

# Sexual Health Update



**ashm**

Developing a sustainable HIV, viral hepatitis, and sexual health workforce

Supported by:



**Queensland Government**  
**Queensland Health**

ASHM is a signatory to the ACFID Code of Conduct and is committed to the principles of the Ottawa Charter for health promotion and the Jakarta Declaration on health promotion.



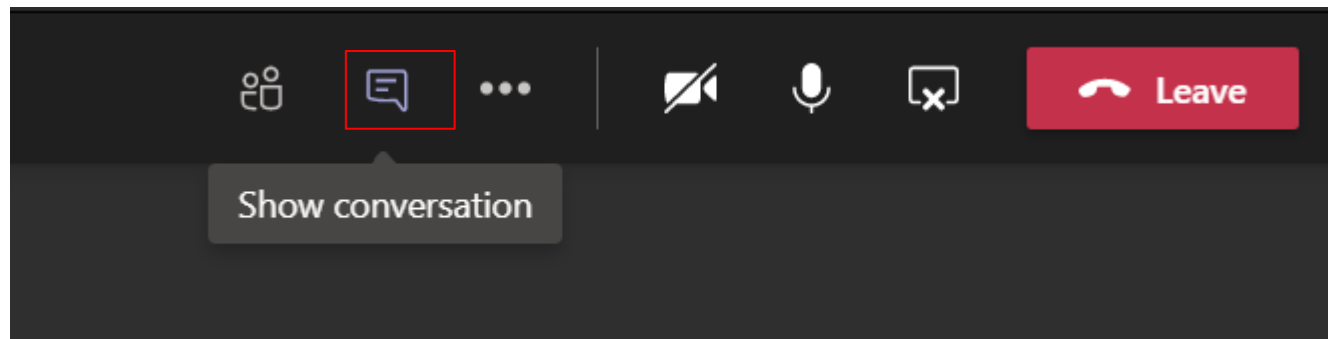
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# Acknowledgement of country

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# Microsoft Team Chat Function





# About ASHM



**ashm**

Australasian Society for HIV, Viral Hepatitis and Sexual Health Medicine

**ASHM supports development of the  
HIV, viral hepatitis and sexual health workforce  
through education and training, resources and policy.**



# Acknowledgements

**Original PPT written in 2013 by Dr Craig Rodgers**

GP s100 Prescriber, East Sydney Doctors

**Dr David Baker**

GP s100 Prescriber, East Sydney Doctors

**Dr Nicholas Medland**

Sexual Health Physician, Melbourne Sexual Health Centre

**Cherie Bennett**

Medical Educator, ASHM

**VHHITAL**  
Melbourne





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*Presented by:*

**Dr Clare Heal**

Professor in the Department of General Practice and Rural  
Medicine, James Cook University School of Medicine

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*This webinar is supported by*





# Mackay Sexual Health Service

## 12-14 Nelson Street Mackay

- Screening, testing, treatment for STIs
- HIV rapid testing (results in 20 minutes)
- HIV post-exposure prophylaxis (PEP)
- HIV pre-exposure prophylaxis (PrEP)
- Management HIV ,Hepatitis B and C
- Transgender care
- Sexual dysfunction
- Genital skin conditions
- Free condoms and lube
- Training, education,health promotion
- Termination of pregnancy information







Contact:  
P (07) 4968 3919

Opening Times:  
Monday to Friday  
8.00am to 4.30pm



# Learning Outcomes

-  **Demonstrate confidence in discussing sexual health**
-  **Explain the importance of screening/testing for STIs**
-  **Describe contact tracing and its key role in managing STIs**
-  **Understand diagnosis and management of gonorrhea and syphilis**
- GP topical issues: PREP, MTOP, Mycoplasma, Transgender**



**What is your role and where are  
you joining from tonight?**

**Tell us via the chat box**



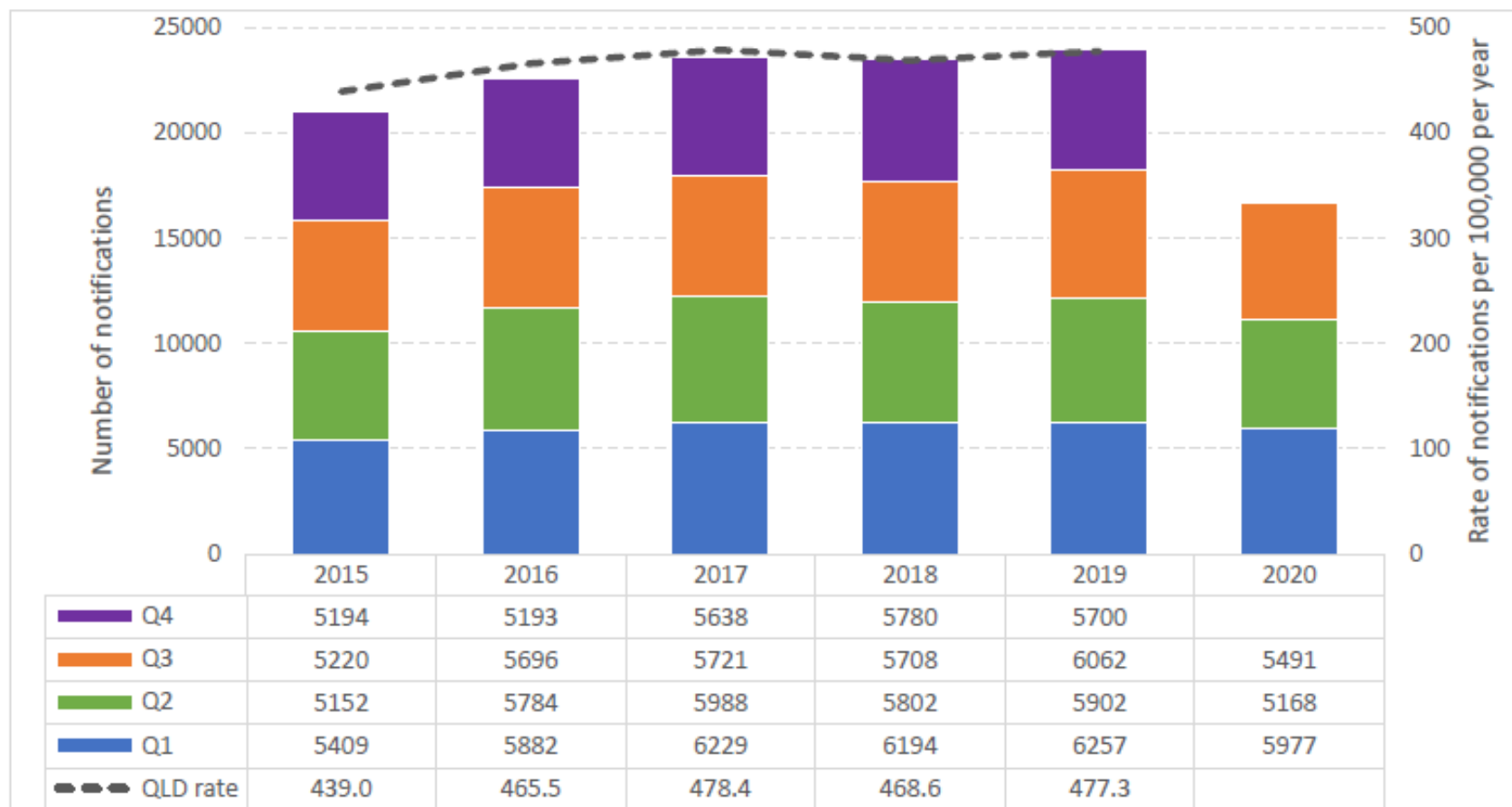
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# Epidemiology (Local)

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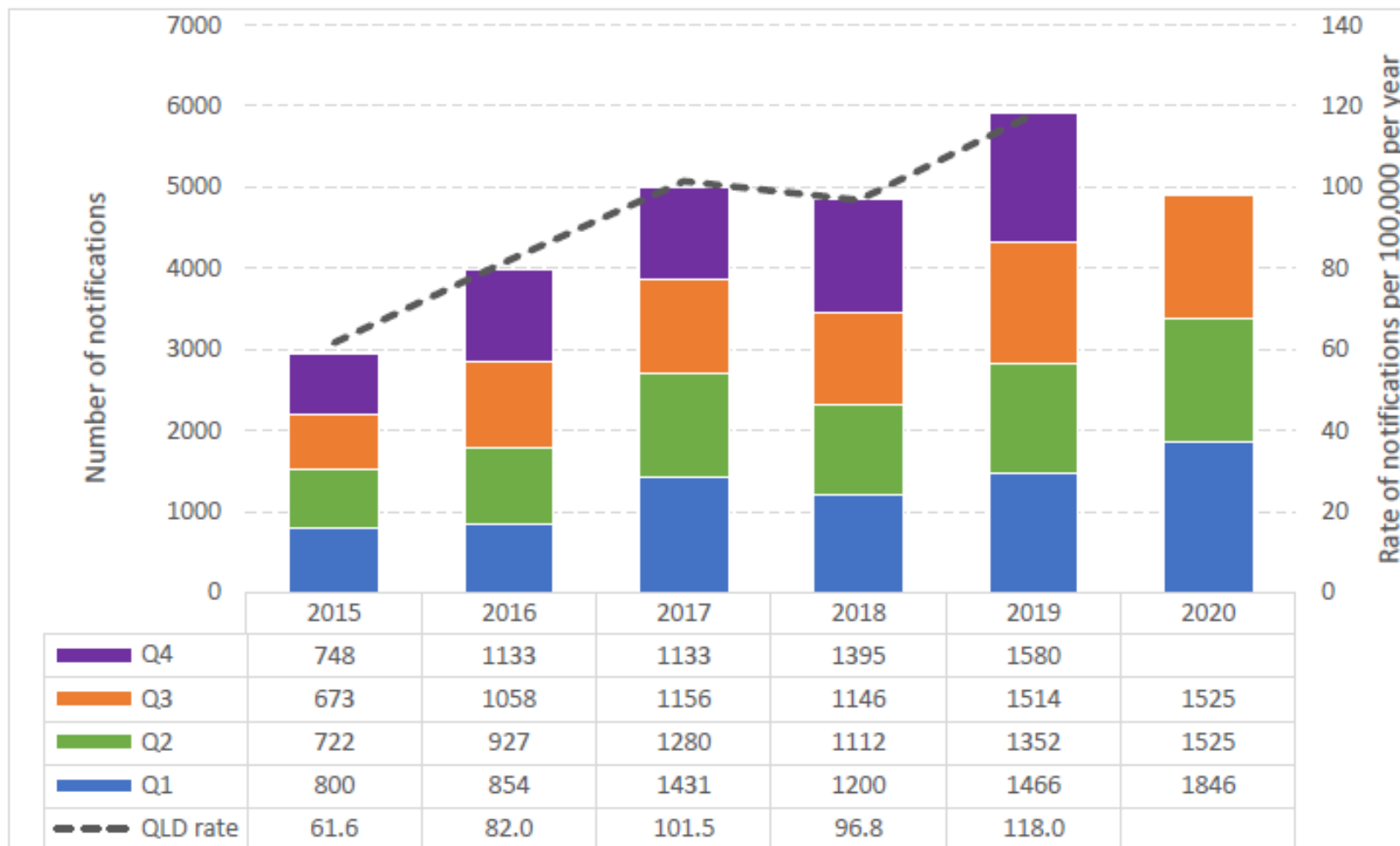
# Chlamydia notification counts in Queensland, by quarter, 1 January 2015–30 September 2020, and annual notification rates (per 100,000 population per year).



Resource: Notifications of BBVSTIs in Queensland: 1 Jan–30 Sep 2020



# Gonorrhoea notification counts in Queensland, by quarter, 1 January 2015–30 September 2020, and annual notification rates (per 100,000 population per year).

