


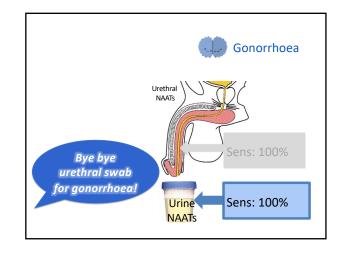










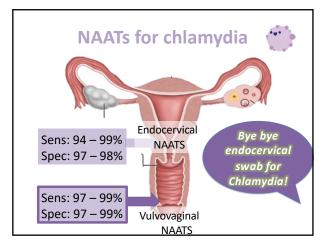


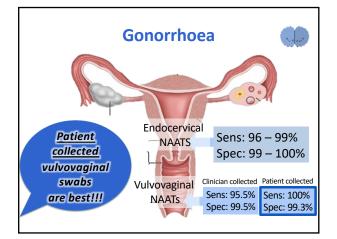


What are the key points to explain about doing a urine sample for NAATs?

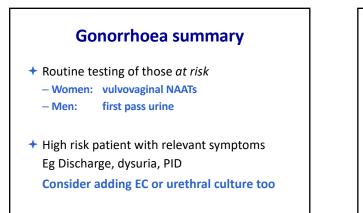
- 1. First pass urine
- 2. Over one hour since last PU

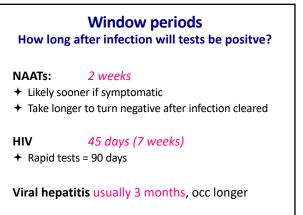




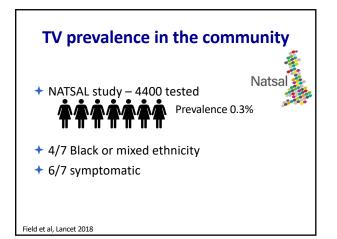


Gonorrhoea Culture vs NAATs				
	Pros	Cons		
Culture	<ul> <li>Gives antibiotic susceptibilities</li> <li>High specificity: positives are true</li> </ul>	<ul> <li>Low sensitivity: misses cases++</li> <li>Especially poor if transported</li> <li>Invasive</li> </ul>		
NAATs	<ul> <li>Much more sensitive for primary care, unlikely to miss cases</li> <li>Less invasive test</li> </ul>	<ul> <li>No antibiotic susceptibilities</li> <li>?False positives, risk increases as not-at-risk testing increases</li> </ul>		





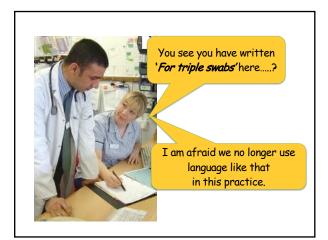




# Permission to not panic about TV Detection of trichomonas (TV) on HVS is poor TV is very uncommon in the primary care setting TV screening is not recommended in the UK TV is not a devastating infection to leave undiagnosed... Therefore only consider TV culture for women with a sexual health risk

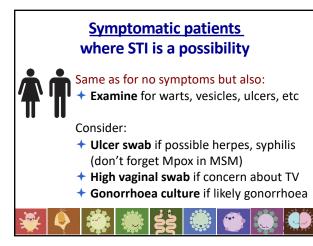
 who have recurrent or persistent vaginal discharge where commoner causes have been excluded

Use of the HVS becomes rare!



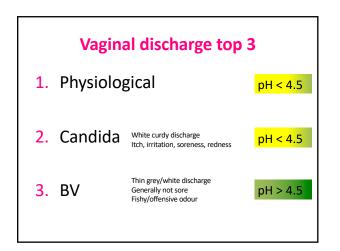
# Asymptomatic patients where STI is a possibility

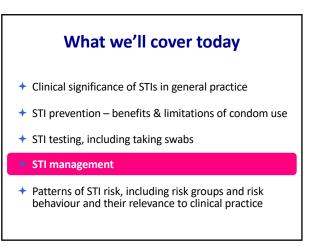
- Self-taken vulvo-vaginal swab
  HIV (and syphilis)
  Honatitic P.S. C if rick group
- Hepatitis B & C if risk group
- + First pass urine after no PU for ≥1 hr
  + HIV (and syphilis)
- Hepatitis B & C if risk group



