

Orange County Department of Health Chlamydia Management Program

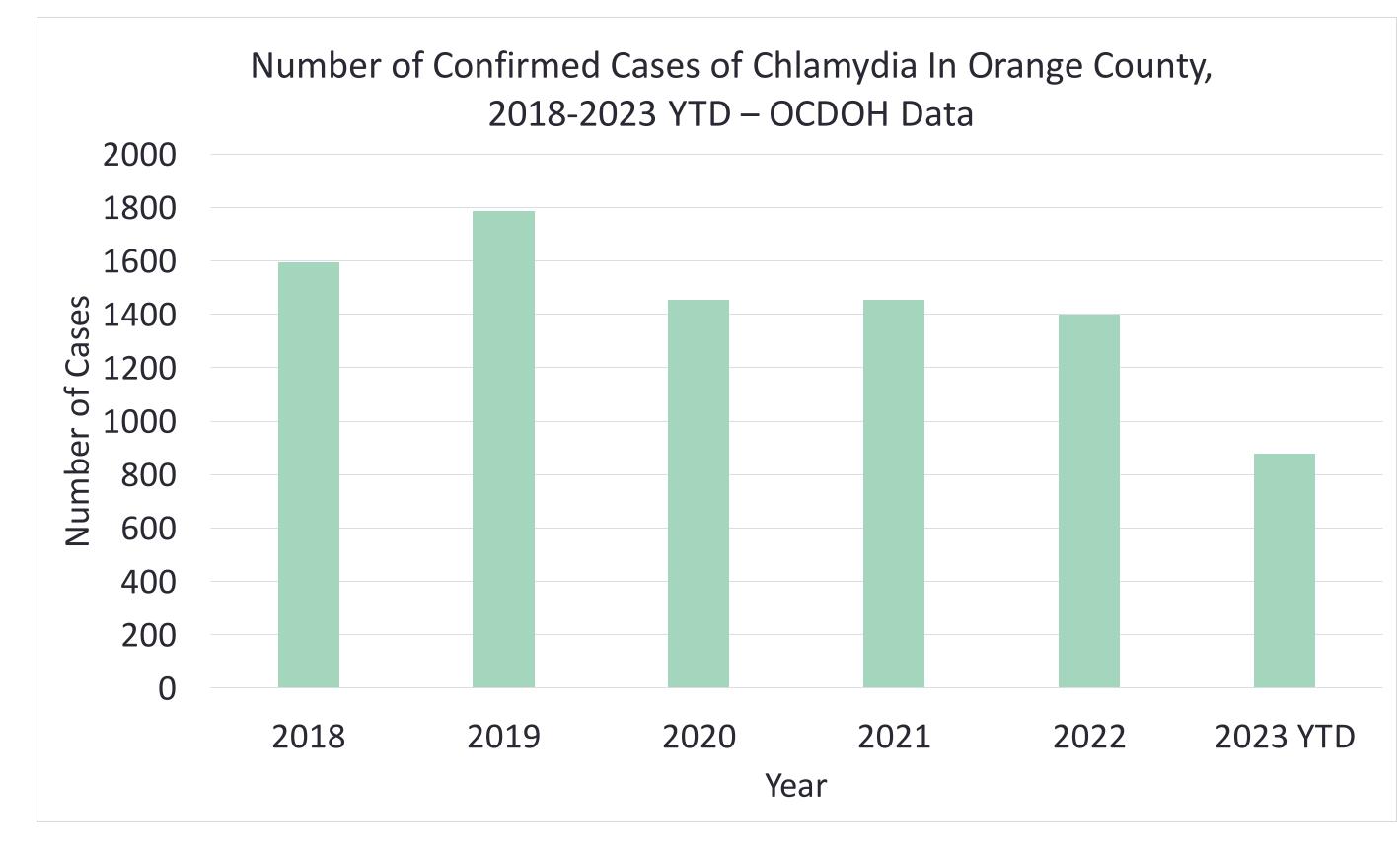