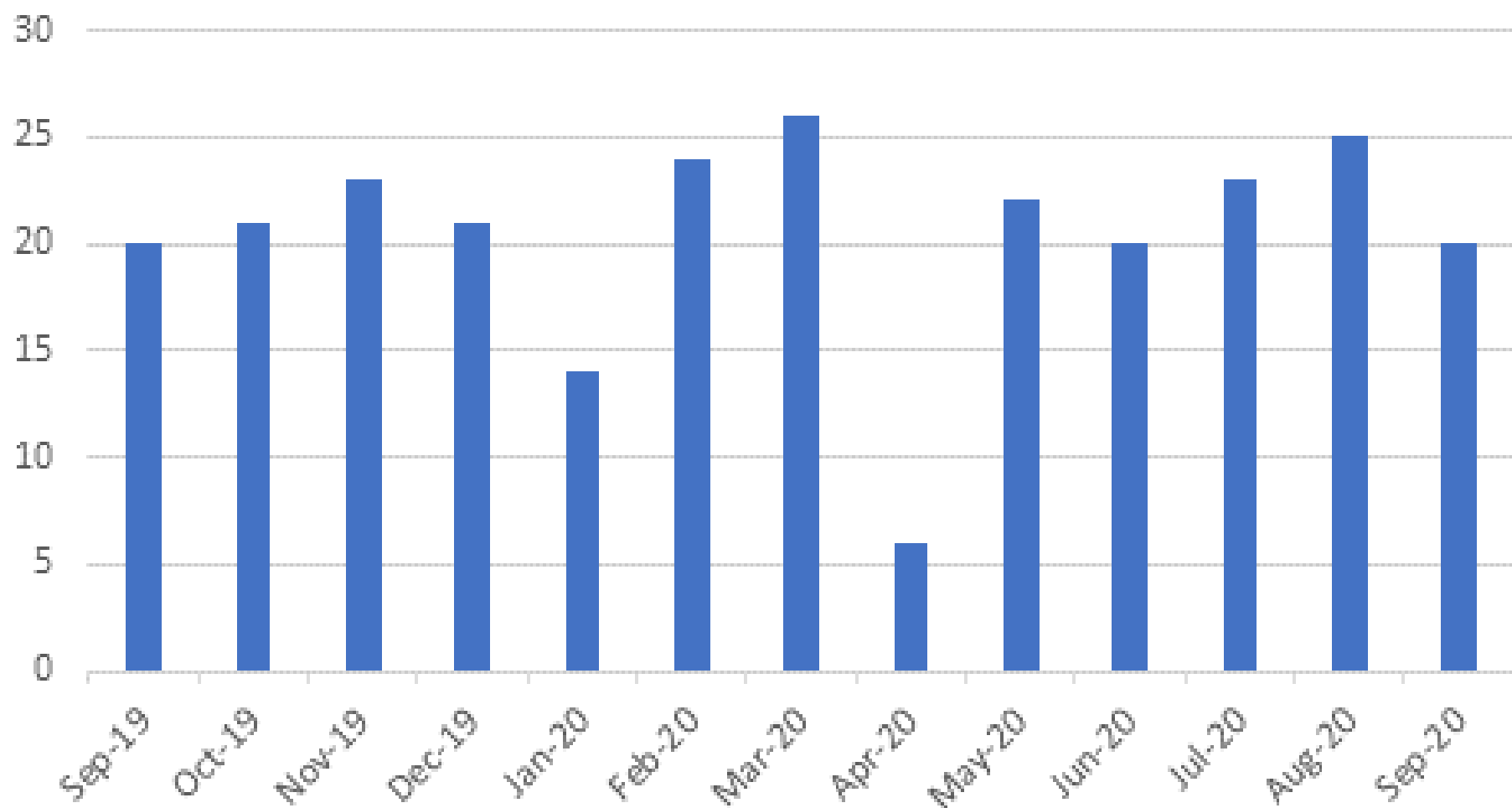


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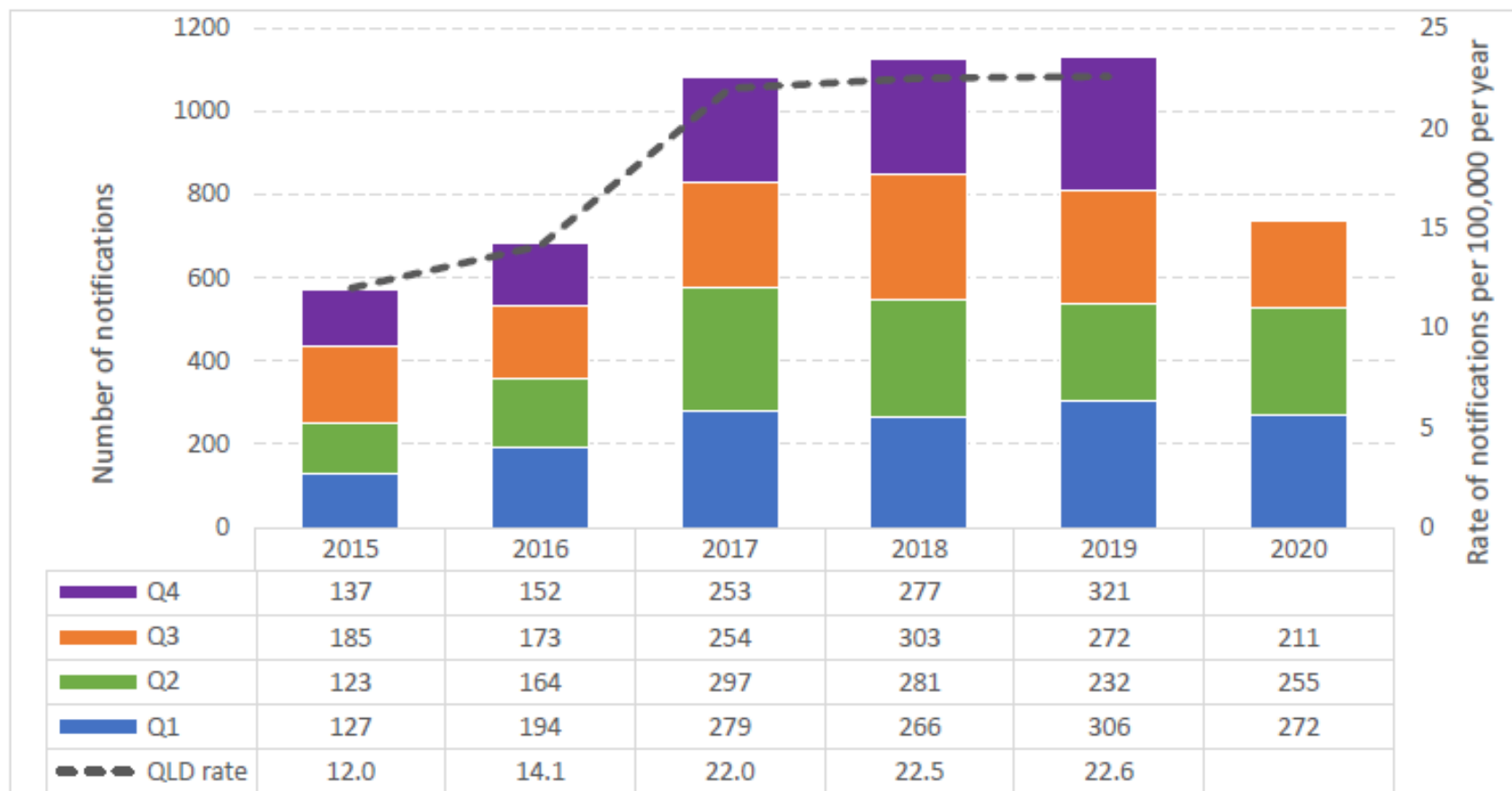


## Mackay NG Notifications Sept 2020





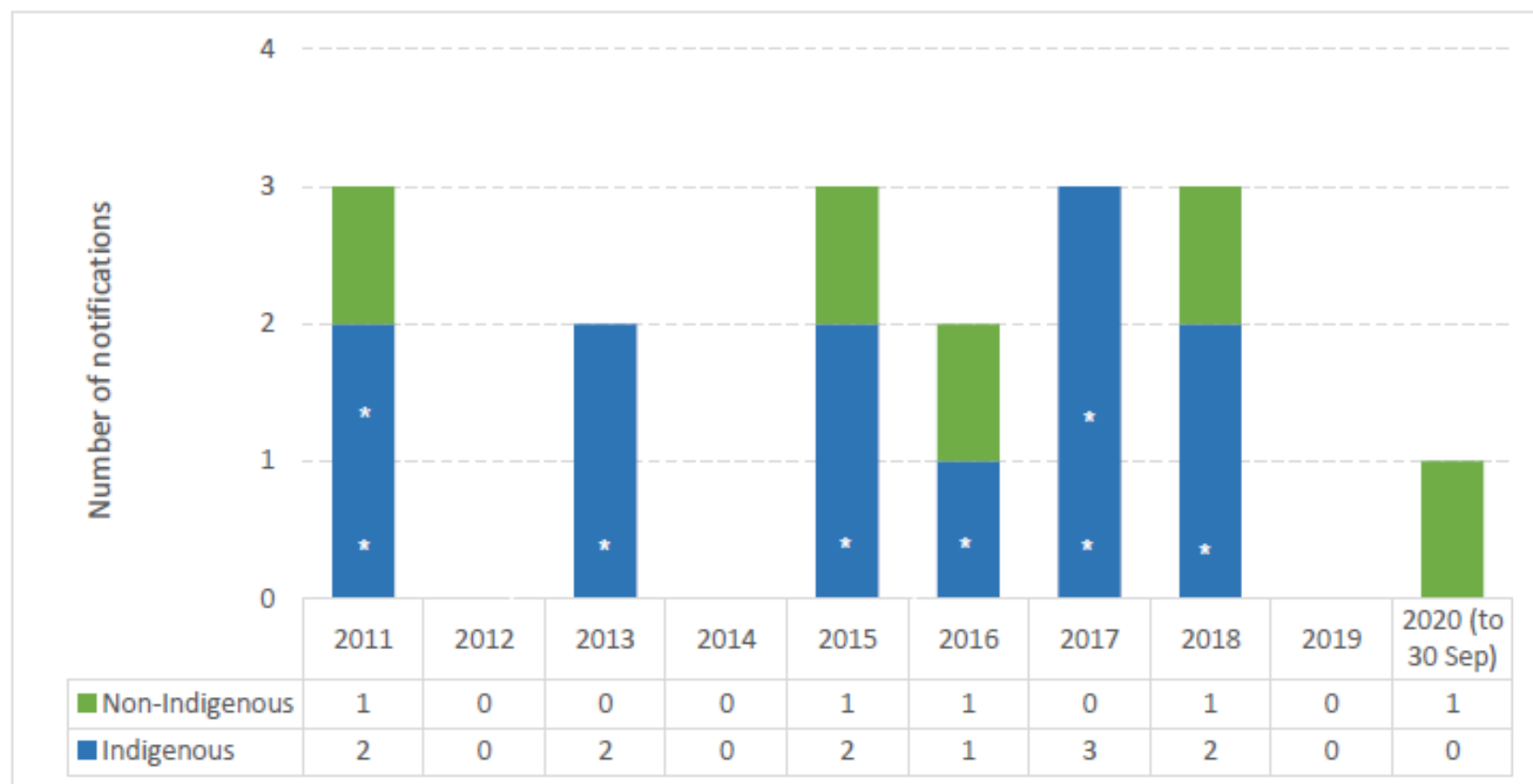
# Infectious syphilis notification counts in Queensland, by quarter, 1 January 2015–30 September 2020, and annual notification rates (per 100,000 population per year).



