

VIRGINIA STD SURVEILLANCE REPORT

Table 1GC New Gonorrhea Diagnoses

	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	Trend
	No.	No.	No.	No.	No.	Rate	Rate	Rate	Rate	Rate	
Total	10,836	12,193	11,959	13,606	14,946	128.8	144.0	140.4	159.4	175.1	
Gender											
Male	5,863	6,602	6,614	7,659	8,195	141.7	158.4	157.8	182.3	195.1	
Female	4,946	5,518	5,302	5,908	6,702	115.7	128.2	122.5	136.3	154.6	
Transgender/other	20	22	26	36	26	--	--	--	--	--	
Unknown	7	51	17	3	23	--	--	--	--	--	
Age at diagnosis											
< 10	3	4	1	2	8	0.3	0.4	0.1	0.2	0.8	
10 - 14	43	37	52	54	44	8.2	7.1	9.8	10.3	8.4	
15 - 19	1,953	2,234	2,061	2,261	2,294	361.1	413.8	380.1	417.3	423.4	
20 - 24	3,524	3,821	3,614	4,203	4,302	597.5	655.6	624.4	735.3	752.6	
25 - 29	2,400	2,797	2,717	3,052	3,433	406.8	465.6	449.7	507.0	570.3	
30 - 34	1,216	1,382	1,475	1,712	2,157	208.9	236.4	251.7	290.9	366.6	
35 - 39	673	778	870	978	1,075	120.7	136.6	150.4	168.1	184.8	
40 - 44	354	383	395	509	679	67.0	73.1	75.1	95.9	127.9	
45 - 49	250	289	286	306	349	44.2	51.1	51.2	55.9	63.7	
50 - 54	204	208	213	232	236	34.2	35.7	37.5	42.0	42.7	
55 - 59	118	129	139	153	219	20.4	22.1	23.8	26.2	37.5	
60 - 64	51	78	82	93	76	10.2	15.2	15.7	17.5	14.3	
> 64	32	38	48	50	72	2.6	3.0	3.6	3.7	5.3	
Unknown	15	15	6	1	2	--	--	--	--	--	
Race/ethnicity											
Black, non-Hispanic	6,797	7,120	7,448	8,454	8,894	406.1	421.3	438.0	495.2	521.0	
White, non-Hispanic	1,581	1,876	2,185	2,586	2,589	29.5	35.1	40.9	48.4	48.5	
Hispanic (all races)	351	362	419	499	516	45.8	45.5	51.0	59.8	61.8	
Other/multi-race	239	263	303	377	361	--	--	--	--	--	
Unknown	1,868	2,572	1,604	1,690	2,586	--	--	--	--	--	
Health Region											
Central	3,346	3,374	3,379	3,785	3,820	233.9	234.1	232.7	259.1	261.5	
Eastern	4,235	4,803	4,655	5,453	6,318	228.2	259.2	250.9	293.5	340.0	
Northern	1,376	1,540	1,535	1,692	1,689	55.9	61.6	60.9	67.0	66.9	
Northwest	561	858	991	1,047	1,152	42.7	64.5	73.7	77.3	85.1	
Southwest	1,318	1,618	1,399	1,629	1,967	97.7	120.3	104.1	121.8	147.0	
Gonorrhea ophthalmia neonatorum*											
Total diagnoses	3	3	3	1	2	--	--	--	--	--	
Disseminated gonorrhea infection (DGI)**											
Total diagnoses	--	--	3	8	11	--	--	--	--	--	

*Gonorrhea ophthalmia neonatorum diagnoses are made when an infant has a positive lab result for gonorrhea infection with a specimen source of eye/conjunctiva. This infection occurs when a genital gonorrhea infection is transmitted to the infant's eyes during birth. These cases are not counted toward the total number of gonorrhea diagnoses in Virginia in the rest of this report.

**DGI cases are counted when a case meets either one of two criteria: (1) A positive *Neisseria gonorrhoeae* culture from an appropriate specimen collection site, e.g. synovial fluid; (2) A positive gonorrhea laboratory test at any specimen site with a clinical diagnosis of disseminated gonorrhea infection. DGI cases are also included in the total number of gonorrhea diagnoses in Virginia in the rest of this report. Virginia began counting DGI cases in 2019, retroactively reviewing cases through 2018.