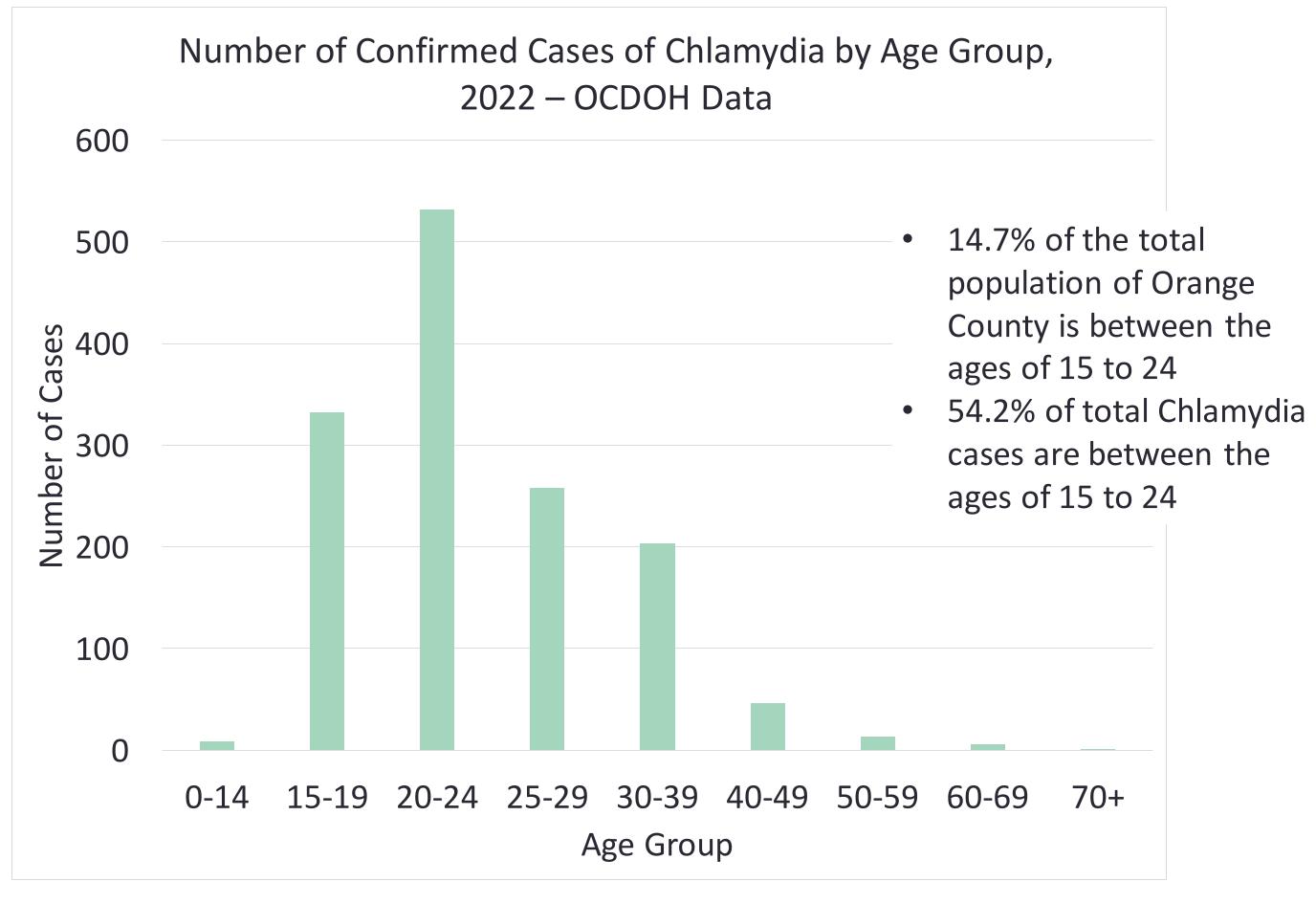
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ABSTRACT

