

Melbourne Sexual Health Centre Annual Report 2016



Contents

05	Overview
08	Director's report
10	Services and consultations
15	Research
16	Prizes and awards
17	Publication highlights
20	Publications
25	Staff
28	Client satisfaction survey

3

Melbourne Sexual Health Centre (MSHC) is a service within Alfred Health. The vision of the MSHC is to be a leader in the management and prevention of Sexually Transmitted Infections (STIs) and its mission is to maximize sexual health through innovation and excellence in public health, education, clinical care and research.

Overview

The MSHC has been in operation since 1917 as a specialised unit for the diagnosis and treatment of sexually transmissible infections (STIs). It is the only centre that provides full-time, free sexual health services to the people of Victoria. The Centre became part of Alfred Health in 2003. The services provided by MSHC include general clinics for the management of STIs and HIV and a variety of specialist clinics. The service provided is predominantly walk in led by nurse triage service that focuses on high risk individuals with some appointments.

Special services provided by MSHC include:

- Medical care and community welfare support for people living with HIV
- Dermatology clinic for specialist dermatological management of genital skin disorders and dermatological conditions in HIV positive and negative clients
- Counselling services with qualified counsellors that are available for individuals or couples with concerns about sexual health and STIs, including HIV
- STI testing through a website and/or telephone consultations for young people under 25 years, men who have sex with men (MSM) and Aboriginal or Torres Strait Islanders of any age living more than 100km from Melbourne augmented by self collected specimens and postal treatment
- Express testing service for MSM, Test and Go service (TAG)
- HIV Integrated Prevention clinic (HIP)
- Outreach services for men who attend sex on premises venues.
- Nursing service for Access Health (Salvation Army) in St Kilda that provides services for marginalised people in the community. Funding by the Drug and Alcohol section of the Department of Health has been provided for 5 hours of sexual health nursing services/week.
- On-site pharmacy provided by Alfred Health
- On-site laboratory service provided by the Public Health Laboratory Microbiology Diagnostic Unit (PHL-MDU), University of Melbourne which provides assistance to clinicians to make same day diagnoses and treatment

The team of health care providers at MSHC includes 26 doctors, 38 sexual health nurses and 2 counsellors. The clinicians play an instrumental role in screening and testing for STIs and HIV, STI and HIV prevention, education and counselling. The health care team is supported by 15 other staff members in administrative or clerical roles, IT support, pharmacists and medical scientists.

The pharmacy services at MSHC are co-ordinated by Alfred Health pharmacy services. The staff rotate at 6 monthly intervals and cover 4 campuses: The Alfred Hospital, Caulfield and Sandringham Hospitals, and MSHC.

As the population of Victoria grows, so too does the demand for the Centre's services. MSHC has continued to place importance on the provision of services that maximise access for members of the public in most need. This has been achieved through the continued provision of services that are free of charge, have greater flexibility through the use of walk-in triage and additional gains from clinical efficiency. Extra clinical services are provided for men who have sex with men (MSM), who currently constitute a major risk group for STIs in Victoria.

One of MSHC's key roles is to promote public health and education. It aims to provide material that is freely available to both the general public and health care providers, particularly general practitioners

(GPs). MSHC provides support to GPs as well as the public through its web based services <u>www.mshc.org.</u> <u>au</u> and free-call telephone service whereby GPs can receive specialist clinical advice directly from a sexual health physician.

The newly updated MSHC website <u>www.mshc.org.au</u> comprises of information divided into four major sections:

- Clinic information
- Sexual health for the general public
- Resources for health professionals
- Research and education

There are also interactive online services provided:

For the general public:

- <u>www.checkyourrisk.org.au</u> (Check Your Risk) to check risk of exposure to an STI
- www.healthmap.org.au (Health Map) for HIV positive people to find out what tests are needed and also what issues should be on the agenda at the next visit to the doctor or clinic. Health Map asks questions about health and provides a personal report, based on expert advice. This report directs users to chosen websites for particular needs, and provides some facts and a "to do" list for medical care
- <u>www.letthemknow.org.au</u> (Let Them Know) for assisting individuals diagnosed with sexually transmitted infections about informing their partners about their possible risk of infection. The site has numerous tools including examples of conversations, emails, SMS and letters to communicate the information as well as fact sheets
- <u>www.testme.org.au</u> (TESTme) provides STI testing through telephone consultations for young people under 25 years, men who have sex with men (MSM) and Aboriginal or Torres Strait Islanders of any age living more than 100km from Melbourne augmented by self collected specimens and postal treatment
- www.mshc.org.au/syphilis (Syphilis) for assisting people who may have concerns about having contracted or have been diagnosed with syphilis. The site has detailed information about symptoms and treatment of syphilis, photographs and information on reducing risk and informing partners

For general practitioners:

<u>www.mshc.org.au/GPassist</u> (GP Assist) provides a mechanism to improve partner notification by
providing the <u>www.mshc.org.au/GPassist</u> web address on laboratory reports of positive results of
common STIs. Accessible information about treatment of the more common STIs and simple tools
such as partner letters and fact sheets for GPs to use in discussing partner notification are also
available at this site

Online training and education resources for health care professionals:

- Treatment guidelines <u>www.mshc.org.au/HealthProfessional/MSHCTreatmentGuidelines/</u> <u>tabid/116/Default.aspx</u>
- Educational videos (see list Table 1) and audios for management of common sexual health issues such as treating genital warts and diagnosing PID, taking a Papanicolaou smear, symptoms of acute HIV, and examples of partner notification explanations to clients <u>www.mshc.org.au/</u> <u>HealthProfessional/OnlineEducation/tabid/121/Default.aspx</u>
- Online STI atlas <u>www.stiatlas.org</u> is a free, open access online atlas showcasing MSHC's extensive library of clinical images aimed at improving diagnoses of STIs for health care providers internationally
- Case studies with photographs <u>www.mshc.org.au/HealthProfessional/OnlineEducation/tabid/121/</u>
 <u>Default.aspx</u>



Table 1 List of educational videos for health professionals

1. MSHC Orientation	A brief description about what happens at Melbourne Sexual Health Centre		
2. Chlamydia - introducing the test	How to introduce the recommended annual chlamydia test in a non sexual health consultation		
3. Chlamydia in general practice	Who, Where, When and Why An update on a previously recorded - chlamydia testing video		
4. Sexual health check up	Sexual health checkups for asymptomatic patients		
5. PID	Pelvic inflammatory disease - diagnosis and management		
6. Partner notification	Assisting patients to contact their partners		
7. Warts removal	Treating warts by cryocautery		
8. Warts treatment	Wart treatment		
9. Laboratory diagnosis of STIs	Laboratory diagnosis of sexually transmitted infections		
10. Sexual health examination	Sexual Health Examination and Normal Variants		
11. HSV	Genital herpes		
12. Pap test video	A clinicians guide to taking a Pap Test		

Table 2 List of educational audio presentations for health professionals

Topics		
Adolescent Sexual Health		
Genital Chlamydia		
Management of Vulvar Pain		
Pap Smear Terminology		
Sex Worker Screening		
Type-Specific Herpes Serology		
MSM Screening		

The Centre also fulfills an important role as a principal centre for the training of health professionals in Victoria through Dr Hennie Williams at Melbourne University.

The teaching and sexual health courses remain with The University of Melbourne.

MSHC places a premium on the provision of high quality services that are responsive to client needs. To this end, the Centre is active in quality assurance activities, which include an annual client satisfaction survey, where 99% of clients in 2015 expressed satisfaction with the service.

Director's report

Welcome to our 2016 annual report. This year has been another great year for the Centre and I'm sure we all feel very proud of what we have achieved for the state of Victoria. We've provided 46,564 consultations and received countless kind words of thanks from grateful clients, 99% of whom have been satisfied with the care they have received. And whenever I look around the Centre-I see the smiling happy faces of our wonderful staff who clearly derive so much pleasure and satisfaction with helping the public we serve. Thank you to all of you.

Like other years, we've had to adapt to a rapidly changing landscape of STI and HIV prevention and treatment. In the last 12 years we've seen pre-exposure prevention for HIV (termed PrEP) become perhaps the most rapidly adopted HIV prevention tool in history. A special thanks to Tina Schmidt, Andrew Buchanan and Melanie Bissessor for stepping up to staff these special PrEP clinics. To extend our contribution to HIV prevention we've also had some additional funding from the Department of Health and Human Services to expand our Test and Go (TAG) services to maximise our role in the early diagnosis of HIV as we support another HIV treatment program known as 'Treatment as Prevention' or 'TasP'. A special thanks to Ria Fortune, Trish Wakefield and Sheranne Dobinson for their contribution to our express services.