Resource: Notifications of BBVSTIs in Queensland: 1 Jan–30 Sep 2020



# Congenital syphilis notification counts in Queensland, by Indigenous status, 1 January 2011–30 September 2020



Resource: Notifications of BBVSTIs in Queensland: 1 Jan–30 Sep 2020



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# Broaching the subject

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**When would you start a  
conversation about sexual health  
testing?**

**Tell us via the chat box**



# Starting a conversation about sexual health testing



Bring the subject up opportunistically



Use a “hook”



As part of a reproductive health consultation



Because the patient requests a “checkup” for STIs



# The basics – sexual history

**WHEN did you have sex?**

**When did you most recently have sex?**

**WHO are you having sex with**

**Are you having sex / sleeping with men, women or both?**

**WHAT types of sex are you having sex?**

**What type of sex are you having - vaginal / anal / oral sex?**

**Why are these questions so important?**



**Questions?**



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# Screening & Testing

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# Who to screen for STIs?

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**Who/what are high risk groups  
for STI screening?**

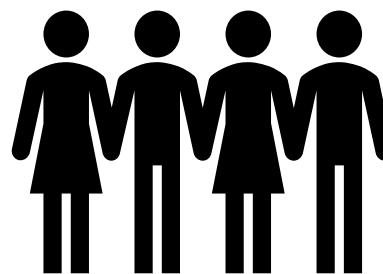
**Tell us via the chat box**



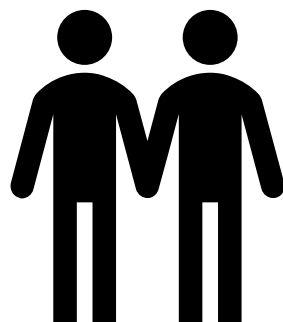
# Priority populations for STI screening



Aboriginal and Torres  
Strait Islander peoples



Young people  
15-29 years of age



Men who have sex with  
men



Sex workers



# Who else??

- ✓ **Patient requests testing (explore concerns)**
- ✓ **Sexual history indicates need for testing**
- ✓ **Symptoms & signs of infection or immunosuppression**
- ✓ **Exclude co-infection in patients hep B or C or TB**
- ✓ **Diagnosed with another STI**



# The Australasian STI Management Guidelines

## *australian* **STI MANAGEMENT** **GUIDELINES** FOR USE IN PRIMARY CARE



Standard  
asymptomatic check-up

STIs

Syndromes

Populations  
& situations

Resources

### How to use these Guidelines?

All STIs can cause disease without producing symptoms. Please refer to Populations & Situations for asymptomatic screening recommendations, Syndromes for guidance about managing specific clinical scenarios and to STIs for specific management of a diagnosed infection.

### Latest Updates

Feb 2020: Updated MSM testing guidelines

Dec 2018: Pharyngeal gonorrhoea

2017/18: Annual Critical Review Complete - what's changed?

Everything you need to know: <http://www.sti.guidelines.org.au/>

ASHM: Developing a Sustainable HIV, Viral Hepatitis and Sexual Health Workforce



# STI/BBV Testing tool for asymptomatic people

## STI/BBV TESTING TOOL FOR ASYMPTOMATIC PEOPLE

### STEP 1

Offering routine sexually transmissible infection/blood borne virus (STI/BBV) testing helps people feel more comfortable and willing to discuss their sexual health.

Examples of how routine STI/BBV testing can be offered:

#### Young people (15–29 years)

"STIs are very common among young people and they may not even know they have an STI. We encourage all sexually active young people to get tested regularly for STIs. Would you like a sexual health check up today?"

#### Reproductive health consultations

"While you're here for contraception advice/cervical screening it's a good time to talk about other areas of sexual health, like having a sexual health check up..."

#### Travel consultations

"Some people take risks when they travel overseas and that includes having unprotected sex. If you like, we could do a sexual health check up before you go and when you return."

#### Hepatitis B vaccination

"Have you had a hepatitis B vaccination? It protects against an infection that can be sexually transmitted. Do you want to talk about this today?"

### Sexual history

Ask these questions to identify potential risks and which tests to do:

*"I'd like to ask you some questions about your sexual activity so we can decide what tests to do."*

- When did you last have sex?
- Do you have sex with men, women, or both?
- When you have sex, is it vaginal, oral and/or anal sex?
- When did you last change your sexual partner?
- Do you always use condoms?
- Have you ever injected drugs?
- Do you have any symptoms?

### STI/BBV Testing Tool for Asymptomatic People available at:

[www.health.qld.gov.au/clinical-practice/sex-health](http://www.health.qld.gov.au/clinical-practice/sex-health)

An abridged version of this tool is also available here.

Developed by NSW STI Programs Unit, NSW Australia, and reproduced with permission by the Sunshine Coast Hospital and Health Service, ASHM and Communicable Diseases Branch 2018. [www.stipu.nsw.gov.au](http://www.stipu.nsw.gov.au)

STI/BBV Testing Tool for Asymptomatic People:

[https://stoptherise.initiatives.qld.gov.au/sites/default/files/wysiwyg-files/QH1214\\_STI-BBV\\_TestingTool\\_Screen.pdf](https://stoptherise.initiatives.qld.gov.au/sites/default/files/wysiwyg-files/QH1214_STI-BBV_TestingTool_Screen.pdf)



# STI/BBV Testing tool for asymptomatic people

## STEP 2 STI/BBV testing – who to test and how often

Recommendations from the Australian STI Management Guidelines<sup>1</sup> (unless otherwise stated)

WHO is the patient?	WHAT Infection?	HOW OFTEN Should you test?
<b>Young people</b> (15–29 years) 	<b>CHLAMYDIA</b>	Annually
	<b>HEPATITIS B</b>	Once. First confirm HBV immune status (history of prior vaccination or serology) and vaccinate if not immune
	<b>SYPHILIS</b> <b>HIV</b>	Consider according to sexual history and local STI and HIV prevalence
<b>Asymptomatic people requesting STI/HIV testing</b> 	<b>CHLAMYDIA</b>	Annually or more often according to sexual history
	<b>HEPATITIS B</b>	Confirm HBV immune status (history of prior vaccination or serology) and vaccinate if not immune
	<b>HIV</b>	Offer to everyone requesting testing for HIV*
<b>Aboriginal and/or Torres Strait Islander people</b> 	<b>CHLAMYDIA</b> <b>GONORRHOEA</b> <b>SYPHILIS</b>	Annually or more often according to sexual history or local STI prevalence. Regular testing for chlamydia, syphilis and HIV is recommended, as per the Standard Asymptomatic Check up guideline.
	<b>HEPATITIS C</b> <b>HIV</b> ** <b>TRICHOMONIASIS</b> **	A sexual history can be difficult to obtain in certain settings so consider offering BBV/STI testing liberally to this population. * Especially in the presence of other STIs ** For those from rural/regional/remote areas
	<b>HEPATITIS B</b>	Confirm HBV immune status (history of prior vaccination or serology) and vaccinate if not immune <sup>3</sup>
	<b>CHLAMYDIA</b> <b>GONORRHOEA</b> <b>SYPHILIS</b> <b>HIV</b>	At least annually, up to 4 times per year for MSM who fall into one or more of the following categories: • Have any unprotected anal sex • Have a 10 sexual partners in the last 6 months • Participate in group sex • Use recreational drugs during sex • Are HIV positive
	<b>HEPATITIS A</b> <b>HEPATITIS B</b> <b>HEPATITIS C</b>	Serological testing is not recommended before routine administration of hepatitis vaccine. Vaccinate as per recommendations in the Australian Immunisation Handbook. Confirm HBV immune status (history of prior vaccination or serology) and vaccinate if not immune <sup>3</sup> If HIV positive or have history of injecting drug use, if antibody positive, test for hepatitis C NAAT to determine if patient has chronic hepatitis C.
<b>Sex workers</b> (see 'MSM' for male sex workers) 	<b>CHLAMYDIA</b> <b>GONORRHOEA</b> <b>SYPHILIS</b> <b>HIV</b>	Testing should be based on local STI prevalence, symptoms, diagnosed or suspected STI in contact and clinical findings. Frequency based on sexual history (private and professional life), if condom use is <100% (including history of condom breakages/slippage) or at patient request.
	<b>HEPATITIS A</b> <b>HEPATITIS B</b> <b>HEPATITIS C</b>	Serological testing is not recommended before routine administration of hepatitis vaccine. Vaccinate as per recommendations in the Australian Immunisation Handbook. Confirm HBV immune status (history of prior vaccination or serology) and vaccinate if not immune <sup>3</sup> If antibody positive, test for hepatitis C NAAT to determine if patient has chronic hepatitis C.
	<b>CHLAMYDIA</b> <b>GONORRHOEA</b> <b>SYPHILIS</b>	Annually or more often according to sexual history.
	<b>HEPATITIS A</b> <b>HEPATITIS B</b> <b>HIV</b> <b>HEPATITIS C</b>	Serological testing is not recommended before routine administration of hepatitis vaccine. Vaccinate as per recommendations in the Australian Immunisation Handbook. Confirm HBV immune status (history of prior vaccination or serology) and vaccinate if not immune <sup>3</sup> According to sexual history and annually with an ongoing history of injecting drugs. If antibody positive, test for hepatitis C NAAT to determine if patient has chronic hepatitis C.
	<b>CHLAMYDIA</b> <b>HEPATITIS B</b> <b>HIV</b> <b>SYPHILIS</b>	Consider in pregnant women aged 15–29 years and those at higher risk All pregnant women should be screened using the HBsAg test. Vaccinate susceptible women who are at increased risk Every pregnancy All women should have a syphilis test in the first 12 weeks of pregnancy or at the first antenatal visit. Additional testing is recommended up to five times during pregnancy for certain at risk populations and in areas affected by a syphilis outbreak. Please refer to the Queensland Syphilis in Pregnancy Guideline <sup>4</sup> and local area guidelines for current recommendations.
<b>Pregnant women</b> (see RACGP <sup>5</sup> and Australian Government Department of Health <sup>6</sup> ) 	<b>CHLAMYDIA</b> <b>HEPATITIS B</b> <b>HIV</b> <b>SYPHILIS</b>	Consider in pregnant women aged 15–29 years and those at higher risk All pregnant women should be screened using the HBsAg test. Vaccinate susceptible women who are at increased risk Every pregnancy All women should have a syphilis test in the first 12 weeks of pregnancy or at the first antenatal visit. Additional testing is recommended up to five times during pregnancy for certain at risk populations and in areas affected by a syphilis outbreak. Please refer to the Queensland Syphilis in Pregnancy Guideline <sup>4</sup> and local area guidelines for current recommendations.