Figure 1GC. Rate of Gonorrhea diagnoses by race/ethnicity, 2016 - 2020

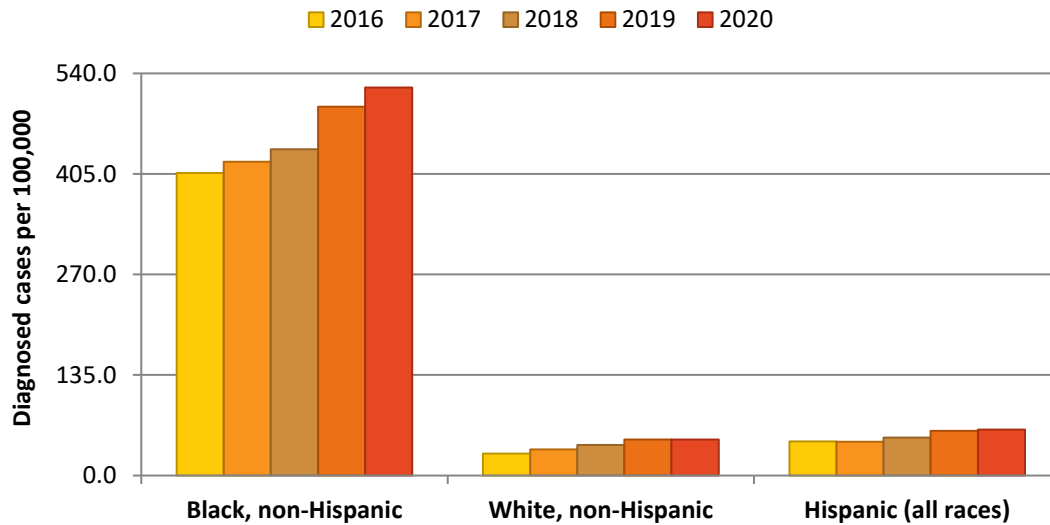


Figure 2GC. Rate of Gonorrhea diagnoses by gender, 2016 - 2020

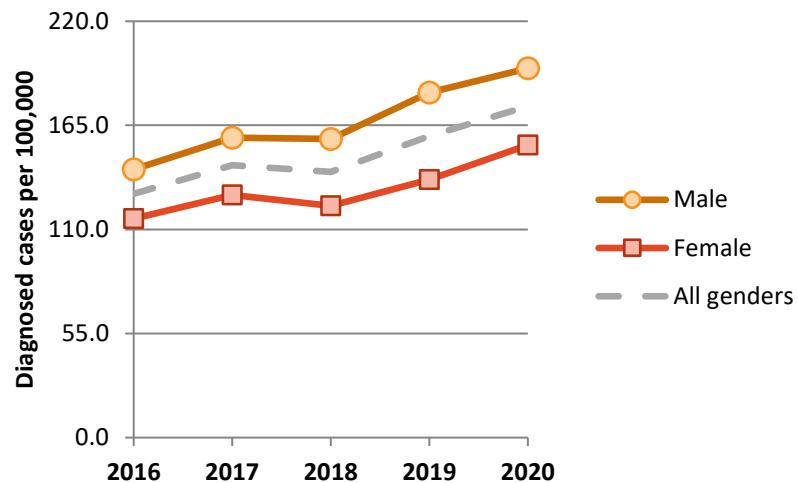
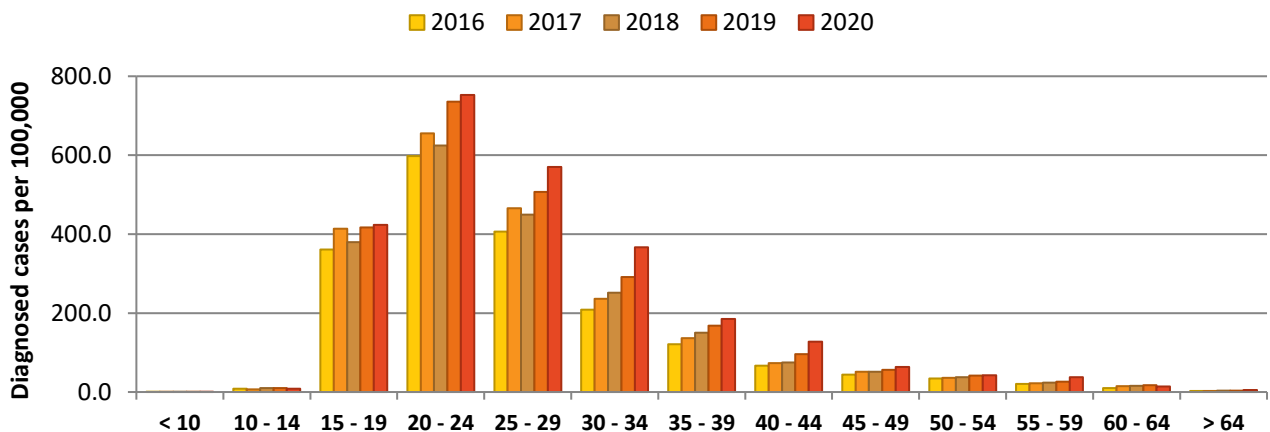