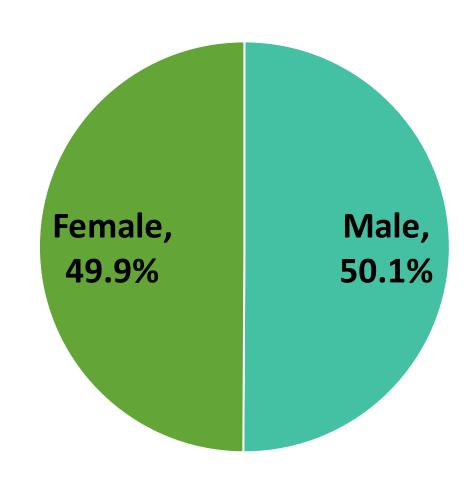
In recent years, Orange County (OC), NY has seen an average of 1,500 chlamydia cases annually. Untreated chlamydia can lead to severe reproductive complications in women and increases the risk of contracting additional STIs. The New York State Sanitary Code requires that all chlamydia diagnoses be reported to local health departments (LHDs) and requires LHDs to verify infection and treatment. According to our evaluation tool, only 40% of cases receive closure from a provider report form (PRF), which streamlines the treatment verification process. The Orange County Department of Health (OCDOH) must otherwise contact the provider and request the information. Due to the high volume of chlamydia cases and their low status on the programmatic prioritization chart, many cases go uninvestigated. This is especially problematic in cases involving minors, pregnant individuals, extragenital infections, coinfections, repeat infections, and untreated or undertreated cases. OCDOH developed the Chlamydia Management Program (CMP) to improve its response to the high volume of cases. The CMP, developed as part of OCDOH's participation in the 2022 CDC STD Program Evaluation Practicum in conjunction with Harvard School of Public Health, is a 15-point set of Indicators designed to track chlamydia response efforts and outcomes, with subsequent modifications to ease program implementation. Chiamydia response starts with managers reviewing all positive chlamydia lab reports daily. If an accompanying PRF is not received, program staff contact providers to acquire treatment information. The CMP monitors the number of priority investigations identified and investigations left open at the end of every month. The percent of chlamydia cases that were ultimately untreated or lost to followup are also tracked. The number of treatment verifications completed every week drastically increased from 2022-23, from an average of eight treatment verifications performed per week to 32. The percentage of PRFs received fluctuated between quarters, as did the number of priority cases identified. OCDOH met its goals regarding priority and untreated/lost-to-follow-up cases in the first two quarters of 2022. Implementation of this performance management project proved to be more difficult than anticipated, the volume of cases compounds this problem. To improve outcomes, CMP data need to be incorporated into monthly meetings and staff need to be thoroughly briefed on the program. This evaluation tool highlights tangible opportunities for improvement and will also be utilized to help target public health detailing efforts. Using this tool to evaluate OC chlamydia response will create better health outcomes for those we serve.