We have again this year worked very hard to improve the way we do things in the General Clinic to make optimal use of the extraordinary talents of our team. Thanks to David Lee and Anthony Snow for their work in supporting the nursing team to extend their scope of practice to include clients with uncomplicated vaginal and urethral discharge. Some nurses have been signed off, while others are working towards training completion. This has benefitted the nursing team by allowing them to expand their scope of practice while freeing up the medical staff, and nurse practitioners for the more complex clients.

Low risk asymptomatic clients are now largely seen in express clinics with self-collected sampling, supported by our professional team of division two nurses Surbi Bird, Caroline Cittarelli, and Jordan Wotten. These and other changes have allowed us to halve the cost of consultations to the State over the years and seen us become a highly streamed and efficient service.

We now also have a new role in the nursing team of Flexi Nurse. This role arose to provide support for triage and serology, and has been very successful. It has meant that clients are waiting less time for triage and serology, and also for 'Test and Go Style' screening.

Two members of staff sadly completed their service in 2016 and deserve special mention. Tom Carter has been a household name and face around MSHC prior to the days in 1990 when I was an infectious disease registrar. His service to the State has been extraordinary and something we are very grateful for and something that he should be immensely proud of. This year he retired and has moved to Central Victoria for a well-earned rest. After 14 years of service, Brad Whiton moved into the exciting area of hepatitis C. Brad spent 5 years creating and running the successful Wulumperi Unit. The Wulumperi Unit developed three innovative culturally and educationally peer reviewed health promotion programs to positively influence sexual and reproductive health knowledge, reduce STIs, BBVs, and decrease unplanned pregnancies for the Victorian Aboriginal Community. Culturally specific sexual and reproductive health resources developed by Aboriginal communities and agencies were sourced and used extensively within the programs. The programs remain available for use and are

- 1. Young Peoples Sexual and Reproductive Health
- 2. Sacred Sistas
- 3. Deadly Dudes

This has been an outstanding year for research. Not only were Eric Chow's and Jane Hocking's NHRMC project grants successful but we had 90 papers published this year in very high ranking journals. These NHMRC grants now have a success rate of less than 15% so getting one is a miracle but getting two can only be explained by sheer brilliance on the part of Eric and Jane.

We've also had lots of industry collaboration this year, which is what Governments like to see. Catriona Bradshaw and Tim Read have worked closely with an Australian Biotech company called Speedex, to extend their work on *Mycoplasma genitalium* treatment. There is little doubt that the knowledge Catriona and Tim have generated (and will continue to generate) is of very high quality and is why most international researchers hang on their every word at conferences- in relation to *Mycoplasma genitalium* treatment. Eric and Marcus Chen have also obtained a large grant from Merck in the USA to carry out the HYPER 2 study looking at whether the HPV vaccination coverage in boys is sufficient to essentially prevent any significant HPV among young gay men. The world will be watching these results which will help them decide whether or not a boys program is needed or a focused program for gay men is sufficient. Not one of these studies would turn into successful projects without the exceptional support of all of you at MSHC who support this research so tirelessly, in the face of an extraordinarily clinical load. A very special thank you to Kate Maddeford, Bec Wigan, Tiffany Rose, Sandy Walker and Michelle Doyle from our research team whose dedication and skills are second to none.

On behalf of Suzanne, Ria and Marcus, thank you to a wonderfully talented team of extraordinarily health professionals who are; Melbourne Sexual Health Centre.

Services and consultations

The numbers of consultations by type of service provided onsite are shown in Table 3. A further 329 outreach consultations were carried out offsite at various venues for men-who-have-sex-with-men (MSM) and Access Health services for marginalized people.

Table 3				
Clinic Type	Total	Male	Female	Transgender
General Clinic	41,973	28,314	13,422	237
HIV Clinic	3,641	3,242	385	14
Counselling	950	702	244	4
Total	46,564	32,258	14,051	255
Individuals	24,142	15,818	8,198	126

Diagnoses

The numbers of the most frequently made diagnoses in consultations are shown in Table 4.

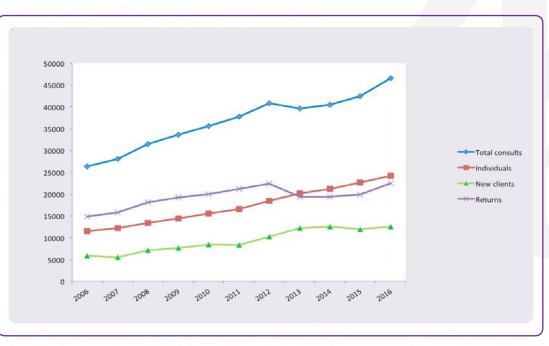
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Diagnoses	Total
Chlamydia trachomatis	2,730
Neisseria gonorrhoea	1,719
Non gonococcal urethritis (NGU)	1,786
Herpes	1,055
Infectious syphilis	342
Bacterial vaginosis	1,065
Warts	1,629
HIV new cases	79
PID	304
Mycoplasma genitalium	528
Lymphogranuloma venereum	3
HIV PEP	1,292
PCI	57
Gonorrhoea in women	107
Trichomoniasis in women	16

The numbers of consultations continue to rise with the number of individuals steadily increasing (Figure 1). There was a marginal decrease in consultations in the General Clinic from 36,528 in 2012 to 35,072 in 2013 and in 2014 35,836. The number of returning clients remained at approximately the same level from 2013 after a significant reduction in returning clients in 2012 as a result of changes to sexworker health checks from monthly to 3 monthly in October 2012 and the change in policy of HIV negative results for all

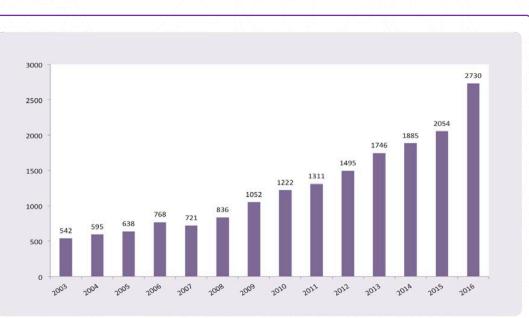
clients being provided by telephone consultations from the beginning of 2013. In 2016, there has been a significant increase in returning clients. This may be the result of the introduction of the Test and Go (TAG) and HIV Integrated (HIP) services.

Figure 1 Increasing numbers of clients each year



The numbers of positive chlamydia and gonorrhea tests have also increased (Figure 2 and 3) as well as the number of infectious syphilis cases (Figure 4). The numbers of gonococcal positive tests have increased significantly since the introduction of highly sensitive nucleic acid amplification tests for screening in March 2015.