## Step 2 (A):

“STI/BBV testing – who to test and how often”

STI/BBV Testing Tool for Asymptomatic People:

[https://stoptherise.initiatives.qld.gov.au/sites/default/files/wysiwyg-files/QH1214\\_STI-BBV\\_TestingTool\\_Screen.pdf](https://stoptherise.initiatives.qld.gov.au/sites/default/files/wysiwyg-files/QH1214_STI-BBV_TestingTool_Screen.pdf)

a Sustainable HIV, Viral Hepatitis and Sexual Health Workforce



# STI/BBV Testing tool for asymptomatic people

## STEP 2B How to test<sup>1</sup> – infection, specimen site and test type

INFECTION	SPECIMEN COLLECTION SITE	TEST
♀ FEMALES		
CHLAMYDIA	Vaginal swab* (preferred) OR Endocervical swab** (preferred) First catch urine* (at any time of the day)	Chlamydia NAAT (PCR)
GONORRHOEA	Vaginal swab* (preferred) OR Endocervical swab** (preferred) First catch urine* (at any time of the day) Throat swab* (if patient has oral sex) Rectal swab* (if patient has anal sex)	Gonorrhoea NAAT (PCR) + culture if discharge present
TRICHOMONIASIS	Vaginal swab* OR First catch urine* (at any time of the day)	Trichomoniasis NAAT (PCR)
♂ MALES		
CHLAMYDIA	First catch urine* (at any time of the day) Plus throat swab* (for MSM) Plus rectal swab* (for MSM)	Chlamydia NAAT (PCR)
GONORRHOEA	First catch urine* (at any time of the day) Plus throat swab* (for MSM) Plus rectal swab* (for MSM)	Gonorrhoea NAAT (PCR) + culture if discharge present
TRICHOMONIASIS	First catch urine* (at any time of the day)	Trichomoniasis NAAT (PCR)
*consider self-collected **health provider-collected		
♀♂ FEMALES AND MALES		
SYPHILIS	Blood	Syphilis serology
HIV	Blood	HIV Ab/Ag
HEPATITIS A	Blood	Total HAV antibodies or anti HAV IgG if indicated <sup>9</sup>
HEPATITIS B	Blood	HBsAg anti-HBc antibody anti-HBs antibody
HEPATITIS C	Blood	HCV Ab

## Step 2 (B):

“How to test –  
infection, specimen  
site and test type”

STI/BBV Testing Tool for Asymptomatic  
People:

[https://stoptherise.initiatives.qld.gov.au/sites/default/files/wysiwyg-files/QH1214\\_STI-BBV\\_TestingTool\\_Screen.pdf](https://stoptherise.initiatives.qld.gov.au/sites/default/files/wysiwyg-files/QH1214_STI-BBV_TestingTool_Screen.pdf)



# Other tools



## AUSTRALIAN SEXUALLY TRANSMITTED INFECTION & HIV TESTING GUIDELINES 2019

*For asymptomatic men who have sex with men*

After appropriate pre-test discussion, all of the STI tests listed should be offered:

**3-monthly testing for sexually transmitted infections in all men who have had any type of sex with another man in the previous 3 months\***

### Blood tests:

- **Syphilis serology**
- **HIV antibody/antigen screening test:**  
If not known to be HIV-positive
- **Hepatitis A antibody:**  
Test if not vaccinated. Vaccinate if antibody negative
- **Hepatitis B core antibody, surface antigen:**  
Test if not vaccinated. Vaccinate if no history or documentation of full vaccination course
- **Hepatitis C:**  
Test once a year in people living with HIV, on PrEP or with history of injecting drug use

### NAAT/PCR\* tests for gonorrhoea and chlamydia:

- **Oropharyngeal swab**
- **First pass urine** defined as the first part of the urine stream, not the first urine of the day
- **Anorectal swab** (self-collected, see overleaf)

\* NAAT- nucleic acid amplification test e.g. Transcription-Mediated Amplification (TMA), Strand Displacement Amplification (SDA), Polymerase Chain Reaction (PCR)

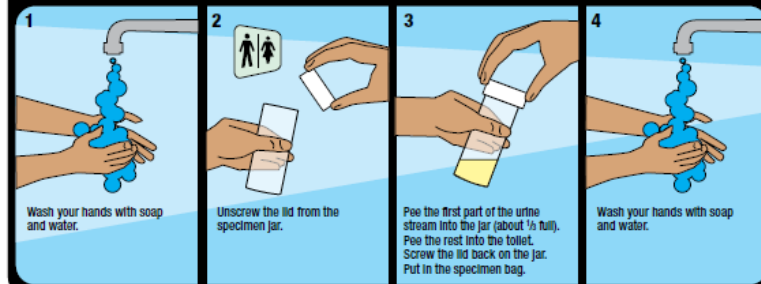
**\* Men who have sex with men (MSM) who are not sexually active or in monogamous relationships may be tested less frequently, but at least annually.**

Screening for *Neisseria gonorrhoeae* (NG) and *Chlamydia trachomatis* (CT) should be by NAAT/PCR. Confirmation of positive NG result by culture is not necessary and should not delay treatment, but to assist surveillance for antimicrobial resistance, gonorrhoea culture should be collected prior to administering antibiotics.

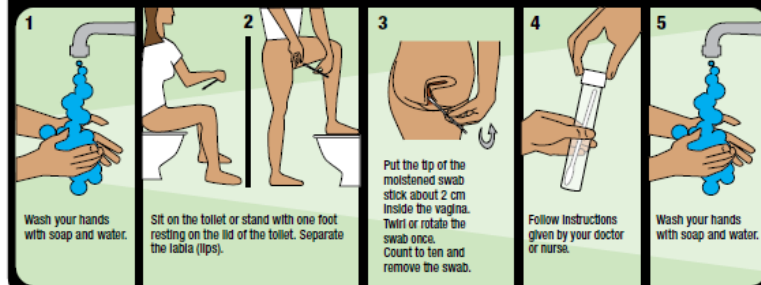
All people living with HIV should be tested for STIs three-monthly, including a blood test for syphilis (even if they are only having six-monthly viral load monitoring) unless they are not sexually active or are at low risk. All HIV-positive MSM should have at least annual HCV testing.

## Specimens for Sexually Transmitted Infections

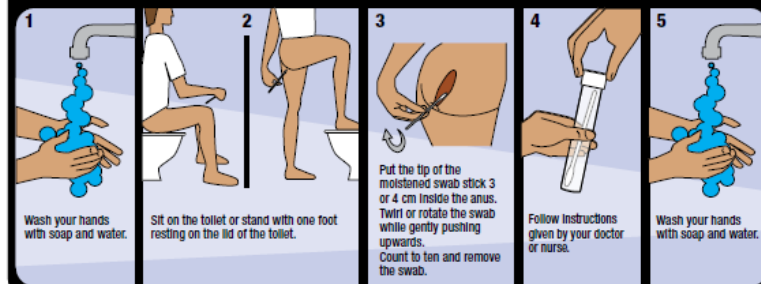
### Urine Sample



### Vaginal Swab



### Anal Swab





# Asymptomatic screening - what tests?

**Blood: HIV, Syphilis serology, Hepatitis B serology**

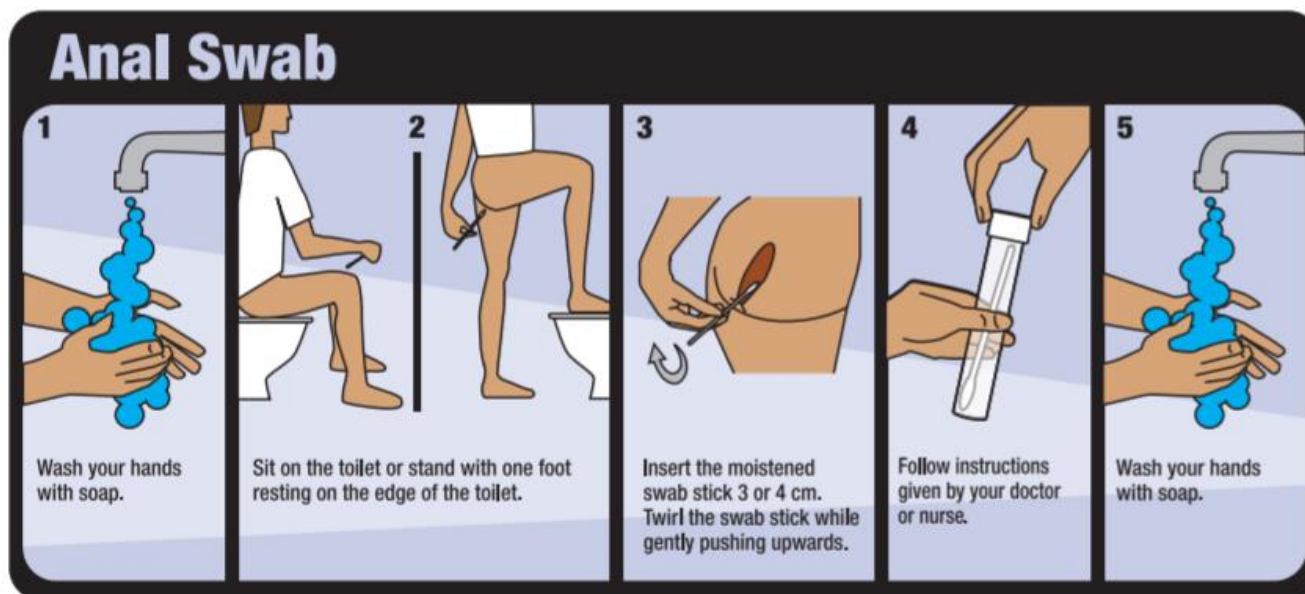
## **Gonorrhoea and chlamydia**

- ▶ Women: vaginal\* or cervical swab, first pass urine\*
- ▶ Heterosexual men: first pass urine\*
- ▶ Men who have sex with men (MSM): first pass urine\*, anal swab\*, throat swab
  - \*can be self collected



# Self collected swabs

- ▶ Pharyngeal swab taken in clinic room
- ▶ First pass urine, vaginal and anal swab self collected in bathroom



Developed by the NSW STI Programs Unit – NSW Health and reproduced by the Sunshine Coast Hospital and Health Service, ASHM, and the Communicable Diseases Branch with permission, 2018

[https://stoptherise.initiatives.qld.gov.au/sites/default/files/wysiwyg-files/QH1214\\_ChlamydiaGonoTesting\\_Screen.pdf](https://stoptherise.initiatives.qld.gov.au/sites/default/files/wysiwyg-files/QH1214_ChlamydiaGonoTesting_Screen.pdf)



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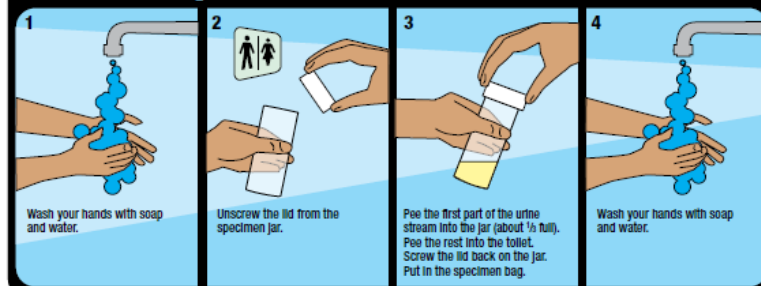
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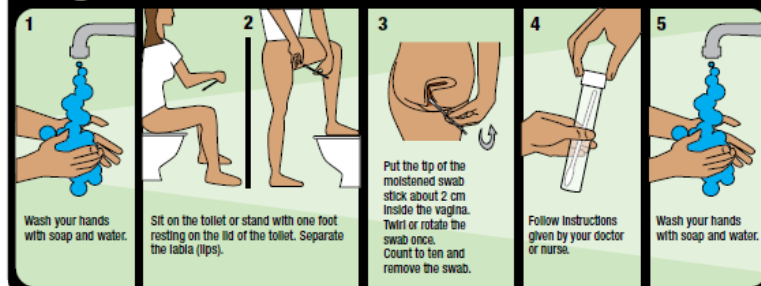
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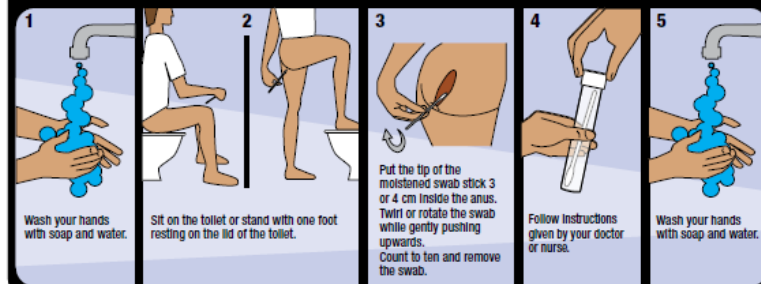
### Urine Sample



### Vaginal Swab



### Anal Swab





# Questions



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# Clinical presentation

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**Will a person with an STI most likely have symptoms?**

**(Yes or No)**

**Tell us via the chat box**



# *australian* STI MANAGEMENT GUIDELINES FOR USE IN PRIMARY CARE



Standard  
asymptomatic check-up

STIs

Syndromes

Populations  
& situations

Resources

## How to use these Guidelines?

All STIs can cause disease without producing symptoms. Please refer to Populations & Situations for asymptomatic screening recommendations, Syndromes for guidance about managing specific clinical scenarios and to STIs for specific management of a diagnosed infection.

