

**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	
	2021Q4	YTD	2022Q4	YTD
Gonorrhea (GC)*	1237	4278	1051	4368
GC: MSM	675	2003	510	2226
Urethral GC	166	509	127	517
Rectal GC	346	1016	236	1041
Pharyngeal GC	364	1001	287	1279
GC: Women^	264	1068	227	941
GC: MSW^	211	745	185	725
GC: Transgender‡	43	120	32	136
Chlamydia (CT)*	1770	7643	1752	7521
CT: Men	853	3550	871	3655
CT: Women	910	4049	865	3815
CT: Transgender‡	7	31	7	33
Total Syphilis (all stages)*	370	1352	413	1706
Primary and secondary	159	606	176	692
Early latent	114	401	91	485
Late + unk duration	93	334	144	516
Early syphilis: MSM	172	625	137	644
Early syphilis: Women	26	117	48	190
Early syphilis: MSW	43	160	59	235
Early syphilis: Transgender‡	15	29	8	35
Congenital syphilis	4	11	2	12

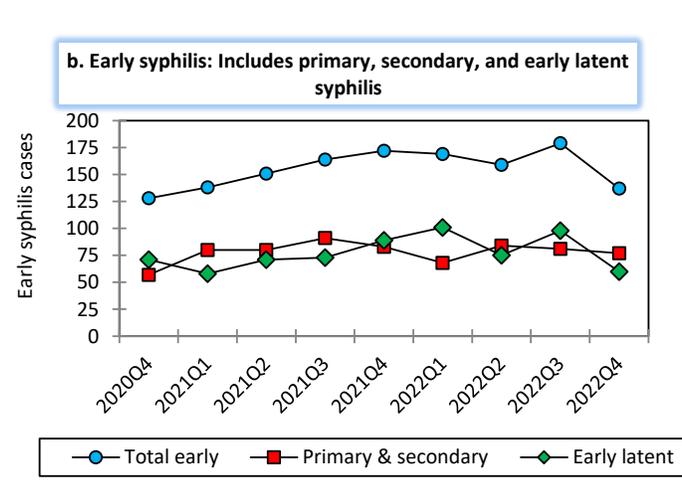
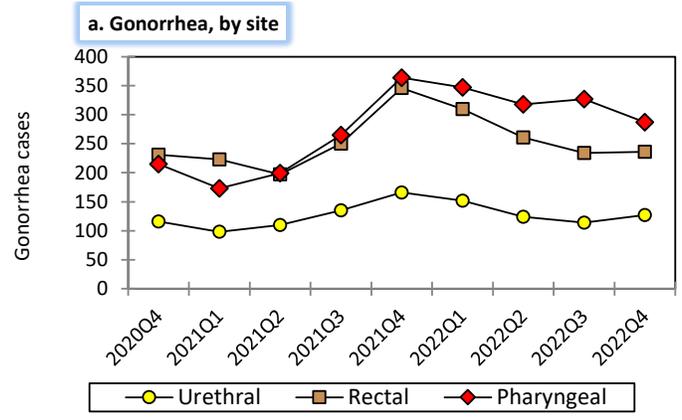
\*Column may not equal total due to missing gender or sexual preference data.  
^ Genital tract infection  
‡ Transgender identity relies on reporting from medical providers and Partner Services Interviews. Data presented here are a potential undercount.

	2021		2022	
	2021Q3	YTD	2022Q3	YTD
Total†	51	130	45	146
MSM	37	93	29	93
Women	9	16	4	16
MSW	2	6	1	11
Transgender‡	0	6	2	5

\* 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**

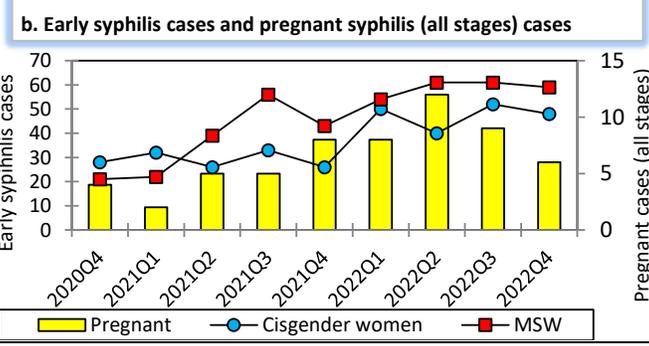
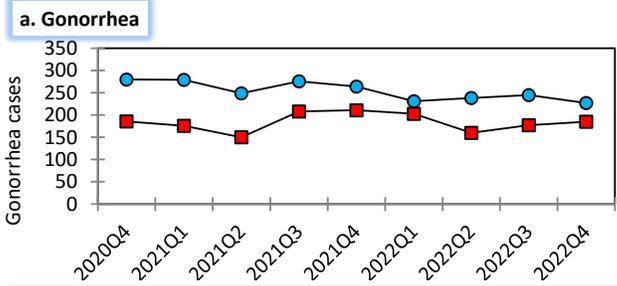
Figure 2: Quarterly King County STI morbidity among MSM\*\*



