

Supplemental Table. Studies included in meta-analysis by sexually transmitted infection (STI) with study name, year, number of incidences of infection, and number of person-years followed from 2010 to 2016 for studies on men who have sex with men (MSM) on pre-exposure prophylaxis (PrEP) for human immunodeficiency virus (HIV) and from 1998 to 2016 for studies on MSM without PrEP

Sexually Transmitted Infection	MSM on PrEP				MSM without PrEP			
	Study Name	Year	Incidence of infection	Person-years followed	Study Name	Year	Incidence of infection	Person-years followed
Any Neisseria gonorrhoeae Infection	Preexposure Prophylaxis for HIV Infection Integrated With Municipal- and Community-Based Sexual Health Services (Demo Project)	2016	207	481	PROUD	2016	89	222
	Pre-exposure prophylaxis to prevent the acquisition of HIV-1 infection (PROUD)	2016	192	243	Effects of a behavioural intervention to reduce acquisition of HIV infection among men who have sex with men (EXPLORE)	2004	429	36628
	On-Demand Preexposure Prophylaxis in Men at High Risk for HIV-1 Infection (IPERGAY)	2015	88	431	The prevalence of rectal, urethral, and pharyngeal Neisseria gonorrhoeae and Chlamydia trachomatis among asymptomatic men who have sex with men in a prospective cohort in Washington, D.C.	2009	3	132
	No New HIV Infections With Increasing Use of HIV Preexposure Prophylaxis in a Clinical Practice Setting (Kaiser SF)	2015	184	388	Incidence of sexually transmitted diseases and HIV infection in men who have sex with men related to knowledge, perceived susceptibility, and perceived severity of sexually transmitted diseases and HIV infection: Dutch MSM-Cohort Study	2006	31	570
					Modest rise in chlamydia and gonorrhoea testing did not increase case detection in a clinical HIV cohort	2014	86	5722

					in Ontario, Canada			
Any Chlamydia trachomatis Infection	Demo Project	2016	231	481	PROUD	2016	54	222
	PROUD	2016	131	243	EXPLORE	2004	508	36628
	IPERGAY	2015	81	431	The prevalence of rectal, urethral, and pharyngeal Neisseria gonorrhoeae and Chlamydia trachomatis among asymptomatic men who have sex with men in a prospective cohort in Washington, D.C.	2009	1	132
	Kaiser SF	2015	217	388	Incidence of sexually transmitted diseases and HIV infection in men who have sex with men related to knowledge, perceived susceptibility, and perceived severity of sexually transmitted diseases and HIV infection: Dutch MSM-Cohort Study	2006	52	570
					Modest rise in chlamydia and gonorrhoea testing did not increase case detection in a clinical HIV cohort in Ontario, Canada	2014	80	5722
					Incidence and risk factors associated with chlamydia in men who have sex with men: a cohort analysis of Victorian Primary Care Network for Sentinel Surveillance data	2012	1206	11409
Syphilis	Demo Project	2016	58	481	PROUD	2016	22	222
	PROUD	2016	52	243	EXPLORE	2004	82	36628
	IPERGAY	2015	39	431	Routine brief risk-reduction counseling with biannual STD testing reduces STD incidence among HIV-infected men who have sex with men in care	2012	1	380

Kaiser SF	2015	36	388	Incidence of sexually transmitted diseases and HIV infection in men who have sex with men related to knowledge, perceived susceptibility, and perceived severity of sexually transmitted diseases and HIV infection: Dutch MSM-Cohort Study	2006	1	570
Preexposure chemoprophylaxis for HIV prevention in men who have sex with men	2010	1018	3324	Asymptomatic sexually transmitted infections in HIV-infected men who have sex with men: prevalence, incidence, predictors, and screening strategies	2008	10	188
				Anal sexually transmitted infections and risk of HIV infection in homosexual men	2010	22	5160
				The Effect of High Rates of Bacterial Sexually Transmitted Infections on HIV Incidence in a Cohort of Black and White Men Who Have Sex with Men in Atlanta, Georgia	2015	22	838
				Gender abuse, depressive symptoms, and HIV and other sexually transmitted infections among male-to-female transgender persons: a three-year prospective study	2013	5	316
				High HIV and ulcerative sexually transmitted infection incidence estimates among men who have sex with men in Peru: awaiting for an effective preventive intervention	2009	89	971
				Incidence of HIV and sexually transmitted diseases (STD) in a cohort of HIV-negative men who have sex with men (MSM)	1998	0	523
				Circumcision and risk of sexually transmissible infections in a community-based cohort of HIV-	2009	22	5161

					negative homosexual men in Sydney, Australia			
Any STI	Demo Project	2016	433	481	PROUD	2016	124	222
	PROUD	2016	276	243	EXPLORE	2004	2140	36628
	IPEGAY	2015	148	431	The prevalence of rectal, urethral, and pharyngeal Neisseria gonorrhoeae and Chlamydia trachomatis among asymptomatic men who have sex with men in a prospective cohort in Washington, D.C.	2009	4	132
	Kaiser SF	2015	187	388	Routine brief risk-reduction counseling with biannual STD testing reduces STD incidence among HIV-infected men who have sex with men in care	2012	9	380
					Incidence of sexually transmitted diseases and HIV infection in men who have sex with men related to knowledge, perceived susceptibility, and perceived severity of sexually transmitted diseases and HIV infection: Dutch MSM-Cohort Study	2006	123	570
					Asymptomatic sexually transmitted infections in HIV-infected men who have sex with men: prevalence, incidence, predictors, and screening strategies	2008	39	188