Figure 3GC. Rate of Gonorrhea diagnoses by age in years, 2016 - 2020



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Table 2GC. Gonorrhea Diagnoses by Region, 2020

	Central	Eastern	Northern	Northwest	Southwest
	No.	No.	No.	No.	No.
Total	3,820	6,318	1,689	1,152	1,967
Gender					
Male	2,068	3,333	1,196	625	973
Female	1,735	2,972	485	522	988
Transgender	9	11	4	2	0
% Female % Male					
Age in years					
< 10	0	2	2	1	3
10 - 14	9	21	2	1	11
15 - 19	567	1,092	204	158	273
20 - 24	1,083	1,887	466	341	525
25 - 29	901	1,437	365	269	461
30 - 34	565	835	268	183	306
35 - 39	258	453	128	82	154
40 - 44	154	268	99	47	111
45 - 49	95	124	54	26	50
50 - 54	75	80	33	13	35
55 - 59	63	80	38	17	21
60 - 64	20	20	13	10	13
> 64	30	17	17	4	4
Race/ethnicity					
Black, non-Hispanic	2,668	4,462	506	390	868
White, non-Hispanic	419	769	270	471	660
Hispanic (all races)	65	113	268	44	26
Other/ Multi-race	70	129	97	29	36
Unknown	598	845	548	218	377

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Table 3GC-a. Central Region GC Diagnoses by Health District and City/County

	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	Trend
	No.	No.	No.	No.	No.	Rate	Rate	Rate	Rate	Rate	
Region Total	3,346	3,374	3,379	3,785	3,820	233.9	234.1	232.7	259.1	261.5	
Chesterfield Health District											
Chesterfield Co.	427	460	501	539	565	126.0	133.9	143.7	152.8	160.1	
Colonial Heights	35	28	33	34	27	196.9	157.0	185.1	195.7	155.4	
Powhatan Co.	11	15	15	13	14	38.7	52.4	51.4	43.8	47.2	
District Total	473	503	549	586	606	122.8	129.0	138.8	146.6	151.6	
Chickahominy Health District											
Charles City Co.	10	6	10	7	9	141.4	85.7	144.1	100.5	129.3	
Goochland Co.	15	10	11	16	13	66.2	44.1	47.3	67.4	54.7	
Hanover Co.	75	76	61	65	75	71.8	71.8	56.9	60.3	69.6	
New Kent Co.	17	15	18	12	14	80.4	69.2	80.4	52.0	60.6	
District Total	117	107	100	100	111	75.3	68.0	62.6	61.9	68.7	
Crater Health District											
Dinwiddie Co.	47	36	42	54	42	167.0	127.6	147.2	189.2	147.1	
Emporia	19	18	16	25	30	358.2	340.8	312.4	467.6	561.2	
Greensville Co.	15	18	11	13	24	128.1	154.1	94.6	114.7	211.7	
Hopewell	106	103	97	114	136	466.2	455.3	429.3	506.0	603.7	
Petersburg	247	229	223	310	241	774.7	721.3	706.4	989.0	768.8	
Prince George Co.	69	86	84	103	76	182.3	227.5	220.6	268.6	198.2	
Surry Co.	8	16	14	11	5	122.2	244.6	216.2	171.3	77.9	
Sussex Co.	21	36	23	24	21	182.5	316.5	204.7	215.1	188.2	
District Total	532	542	510	654	575	341.8	349.1	328.5	421.8	370.9	
Henrico Health District											
Henrico Co.	692	722	645	779	900	211.9	220.2	195.9	235.5	272.1	
District Total	692	722	645	779	900	211.9	220.2	195.9	235.5	272.1	
Piedmont Health District											
Amelia Co.	12	9	11	11	12	92.9	69.1	84.5	83.7	91.3	
Buckingham Co.	4	29	26	10	14	23.5	169.9	153.0	58.3	81.6	
Charlotte Co.	10	13	9	19	21	82.4	107.3	75.4	159.9	176.8	
Cumberland Co.	14	18	12	17	11	145.0	183.5	122.3	171.2	110.8	
Lunenburg Co.	8	9	16	21	20	65.2	73.6	132.4	172.2	164.0	
Nottoway Co.	10	23	35	25	16	64.1	149.0	227.0	164.1	105.0	
Prince Edward Co.	29	33	23	51	46	125.3	145.4	100.2	223.7	201.7	
District Total	87	134	132	154	140	84.7	130.9	129.1	150.5	136.8	
Richmond City Health District											
Richmond City	1,338	1,246	1,299	1,356	1,272	599.5	548.8	567.8	588.4	552.0	
District Total	1,338	1,246	1,299	1,356	1,272	599.5	548.8	567.8	588.4	552.0	
Southside Health District											
Brunswick Co.	26	28	40	35	57	160.1	172.4	244.1	215.6	351.2	
Halifax Co.	52	43	48	61	86	148.6	124.4	140.7	179.9	253.6	
Mecklenburg Co.	29	49	56	60	73	93.9	159.7	182.7	196.2	238.7	
District Total	107	120	144	156	216	130.3	147.3	177.4	193.2	267.6	

