

2020 STI Surveillance Data and COVID-19

STI case numbers in 2020 may be affected by the COVID-19 pandemic. The first stay at home orders for King County were issued near the end of quarter 1 and any observed decreases in STIs maybe be from changes in STI screening and/or changes in sexual behavior during the pandemic.

STI Case Counts

	2021		2022	
	2021Q1	YTD	2022Q1	YTD
Gonorrhea (GC)*	996	996	1137	1137
GC: MSM	394	394	627	627
Urethral GC	98	98	149	149
Rectal GC	223	223	310	310
Pharyngeal GC	173	173	347	347
GC: Women^	279	279	232	232
GC: MSW^	176	176	204	204
GC: Transgender‡	21	21	27	27
Chlamydia (CT)*	2039	2039	1918	1918
CT: Men	907	907	907	907
CT: Women	1115	1115	1000	1000
CT: Transgender‡	8	8	9	9
Total Syphilis (all stages)*	310	310	402	402
Primary and secondary	126	126	146	146
Early latent	97	97	139	139
Late + unk duration	86	86	114	114
Early syphilis: MSM	139	139	162	162
Early syphilis: Women	32	32	48	48
Early syphilis: MSW	22	22	55	55
Early syphilis: Transgender‡	2	2	5	5
Congenital syphilis	1	1	3	3

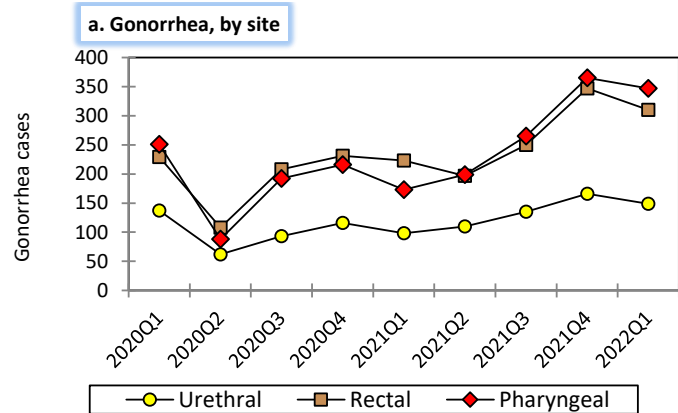
*Column may not equal total due to missing gender or sexual preference data.
^ Genital tract infection
‡ Transgender identity relies on reporting from medical providers and Partner Services Interviews. Data presented here are a potential undercount.

	2020		2021	
	2020Q4	YTD	2021Q4	YTD
Total†	53	197	58	232
MSM	40	142	33	143
Women	5	31	10	35
MSW	1	4	2	10
Transgender‡	1	4	2	10

* Data shown for prior quarter due to reporting delay.
† Column may not equal total due to missing sexual preference data.
‡ Transgender identity relies on review of information documented in medical records and obtained through Partner Services Interviews. Data presented here are a potential undercount.

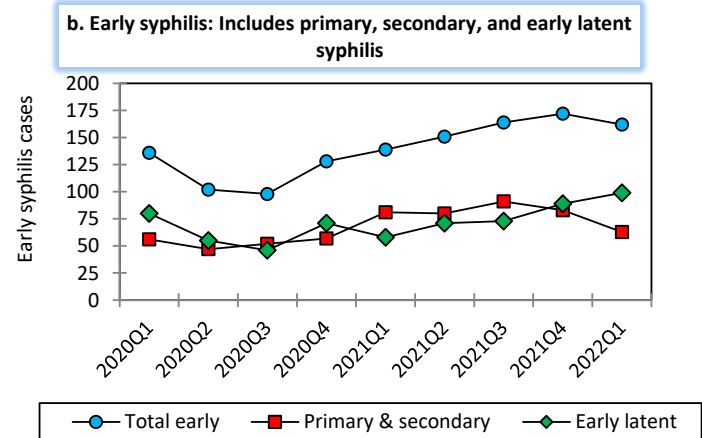
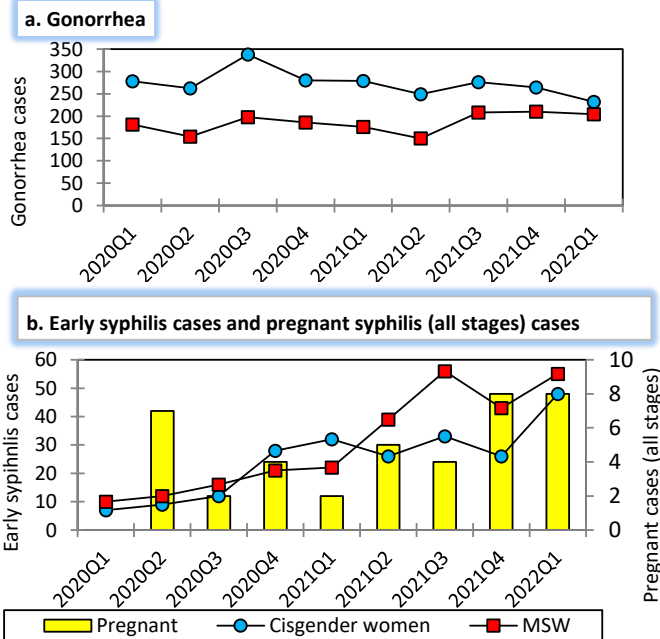
Trends in STI Morbidity