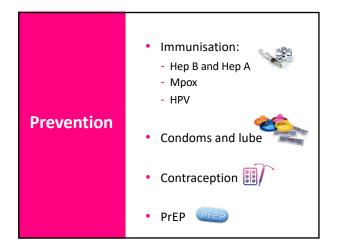


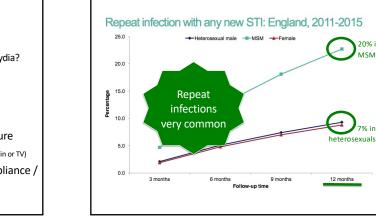






Treatment	www.bashh.org.uk Treatment protocols evolve! Always look up!	
	<ul><li>Chlamydia</li><li>PID</li><li>Herpes rescue packs</li></ul>	







20% in

MSM

7% in

#### **Other infections?**

Review tests needed: HIV? Chlamydia?

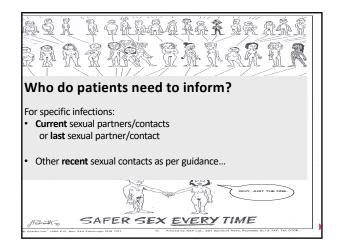
#### **Repeat tests?**

Other

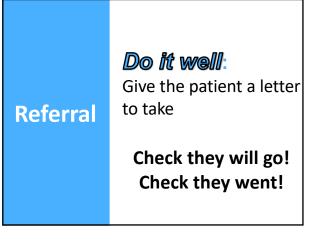
tests?

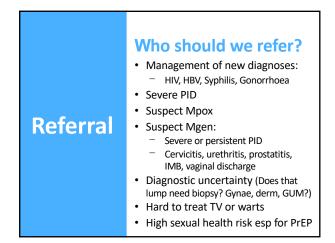
- a) After window period?
- b) Possible antibiotic failure (NB Chlamydia Rx with erythromycin or TV)
- c) For possible non-compliance / re-infection risk





Partner Notification Suggested 'look back' periods		
<ul><li> 2 weeks prior to onset Sx</li><li> 3 months</li></ul>		
<ul><li> 4 weeks prior to onset Sx</li><li> 6 months</li></ul>		
As per infection detected OR 6m		
4 weeks prior to Sx onset		
Current partner		
Refer to GUM		
None!		

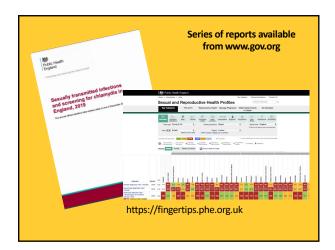


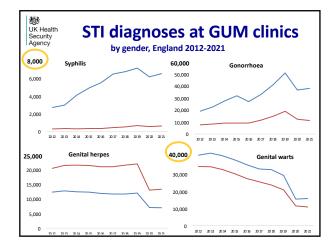


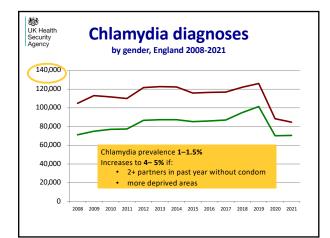
#### What we'll cover today

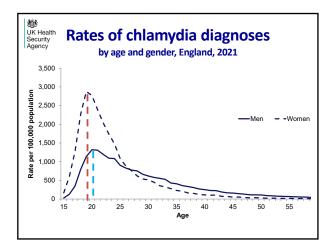
- + Clinical significance of STIs in general practice
- STI prevention benefits & limitations of condom use
- STI testing, including taking swabs
- + STI management
- Patterns of STI risk, including risk groups and risk behaviour and their relevance to clinical practice

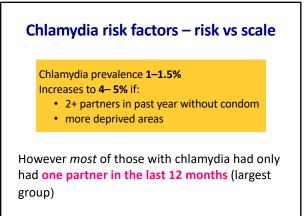












Sonnenberg et al, Lancet 2013