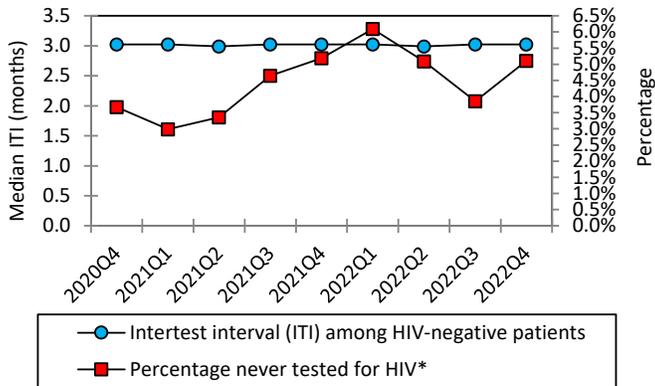
\*\*Footnote: Chlamydia case data on gender of sex partners and anatomic site of infection are incomplete for these time periods. For this reason chlamydia cases are not shown by population.

**Trends in STI Morbidity**

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



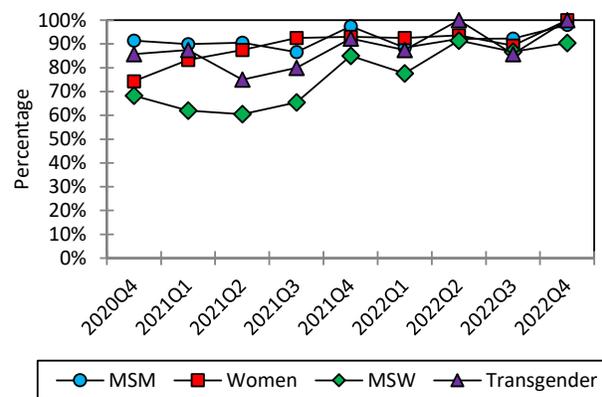
**Figure 3: HIV testing among PHSKC Sexual Health Clinic patients, MSM (note different scales)**



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

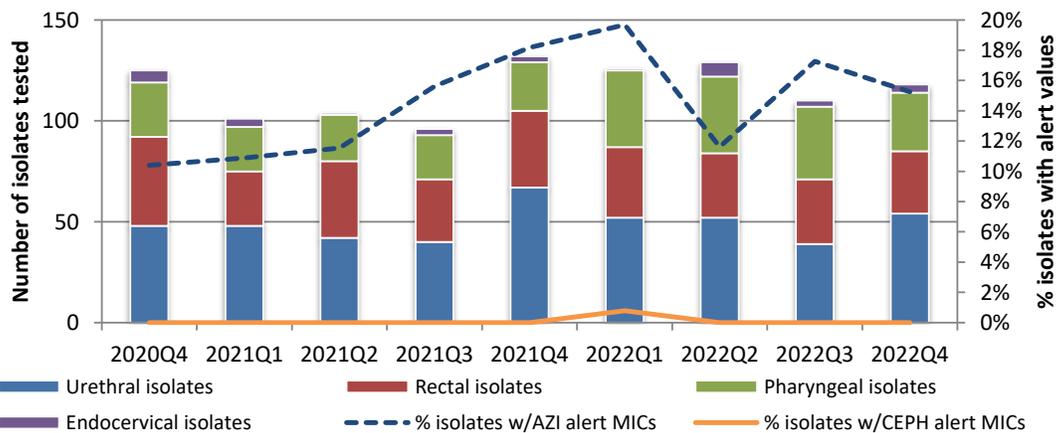
HIV testing should be performed annually on low-risk MSM and quarterly on high-risk MSM<sup>a</sup>.

**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<sup>b</sup> 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<sup>c</sup>. 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  
<sup>a</sup>High-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  
<sup>b</sup>SURRG = Strengthening the U.S. Response to Resistant Gonorrhea Surveillance, supported by the Centers for Disease Control and Prevention  
<sup>c</sup>Alert 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)**

	2022Q4		YTD	
<b>Unique cases tested*</b>	107		431	
MSM	86		335	
MSW	16		69	
Cisgender Women	2		17	
Transgender	3		10	
<b>Alert cases and % of cases with alert MICs</b>	<b>Azi</b>	<b>Ceph</b>	<b>Azi</b>	<b>Ceph</b>
	<b>N (%)</b>	<b>N (%)</b>	<b>N (%)</b>	<b>N (%)</b>
<b>Unique alert cases*</b>	16 (15)	0 (0)	68 (16)	1 (0)
MSM	14 (16)	0 (0)	59 (18)	1 (0)
MSW	1 (6)	0 (0)	5 (7)	0 (0)
Cisgender Women	0 (0)	0 (0)	1 (6)	0 (0)
Transgender	1 (33)	0 (0)	3 (30)	0 (0)

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