## Latest Update

2017/18: Annual Critical Review  
Complete - what's changed?

Everything you need to know: <http://www.sti.guidelines.org.au/>



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# Gonorrhoea

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# Gonorrhoea quiz



**Gonorrhoea in women is  
commonly asymptomatic?**

**A. True**

**B. False**



**Urethral gonorrhoea in men is commonly symptomatic?**

**A. True**

**B. False**



**The best way to test for genital gonorrhoea in general practice is?**

- A. A biopsy of the site**
- B. Serology for men and NAAT for women**
- C. Urine NAAT for men and women**
- D. Urine NAAT for men and a cervical or vaginal NAAT for women**



# Gonorrhoea: Clinical presentation



## Female genitals

- **Cervical infection**
- **Vaginal discharge**
- **Pelvic pain or abnormal bleeding**
- **Untreated may lead to PID**
- **Asymptomatic**

## Male genitals

- **Urethral discharge**
- **Urethral irritation**
- **Dysuria**
- **Some men asymptomatic**
- **Untreated may lead to epididymitis and chronic pain**
- **Throat asymptomatic**
- **Rectal may be:**
  - **asymptomatic,**
  - **discomfort**
  - **discharge**



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Content warning  
Graphic images about to  
start!

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# Gonorrhoea: Clinical presentation

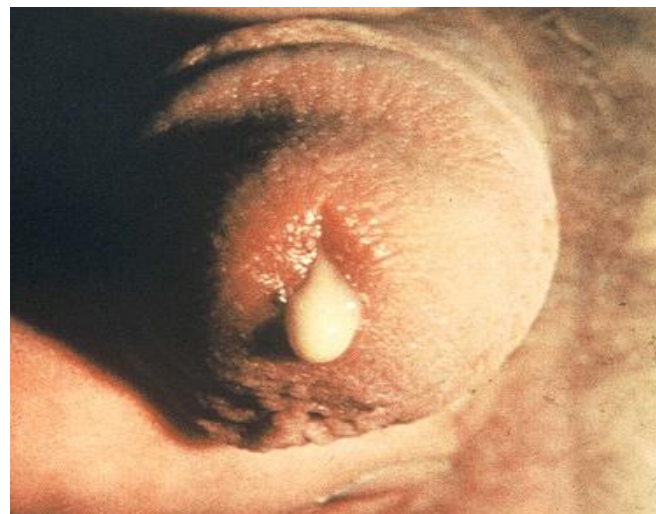


Image source MSHC STI Atlas <http://stiatlas.org/>



# Gonorrhoea: Testing

## Screening

**NAAT (PCR) sites as per sexual history  
swabs clinician or self collected**

## Culture sample

## Why?

## Rising rates of resistance

- ▶ Second line treatment
- ▶ Remains symptomatic despite treatment

## When?

- ▶ At time of specimen collection
- ▶ prior to treatment

## Which sites?

- \*Rectum \*Urethra
- \*Cervix \*Pharynx
- \*conjunctiva

(STI Management Guidelines, 2019)



# Gonorrhoea: Treatment

**Check and follow guidelines as they can change!**

Principal Treatment Options		
Situation	Recommended	Alternative
Uncomplicated genital & ano-rectal infection	Ceftriaxone 500mg IMI, stat in 2mL 1% lignocaine PLUS Azithromycin 1g PO, stat	Alternative treatments are not recommended because of high levels of resistance, EXCEPT for some remote Australian locations and severe allergic reactions. <a href="#">Seek local specialist advice.</a>
Uncomplicated pharyngeal infection	Ceftriaxone 500mg IMI, stat in 2mL 1% lignocaine  PLUS  Azithromycin 2g PO, stat*	
Adult gonococcal conjunctivitis	Ceftriaxone 500mg IMI, stat in 2mL 1% lignocaine PLUS Azithromycin 1g PO, stat	

(STI Management Guidelines, 2019)



# Gonorrhoea: Follow up

- ✓ **No sex for 7 days**
- ✓ **Longer abstinence if drug resistance suspected**
- ✓ **Proof of cure at 2-4 weeks and retest at 3 months (for pharyngeal, rectal or cervical infection)**
- ✓ **Partner notification – 2 months**
- ✓ **Full STI screening – HIV and syphilis**

(STI Management Guidelines, 2019)



# **Gonorrhoea: take home message**

**Gonorrhoea as well as chlamydia**



**Questions?**



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# Syphilis

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# Syphilis: an introduction

## **Syphilis:**

- **Can be confusing/complicated**
- **Imitates lots of other conditions**
- **Is categorised into stages**
- **The stage dictates what treatment the patient needs**

(STI Management Guidelines, 2019)





# Syphilis quiz



# **Syphilis symptoms include?**

- A. Rash**
- B. Swollen lymph nodes**
- C. Painless sore (chancre)**
- D. All of the above**



# **How is syphilis transmitted?**

- A. Crossing the placenta in a pregnant woman to the foetus**
- B. Skin to skin contact with a syphilis rash**
- C. Skin to skin contact with a syphilis sore (chancre)**
- D. All of the above**



**The screening test for syphilis is?**

**A. Urine**

**B. Blood**

**C. Vaginal / Anal / throat swab**

**D. All of the above**



## Case 3 Mr SF

**17yrs aboriginal youth**

**Requests 'check up'**



# On examination





# **What investigations would you perform?**



# What investigations would you perform?

**PCR lesion**

**HIV**

**HepBsag, hepBsab, hepBcab**

**TPPA**

**RPR**

**FCU chlamydia, gonorrhoea,  
trichomonas**

**(Hep C, Hep A)**



# Results

**RPR 1 in 32**

**TPPA reactive**

**Gonorrhoea positive**

**Chlamydia negative**

**HIV negative**

**Hep B sAg neg, sb<10**





# How would you treat this patient?

Syphilis register :  
1800 032 238

**Benzathine penicillin 0.9g each buttock  
(doctors bag)**

**Ceftriaxone im 500mg**

**Azithromycin 1g stat**

**Contact tracing**

**Hep B immunisation**



What clinical stage of syphilis are these symptoms? Answer in the chat box



Image source MSHC STI Atlas <http://stiatlas.org/>



# What clinical stage of syphilis are these symptoms? Answer in the chat box



Image source MSHC STI Atlas <http://stiatlas.org/>



# Secondary syphilis



Image source MSHC STI Atlas <http://stiatlas.org/>



# Secondary syphilis



Image source MSHC STI Atlas <http://stiatlas.org/>



# Nodular rash and patchy alopecia



Image source MSHC STI Atlas <http://stiatlas.org/>



# Secondary Syphilis



- Incubation 6/52- 6 months
- Primary and secondary same time
- Non specific symptoms: fever, malaise, headache, sore throat, arthralgia
- Rash 75% patients; extremely variable



# Congenital syphilis

## IS PREVENTABLE

### **Syphilis serology is part of antenatal screening**

- Repeat in early 3rd trimester if “high risk”
- In outbreak areas: test at first antenatal visit, 28, 36 weeks, at delivery and at 6 weeks

### **Urgently refer and treat**

**Otherwise COMPLICATIONS can include stillbirth, foetal loss, preterm birth, neonatal death, low birthweight. neurological and other disabilities.**



### **Risk assess all women**

#### **Universal risk**

- All pregnant women

#### **Increased risk**

- Woman or her partner identify as Aboriginal and/or Torres Strait Islander
- Adolescent pregnancy
- STI in current pregnancy or last 12 months
- Ongoing sexual links in high prevalence countries (woman or partner)

#### **High risk**

- Sexual contact with infectious syphilis case
- Woman or partner identify as Aboriginal and/or Torres Strait Islander AND reside in an outbreak declared area
- Substance use – particularly methamphetamine ('ice')
- Woman's partner is MSM
- Late, limited or no antenatal care
- Engages in high risk sexual activity



### **Antenatal screening**

#### **All pregnant women**

- Serology at first antenatal visit (preferably < 10 weeks gestation)
- Dry swab (PCR) if lesions/chancres present
- Repeat if change in risk status

#### **If increased risk**

- Repeat serology at 26–28 weeks gestation

#### **If high risk**

- Repeat serology at:
  - Around 20 weeks gestation (opportunistic between 16–24 weeks)
  - 26–28 weeks gestation
  - 34–36 weeks gestation





# Syphilis: Diagnosis

**Most commonly used diagnostic tests are as follows:**

**Syphilis register :**

**1800 032 238**

## **1. Serological testing – two types**

- Treponemal-specific antibody tests (TP EIA; FTA-Abs; TPPA/TPHA)
- Non-treponemal tests (RPR, VDRL)

(If screening with a past Hx of treated syphilis only request a rapid plasma regain (RPR))

## **2. NAAT**

- Detection of *T. pallidum* by nucleic acid amplification test from clinical specimen e.g. CSF, tissue and chancre

Slide acknowledgment: Nicholas Medland VHHITAL



# Interpretation of RPR

- A two titre (four fold) rise/fall significant
- $1:1 > 1:4$  or  $1:8 > 1:32$  (indicates infection)
- $1:128 > 1:32$  or  $1:8 > 1:2$  (response to treatment)



# Contact tracing

**All partners within 90 days**

**BLA 1.8g im**





**Before treating syphilis, would  
you contact your nearest sexual  
health clinic or specialist?**

**Tell us via the chat box**



# Syphilis: Management

## Treatment determined by stage of infection:

Infectious syphilis (primary, secondary, early latent)	Non-infectious syphilis (late latent)
Benzathine penicillin 1.8g IMI, stat	Benzathine penicillin 1.8g IMI, weekly for 3 weeks
If allergic to penicillin	
Doxycycline (D) 100 mg/po BD 14 days alternative if penicillin allergy and compliance reliable (do not use in pregnancy)	Doxycycline (D) 100 mg/bd po 28 days

## Other useful information:

- **Previous test results**

(STI Management Guidelines, 2019)

- **Documented or highly reliable history of treatment**



- Primary syphilis, secondary syphilis, early latent syphilis (less than 2 years since diagnosis)
- Benzathine penicillin 1.8g IM weekly x3
- Late latent (greater than 2 years)
- Benzathine penicillin 1.8g IM weekly x3
- Neuro or CVS
- Admit iv penicillin
- Benzathine Penicillin (Bicillin) in doctors bag
- Please be careful of dose



# **Syphilis: take home messages**

**Increase syphilis testing in your practices.**

**Be aware of the rash**

**Request:**

- Syphilis serology (antibody + RPR)
- Use RPR to monitor treatment, detect re-infection
- + PCR if there is anything to swab

**If in doubt, treat, don't wait**

**Get advice about treatment**



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# Contact Tracing/Partner Notification

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**Whose responsibility is it to initiate contact tracing?**

- A. The diagnosing clinician's (or their delegate)**
- B. The pathology laboratory**
- C. The public health unit**
- D. None of the above**