Figure 2 Number of positive chlamydia tests by year



11

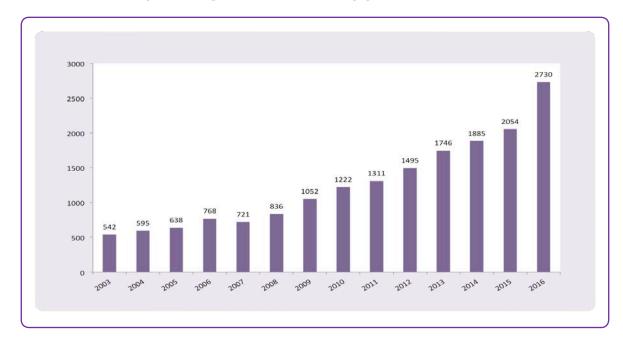


Figure 3 Number of positive gonorrhoea tests by year



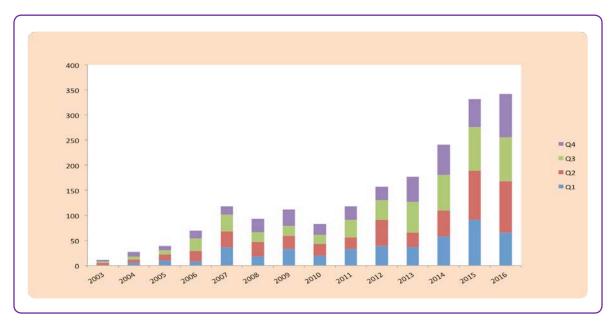
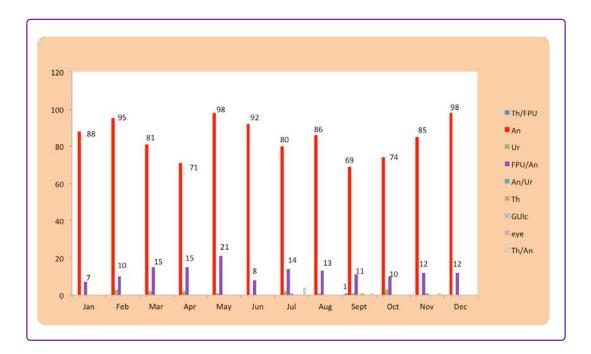
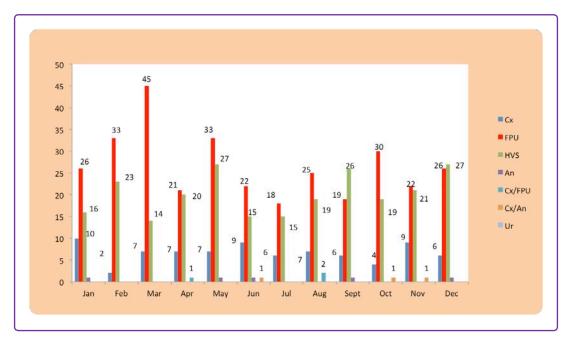


Figure 5 Sites of chlamydia infections among 2,067 males in 2016



List of abbreviations: FPU - first pass urine; An - anal; Ur - urethral, Th - throat, GUlc - genital ulcer

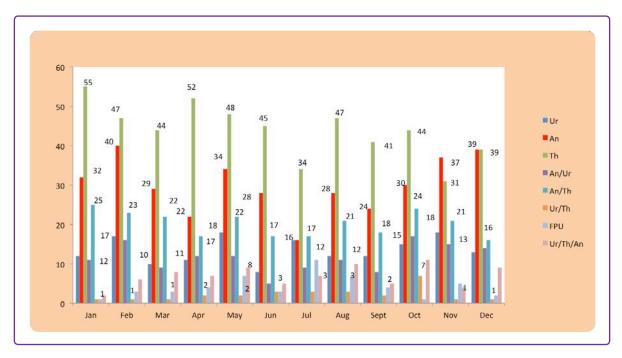
Figure 6 Sites of chlamydia infections among 653 females in 2016



List of abbreviations: Cx - cervical; HVS - high vaginal

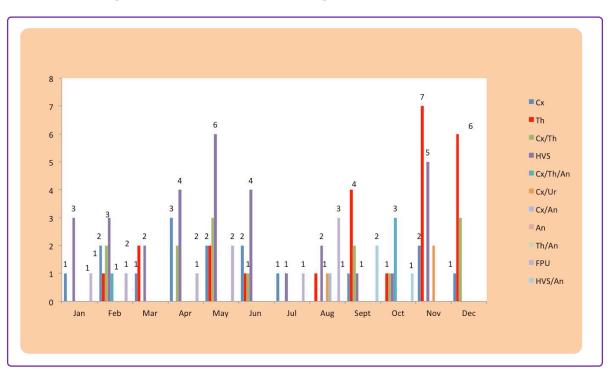
Chlamydia trachomatis remains the most common bacterial STI diagnosed at MSHC. The number of chlamydia infections by sex and site are shown in Figure 4 and 5). The majority of gonococcal infections occur in MSM.

Figure 7 Sites of gonococcal infections among 1,591 males in 2016



List of abbreviations: FPU – first pass urine; An – anal; Ur – urethral, Th – throat





List of abbreviations: Cx – cervical; HVS – high vaginal Introduction in October of routinely collected throat swabs from female sexworkers

14

Research

The Centre has continued to maintain strong research and education activities through the Central Clinical School, Monash University and The Sexual Health Unit of the School of Population Health, University of Melbourne.

Postgraduate Research

In progress:

Sexually transmitted infections (STIs) in HIV-infected patients in the Australian HIV Observational Database (AHOD), **Brian Mulhall,** PhD, The University of New South Wales

Is the current treatment of genital chlamydia infection appropriate? **Fabian Kong**, PhD, The University of Melbourne

Epidemiology of gonorrhoea and its interaction with other major STDs among male patients in South Australia, **Bin Li** (Mikko), PhD, The University of Adelaide

What do we know about the diagnosis & management of pelvic inflammatory disease in Australia? **Jane Goller,** PhD, The University of Melbourne

The HIV treatment cascade: improved individual and population health outcomes through a better understanding of the natural history of HIV and its treatment in modern health care systems. **Nick Medland**, PhD, Monash University

HIV and sexual health in men who have sex with men (MSM). Vincent Cornelisse, PhD, Monash University

Epidemic syphilis in Victoria 2015: Where to from here? Janet Towns, PhD, Monash University

RTS: Rectal Treatment Study - comparing single dose 1g azithromycin to 500mg doxycycline twice daily for 7 days as treatment for rectal chlamydia in men who have sex with men (MSM). **Andrew Lau** PhD, The University of Melbourne

Completed research projects as part of MPH

Quality Appraisal of Economic Evaluations done on Oral Health Preventive Programs-A Systematic Review. **Gayatri Ravisankar,** The University of Melbourne

STI and BBV screening of antenatal patients at the Mercy Hospital for Women, Melbourne, **Monica Owald**, The University of Melbourne

Bachelor of Medical Science (Hons)

Temporal changes in the epidemiology of gonorrhoea among men who have sex with men (MSM). **David Priest,** Monash University

Changes in the epidemiology of Sexually Transmitted Infections (STIs) in Melbourne for the last 100 years in relation to world wars, immigration, the HIV epidemic and Medicare. **Emile Jasek,** Monash University

The proportion of contacts of Mycoplasma genitalium (MG) who were infected. **Josephine Slifirski,** Monash University

The microbiological and clinical features of Mycoplasma genitalium (MG) pelvic inflammatory disease. **Rosie Latimer,** Monash University

Bachelor of Biomedical Science (Hons)

Comparison of the results of samples taken from different body sites, tested individually or collectively, for their accuracy in diagnosing chlamydia and gonorrhoea infections. **Anne Tran,** Monash University

Prizes and awards

- The Nursing Team from MSHC was awarded "The Alfred Hospital League Nursing Team Award for Excellence in Patient Centered Care" from 42 nominations and a shortlist of 11 teams
- Melbourne Sexual Health Clinic scientist, Eric Chow has been awarded the 2016 Victorian Fresh Scientist Award for his research findings on human papilloma virus (HPV)
- Eric Chow received the 2016 AMREP Public Health Research Early-Career Researcher Best Paper Award for our paper titled 'Human papillomavirus in young women with Chlamydia trachomatis infection 7 years after the Australian human papillomavirus vaccination programme: a crosssectional study' published in the Lancet Infectious Diseases in 2015
- Eric Chow received a grant from The Alfred Foundation for "What Is It Program for self-diagnosis of STIs"
- Eric Chow was awarded an "Educational Support Grant" from the Sexual Health Society of Victoria
- Eric Chow obtained a "Central Clinical School Travel Grant 2016 Round 1" from Monash University
- Jade Bilardi was awarded an unrestricted educational grant from Bayer Australia Ltd for the development in part of the website "What's going on down there"
- Eric Chow received a Seqirus "Educational Grant for HPV Research"
- Eric Chow received a European Research Organisation on Genital Infection and Neoplasia
- "EUROGIN 2016 Grant"
- Nimal Gamagedara, Postgraduate Institute of Medicine, University of Colombo, Sri Lanka, received a Sri Lankan Presidential Award for Scientific Publications in International Journals of which the Impact Factor is above 1 for his involvement in scientific publications during my Postdoctoral Training at MSHC in 2012-2013.