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Table 3GC-b. Eastern Region GC Diagnoses by Health District and City/County

	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	Trend
	No.	No.	No.	No.	No.	Rate	Rate	Rate	Rate	Rate	
Region Total	4,235	4,803	4,655	5,453	6,318	228.2	259.2	250.9	293.5	340.0	
Chesapeake Health District											
Chesapeake	365	451	453	568	653	153.4	187.6	186.7	232.0	266.7	
District Total	365	451	453	568	653	153.4	187.6	186.7	232.0	266.7	
Eastern Shore Health District											
Accomack Co.	29	40	66	41	66	88.0	122.9	203.6	126.9	204.2	
Northampton Co.	11	12	16	16	25	90.6	101.3	136.3	136.6	213.5	
District Total	40	52	82	57	91	88.7	117.1	185.7	129.5	206.7	
Hampton Health District											
Hampton	480	574	491	573	715	354.5	426.2	365.6	426.0	531.6	
District Total	480	574	491	573	715	354.5	426.2	365.6	426.0	531.6	
Norfolk Health District											
Norfolk	997	1,084	1,116	1,281	1,530	406.7	443.0	457.2	527.7	630.3	
District Total	997	1,084	1,116	1,281	1,530	406.7	443.0	457.2	527.7	630.3	
Peninsula Health District											
James City Co.	48	51	41	68	71	64.5	67.5	53.7	88.9	92.8	
Newport News	719	816	769	823	951	395.4	454.9	430.5	459.2	530.6	
Poquoson	1	5	5	4	6	8.3	41.5	41.0	32.6	48.9	
Williamsburg	23	17	22	23	21	151.2	113.1	147.7	153.8	140.4	
York Co.	34	51	54	52	76	50.0	75.3	79.6	76.2	111.3	
District Total	825	940	891	970	1,125	234.8	268.8	254.6	276.2	320.3	
Portsmouth Health District											
Portsmouth	477	475	536	639	677	500.8	502.3	566.4	676.9	717.2	
District Total	477	475	536	639	677	500.8	502.3	566.4	676.9	717.2	
Three Rivers Health District											
Essex Co.	14	21	12	11	13	125.9	190.4	109.9	100.4	118.7	
Gloucester Co.	24	26	32	32	30	64.5	69.7	85.7	85.7	80.3	
King William Co.	9	17	10	10	18	55.1	101.7	59.0	58.3	105.0	
King and Queen Co.	0	10	5	9	10	0.0	142.8	71.0	128.1	142.3	
Lancaster Co.	11	12	5	23	13	100.3	111.2	46.4	216.9	122.6	
Mathews Co.	2	1	8	5	2	22.8	11.4	90.9	56.6	22.6	
Middlesex Co.	2	6	5	8	8	18.6	56.2	46.4	75.6	75.6	
Northumberland Co.	6	11	12	4	16	49.1	89.6	98.8	33.1	132.3	
Richmond Co.	5	4	8	13	9	57.0	44.7	88.5	144.1	99.7	
Westmoreland Co.	13	23	20	19	19	73.9	129.4	112.2	105.5	105.5	
District Total	86	131	117	134	138	61.0	92.7	82.6	94.6	97.4	
Virginia Beach Health District											
Virginia Beach	669	795	672	826	925	147.8	176.5	149.3	183.6	205.6	
District Total	669	795	672	826	925	147.8	176.5	149.3	183.6	205.6	
Western Tidewater Health District											
Franklin City	17	33	30	22	37	204.7	403.6	374.4	276.1	464.4	
Isle of Wight Co.	48	47	44	57	77	131.2	128.6	119.1	153.6	207.5	
Southampton Co.	16	27	22	36	42	88.6	152.1	125.1	204.2	238.2	
Suffolk	215	194	201	290	308	240.8	215.0	220.4	314.8	334.4	
District Total	296	301	297	405	464	194.4	197.1	193.2	261.6	299.7	