# Aims of contact tracing

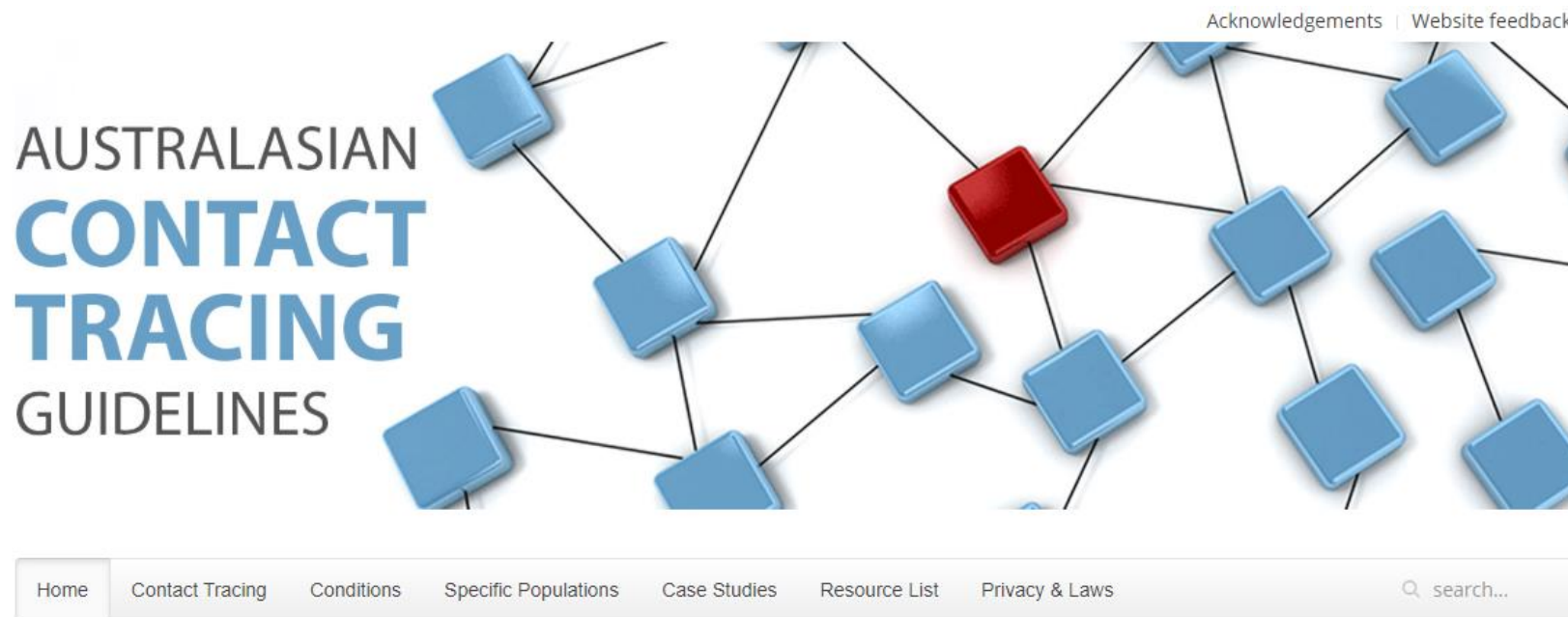
- ✓ To **interrupt** ongoing transmission and limit prevalence of infection in the population
- ✓ To **minimise** complications in those infected
- ✓ **Prevent** re-infection

**Key component of STI control!**

Refer to the ASHM Contact Tracing Guidelines: <http://contacttracing.ashm.org.au/>



# Australasian Contact Tracing Guidelines



Australasian Contact Tracing Guidelines

<http://contacttracing.ashm.org.au/>



# STI/BBV Testing tool for asymptomatic people

## STEP 3 Contact tracing/partner notification<sup>1,8</sup>

INFECTION	HOW FAR BACK TO TRACE
CHLAMYDIA	6 months
GONORRHOEA	2 months
SYPHILIS	Primary syphilis – 3 months plus duration of symptoms
	Secondary syphilis – 6 months plus duration of symptoms
	Early latent syphilis – 12 months
HIV	Start with recent sexual or injecting drug use needle-sharing partners
	Outer limit is onset of risk behaviour or last known HIV negative test result
HEPATITIS B	6 months prior to onset of acute symptoms. If asymptomatic, according to sexual history
	For newly acquired cases contact your local Public Health Unit (PHU) and/or specialist
HEPATITIS C	Low risk for sexual exposure (except for HIV positive men) so contact tracing not generally performed for sexual partners.
	Contacts via parenteral exposure (shared needles, injecting equipment) should be tested if possible.
	Children of mothers who are hepatitis C positive should be tested. <i>Note: rarely sexually transmitted except in HIV co-infection</i>
TRICHOMONIASIS	Unknown; important to treat all sexual partners

## Step 3:

“Contacting tracing/partner notifications”

STI/BBV Testing Tool for Asymptomatic People:

[https://stoptherise.initiatives.qld.gov.au/sites/default/files/wysiwyg-files/QH1214\\_STI-BBV\\_TestingTool\\_Screen.pdf](https://stoptherise.initiatives.qld.gov.au/sites/default/files/wysiwyg-files/QH1214_STI-BBV_TestingTool_Screen.pdf)



# How far back to contact trace?

Infection	Length
Chlamydia	6 months
Gonorrhoea	2 Months
Syphilis	Primary syphilis – 3 months plus duration of symptoms Secondary syphilis – 6 months plus duration of symptoms Early latent syphilis – 12 months
HIV	Start with recent partners Outer limit is onset of risk behaviour or last known HIV-negative test result
Hepatitis B	6 months prior to onset of acute symptoms. If asymptomatic, according to risk history. For newly acquired cases contact your local Public Health Unit (PHU) and/or specialist.
Hepatitis C	6 months prior to onset of acute symptoms. If asymptomatic, according to risk history. For newly acquired cases contact your local PHU and/or specialist.



# Mackay Sexual Health Service 12-14 Nelson Street Mackay

**If there are any difficulties with  
Contact tracing**

**Ask for Help**



**Contact Tracing Support Officer  
Katie Edmondson  
07 4433 9600**



# Patient referral contact tracing

## Websites offer anonymous partner notification services



» Let them Know

» [www.letthemknow.org.au/](http://www.letthemknow.org.au/)



» Drama Down Under – Men who have sex with men

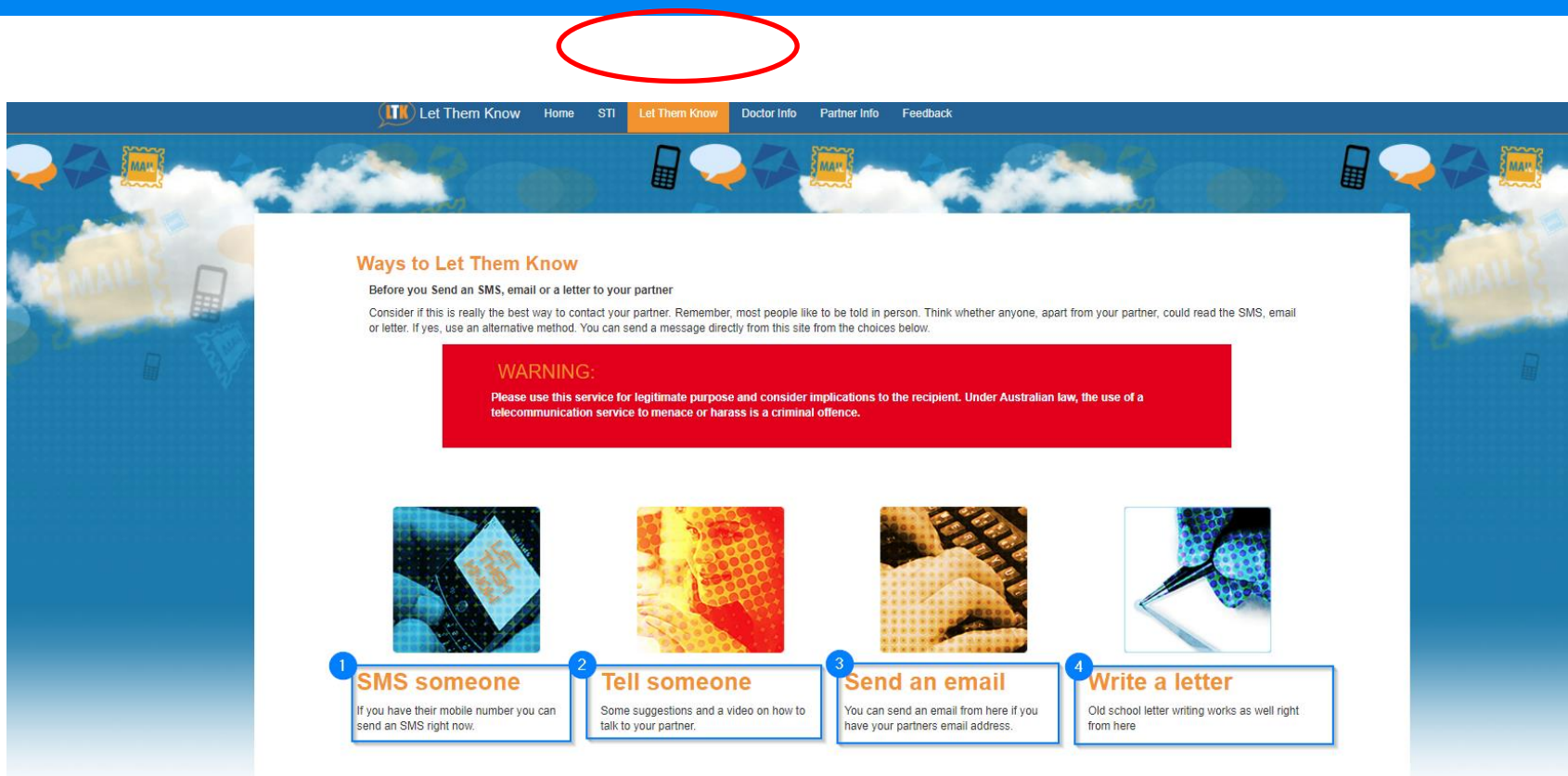
» [www.thedramadownunder.info/](http://www.thedramadownunder.info/)



» Better to Know - Aboriginal people

<http://www.bettertoknow.org.au/>





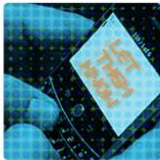
**Ways to Let Them Know**

Before you Send an SMS, email or a letter to your partner


Consider if this is really the best way to contact your partner. Remember, most people like to be told in person. Think whether anyone, apart from your partner, could read the SMS, email or letter. If yes, use an alternative method. You can send a message directly from this site from the choices below.

**WARNING:**


Please use this service for legitimate purpose and consider implications to the recipient. Under Australian law, the use of a telecommunication service to menace or harass is a criminal offence.

- 

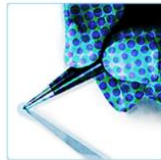
**1 SMS someone**

If you have their mobile number you can send an SMS right now.
- 

**2 Tell someone**

Some suggestions and a video on how to talk to your partner.
- 

**3 Send an email**

You can send an email from here if you have your partners email address.
- 

**4 Write a letter**

Old school letter writing works as well right from here



**Let them Know**  
[www.letthemknow.org.au/](http://www.letthemknow.org.au/)



## Sending an SMS

### Send an anonymous SMS

Partner's name

Partner's mobile

Notification

Your IP address is: 210.9.25.178

Next





## Information for Partners

### Frequently asked questions FAQ

This section is for people who have received a message via the website from a sexual partner. The person who sent the message has been diagnosed with a Sexually Transmitted Infection (STI). They have used the website to advise you that you may be at risk of the infection. It is important to get a test because in most cases STIs are silent infections, meaning there are no signs or symptoms. The STIs listed on this website can be treated with antibiotic medicine. For more information see our [STI Fact Sheets](#). Depending on an individual's risk profile it may be important to test for other STIs at the same time. To find out more about these other tests go to [Check Your Risk](#).

Any GP (local doctor) can test and treat you for an STI. Just print off the [The letter to your Doctor](#) relevant to your STI and take this to your appointment.