Publication highlights

Human papilloma virus Australia introduced a national quadrivalent human papillomavirus (4vHPV) vaccination programme for girls and young women in April, 2007. The HPV genotypes targeted by the female vaccine could also provide indirect protection to heterosexual men. This is the first study to document annual trends in HPV prevalence among young, sexually active, predominantly unvaccinated heterosexual men diagnosed with chlamydia during an 11-year period. We described a dramatic fall in HPV genotypes 6/11, and 16/18 in Australian-born men after the introduction of a universal female vaccination programme. The declining trend in prevalence of HPV genotypes 6/11 are consistent with reductions in genital warts in men reported in previous studies, but these findings provide the first evidence of herd protection from HPV genotypes 16/18. We also observed a decline in HPV 16/18 but not in HPV 6/11 in overseas-born men who recently arrived from countries that have implemented a bivalent vaccine programme (HPV 16/18). In this study, we provide, for the first time, an indication of the effectiveness of Australia's female vaccination programme, against all four vaccine-targeted HPV infections in men. In addition, the decline in HPV genotypes 16/18 in overseas-born men provides the first evidence of herd effects in countries with high female coverage with the bivalent vaccine. The substantial reduction of vaccine targeted HPV genotypes should, in time, translate to reduction in HPV related malignancies in men, even in countries with female only vaccine programmes.

PrEP (pre-exposure prophylaxis) is a way to prevent HIV infection by taking a pill every day for people who do not have HIV, but who are at very high risk of becoming infected. PrEP may be an effective option to prevent HIV among heterosexual serodiscordant couples. The aim of this study was to explore the views of HIV-negative men and women in stable serodiscordant heterosexual relationships about the possible use of PrEP. Interviews were conducted face-to-face or by telephone. In total, 13 HIV-negative partners were interviewed; six men and seven women. Their main concerns around using PrEP were the cost, not being fully effective, taking a tablet every day and side-effects. The HIV negative partner within the heterosexual couple would be willing to consider taking PrEP as part of an approach to HIV prevention especially when trying to conceive a child free of HIV infection. Men were more likely than women to entertain the idea of PrEP as they felt it might improve sexual pleasure if they could stop using condoms. Women did not feel as strongly about this as men. This was one of the first studies looking at attitudes towards PrEP in heterosexual communities

Neisseria gonorrhea The pharynx is a common site of gonorrhoea among men who have sex with men (MSM) and may serve as a reservoir for infection, with saliva implicated in transmission possibly through oral sex, kissing, and rimming. Reducing sexual activities involving saliva may reduce pharyngeal gonorrhoea. This study aimed to explore MSM's views and knowledge of pharyngeal gonorrhoea and their willingness to change saliva transmitting sexual practices. MSM were also asked their views on using alcohol-containing mouthwash to potentially reduce transmission. Using a qualitative descriptive approach, 30 MSM who were part of a larger study (GONE) conducted at the Melbourne Sexual Health Centre agreed to take part in semi-structured interviews between 14th May and 8th September 2015. The 10 interviews conducted face to face and 20 by telephone, lasted between 20–45 minutes. Data were analysed using qualitative content analysis. Most men considered pharyngeal gonorrhoea to be a nonserious sexually transmitted infection and attributed transmission primarily to oral sex. Almost all men reported they would not stop kissing, oral sex, or consider using condoms for oral sex to reduce their risk of pharyngeal gonorrhoea. Kissing and oral sex were commonly practised and considered enjoyable low risk sexual activities. Men were more likely to consider stopping sexual activities they did not enjoy or practice often, in particular insertive rimming. If proven effective, the majority of men reported they would use alcohol-containing mouthwash to reduce or prevent their risk of pharyngeal gonorrhoea. Findings from this study suggest MSM are unlikely to stop saliva transmitting sexual practices they enjoy and consider low risk. Men would, however, consider using alcohol-containing mouthwash if found to be effective, highlighting the importance of exploring innovative strategies to reduce pharyngeal gonorrhoea.

17

Publications

- 1. Wilkinson AL, Pedrana AE, El-Hayek C, Vella AM, Asselin J, Batrouney C, Fairley CK, Read TRH, Hellard M, Stoové M. The impact of a social marketing campaign on HIV and sexually transmissible infection testing among men who have sex with men in Australia. Sexually Transmitted Diseases 2016; 43(1):49-56. doi: 10.1097/OLQ.0000000000380
- 2. Chow EPF, Dutt K, Fehler G, Denham I, Chen MY, Batrouney C, Peel J, Read TRH, Bradshaw CS, Fairley CK. Duration of syphilis symptoms at presentations in men who have sex with men in Australia: are current public health campaigns effective? Epidemiology and Infection 2016; 144(1):113-122 doi:10.1017/S0950268815001168
- 3. Su S, Chow EPF, Muessig KE, Yuan L, Tucker JD, Zhang X, Ren J, Fairley CK, Jing J, Zhang L. Sustained high prevalence of viral hepatitis and sexually transmissible infections among female sex workers in China: a systematic review and meta-analysis. BMC Infectious Diseases 2016; 16:83 doi: 10.1186/s12879-015-1322-0
- 4. Smith K, Kaldor J, Hocking JS, Jamil M, McNulty A, Read P, Bradshaw CS, Chen MY, Fairley CK, Wand H, Worthington K, Blake S, Knight V, Rawlinson W, Saville M, Tabrizi S, Garland S, Donovan B, Guy R. The acceptability and cost of a home-based chlamydia retesting strategy: findings from the REACT randomised controlled trial. BMC Public Health 2016; 16:83. doi:10.1186/s12889-016-2727-4
- 5. Towns JM, Leslie DE, Denham I, Azzato F, Fairley CK, Chen MY. Painful and multiple anogenital lesions are common in men with Treponema pallidum PCR-positive primary syphilis without Herpes simplex virus co-infection: a cross sectional clinic based study. Sexually Transmitted Infections 2016; 92(2):110-115 doi: 10.1136/sextrans-2015-052219
- 6. Lau A, Sparks S, Tomnay J, Temple-Smith M, Fairley CK, Guy JR, Donovan R, Hocking JS. Sociodemographic and structural barriers to being tested for chlamydia in general practice. Medical Journal of Australia 2016; 204(3): 112.e1 to 112.e5. doi: 10.5694/mja15.00933
- 7. Bilardi J, Walker S, Mooney-Sommers J, Temple-Smith M, McNair R, Bellhouse C, Fairley CK, Chen MY, Bradshaw CS. Women's views and experiences for the triggers for the onset of Bacterial Vaginosis and exacerbating factors associated with recurrence. PLoS ONE2016; 11(3): e0150272. doi:10.1371/journal.pone.0150272
- Ong J, Fairley CK, Carroll S, Walker S, Chen M, Read T, Bradshaw C, Grulich A, Kaldor J, Clarke P. Cost-effectiveness of screening for anal cancer using regular digital ano-rectal examinations in men who have sex with men living with HIV. Journal of International AIDS Society 2016; 19:20514. doi: 10.7448/IAS.19.1.20514
- 9. Bilardi J, Walker S, McNair R, Mooney-Sommers J, Temple-Smith M, Bellhouse C, Fairley CK, Chen MY, Bradshaw CS. Women's management of recurrent bacterial vaginosis and experiences of clinical care: A qualitative study. PLoS ONE 2016; 11(3): e0151794. doi:10.137/journal.pone.0151794
- 10. Chow EPF, Cornelisse VJ, Read TRH, Hocking JS, Walker S, Chen MY, Bradshaw CS, Fairley CK. Risk practices in the era of smartphone apps for meeting partners: a cross-sectional study among men who have sex with men in Melbourne, Australia. AIDS Patients Care and STDs 2016; 4(30): 151-154. doi:10.1089/apc.2015.0344
- 11. Cornelisse V, Fairley CK, Roth N. Optimising healthcare for men who have sex with men: A role for general practitioners. Australian Family Physician 2016; 45(4): 182-185
- 12. Dodson S, Klassen KM, McDonald K, Millard T, Osborne RH, Battersby MW, Fairley CK, Simpson JA,

Lorgelly P, Tonkin A, Roney J, Slavin S, Sterjovski J, Brereton M, Lewin SR, Crooks L, Watson J, Kidd MR, Williams I, Elliott JH. HealthMap: a cluster randomised trialof interactive health plans and selfmanagement support to prevent coronary heart disease in people with HIV. BMC Infectious Diseases 2016; 16:114 doi: 10.1186/s12879-016-1422-5

