

Appendix
Chlamydia and Gonorrhea: Shifting Age-Based Positivity Among Young Females, 2010–2017
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Appendix Table 1. Regional Changes in Chlamydia Trachomatis Positivity From 2010 to 2017, by Age Group

Variable	Chlamydia trachomatis		
	2010 Test volume (Positive %)	2017 Test volume (Positive %)	Change 2010–2017
Ages 12–17 years			
1: CT, MA, ME, NH, RI, VT	14,752 (4.6)	26,336 (3.6)	–22.9%***
2: NJ, NY	31,667 (6.5)	38,386 (4.6)	–28.8%***
3: DE, DC, MD, PA, VA, WV	25,301 (9.9)	22,939 (8.3)	–16.6%***
4: AL, FL, GA, KY, MS, NC, SC, TN	38,617 (11.3)	75,228 (8.5)	–24.2%***
5: IL, IN, MI, MN, OH, WI	24,832 (10.7)	27,037 (10.1)	–5.1%***
6: AR, LA, NM, OK, TX	23,434 (12.3)	30,099 (11.2)	–9.2%***
7: IA, KS, MO, NE	10,663 (9.9)	8,392 (9.7)	–2.3%
8: CO, MT, ND, SD, UT, WY	1,971 (8.1)	3,038 (9.1)	13.0%
9: AZ, CA, HI, NV	51,228 (6.6)	62,425 (5.7)	–13.4%***
10: AK, OR, ID, WA	2,659 (7.6)	5,649 (8.0)	4.2%
Ages 18–24 years			
1: CT, MA, ME, NH, RI, VT	70,281 (3.7)	116,530 (4.8)	28.0%***
2: NJ, NY	151,434 (4.1)	139,804 (5.7)	40.2%***
3: DE, DC, MD, PA, VA, WV	112,829 (5.9)	126,765 (6.6)	12.7%***
4: AL, FL, GA, KY, MS, NC, SC, TN	171,101 (7.5)	311,226 (8.4)	11.7%***
5: IL, IN, MI, MN, OH, WI	114,587 (7.2)	152,809 (8.3)	14.4%***
6: AR, LA, NM, OK, TX	92,828 (8.9)	128,447 (10.0)	12.4%***
7: IA, KS, MO, NE	38,674 (7.3)	39,732 (8.6)	18.3%***
8: CO, MT, ND, SD, UT, WY	6,174 (7.4)	12,398 (8.7)	17.7%***
9: AZ, CA, HI, NV	248,835 (5.5)	295,171 (6.8)	24.7%***
10: AK, OR, ID, WA	12,267 (5.7)	26,467 (7.1)	25.0%***
Ages 25–30 years			
1: CT, MA, ME, NH, RI, VT	41,716 (1.6)	68,866 (2.5)	51.9%***
2: NJ, NY	137,143 (1.5)	100,345 (2.6)	75.3%***

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3: DE, DC, MD, PA, VA, WV	81,132 (2.1)	98,689 (2.8)	35.4%***
4: AL, FL, GA, KY, MS, NC, SC, TN	128,142 (2.5)	247,433 (3.5)	36.8%***
5: IL, IN, MI, MN, OH, WI	82,282 (2.6)	107,830 (3.8)	46.3%***
6: AR, LA, NM, OK, TX	64,108 (3.3)	102,132 (4.2)	28.3%***
7: IA, KS, MO, NE	23,419 (3.0)	29,405 (3.7)	25.2%***
8: CO, MT, ND, SD, UT, WY	4,161 (3.2)	9,340 (4.0)	23.4%**
9: AZ, CA, HI, NV	195,106 (2.2)	245,568 (3.3)	51.4%***
10: AK, OR, ID, WA	9,248 (2.3)	20,881 (3.4)	46.9%***

Notes: Trend ** $p < 0.01$; *** $p < 0.001$.

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Appendix Table 2. Regional Changes in *Neisseria Gonorrhoeae* Positivity from 2010 to 2017, by Age Group

Variable	<i>Neisseria gonorrhoeae</i>		
	2010 Test volume (Positive %)	2017 Test volume (Positive %)	Change 2010–2017
Age 12–17 years			
1: CT, MA, ME, NH, RI, VT	14,752 (0.4)	26,336 (0.3)	–24.4%***
2: NJ, NY	31,667 (0.7)	38,386 (0.8)	22.1%
3: DE, DC, MD, PA, VA, WV	25,301 (1.8)	22,939 (1.1)	–36.6%***
4: AL, FL, GA, KY, MS, NC, SC, TN	38,617 (2.0)	75,228 (1.5)	–27.5%***
5: IL, IN, MI, MN, OH, WI	24,832 (1.9)	27,037 (1.7)	–7.5%**
6: AR, LA, NM, OK, TX	23,434 (2.1)	30,099 (2.0)	–5.6%***
7: IA, KS, MO, NE	10,663 (1.6)	8,392 (1.7)	7.6%
8: CO, MT, ND, SD, UT, WY	1,971 (0.4)	3,038 (1.2)	180.5%***
9: AZ, CA, HI, NV	51,228 (0.7)	62,425 (0.7)	2.8%
10: AK, OR, ID, WA	2,659 (0.2)	5,649 (0.7)	217.4%***
Age 18–24 years			
1: CT, MA, ME, NH, RI, VT	70,281 (0.3)	116,530 (0.4)	23.3%
2: NJ, NY	151,434 (0.4)	139,804 (0.7)	73.7%***
3: DE, DC, MD, PA, VA, WV	112,829 (1.0)	126,765 (0.7)	–22.9%***
4: AL, FL, GA, KY, MS, NC, SC, TN	171,101 (1.3)	311,226 (1.3)	4.8%
5: IL, IN, MI, MN, OH, WI	114,587 (1.1)	152,809 (1.4)	20.5%
6: AR, LA, NM, OK, TX	92,828 (1.3)	128,447 (1.6)	19.5%***
7: IA, KS, MO, NE	38,674 (1.0)	39,732 (1.3)	35.4%***
8: CO, MT, ND, SD, UT, WY	6,174 (0.6)	12,398 (1.1)	81.0%***
9: AZ, CA, HI, NV	248,835 (0.4)	295,171 (0.7)	69.8%***
10: AK, OR, ID, WA	12,267 (0.2)	26,467 (0.7)	294.4%***
Age 25–30 years			
1: CT, MA, ME, NH, RI, VT	41,716 (0.2)	68,866 (0.4)	125.0%***
2: NJ, NY	137,143 (0.1)	100,345 (0.3)	161.5%***

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3: DE, DC, MD, PA, VA, WV	81,132 (0.3)	98,689 (0.5)	50.0%***
4: AL, FL, GA, KY, MS, NC, SC, TN	128,142 (0.4)	247,433 (0.7)	67.4%***
5: IL, IN, MI, MN, OH, WI	82,282 (0.5)	107,830 (0.8)	71.7%***
6: AR, LA, NM, OK, TX	64,108 (0.5)	102,132 (0.9)	83.0%***
7: IA, KS, MO, NE	23,419 (0.5)	29,405 (0.9)	78.0%***
8: CO, MT, ND, SD, UT, WY	4,161 (0.4)	9,340 (1.0)	134.9%***
9: AZ, CA, HI, NV	195,106 (0.2)	245,568 (0.6)	194.7%***
10: AK, OR, ID, WA	9,248 (0.1)	20,881 (0.7)	407.7%***

Notes: Trend ** $p < 0.01$; *** $p < 0.001$.