- If you live in Victoria you can attend Melbourne Sexual Health Centre at 580 Swanston Street Carlton, ☎phone [03 9341 6200](#).
- The Melbourne Sexual Health Centre website has a link to [other health services](#), form services in your area.
- If you live in NSW you can call the Sexual Health Infoline on [1800 451 624](#) to speak with a sexual health nurse
- If you live in [QLD visit the website](#)



## Example SMS notifications

*"A msg from [www.letthemknow.org.au](http://www.letthemknow.org.au) (First Name) you may have been at risk of (insert STI). Pls have a sexual health check. See web 4 more info. PLS DO NOT REPLY"*

*"A msg from [www.dramadownunder.info](http://www.dramadownunder.info) - (First Name) U may have been exposed to (insert STI). U may need to do a sexual health check-up. See [www.thedramadownunder.info/beentold](http://www.thedramadownunder.info/beentold) for info. PLS DO NOT REPLY"*



# Recommendations for Aboriginal

	Suggestions
Confidentiality	Attempt face to face contact
Partnerships	Create and work in partnership with a network of health care workers that are trusted by the community Engage with community on regular basis Involved in other aspects of community- not just sexual health
Contact details	Record nick-names and aliases, record age of partners to be contacts - to reduce risk of talking to wrong family member with similar name
Innovate	See if you can find people at local sporting clubs, parks, taverns. Be aware of maintaining confidentiality
Gender	Where possible offer health care worker of same gender
Patient support	Be mindful of domestic violence issues, separate consultations with person and their sexual partners

Adapted from: Rob Monaghan and Peter Patterson 'Recommendations for Contact Tracing in Aboriginal Communities'. Poster

**ASHM:** Developing a Sustainable HIV, Viral Hepatitis and Sexual Health Workforce



# Provider referral

## **Recommended in the following circumstances:**

- ▶ HIV, syphilis and gonorrhoea diagnosis
- ▶ Repeat infections
- ▶ Aboriginal and Torres Strait Islander communities
- ▶ Incarcerated or detained partners
- ▶ Casual or ex-partners
- ▶ If the patient requests



# Provider referral



**Do not give feedback to index patient**



**Ensure there is appropriate documentation of outcomes**

- ▶ Including note made in index patient file



**Contact Management**

- ▶ Access to prompt testing and treatment for the contact – through your practice or referral to local sexual health clinic
- ▶ If contact tests positive, determine if any additional partner(s) need to be notified



## Key Messages

- **Contact Tracing is a component of good clinical management of STIs**
- **GPs and Primary Health Care Nurses (PHCNs) are well placed and skilled to take on the role of contact tracing**
- **Contact tracing relies on the co-operation of the patient**





# Pre-exposure prophylaxis (Treatment as prevention)



“Apparently they’re better than The Cure.”



# Pre-exposure prophylaxis

- **Daily Truvada (Tenfovir / Emitricitabine)**
- **To prevent infection in HIV –ve individuals**
- **Very effective – 99% reduction risk infection**
- **PBS approved March 2018**
- **Risk- benefit and cost- benefit ratio**
  - ✓HIV expensive and serious
  - ✓PrEP safe and effective



1. WHO. Guidance on pre-exposure oral prophylaxis (PrEP) for serodiscordant couples, men and transgender women who have sex with men at high risk of HIV: recommendations for use in the context of demonstration projects
2. CDC 2014, Preexposure prophylaxis for the prevention of HIV infection in the United States – 2014.



# How to Start PrEP

**Risk assessment (ASHM guidelines)**

**Mod risk of HIV**

**HIV test, STI screening, renal function tests**

**Streamline authority 7580**



# Continuing PrEP

**3 month cycles HIV and STI screening**

**6 monthly renal function tests**

**Streamline authority 7580**

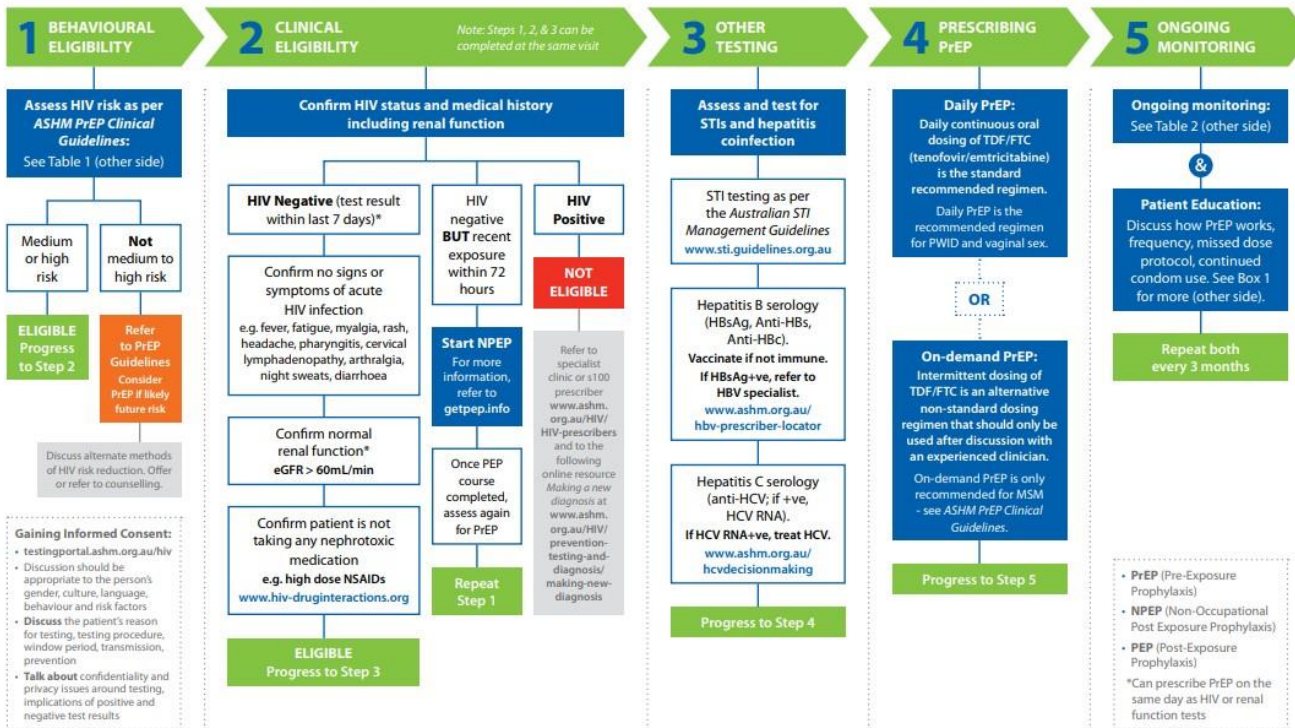




# Decision Making in PrEP

## Prescribing Pathway for PrEP in Australia

# PrEP



For more information about PrEP: [www.ashm.org.au/HIV/PrEP](http://www.ashm.org.au/HIV/PrEP)

[www.ashm.org.au](http://www.ashm.org.au)





# Decision Making in PrEP

## Prescribing Pathway for PrEP in Australia

# PrEP

**Table 1: Behavioural eligibility criteria for PrEP**

RISK CRITERIA FOR MSM		RISK CRITERIA FOR TRANS & GENDER DIVERSE PEOPLE		RISK CRITERIA FOR HETEROSEXUAL PEOPLE		RISK CRITERIA FOR PWID	
High Risk – Recommend PrEP		High Risk – Recommend PrEP		High Risk – Recommend PrEP		High Risk – Recommend PrEP	
<b>Last 3 months</b>	<b>Next 3 months*</b>	<b>Last 3 months</b>	<b>Next 3 months*</b>	<b>Last 3 months</b>	<b>Next 3 months*</b>	<b>Last 3 months</b>	<b>Next 3 months*</b>
<ul style="list-style-type: none"> <li>• CLAI with a regular HIV+ partner (not on treatment and/or detectable viral load)</li> <li>• Receptive CLAI with any casual HIV+ male partner or a male partner of unknown status</li> <li>• Rectal gonorrhoea, rectal chlamydia or infectious syphilis diagnosis</li> <li>• Methamphetamine use</li> </ul>	<ul style="list-style-type: none"> <li>• Multiple episodes of CLAI with or without sharing intravenous drug equipment</li> </ul>	<ul style="list-style-type: none"> <li>• Regular sexual partner of an HIV+ person (not on treatment and/or detectable viral load) with inconsistent condom use</li> <li>• Receptive CLAI with any casual HIV+ partner or a male partner of unknown status</li> <li>• Rectal or vaginal gonorrhoea, chlamydia or infectious syphilis diagnosis</li> <li>• Methamphetamine use</li> </ul>	<ul style="list-style-type: none"> <li>• Multiple episodes of anal or vaginal CLI with or without sharing intravenous drug equipment</li> </ul>	<ul style="list-style-type: none"> <li>• A regular sexual partner who is HIV+ (not on treatment and/or with detectable viral load) with inconsistent condom use</li> <li>• Receptive anal or vaginal CLI with any casual HIV+ partner, male homosexual or bisexual partner of unknown status</li> <li>• A female patient in a serodiscordant heterosexual relationship, who is planning natural conception in the next 3 months</li> </ul>	<ul style="list-style-type: none"> <li>• Multiple episodes of CLI with or without sharing intravenous drug equipment</li> </ul>	<ul style="list-style-type: none"> <li>• Shared injecting equipment with an HIV+ individual or with a gay or bisexual man of unknown HIV status</li> </ul>	<ul style="list-style-type: none"> <li>• Multiple events of sharing injecting equipment with an HIV+ individual or a gay or bisexual man of unknown HIV status</li> <li>• Inadequate access to safe injecting equipment</li> </ul>
Medium Risk – Consider PrEP		Medium Risk – Consider PrEP		Medium Risk – Consider PrEP		<ul style="list-style-type: none"> <li>• PWID (People Who Inject Drugs)</li> <li>• CLI (Condomless Intercourse)</li> <li>• CLAI (Condomless Anal Intercourse)</li> </ul> <p>*Is the patient likely to behave like this in the next 3 months (indicates a sustained risk)</p>	
<b>Last 3 months</b>	<b>Next 3 months*</b>	<b>Last 3 months</b>	<b>Next 3 months*</b>	<b>Last 3 months</b>	<b>Next 3 months*</b>		
<ul style="list-style-type: none"> <li>• Anal intercourse when proper condom use was not achieved (e.g. condom slipped off) where the serostatus of partner was not known, or was HIV+ and not on treatment or with a detectable viral load</li> <li>• If patient uncircumcised: more than one episode of insertive CLAI where the serostatus of partner was not known, or was HIV+ and not on treatment or with a detectable viral load</li> </ul>	<ul style="list-style-type: none"> <li>• Multiple episodes of CLAI with or without sharing intravenous drug equipment</li> </ul>	<ul style="list-style-type: none"> <li>• 1+ episodes of anal or vaginal intercourse when proper condom use was not achieved (e.g. condom slipped off) and where the serostatus of partner was not known, or was HIV+ and not on treatment or with a detectable viral load</li> <li>• If patient uncircumcised: 1+ episodes of insertive CLAI where the serostatus of partner was not known, or was HIV+ and not on treatment or with a detectable viral load</li> </ul>	<ul style="list-style-type: none"> <li>• Multiple episodes of anal or vaginal CLI with or without sharing intravenous drug equipment</li> </ul>	<ul style="list-style-type: none"> <li>• CLI with a heterosexual partner, not known to be HIV-, from a country with high HIV prevalence</li> </ul>	<ul style="list-style-type: none"> <li>• Multiple episodes of CLI with or without sharing intravenous drug equipment</li> </ul>		

**Table 2: Laboratory evaluation & clinical follow-up of individuals who are prescribed PrEP**

Test	Baseline	±30 days after initiation (optional)	90 days after initiation	Every 90 days on PrEP	Other frequency (minimum)
HIV testing and assessment for signs or symptoms of acute infection	✓	✓	✓	✓	n/a
Assess side effects	n/a	✓	✓	✓	n/a
Hepatitis B serology	✓	n/a	n/a	n/a	n/a
Hepatitis C serology	✓	n/a	n/a	n/a	Every 12 mths
STI (i.e. syphilis, gonorrhoea, chlamydia) as per Australian STI Management Guidelines	✓	n/a	✓	✓	n/a
eGFR ±urine protein: creatinine ratio (PCR) at 3 mths and then every 6 mths	✓	n/a	✓	n/a	Every 6 mths
Pregnancy test (women of child-bearing potential)	✓	✓	✓	✓	n/a

### Box 1: Patient Education

- Discuss HIV-risk behaviours
- Discuss combination HIV/STI prevention, including the central role of condoms
- Discuss safer injecting practices if applicable
- Check mental health and recreational drug use
- Discuss the importance of medication adherence at every visit
- Patients need to take a daily dose of PrEP for 7 days to achieve high levels of protection, 20 days to achieve maximum protection
- If stopping PrEP – patients on daily PrEP should continue PrEP for 28 days following exposure
- Ongoing monitoring every 3 months is required – see Table 2; discuss potential side effects include early e.g. headache, nausea and long term e.g. renal injury, lowered bone density;
- Ask about medications that can affect renal function, eg regular use of NSAIDs



# Downside to PrEP

**Impaired renal function tests**

**Use only if GFR > 60**

**Increased risk of STIs**





SECRETARIAT OF STATE

No. 64.781

From the Vatican, 5 June 2015

Dear Dr Montaner,

His Holiness Pope Francis thanks you for informing him of the forthcoming International Conference on HIV/AIDS in Vancouver. He sends prayerful greetings to all taking part, and expresses his esteem for their work and the dedication it requires.