- 13. Graham S, Watchirs-Smith L, Fairley CK, Hocking J. Prevalence of chlamydia, gonorrhoea, syphilis and trichomonas in Aboriginal and Torres Strait Islander Australians: a systematic review and metaanalysis. Sexual Health 2016; 13(2): 99-113 doi: 10.1071/SH15171
- 14. Samaraweera GR, Garcia K, Druce J, Williams H, Bradshaw CS, Fairley CK, Chow EPF, Denham IM, Read TRH, Chen MY. Characteristics of adenovirus among heterosexual men and men who have sex with men: a review of clinical cases. Sexually Transmitted Infections 2016; 92(3): 172-174 doi: 10.1136/sextrns-2015-052243
- 15. Roberts JM, Jin F, Ekman D, Adams MK, McDonald RL, Thurloe JK, Richards A, Poynten IM, Law C, Fairley CK, Hillman RJ, Tabrizi SN, Cornall AM, Templeton DJ, Garland SM, Grulich AE, Farnsworth A. Is There a Role for the ThinPrep Imaging System in Reporting Anal Cytology? Diagnostic Cytopathology 2016; 44(5): 384-388 doi: 10.1002/dc.23451
- 16. Bissessor M, Tabrizi S, Bradshaw C, Fairley CK, Hocking J, Garland SM, Twin J, Poljak M, Peel J, Chen M. The contribution of Mycoplasma genitalium to the aetiology of sexually acquired infectious proctitis in men who have sex with men. Clinical Microbiology and Infection 2016; 22(3): 260-265 doi: 10.1016/j.cmi.2015.11.016
- 17. Cheung KT, Fairley CK, Read TRH, Denham I, Fehler G, Bradshaw CS, Chen MY, Chow EPF. HIV incidence and predictors of incident HIV among men who have sex with men attending a sexual health clinic in Melbourne, Australia. PLoS ONE 2016; 11(5):e0156160. doi:10.1371/journal.pone.0156160
- Tabrizi SN, Tan LY, Walker S, Twin J, Poljak M, Bradshaw CS, Fairley CK, Bissessor M, Mokany E, Todd AV, Garland SM. Multiplex assay for simultaneous detection of Mycoplasma genitalium and macrolide resistance using PlexZyme and PlexPrime technology. PLoS One 2016; 11(6): e0156740. doi:10.1371/journal.pone.0156740
- 19. Audsley J, Bent SJ, Littlejohn M, Avihingsanon A, Matthews GV, Bowden S, Bayliss J, Luciani F, Yuen L, Fairley CK, Locamini S, Lewin SR, Sasadeusz J. Effects of long-term Tenofovir-based cART in HIV-HBV co-infection on persistent HBV viremia and the role of HBV quasispecies diversity. AIDS 2016; 30(10):1597-1606 doi: 10.1097/QAD.000000000001080
- 20. Klassen KM, Fairley CK, Kimlin MG, Hocking J, Kelsall L, Ebeling PR. Vitamin D deficiency is common in HIV-infected southern Australian adults. Antiviral Therapy. 2016; 21(2): 117-125. doi:10.3851/ IMP2983
- 21. Klassen KM, Kimlin MG, Fairley CK, Emery S, Anderson PH, Ebeling PR. Associations between vitamin D metabolites, antiretroviral therapy and bone mineral density in people with HIV. Osteoporosis International. 2016. 27(5): 1737-1745. doi: 10.1007/s00198-015-3432-3
- 22. Ong JJ, Chen M, Hocking J, Fairley CK, Carter R, Bulfone L, Hseuh A. Chlamydia screening for pregnant women aged 16 to 25 years attending an antenatal service: a cost-effectiveness study. BJOG 2016; 123(7): 1194-1202 doi: 10.1111/1471-0528.13567
- 23. Ong JJ, Grulich AE, Walker S, Hoy J, Read TRH, Bradshaw CS, Garland SM, Hillman R, Templeton D, Hocking JS, Eu B, Tee BK, Fairley CK. Baseline findings from the Anal Cancer Examination (ACE) study: screening using digital ano-rectal examination in HIV-positive men who have sex with men: baseline findings from the Anal Cancer Examination (ACE) study. Journal of Medical Screening 2016; 23(2): 70-76. doi:10.1177/0969141315604658
- 24. Rane V, Tomnay J, Fairley CK, Read T, Bradshaw C, Carter T, Chen M. Opt-Out referral of men who have sex with men newly diagnosed with HIV to partner notification officers. Sexually Transmitted Diseases 2016; 43(6): 341-345. doi: 10.1097/OLQ.000000000000449

- 25. Zou H, Tabrizi SN, Grulich AE, Hocking JS, Garland SM, Bradshaw CS, Cornall AM, Fairley CK, Chen MY. Antibody responses following incident anal and penile infection with human papillomavirus in teenage men who have sex with men. International Journal of Cancer 2016; 139(3): 639-646. doi: 10.1002/ijc.30093
- 26. Cornelisse VJ, Fairley CK, Chen MY, Bradshaw CS, Chow EPF. Summer heat: A cross-sectional analysis of seasonal differences in sexual behaviour and sexually transmissible diseases in Melbourne, Australia. Sexually Transmitted Infections 2016; 92(4): 286-291 10.1136/sextrans-2015-052225
- 27. Fairley CK, Ong J, Chow EPF. Epidemics of STIs; ask why. Sexually Transmitted Infections 2016; 92(5):329-330 doi:10.1136/sextrans-2015-052235
- 28. Chow EPF, Lee D, Tabrizi SN, Phillips S, Snow A, Cook S, Howden BP, Petalotis I, Bradshaw CS, Chen MY, Fairley CK. Detection of Neisseria gonorrhoeae in the pharynx and saliva: Implications for gonorrhoea transmission. Sexually Transmitted Infections 2016; 92(5): 347-349. doi: 10.1136/ sextrans-2015-052399
- 29. Ong JJ, Chen MY, Tabrizi SN, Grulich AE, Cornall A, Garland SM, Jin F, Tee BK, Eu B, Fairley CK. Anal HPV detection in men who have sex with men living with HIV who report no recent anal sexual behaviours: baseline analysis of the Anal Cancer Examination (ACE) study. Sexually Transmitted Infections 2016; 92(5): 368-370 doi:10.1136/sextrans-2015-052121
- 30. Li B, Bi P, Waddell R, Chow EPF, Donovan B, McNaulty A, Fehler G, Loff B, Shahkhan H, Fairley CK. Was an epidemic of gonorrhoea amongst heterosexuals attending an Adelaide sexual health services associated with variations in sex work policing policy? Sexually Transmitted Infections 2016; 92(5): 377-379 doi: 10.1136/sextrans-2014-051918
- 31. Tan WS, Chow EPF, Fairley CK, Chen MY, Bradshaw CS, Read TRH. Sensitivity of HIV rapid tests compared to fourth-generation enzyme immunoassays or HIV RNA Tests. AIDS 2016; 30 (12):1951–1960 doi:10.1097/QAD.0000000001134
- 32. Cornelisse VJ, Fairley CK, Roth NJ. HIV amongst men who have sex with men: A role for general practitioners. Australian Family Physician 2016; 45(4): 182-185
- 33. Regan DG, Wood JG, Benevent C, Ali H, Smith LW, Robertson PW, Ferson MJ, Fairley CK, Donovan B, Law MG. Estimating the critical immunity threshold for preventing hepatitis A outbreaks in men who have sex with men. Epidemiology & Infection 2016; 144(7):1528-37 doi:10.1017/S0950268815002605
- 34. Chow EPF, Camilleri S, Ward C, Huffam S, Chen MY, Bradshaw CS, Fairley CK. Duration of gonorrhoea and chlamydia infection at the pharynx and rectum among men who have sex with men: a systematic review. Sexual Health 2016;13(3):199-201 doi: 10.1071/SH15175
- 35. Jin F, Grulich AE, Poynten M, Hillman RJ, Templeton DJ, Law C, Farnsworth A, Garland SM, Fairley CK, Roberts J. The performance of anal cytology as a screening test for anal high-grade squamous intraepithelial lesions in homosexual men. Cancer Cytopathology 2016; 124(6):415-24. doi: 10.1002/cncy.21702
- 36. Machalek DA, Poynten IM, Jin F, Hillman RJ, Templeton DJ, Law C, Roberts JM, Tabrizi SN, Garland SM, Farnsworth A, Fairley CK, Grulich AE, on behalf of the SPANC study team . A composite cytologyhistology endpoint allows a more accurate diagnosis estimate of anal high grade squamous intraepithelial lesion prevalence. Cancer Epidemiology, Biomarkers & Prevention 2016; 25(7): 1134-1143 doi:10.1158/1055-9965.EPI-15-1106
- 37. Kong FSK, Tabrizi SN, Fairley CK, Phillips S, Fehler GH, Law M, Vodstrcil LA, Chen MY, Bradshaw CS, Hocking JS. Higher organism load associated with failure of azithromycin to treat rectal chlamydia. Epidemiology and Infection 2016; 144(12): 2587-2596. doi:10.1017/S0950268816000996
- 38. Tabrizi SN, Costa AM, Lowe P, Bradshaw CS, Fairley CK, Garland SN. Evaluation of the Hologic Panther[®] transcription mediated amplification assay for detection of Mycoplasma genitalium.