Figure 2: Quarterly King County STI morbidity among MSM**



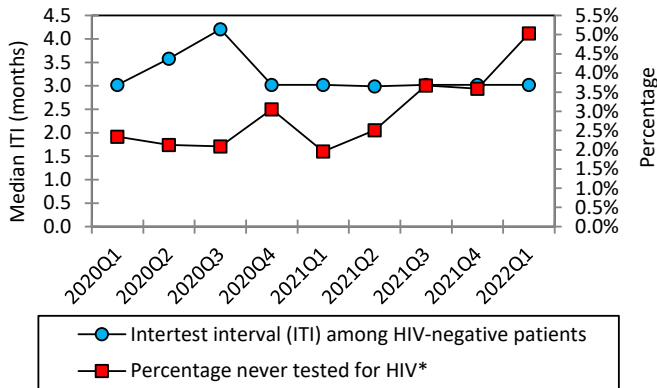
Trends in STI Morbidity

Figure 1: Quarterly King County STI morbidity, women and MSW**



**Footnote: Chlamydia case data on gender of sex partners and anatomic site of infection are incomplete for these time periods. For this reason chlamydia cases are not shown by population.

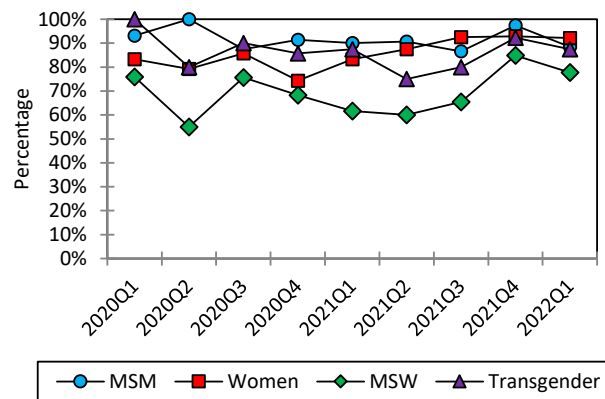
Figure 3: HIV testing among PHSKC Sexual Health Clinic patients, MSM (note different scales)



* Denominator includes patients who reported never testing or negative/unknown results

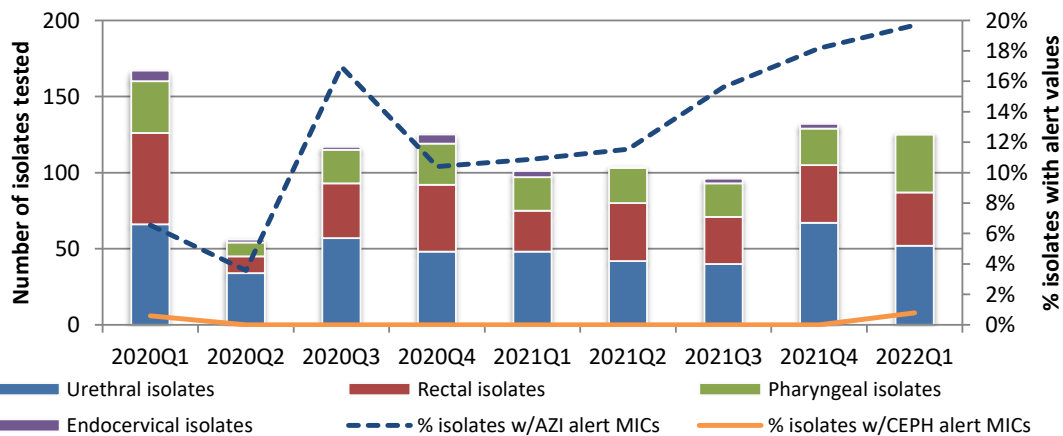
HIV testing should be performed annually on low-risk MSM and quarterly on high-risk MSM^a.

Figure 4: Percentage of King County residents with a bacterial STI tested for HIV (excludes HIV+ residents)



Anyone diagnosed with a bacterial STI should be tested for HIV.

Figure 5: Percentage of SURRG^b isolates with alert values for cephalosporins (CEPH) or azithromycin (AZI) (note scales)



Alert value = Minimum Inhibitory Concentration (MIC, lowest antibiotic concentration needed to halt bacterial growth) is higher than preset thresholds^c. Alert value MICs represent decreased susceptibility to an antibiotic but may not represent resistance.

Footnotes and Abbreviations:

MSM = cisgender men who have sex with men
 MSW = cisgender men who have sex with women
^aHigh-risk = MSM with any one of the following in the prior year: diagnosis of a bacterial STI, methamphetamine or popper use, ≥10 sex partners (anal or oral), or unprotected anal sex with a partner of unknown or discordant HIV status
 Low-risk = sexually active MSM who do not meet high-risk criteria
^bSURRG = Strengthening the U.S. Response to Resistant Gonorrhea Surveillance, supported by the Centers for Disease Control and Prevention
^cAlert values:
 Ceftriaxone MIC ≥ 0.125 µg/ml Cefixime MIC ≥ 0.25 µg/ml
 Azithromycin MIC ≥ 2.0 µg/ml

Table 3: SURRG isolates with alert values for cephalosporins (ceph) or azithromycin (azi)

	2022Q1		YTD	
Unique cases tested*	113		113	
MSM	90		90	
MSW	19		19	
Cisgender Women	4		4	
Transgender	0		0	
Alert cases and % of cases with alert MICs	Azi N (%)	Ceph N (%)	Azi N (%)	Ceph N (%)
Unique alert cases*	21 (19)	1 (1)	21 (19)	1 (1)
MSM	19 (21)	1 (1)	19 (21)	0 (0)
MSW	2 (11)	0 (0)	2 (11)	0 (0)
Cisgender Women	0 (0)	0 (0)	0 (0)	0 (0)
Transgender	0 (-)	0 (-)	0 (-)	0 (-)

* Column may not equal total due to missing sexual preference data