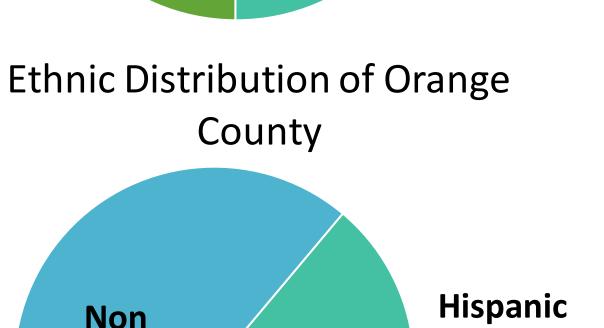
CHLAMYDIA EPIDEMIOLOGY





Gender Distribution of Orange County

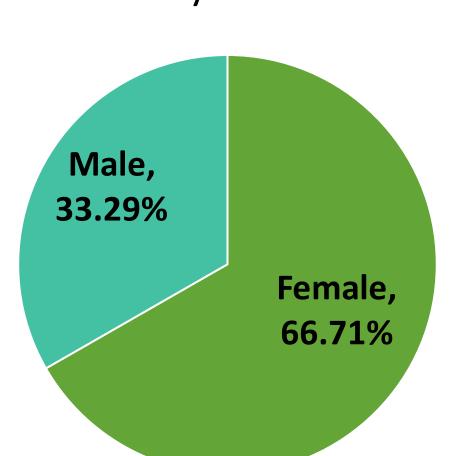




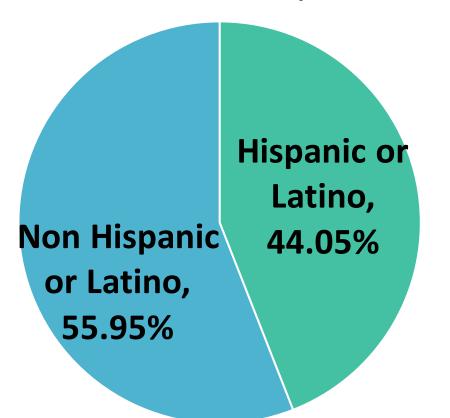
or Latino,

22.36%









Confirmed Chlamydia Cases by Race

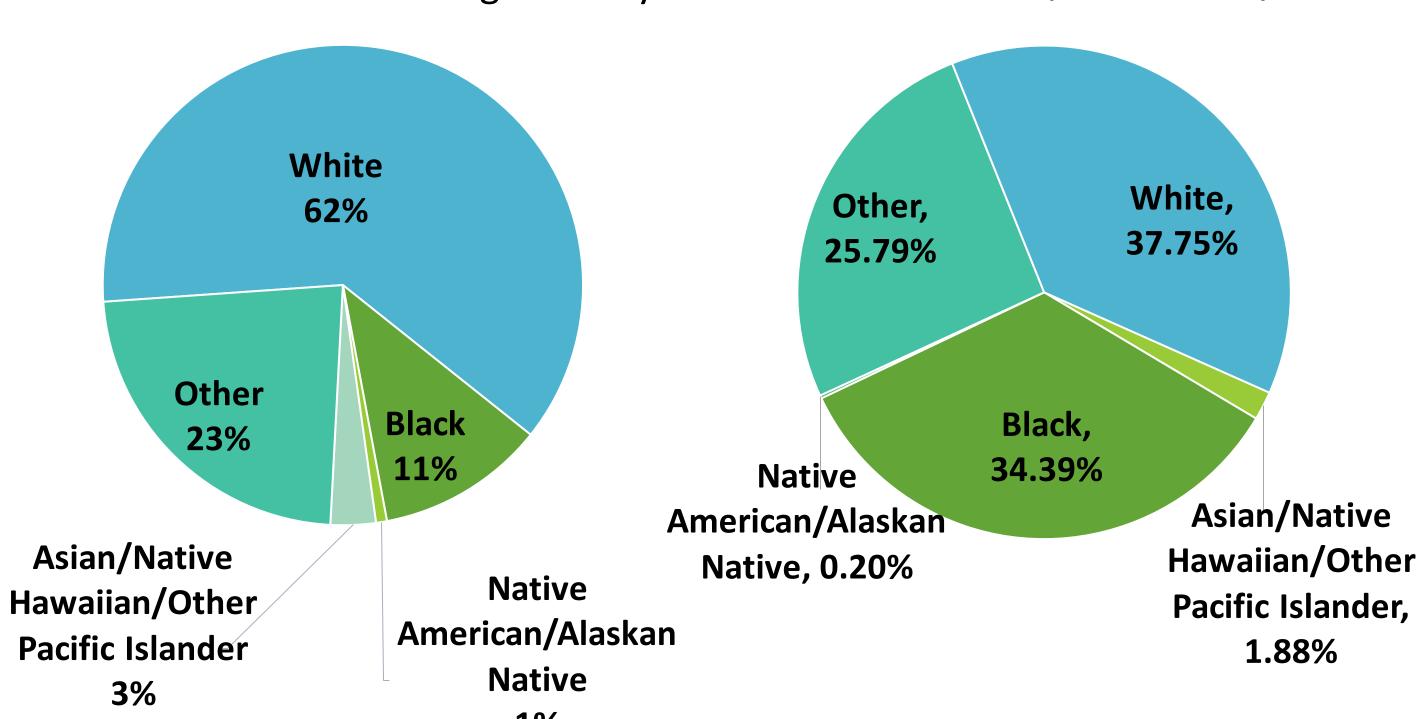
Racial Distribution of Orange County

Non

Hispanic

or Latino,

77.64%



COMPLICATIONS OF UNTREATED CHLAMYDIA

- Autoinoculation
- Conjunctivitis
- Rectal infections*
- Pelvic Inflammatory Disease (PID)
- Ectopic Pregnancy
- Infertility
- Increased risk of contracting HIV
- *Typically in females. A rectal infection can also result from sexual transmission.