His Holiness is grateful for the many advances made in the prevention and treatment of HIV/AIDS, particularly through Highly Active Antiretroviral Therapy, and the promotion of "Treatment through Prevention". The lives that have been saved, both through the reduction in the number of new infections and the better health and longer lifespan of those already diagnosed, gives witness to the possibilities for beneficial outcomes when all sectors of society unite in common purpose. He hopes that further efforts may be made to make the fruits of research and medicine available to the world's poorest people, especially orphaned children, upon whom this scourge often places the heaviest burden. He likewise prays that all advances in pharmacology, treatment and research will be matched by a firm commitment to promote the integral development of each person as a beloved child of God. Upon all of you, the Holy Father invokes abundant divine blessings of wisdom and peace.

With every good wish, I am

Yours sincerely,

Secretary of State





# Medical termination of pregnancy

**MS- 2 – step**

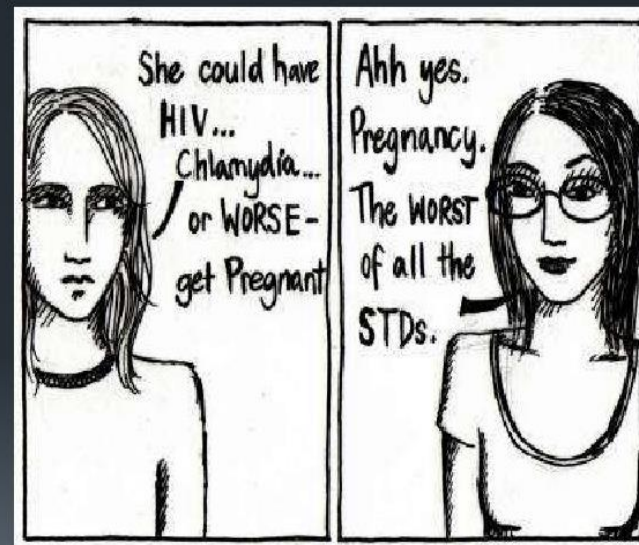
**Mifepristone 200mg orally**

**Misoprostol 200 micrograms x 4 buccal 36 to 48hrs later**

**Up to 63 days**

**Heavy bleeding 2-3 days, bleeding continues 10-14 days**

**2% failure rate ongoing pregnancy**





# Medical termination management

**Confirm pregnancy and gestational age USS<sup>2</sup>**

**1 hr from medical care for 14 days.**

**Exclude contraindications to mifepristone/misoprostol<sup>2</sup>**

- ▶ chronic adrenal failure
- ▶ hypocoagulation diseases
- ▶ anticoagulation
- ▶ allergy to mifepristone, misoprostol or other prostaglandin.

**Consider relative contraindications**

**(eg, anaemia, renal failure, hepatic impairment).<sup>2</sup>**



# Mycoplasma

**Discovered 1980**

**Similar symptoms chlamydia**

**Asymptomatic, Urethritis, cervicitis, PID**

**PCR test available 2015**





# Mycoplasma

**Prevalence 2.5%?**

**Natural history not well known**

**Macrolide resistance**





# General Practice

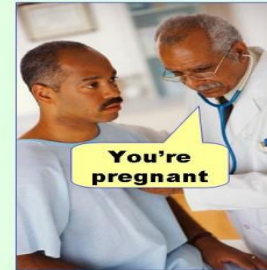
**Don't screen population**

**Test in symptomatic patients**

**Treat doxycycline 100mg 7 days then azithromycin**

**Proof of cure 2 weeks**

**Type I error**  
(false positive)



**Type II error**  
(false negative)





# M.Gen: Management

Principal Treatment Options		
Situation	Recommended	Alternative
M. genitalium infection known or suspected to be macrolide-susceptible	<p>Doxycycline 100mg bd for 7 days</p> <p>followed by</p> <p>Azithromycin 1g stat then 500mg daily for three days (total 2.5g)*</p>	<p>Doxycycline 100mg bd for 7 days</p> <p>followed by</p> <p>Azithromycin 1g single dose*</p>
M. genitalium infection known or suspected to be macrolide-resistant	<p>Doxycycline 100mg bd for 7 days</p> <p>followed by</p> <p>Moxifloxacin 400mg daily for 7 days</p>	
Pelvic inflammatory disease due to <i>M.genitalium</i>	<p>Moxifloxacin 400mg daily for 14 days**</p>	



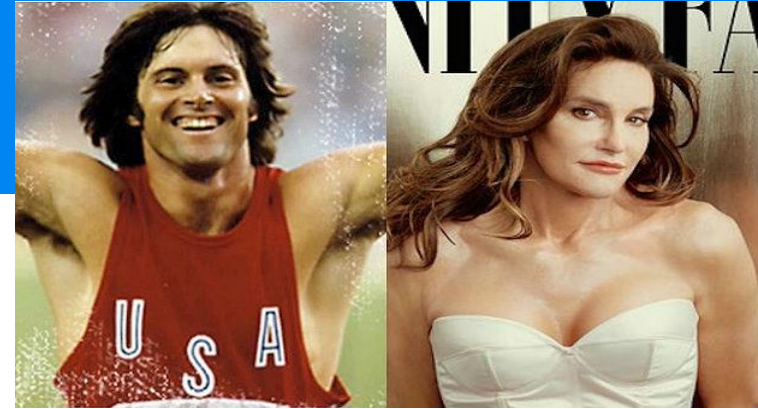
## Urethritis: Treatment

Principal Treatment Options		
Situation	Recommended	
<b>chlamydia Likely</b>	Doxycycline 100mg PO, BD for 7 days	Azithromycin 1g PO, stat Or symptomatic Rx until result
<b>Gonorrhoea likely</b>	Ceftriaxone 500mg in 2mL of 1% lignocaine IMI, stat PLUS Azithromycin 1g PO, stat	Ceftriaxone 500mg in 2mL of 1% lignocaine IMI, stat PLUS Doxycycline 100mg PO, BD for 7 days
<b>Mycoplasma genitalium</b>	After completing doxycycline, use either azithromycin or moxifloxacin.  See Mycoplasma genitalium	Seek specialist advice

(STI Management Guidelines, 2019)



# Transgender



**43 year old long term married accountant**

**Says he is gender dysphoric**

**What do you do?**



# Adult Transgender

**History – psychiatric, sexual abuse**

**Investigations – fsh, lh oestradiol, testosterone**

**Psychiatric referral – exclude psychosis**





# Adult Transgender – medical Mx

**MTF - cyproterone, oestradiol (progynova)**

**FTM – testosterone – reandron 3 monthly**

**Regular psychologist**





## Wrap up and key messages

1. Every STI diagnosed reduces the duration of infectivity
2. Contact Tracing is a component of good clinical management of STIs
3. General Practice plays a critical role in addressing the ongoing and increasing burden of STIs and BBVs



# Questions



## **Wrap up and key messages**

- **Every STI diagnosed reduces the duration of infectivity**
- **Contact Tracing is a component of good clinical management of STIs**
- **General Practice plays a critical role in addressing the ongoing and increasing burden of STIs and BBVs**



# Thanks for attending

**There is a wide range of resources, online training module and other trainings available to support health professionals to test, diagnose, manage and treat STIs**

**Check our resource list**

**<https://ashm.org.au/resources/STI-Resources-List/>**

**Check our Online Training Modules**

**<https://ashm.org.au/sexual-health/training/>**

**Check ASHM Training Calendar**

**<https://ashm.org.au/training/>**



# Queensland sexual health resources

## Primary Clinical Care

Manual <https://www.health.qld.gov.au/rrcsu>

## Kirby Annual Surveillance

Reports <https://kirby.unsw.edu.au/report/annual-surveillance-report-hiv-viral-hepatitis-and-stis-australia-2017>

Australian STI Management Guidelines for use in primary care <http://www.sti.guidelines.org.au>

## The Aboriginal and Torres Strait Islander Adolescent Sexual Health

Guidelines [https://www.health.qld.gov.au/\\_data/assets/pdf\\_file/0018/161541/adolescent\\_sexual\\_health\\_guideline.pdf](https://www.health.qld.gov.au/_data/assets/pdf_file/0018/161541/adolescent_sexual_health_guideline.pdf)



# References: Quick hook up

**Australian STI Management Guidelines**

**<http://www.sti.guidelines.org.au/>**

**ASHM HIV Management Guidelines**

**<http://hivmanagement.ashm.org.au/>**

**ASHM Guide to Australian laws and policies for health  
care professionals**

**<http://hivlegal.ashm.org.au>**

**Decision Making in HIV**

**[www.ashm.org.au/resources](http://www.ashm.org.au/resources)**

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**Testing portal HIV, HBV & HCV**



# References: Who to test & who to screen

**Health Knowledge - Differences between screening and diagnostic tests and case finding**

**<https://www.healthknowledge.org.uk/public-health-textbook/disease-causation-diagnostic/2c-diagnosis-screening/screening-diagnostic-case-finding>**

**Australian STI & HIV Testing Guidelines 2019 for Asymptomatic MSM**

**<https://stipu.nsw.gov.au/stigma/stihiv-testing-guidelines-for-msm/>**

**HIV, viral hepatitis and sexually transmissible infections in Australia: annual surveillance report 2018**

**[https://kirby.unsw.edu.au/sites/default/files/kirby/report/KI\\_Annual-Surveillance-Report-2018.pdf](https://kirby.unsw.edu.au/sites/default/files/kirby/report/KI_Annual-Surveillance-Report-2018.pdf)**



# References: Specimen collection

## **NSW STI Programs Unit – Specimens for Sexually Transmitted Infections card**

- ▶ <https://stipu.nsw.gov.au/wp-content/uploads/DIY-sheet-2020.pdf>

## **Queensland Health Chlamydia and Gonorrhoea Testing card**

- ▶ [https://www.health.qld.gov.au/\\_data/assets/pdf\\_file/0024/726522/chlamydia-gono-testing.pdf](https://www.health.qld.gov.au/_data/assets/pdf_file/0024/726522/chlamydia-gono-testing.pdf)

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# Resources

## **Australian STI Management Guidelines**

**<http://www.sti.guidelines.org.au/>**

## **ASHM HIV Management Guidelines**

**<http://hivmanagement.ashm.org.au/>**

## **ASHM Australasian Contact Tracing Guidelines**

**<http://contacttracing.ashm.org.au/>**

**ASHM Guide to Australian laws and policies for health care professionals <http://hivlegal.ashm.org.au>**



# Resources

## **Decision making in PrEP**

**<http://www.ashm.org.au/resources/HIV-Resources>**

## **Decision Making in HIV**

**[www.ashm.org.au/resources](http://www.ashm.org.au/resources)**

## **HIV Treatment Guidelines (ARV Guidelines)**

**<http://arv.ashm.org.au/>**

## **National NPEP guidelines**

**<http://www.pep.guidelines.org.au/>**