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Table 3GC-c. Northern Region GC Diagnoses by Health District and City/County

	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	Trend
	No.	No.	No.	No.	No.	Rate	Rate	Rate	Rate	Rate	
Region Total	1,376	1,540	1,535	1,692	1,689	55.9	61.6	60.9	67.0	66.9	
Alexandria Health District											
Alexandria	195	224	202	222	199	125.2	140.0	125.8	139.2	124.8	
District Total	195	224	202	222	199	125.2	140.0	125.8	139.2	124.8	
Arlington Health District											
Arlington	185	223	244	275	219	80.4	94.9	102.7	116.1	92.5	
District Total	185	223	244	275	219	80.4	94.9	102.7	116.1	92.5	
Fairfax Health District											
Fairfax City	6	12	14	17	12	24.8	49.8	57.0	70.8	50.0	
Fairfax Co.	523	547	554	595	639	45.9	47.6	48.1	51.9	55.7	
Falls Church	13	13	3	11	5	92.8	89.1	20.3	75.3	34.2	
District Total	542	572	571	623	656	46.1	48.2	48.0	52.5	55.3	
Loudoun Health District											
Loudoun Co.	100	116	121	122	102	25.9	29.1	29.7	29.5	24.7	
District Total	100	116	121	122	102	25.9	29.1	29.7	29.5	24.7	
Prince William Health District											
Manassas	23	41	41	25	47	55.4	98.8	98.5	60.8	114.4	
Manassas Park	3	11	11	10	14	18.9	66.3	63.6	57.2	80.1	
Prince William Co.	328	353	345	415	452	72.1	76.2	73.7	88.2	96.1	
District Total	354	405	397	450	513	69.1	77.7	75.3	85.1	97.0	

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Table 3GC-d. Northwest Region GC Diagnoses by Health District and City/County