- Perinatal transmission
- Conjunctivitis
- Pharyngitis
- Trachoma
- Pneumonia

Source: University of Washington. STD Lesson 2nd Edition. National STD Curriculum.

https://www.std.uw.edu/custom/self-study

Centers for Disease Control and Prevention. *Chlamydia – CDC* Basic Fact Sheet. https://www.cdc.gov/std/chlamydia/stdfactchlamydia.htm

PRIORITY POPULATIONS

- Minors
- Reinfected persons
- Extragenital infections

- Pregnant persons
- Co-infected persons
- Untreated/Undertreated

INDICATORS

Table 1. Indicators for	Process Evaluation	Table 2. Indicators for Outcome Evaluation			
Evaluation Question	Indicator	Evaluation Question	Evaluation Question Indicator		
Access		Short-Term Outcomes			
To what extent are providers able to access public health	# of providers that schedule public health detailing sessions	Does this program increase the number of PRFs received?	The percentage of PRFs received		
etailing sessions with OCDOH?		Hamber of France in	Goal: From 28.7% to 53.7%		
Utilization			The percentage of priority cases missed by program		
To what extent are providers able to complete public health etailing sessions with OCDOH?	# of providers that completed at least one public health detailing session per year	Does this program reduce the number of priority cases missed?	managers		
			Goal: From 36.7% to 18.3% The number of		
Are there providers who are onsistently not receiving public	List of which providers participate in public health detailing	Does this program maintain a standard for the timely completion of investigations?	investigations left open longer than one month		
health detailing sessions?				From baseline to ≤ 20	
Adherence to Schedule		Intermediate Outcomes			
re OCDOH nurses coming in on cheduled days and completing treatment verifications and	#, % of days out of those scheduled that nurses conduct weekly follow-up with providers	Is this chlamydia response sustainable over time?	Meeting short-term outcomes quarterly over a 12-month period		
identifying priority cases?		Does this program help managers	Goal: Yes for all outcomes Demographic variables (race/ethnicity, zip code,		
Quality		understand which chlamydia cases are most likely to be	age, gender) of UT/LTF Goal: Identify highest risk		
Timeliness					
How many public health detailing sessions are provided	# of public health detailing sessions provided monthly by	UT/LTF?	population for targeted efforts		
by OCDOH per month?	OCDOH	Long-Term Outcomes			
Efficiency		Does this program reduce the number of UT/LTF chlamydia		chlamydia cases	
How many treatment verifications are being completed per week?	Average # of treatment verifications completed per week	cases?	Goal: From 8.3% to 6.2%		
		Table 3. Baseline Data for Outcome Indicators			
<u> </u>		Indicator		Baseline Data	
Are confidentiality and privacy		Short-Term Indicators			
standards with respect to patient information being upheld?	# of reported breaches/breaks of confidentiality practices	The percentage of PRF received (PRFs received/positive lab reports received)		425/1479 = 28.7%	
Feasibility		The percentage of priority cases n	nissed		
this program acceptable to the	Acceptability to program staff	by program managers (priority cases missed/(priority c	ases	166(166+286) = 36.7%	
program staff given the current	assessed via informal "focus groups" at quarterly meetings	missed+priority cases sent to e-assign)			
availability of resources?		Intermediates Indicators			
Does this program increase the	# of cases sent to e-assign	The number of cases sent to e-assign 286			
vorkload for CMP staff (i.e. the		Long-Term Indicators			
umber of cases assigned to DIS for further follow-up)?		The percentage of UT/LTF chlam cases (UT/LTF chlamydia cases/total chlamydia chlamydia cases/total chlamydia chlamydi		123/1479 = 8.3%	
		cases)			

OUTCOMES

- Drastically increased weekly treatment verifications
- Cases sent to e-assign beyond our control, can only come from infection prevention
- Percentage of PRFs did increase, but not as much as hoped
- Percentage of priority cases missed determined by volume of other STIs, CT falls low on the matrix