Journal of Clinical Microbiology 2016; 54(8):2201-2203 doi: 10.1128/JCM.01038-16

- 39. Falcão JRSP, Bradshaw CS, Garrett CC, Bilardi JE, Chen MY, Zablotska I, Fairley CK, Williams H. Views of HIV-negative partners in heterosexual serodiscordant relationships regarding HIV pre-exposure prophylaxis: a qualitative study. Sexual Health 2016; 13(4): 345-352c doi: 10.1071/SH15143
- 40. Chow EPF, Fairley CK. Assortative sexual mixing among heterosexuals in Australia: implications for herd protection in males from a female human papillomavirus vaccination program. Sexual Health 2016; (Letter) 13(4): 395-396. doi: 10.1071/SH15246
- 41. Chow EPF, Fairley CK. Association between sexual mixing and genital warts in heterosexual men in Australia: the herd protection from the female human papillomavirus vaccination program. Sexual Health (Letter) 2016; 13(5): 489-490 doi: 10.1071/SH16053
- 42. Wilkinson AL, El-Hayek C, Spelman T, Fairley CK, Leslie D, McBryde ES, Hellard M, Stoove M. A 'test and treat' prevention strategy in Australia requires innovative HIV testing models: a cohort study of repeat testing among 'high-risk' men who have sex with men. Sexually Transmitted Infections 2016; 92(6): 434-466 doi: 10.1136/sextrans-2015-052421
- 43. Mesher D, Soldan K, Lehtinen M, Beddows S, Brisson M, Brotherton JML, Chow EPF, Cummings T, Drolet M, Fairley CK, Garland SM, Kahn JA, Kavanagh K, Markowitz L, Pollock KG, Söderlund-Strand A, Sonnenberg P, Tabrizi SN, Tanton C, Unger E,Thomas SL. Population-Level Effects of Human Papollomavirus Vaccination Programs on Infections with Nonvaccine Genotypes. Emerging Infectious Diseases 2016; 22(10):1732-1740 doi:10.3201/eid2210.160675
- 44. Mulhall BP, Wright ST, De La Mata N, Allen DAI, Brown K, Dickson B, Grotowski M, Jackson E, Petoumenos K, Foster R, Read T, Russell D, Smith DJ, Templeton DJ, Fairley CK, Law MG. Risk factors associated with incident sexually transmitted infections in the Australian HIV Observational Database: a prospective cohort study. HIV Medicine 2016;17(8):623-30. doi: 10.1111/hiv.12371
- 45. Yong YK, Shankar EM, Solomon A, Spelman T, Fairley CK, Elliott J, Hoy J, Cameron P, Kamarulzaman A, Lewin SR. Polymorphisms in the CD14 and TLR4 genes independently predict CD4+ T-cell recovery in HIV-infected individuals on antiretroviral therapy. AIDS 2016; 30(14):2154-2168 doi: 10.1097/QAD.00000000001179
- 46. Tan WS, Chen MY, Ivan M, Stone K, Rane V, Fairley CK, Ong JJ. Partner notification outcomes for men who have sex with men diagnosed with syphilis referred to partner notification officers, Melbourne, Australia. Sexually Transmitted Diseases 2016; 43(11): 685-689 doi:10.1097/OLQ.00000000000512
- 47. Hocking JS, Temple-Smith M, van Driel M, Law M, Guy R, Bulfone L, Wood A, Low N, Donovan B, Fairley CK, Kaldor J, Gunn J. Can preventive care activities in general practice be sustained when financial incentives and external audit plus feedback are removed? ACCEPt-able: a cluster randomised controlled trial protocol. Implementation Science 2016; 11(1):122. doi: 10.1186/s13012-016-0489-0
- 48. Chow EPF, Tabrizi SN, Phillips S, Lee DM, Bradshaw CS, Chen MY, Fairley CK. Neisseria gonorrhoeae bacterial DNA load in the pharynx and saliva of men who have sex with men. Journal of Clinical Microbiology 2016; 54(10): 2485-2490. doi:10.1128/JCM.01186-16
- 49. Cornelisse VJ, Fairley CK, Walker S, Young T. Lee D, Chen MY, Bradshaw CS, Chow EPF. Adherence to, and acceptability of, Listerine[®] mouthwash as a potential preventive intervention for pharyngeal gonorrhoea among men who have sex with men in Australia: a longitudinal study. Sexual Health 2016; (Letter) 13(5): 494–496 doi: 10.1071/SH16026
- 50. Leeyaphan C, Ong J, Chow E, King F, Hocking J, Bissessor B, Fairley CK, Chen MY. Systematic review and meta-analysis of doxycycline efficacy for rectal lymphogranuloma venereum in men who have sex with men. Emerging Infectious Diseases 2016; 22(10): 1778-1784 doi: 10.3201/eid2210.160986
- 51. Tunley S. Herd protection from the female HPV vaccination programme. Lancet Infectious Diseases 2016; 16(12): 1333-1334. doi: 10.1016/S1473-3099(16)30461-3

- 52. Chow EPF, Danielewski J, Fairley CK. Herd protection from the female HPV vaccination programme – Authors' reply. Lancet Infectious Diseases 2016; 16(12): 1334-1335 doi: 10.1016/S1473-3099(16)30468-6
- 53. Mannion PK, Fairley CK, Fehler G, Tabrizi SN, Tan WS, Chen MY, Bradshaw CS, Chow EPF. Trends in gonorrhoea positivity by nucleic acid amplification test versus culture among Australian heterosexual men with a low prevalence of gonorrhoea, 2007-2014. Sexually Transmitted Infections 2016; 92(8):625-628. doi: 10.1136/sextrans-2015-052246
- 54. Yong KY, Cameron PU, Spelman T, Elliott JH, Fairley CK, Boyle J, Miyamasu M, Lewin SR. Quantifying immune activation in HIV-infected patients using a novel high throughput assay to measure both adaptive and innate responses. PLoS One 2016; 11(12):e0166549 doi.org/10.1371/journal. pone.0166549
- 55. Chow EPF, Cornelisse VJ, Read TRH, Lee D, Walker S, Hocking JS, Chen MY, Bradshaw CS, Fairley CK. Saliva use as a lubricant for anal sex is a risk factor for rectal gonorrhoea among men who have sex with men, a new public health message: a cross sectional survery. Sexually Transmitted Infections 2016; 92 (7): 532-536 doi:10.1136/sextrans-2015-052502
- 56. Goller JL, De Livera A, Fairley CK, Guy R, Bradshaw CS, Chen MY, Simpson JA, Hocking JS. Population attributable fraction of pelvic inflammatory disease associated with chlamydia and gonorrhoea: a cross-sectional analysis of Australia sexual health clinic data. Sexually Transmitted Infections 2016; 92 (7): 525-531 doi:10.1136/sextrans-2015-052195
- 57. Li B, Chow EPF, Donovan B, McNaulty A, Ward A, Bell C, Fairley CK. Seasonal variation in gonorrhoea incidence among men who have sex with men. Sexual Health 2016; 13(6): 589 592 doi: 10.1071/SH16122
- 58. Ong JJ, Landika A, Bradshaw CS, Chen MY, Read TRH, Chow EPF, Fairley CK. Characteristics, sexual practices and sexually transmitted infections diagnoses of men who have sex with men who use non-occupational HIV post-exposure prophylaxis in Victoria, Australia. Sexual Health 2016; 13 (6) 555 559 doi: 10.1071/SH16092
- 59. Trembizki E, Wand H, Donovan B, Chen MY, Fairley CK, Freeman K, Guy R, Kaldor JM, Lahra MM, Lawrence A, Pearson J, Regan DG, Ryder N, Smith H, Stevens K, Su JY, Ward J, Whiley DM. Neisseria gonorrhoeae strain and antimicrobial resistance potential: a national molecular study, Australia, 2012. Clinical Infectious Diseases 2016; 63 (12): 1591-1598 doi 10.1093/cid/ciw648
- 60. NA Medland, L Mao, L Crooks, J de Wit. Obstacles to prescribers' initiation early antiretroviral therapy: a barrier to achieving 90-90-90 goals. The Lancet 2016; HIV 3 (12), e559-e560
- 61. Chow EPF, Machalek DA, Tabrizi SN, Danielewski JA, Fehler G, Bradshaw CS, Garland SM, Chen MY, Fairley CK. Quadrivalent vaccine-targeted human papillomavirus genotypes in heterosexual men after the Australian female human papillomavirus vaccination programme: a retrospective observational study. Lancet Infectious Diseases 2017; 17(1): 68–77. doi: 10.1016/S1473-3099(16)30116-5
- 62. So JLT, Chow EPF, Cattermole GN, Graham CA, Rainer TH. A comparison of the performance of different age-based paediatric weight estimation formulae in Hong Kong children. Hong Kong Journal of Emergency Medicine 2016; 23(1): 3-12
- 63. So JLT, Chow EPF, Cattermole GN, Graham CA, Rainer TH. Finger counting method is more accurate than weight estimation formulae in estimating the weight of children presenting to the emergency department. Emergency Medicine Australasia 2016; 28(6): 691-697.
- 64. Zeng H, Chow EPF, Zhao Y, Wang Y, Yang M, Li L, Tang X, Liu X, Zhong Y, Lo YR, Zhang L. Prevention of mother-to-child HIV transmission cascade in China: a systematic review and meta-analysis. Sexually Transmitted Infections 2016; 92(2): 116-123.



