

Supplementary Table 1. Periods with significant differences in annual percent change in syphilis case rate by joinpoint regression, reported by region and stage, 2013–2022

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
National										
Total Syphilis	20.6% [10.6%–23.8%]								37.0% [26.4% - 45.4%]	
Late or unknown duration	17.9% [6.5%–22.1%]								45.8% [29.4% - 58.4%]	
ENPNS	29.2% [27.4%–32.2%]									
P&S	20.8% [19.6%–22.6%]									
Northeast										
Total Syphilis	13.2% [4.1%–16.5%]								36.4% [21.9%–46.9%]	
Late or unknown duration	6.9% [-2.7%–10.9%]								46.0% [23.1%–62.4%]	
ENPNS	18.5% [15.9%–22.2%]									
P&S	27.9% [25.8%–31.6%]									
South										
Total Syphilis	9.6% [1.9%–15.3%]				20.3% [15.0%–26.7%]				37.5% [31.4%–42.9%]	
Late or unknown duration	4.8% [-5.5%–13.1%]				17.6% [9.6%–28.0%]				50.1% [40.2%–59.7%]	
ENPNS	11.4% [7.3%–19.0%]			19.4% [18.3%–23.2%]						
P&S	17.4% [6.9%–23.2%]					30.5% [28.3%–35.6%]				
Midwest										
Total Syphilis	11.0% [-5.0%–20.3%]						44.1% [35.6%–63.0%]			
Late or unknown duration	6.5% [-2.4%–11.4%]					26.4% [16.4%–34.6%]			55.5% [45.6%–64.5%]	
ENPNS	8.7% [-17.6%–23.8%]					33.6% [26.3%–55.5%]				

P&S	9.6% [-15.7%–25.2%]	47.9% [41.1%–62.8%]	
West			
Total Syphilis	36.4% [31.3%–72.0%]	23.8% [14.4%–28.5%]	
Late or unknown duration	30.0% [27.5–34.0%]		
ENPNS	38.5% [16.6%–74.7%]	9.2% [-0.5%–65.0%]	21.8% [11.0%–34.0%]
P&S	42.1% [34.9%–69.9%]	22.4% [13.3%–27.9%]	
West, excluding California			
Total Syphilis	38.9% [36.0%–44.5%]		
Late or unknown duration	5.4% [-12.4%–45.4%]	44.9% [39.5%–59.9%]	
ENPNS	30.3% [28.0%–34.3%]		
P&S	41.8% [39.0%–47.7%]		
California			
Total Syphilis	37.3% [31.3%–49.1%]	15.1% [9.6%–19.6%]	
Late or unknown duration	32.4% [28.7%–63.7%]	17.1% [5.3%–24.4%]	
ENPNS	39.9% [34.4%–47.8%]	7.2% [3.5%–11.3%]	
P&S	42.0% [32.5%–63.5%]	9.7% [0.1%–16.4%]	

Results reported as APC [95% CI]

APC = annual percent change

CI = confidence interval

P&S = primary and secondary

ENPNS = early non-primary, non-secondary