	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	Trend
	No.	No.	No.	No.	No.	Rate	Rate	Rate	Rate	Rate	
Region Total	561	858	991	1,047	1,152	42.7	64.5	73.7	77.3	85.1	
Blue Ridge Health District											
Albemarle Co.	35	81	77	74	78	32.7	75.2	70.8	67.7	71.3	
Charlottesville	42	63	63	56	54	89.5	131.2	130.9	118.5	114.2	
Fluvanna Co.	9	9	12	8	16	34.3	34.0	44.8	29.3	58.7	
Greene Co.	3	8	6	7	11	15.5	40.8	30.3	35.3	55.5	
Louisa Co.	19	25	21	23	43	53.9	69.7	57.1	61.2	114.4	
Nelson Co.	2	6	7	7	17	13.5	40.2	47.2	46.9	113.9	
District Total	110	192	186	175	219	44.1	76.0	72.9	68.3	85.5	
Central Shenandoah District											
Augusta Co.	10	41	70	69	80	13.3	54.6	92.8	91.3	105.9	
Bath Co.	0	0	2	1	1	0.0	0.0	46.6	24.1	24.1	
Buena Vista	3	4	1	3	6	46.5	63.2	16.0	46.3	92.6	
Harrisonburg	22	24	30	75	77	41.4	44.3	55.5	141.5	145.2	
Highland Co.	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	
Lexington	1	6	1	7	3	14.2	84.4	14.0	94.0	40.3	
Rockbridge Co.	3	8	5	20	15	13.4	35.3	22.0	88.6	66.5	
Rockingham Co.	16	17	29	44	67	20.1	21.2	35.7	53.7	81.8	
Staunton	10	28	49	49	58	41.0	114.2	196.6	196.5	232.6	
Waynesboro	16	40	45	53	63	73.1	179.2	198.9	234.2	278.4	
District Total	81	168	232	321	370	27.3	56.2	77.1	106.7	123.0	
Lord Fairfax Health District											
Clarke Co.	1	5	3	5	6	7.0	34.5	20.7	34.2	41.0	
Frederick Co.	19	38	40	34	37	22.5	43.9	45.3	38.1	41.4	
Page Co.	2	14	18	24	14	8.5	59.0	75.2	100.4	58.6	
Shenandoah Co.	22	16	31	22	13	51.0	37.0	71.3	50.4	29.8	
Warren Co.	19	30	34	34	27	48.5	75.8	85.0	84.7	67.2	
Winchester	16	36	48	32	26	58.1	128.9	170.8	114.0	92.6	
District Total	79	139	174	151	123	34.0	59.0	73.0	63.0	51.3	
Rappahannock Health District											
Caroline Co.	23	25	26	22	34	76.2	82.1	84.5	71.6	110.7	
Fredericksburg	44	41	41	37	58	155.5	144.6	140.7	127.4	199.8	
King George Co.	18	10	24	15	21	69.3	38.0	90.3	55.9	78.3	
Spotsylvania Co.	70	95	109	114	117	53.0	71.4	81.2	83.7	85.9	
Stafford Co.	86	106	116	136	123	59.6	72.3	77.4	89.0	80.5	
District Total	241	277	316	324	353	66.8	75.9	85.2	86.2	94.0	
Rappahannock/Rapidan Health District											
Culpeper Co.	15	32	34	23	34	30.0	62.4	65.6	43.7	64.6	
Fauquier Co.	17	29	25	26	30	24.6	41.7	35.4	36.5	42.1	
Madison Co.	1	8	7	0	1	7.6	60.3	52.7	0.0	7.5	
Orange Co.	13	13	17	23	19	36.6	36.0	46.4	62.1	51.3	
Rappahannock Co.	4	0	0	4	3	54.1	0.0	0.0	54.3	40.7	
District Total	50	82	83	76	87	28.5	46.2	46.2	41.9	47.9	

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Table 3GC-e. Southwest Region GC Diagnoses by Health District and City/County