- 65. Li T, Xian Y, Mao HM, Jiang WJ, Zhang L, Chow EPF, Huang JP, Lu YH, Tian T, Jiang SY, Zhuang X. Prevalence, awareness, treatment and control of hypertension among Chinese rural population in Haimen, Jiangsu. Journal of Human Hypertension 2016; 30(4): 225-30.
- 66. Li H, Li X, Zhang L, Chow E. Effects of multiple types of stigma on the probability of HIV disclosure to sex partners: a systematic review. Sexual Health 2016; 13(6): 516-529.
- 67. Buckley C, Trembizki E, Donovan B, Chen M, Freeman K, Guy R, Lahra M, Kundu R, Regan D, Smith HV, Whiley DM. Real-time PCR detection of Neisseria gonorrhoeae susceptibility to penicillin. Journal of Antimicrobial Chemotherapy 2016; 71: 3090-95.
- 68. Chen MY, Langan S, Benchimol EI. Routinely-collected electronic health data, STI research and the RECORD extension to the STROBE guidelines. Sexually Transmitted Infections 2016; 92: 2-3.
- 69. Buckley C, Trembizki E, Donovan B, Chen M, Freeman K, Guy R, Kundu R, Lahra M, Regan D, Smith H, Whiley D. A real-time PCR assay for direct characterization of the Neisseria gonorrheae GyrA 91 locus associated with ciprofloxacin susceptibility. Journal of Antimicrobial Chemotherapy 2016; 71(2): 353-6.
- 70. Wen Shi Lee, Jonathan Richard, Marit Lichtfuss, Amos B Smith, Jongwoo Park, Joel R Courter, Bruno N Melillo, Joseph G Sodroski, Daniel E Kaufmann, Andrés Finzi, Matthew S Parsons, Stephen J Kent. Antibody-dependent cellular cytotoxicity against reactivated HIV-1-infected cells. 2016; J of Virology, 90(4): 2022 – 2030
- 71. Joshua J Glass, Daniel Yuen, James Rae, Angus PR Johnston, Robert G Parton, Stephen J Kent and Robert De Rosea. Human immune cell targeting of protein nanoparticles – caveospheres. The Royal Society of Chemistry 2016; DOI: 10.1039/c6nr00506c
- 72. Fernanda Ana-Sosa-Batiz, Hillary Vanderven, Sinthujan Jegaskanda, Angus Johnston, Steven Rockman, Karen Laurie, Ian Barr, Patrick Reading, Marit Lichtfuss, Stephen J Kent. Influenza-specific Antibody-dependent phagocytosis. PLOS ONE 2016; DOI:10.1371/journal.pone.0154461
- 73. Sarah B Lloyd, Marit Lichtfuss, Thakshila H Amarasen, Sheilajen Alcantara, Robert De Rose, Gilda Tachedjian, Hamid Alinejad-Rokny, Vanessa Venturi, Miles P Davenport, Wendy R Winnall, Stephen J Kent. High fidelity simian immunodeficiency virus reverse transcriptase mutants have impaired replication in vitro and in vivo. Virology 2016; 492(2016)1–10
- 74. Anne B Kristensen, William N Lay, Fernanda Ana-Sosa-Batiz, Hillary A Vanderven, Vijaya Madhavi, Karen L Laurie, Louise Carolan, Bruce D Wines, Mark Hogarth, Adam K Wheatley, Stephen J Kent. Antibody Responses with Fc-mediated functions after vaccination of HIV-infected subjects with trivalent influenza vaccine. Journal of Virology 2016; 90 (12) doi:10.1128/JVI.00285-16
- 75. Hyon-Xhi Tan, Brad P Gilbertson, Sinthujan Jegaskanda, Sheilajen Alcantara, Thakshila Amarasena, John Stambas, Julie L McAuley, Stephen J Kent, Robert De Rose Recombinant influenza virus expressing HIV-1 p24 capsid protein induces mucosal HIV-specific CD8 T-cell responses. Vaccine 2016; 34: 1172 - 1179

Ahead of Print

- 76. Bissessor M, Bradshaw CS, Fairley CK, Chen MY, Chow EPF. Provision of HIV test results by telephone is both safe and efficient for men who have sex_with men. Int J STD AIDS 2017; 28(1):39-44. doi: 10.1177/0956462415623912
- 77. Goller JL, De Livera A, Fairley CK, Guy R, Bradshaw CS, Chen MY, Simpson JA, Hocking JS. Characteristics of pelvic inflammatory disease where no sexually transmitted infection is identified: a cross-sectional analysis of routinely collected sexual health clinic data. Sexually Transmitted Infections doi:10.1136/sextrans-2016-052553
- 78. Chow EPF, Read TRH, Law MG, Chen MY, Bradshaw CS, Fairley CK. Assortative sexual mixing patterns in male-female and male-male partnerships in Melbourne, Australia: implications for HIV and

