

Sexually Transmitted Infection (STI) /HIV Quarterly Report

San Mateo County (SMC) Health, STI/HIV Program

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Table 1 STI Cases Reported Among County of San Mateo Residents by Quarter (Jan 1 - Mar 31) and Year to Date for 2024 and 2023

		2024	2023
		1st Qtr/YTD	1st Qtr/YTD
Chlamydia trachomatis (CT)	Total	582	697
	Male	251	332
	Female	329	359
	Transgender/Other/Unknown ¹	2	6
Gonorrhea (GC)	Total	182	247
	Male	154	196
	Female	26	47
	Transgender/Other/Unknown ¹	2	4
GC Clinical Site²	Urine	79	100
	Genitourinary	9	31
	Rectal	48	70
	Pharyngeal	58	92
	Unknown/Missing	12	4
	DGI ³	0	0
Early Syphilis⁴	Total	21	44
	Male	17	36
	Female	3	6
	Transgender/Other/Unknown ¹	1	2
Late Syphilis	Total	32	39
	Male	20	26
	Female	10	12
	Transgender/Other/Unknown ¹	2	1
Syphilis by Stage	Primary	8	8
	Secondary	4	12
	Early Latent	9	24
	Late Latent	32	39
	Congenital	0	0
	Neurosyphilis ⁵	2	1

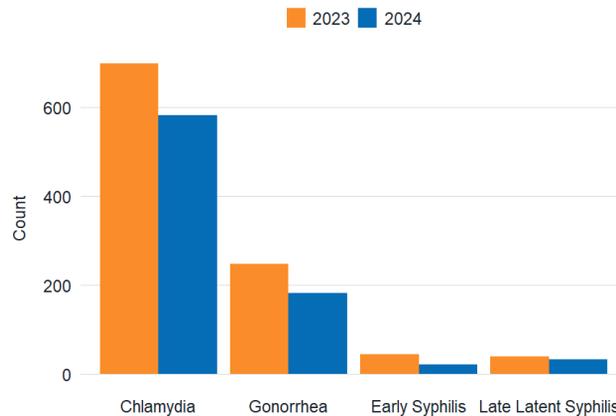
Table 2 HIV testing through the San Mateo County Health by Quarter (Jan 1 - Mar 31) and Year to Date for 2023 and 2022¹

		2024	2023
		1st Qtr/YTD	1st Qtr/YTD
Total Specimens Tested for HIV		2,649	2,541
SMC-STI Clinic		20	47
STI/HIV Program Outreach ²		153	56
Other County Clinics ³		2,476	2,438
Total HIV Antibody Positive		26	23
SMC-STI Clinic		1	1
STI/HIV Program Outreach ²		0	0
Other County Clinics ³		25	22
Total New HIV Cases		6	5

¹The HIV antibody positives do not reflect the true burden of disease. Some patients may be repeat testers. ²Testing-on-Demand and STI/HIV Program HIV Rapid Tests. ³Includes all HIV testing (oral and blood) at San Mateo Medical Center (SMMC), SMMC Satellite Clinics, SMC Public Health (PH) Clinics, and PH Subcontractors. Beginning Aug 2015, a 4th generation HIV screening test was implemented. HIV positive cases may not yet be confirmed by HIV-1/HIV-2 differentiation immunoassay.

DoxyPEP Use Likely Driver CT, GC, Syphilis Decreases CDC Releases 2024 DoxyPEP Guidelines

Comparison of STIs in SMC, 2023 vs. 2024



Doxycycline Post-Exposure Prophylaxis (DoxyPEP) use in male regional sexual networks is likely contributing to decreases in San Mateo County CT, GC and syphilis in 2024 compared to 2023. Studies on effects of DoxyPEP on antimicrobial resistance in *Neisseria gonorrhoeae* and other organisms such as *Staphylococcus aureus* are in progress.

YTD: Year to Date. ¹Due to data limitations and confidentiality concerns, transgender women, transgender men, and gender diverse persons are combined ²Clinical sites for gonorrhea are non-exclusive (individual patient may have multiple sites tested). ³Disseminated Gonococcal Infection. ⁴Early Syphilis is defined as primary, secondary, and early latent. ⁵Cases not included in the total as neurosyphilis is a sequelae and not a stage; the neurosyphilis cases are captured under other syphilis stages.

- Early syphilis decreased by 52% and late syphilis decreased by 18% compared to this time last year. 13 early and late syphilis cases (25%) were female in 2024 compared to 18 (22%) in 2023.
- CT decreased 24% in men and 8% in women compared to this time last year. GC decreased 21% in men and 45% in women compared to last year.
- Specimens tested for HIV increased 4% compared to last year. To date in 2024, HIV positive prevalence is higher than 2023 (1.0% versus 0.9%).