sexually transmitted infection transmission. Sexual Health. doi: 10.1071/SH16055

- 79. Bellhouse C, Walker S, Fairley CK, Vodstrcil LA, Bradshaw CS, Chen MY, Chow EPF. Patterns of sexual behaviour and sexual health care needs among transgender individuals in Melbourne, Australia, 2011-2014. Sexually Transmitted Infections doi:10.1136/sextrans-2016-052710
- 80. Christopher K. Fairley, Huachun Zou, Lei Zhang and Eric P. F. Chow. Human papillomavirus vaccination in men who have sex with men what will be required by 2020 for the same dramatic changes seen in heterosexuals. Sexual Health doi.org/10.1071/SH16067
- 81. Trembizki E, Wand H, Donovan B, Chen MY, Fairley CK, Freeman K, Guy R, Kaldor J, Lahra MM, Lawrence M, Pearson J, Regan D, Ryder N, Smith H, Stevens K, Su JY, Ward J, Whiley DM. The molecular epidemiology and antimicrobial resistance of Neisseria gonorrhoeae in Australia: a nationwide cross-sectional study. Clinical Infectious Diseases. doi: 10.1093/cid/ciw648
- 82. Read TRH, Fairley CK, Tabrizi SN, Bissessor M, Vodstrcil L, Chow EPF, Grant M, Danielewski J, Garland SM, Hocking JS, Chen MY, Bradshaw CS. Azithromycin 1.5g over five days compared to 1g single dose in urethral Mycoplasma genitalium: impact on treatment outcome and resistance. Clinical Infectious Diseases doi:10.1093/cid/ciw719
- 83. Li B, Bi P, Ward A, Bell C, Fairley CK. Trends and predictors of recent HIV testing over 22 years among a clinic sample of men who have sex with men in South Australia. Sexual Health doi.org/10.1071/SH16091
- 84. Machalek DA, Chow EPF, Garland SM, Wigan R, Cornall AM, Fairley CK, Kaldor JM, Hocking JS, Williams H, McNulty A, Bell C, Marshall L, Ooi C, Chen MY, Tabrizi SN. Human papillomavirus prevalence in unvaccinated heterosexual males following a national female vaccination program. Journal of Infectious Diseases doi: 10.1093/infdis/jiw530
- 85. Jamil M, Bavinton B, Fairley CK, Grulich AE, Holt M, Smith K, Chen MY, McNaulty A, Conway D, Keen P, Bradley J, Russell D, Kaldor J. HIV testing self-efficacy is associated with higher HIV testing frequency and perceived likelihood to self-test among gay and bisexual. Sexual Health doi.org/10.1071/ SH16075
- 86. Chow EPF, Howden BP, Walker S, Lee D, Bradshaw CS, Chen MY, Snow A, Cook S, Fehler G, Fairley CK. Antiseptic mouthwash against pharyngeal Neisseria gonorrhoeae: a randomised controlled trial and an in-vitro study. Sexually Transmitted Infections doi 10.1136/sextrans 2016 052753
- 87. Fairley CK, Hocking JS, Zhang L, Chow EPF. Transmission of gonorrhoea in men who have sex with men; why it is common. Emerging Infectious Diseases 2017; 23 (1) 102 104 doi.org/10.3201/eid2301.161205
- 88. Cornelisse VJ, Chow EPF, Huffam S, Fairley CK, Bissessor M, De Petra V, Howden BP, Denham I, Bradshaw CS, Williamson D, Chen MY. Increased detection of pharyngeal and rectal gonorrhea in men who have sex with men following transition from culture to nucleic acid amplification testing. Sexually Transmitted Diseases doi: 0.1097/OLQ.000000000000553
- 89. Cornelisse V, Sherman C, Hocking JS, Williams H, Zhang L, Chen MY, Bradshaw CS, Bellhouse C, Fairley CK, Chow EPF. Concordance of chlamydia infections of the rectum and urethra in same-sex male partnerships: A cross-sectional analysis. BMC Infectious Diseases 2017. 17:22 doi: 10.1186/ s12879-016-2141-7
- 90. Joshua J Glass, Stephen Kent, and Robert De Rose. Enhancing dendritic cell activation and HIV vaccine effectiveness through nanoparticle vaccination. Expert Review of Vaccines 2016; dx.doi. org/10.15

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Staff

The continuing successes enjoyed by MSHC hinge on the ongoing enthusiasm and dedication shown by its multidisciplinary team. The professionalism and commitment of all staff of MSHC is reflected in the Annual Client Surveys which have recorded overall satisfaction rates of approximately 97-99% since 2005 (see Annual Client Survey).

Staff Members

Administration and Computer Services

Afrizal Suzanne Amisano Lucy Beaton Alison Clough Fleur Glenn David Johnston Jun Kit Sze Karen Kon Sharon Noronho Cecily Sheppard Maggie Vandeleur Wendy Zeng

Operations Manager Patient Services Officer Patient Services Officer Patient Services Officer Patient Services Officer IT Systems, Support & Development Officer Patient Services Co-ordinator Patient Services Officer Patient Services Officer Patient Services Officer Patient Services Officer Patient Services Officer

IT Systems and Support Officer

Other Support

Mark ChungMultimedia Content Co-ordinatorDeanne de SilvaPurchasing and Resources OfficerGlenda FehlerClinical Project ManagerJames UngerPersonal Assistant to Director

Clinical Services - Medical

Ei Aung Doctor **Karen Berzins** Doctor Melanie Bissessor Doctor **Catriona Bradshaw** Doctor Andrew Buchanan Doctor Marcus Chen Doctor, Medical Unit Manager Kathy Cook Doctor Ian Denham Doctor **Christopher Fairley** Professor/Director **Kath Fethers** Doctor Helen Henzell Doctor **Kirsty McNab** Doctor Alex Marceglia Doctor Nick Medland Doctor Anna Morton Doctor **Jason Ong** Doctor Tim Read Doctor **Stephen Rowles** Doctor

Hennie Williams	Doctor, Senior Lecturer
Tina Schmidt	Doctor
Richard Teague	Doctor
Janet Towns	Doctor
Robin Tideman	Doctor
Seenivasagam Yoganathan	Doctor

Clinical Services - Nursing

Surbhi Bird Sexual Health Clinic Support Nurse Caroline Cittarelli Sexual Health Clinic Support Nurse Penne Braybrook Sexual Health Nurse Stuart Cook Sexual Health Nurse Sheranne Dobinson Sexual Health Nurse **Michelle Doyle** Sexual Health Nurse Jo Eccles Sexual Health Nurse **Ria Fortune** Nursing Services Manager Candice Fuller Sexual Health Nurse Miekin Grant Sexual Health Nurse Shauna Hall Sexual Health Nurse Counsellor Peter Hayes Sexual Health Nurse Kerri Howley Lisa Kennedy Sexual Health Nurse Abby Knoester Sexual Health Nurse Sexual Health Nurse Practitioner David Lee **Genevieve Lilley** Sexual Health Nurse Lorna Moss Clinical Nursing Co-ordinator Jeannie Nicholson Sexual Health Nurse lan O'Meara Sexual Health Nurse Amy Peachey Sexual Health Nurse Susan Peterson Sexual Health Nurse Kate Potappel Sexual Health Nurse Anne Reid Sexual Health Nurse **Carly Schreiber** Sexual Health Nurse Sexual Health Nurse Practitioner Anthony Snow Sexual Health Nurse Mee Tan Sexual Health Nurse Haiping Tang Sexual Health Nurse Mark Thompson Jacinta Tierney Sexual Health Nurse Jocelyn Verry Counsellor Eloise Vicary Sexual Health Nurse Patricia Wakefield Sexual Health Nurse/Clinical Nurse Co-ordinator Leah Ward Sexual Health Nurse Bradley Whitton Sexual Health Nurse Jordan Wotten Sexual Health Nurse Lucy Williamson Sexual Health Nurse Karen Worthington Sexual Health Nurse

HIV Clinic

Jayne Howard Stephen Kent Richard Moore Joe Sasadeusz Ivan Stratov Clinical HIV Co-ordinator Doctor Doctor Doctor Doctor



Jeanette Venkataya Pat

Evaluation Unit

- Jade Bilardi Eric Chow Stuart Cook Vincent Cornelisse Mieken Grant Sarah Huffam Helen Kent **Genevieve Lilley** Kate Maddeford Nick Medland **Tiffany Phillips Tiffany Rose** David Samson Julie Silvers Lenka Vodstrcil Sandra Walker **Rebecca Wigan** Lucy Williamson Lei Zang
- Postdoctoral Research Fellow Postdoctoral Research Fellow **Research Nurse** PhD student Research Nurse Sexual Health and Infectious Disease Physician **Research Nurse Research Nurse Research Nurse** Doctor, PhD student **Research Administration Research Nurse Research Nurse Research Nurse** Postdoctoral Research Fellow Postdoctoral Researcher **Research Nurse Research Nurse** PhD, Master of Applied Mathematics

Laboratory

Liz Fagen	Laboratory Scientist
Catherine Flower	Laboratory Scientist
Kate Frauenfelder	Laboratory Scientist
Irene Kuzevski	Senior Laboratory Scientist
Kathy Petit	Laboratory Scientist

Pharmacy

Ivette Aguirre

Senior Clinical Pharmacist

Long service recognition for staff Members in 2015 and 2016

2015	No. of years	2016	No. of years
Andrew Buchanen	25	Kit Fairley	15
Marcus Chen	10	Glenda Fehler	10
Peter Hayes	30	Lisa Kennedy	10
Stephen Kent	20	Julie Silvers	15
Stephen Rowles	15	Richard Teague	15
Carly Schreiber	10	Robin Tideman	15
Ivan Stratov	10	Jeanette Venkataya	15
Jun Kit Sze	10	Jocelyn Verry	15
James Unger	15		
Hennie Williams	10		