	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	Trend
	No.	No.	No.	No.	No.	Rate	Rate	Rate	Rate	Rate	
Region Total	1,318	1,618	1,399	1,629	1,967	97.7	120.3	104.1	121.8	147.0	
Alleghany Health District											
Alleghany Co.	4	2	5	5	23	25.6	13.2	33.5	33.6	154.8	
Botetourt Co.	12	17	7	9	26	36.1	51.2	21.0	26.9	77.8	
Covington	1	3	2	2	13	18.1	54.2	36.6	36.1	234.7	
Craig Co.	1	1	0	2	4	19.4	19.8	0.0	39.0	78.0	
Roanoke Co.	76	72	47	68	100	80.8	76.8	50.0	72.2	106.2	
Salem	21	32	27	31	38	82.2	123.7	105.3	122.5	150.2	
District Total	115	127	88	117	204	64.2	71.1	49.3	65.6	114.3	
Central Virginia Health District											
Amherst Co.	20	22	27	41	54	63.2	69.6	85.3	129.7	170.9	
Appomattox Co.	12	14	14	36	32	77.5	89.3	88.4	226.3	201.1	
Bedford Co.	38	30	30	52	59	48.7	38.5	38.1	65.8	74.7	
Campbell Co.	29	43	31	84	106	52.8	78.2	56.4	153.0	193.1	
Lynchburg	149	183	203	232	285	185.8	225.9	247.2	282.3	346.9	
District Total	248	292	305	445	536	95.3	111.8	115.8	168.8	203.4	
Cumberland Plateau Health District											
Buchanan Co.	0	0	1	1	0	0.0	0.0	4.7	4.8	0.0	
Dickenson Co.	0	5	3	5	7	0.0	33.8	20.7	34.9	48.9	
Russell Co.	1	4	4	6	5	3.7	14.8	15.0	22.6	18.8	
Tazewell Co.	6	25	17	16	9	14.2	60.8	41.6	39.4	22.2	
District Total	7	34	25	28	21	6.6	32.6	24.2	27.3	20.5	
Lenowisco Health District											
Lee Co.	0	5	3	5	5	0.0	21.0	12.7	21.3	21.3	
Norton	0	1	1	2	4	0.0	25.4	25.2	50.2	100.5	
Scott Co.	2	2	8	10	21	9.1	9.1	37.2	46.4	97.4	
Wise Co.	10	18	16	19	28	25.5	46.6	42.1	50.8	74.9	
District Total	12	26	28	36	58	13.5	29.5	32.2	41.7	67.2	
Mount Rogers Health District											
Bland Co.	0	0	2	1	3	0.0	0.0	31.8	15.9	47.8	
Bristol	7	10	33	33	36	41.3	59.6	200.2	196.9	214.8	
Carroll Co.	4	6	12	14	25	13.5	20.2	40.5	47.0	83.9	
Galax	4	6	5	5	9	59.0	90.6	77.8	78.8	141.8	
Grayson Co.	5	4	5	11	17	33.1	25.5	32.0	70.7	109.3	
Smyth Co.	16	19	14	20	14	51.5	62.0	45.9	66.4	46.5	
Washington Co.	15	12	24	20	41	27.7	22.1	44.1	37.2	76.3	
Wythe Co.	3	8	8	35	35	10.3	27.7	27.8	122.0	122.0	
District Total	54	65	103	139	180	28.5	34.4	54.8	74.2	96.1	
New River Health District											
Floyd Co.	1	4	3	4	9	6.4	25.4	19.0	25.4	57.1	
Giles Co.	2	7	6	8	6	11.9	41.6	35.6	47.8	35.9	
Montgomery Co.	28	50	42	66	81	28.4	50.7	42.4	67.0	82.2	
Pulaski Co.	10	11	19	28	27	29.2	32.2	55.8	82.3	79.3	
Radford	20	25	34	51	25	114.4	141.6	185.4	279.5	137.0	
District Total	61	97	104	157	148	33.4	53.0	56.5	85.7	80.8	
Pittsylvania/Danville Health District											
Danville	174	209	137	74	88	415.3	508.1	336.7	184.8	219.8	

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Table 3GC-e, cont. Southwest Region GC Diagnoses by Health District and City/County

	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	
	No.	No.	No.	No.	No.	Rate	Rate	Rate	Rate	Rate	
Region Total	1,064	1,518	1,539	1,640	1,846	78.9	112.9	114.5	122.6	138.0	
Pittsylvania/Danville Health District											
Pittsylvania Co.	42	63	44	78	56	68.1	102.8	72.2	129.2	92.8	
District Total	216	272	181	152	144	208.5	265.7	178.1	151.4	143.4	
Roanoke Health District											
Roanoke	452	511	361	399	503	453.5	511.8	361.3	402.4	507.3	
District Total	452	511	361	399	503	453.5	511.8	361.3	402.4	507.3	
West Piedmont Health District											
Franklin Co.	48	40	53	60	53	85.6	70.9	94.3	107.1	94.6	
Henry Co.	59	88	80	50	68	114.7	171.8	157.0	98.9	134.5	
Martinsville	44	56	62	38	41	327.3	426.1	480.5	302.7	326.6	
Patrick Co.	2	10	9	8	11	11.2	56.6	50.9	45.4	62.5	
District Total	153	194	204	156	173	110.2	140.1	148.1	114.1	126.5	

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Table 4GC-a. Gonorrhea diagnoses by health district, alphabetical

	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	% Change	Trend
	No.	No.	No.	No.	No.	Rate	Rate	Rate	Rate	Rate		
Alexandria	195	224	202	222	199	125.2	140.0	125.8	139.2	124.8	-5.8%	
Alleghany	115	127	88	117	204	64.2	71.1	49.3	65.6	114.3	82.7%	
Arlington	185	223	244	275	219	80.4	94.9	102.7	116.1	92.5	-6.2%	
Blue Ridge	110	192	186	175	219	44.1	76.0	72.9	68.3	85.5	30.8%	
Central Shenandoah	81	168	232	321	370	27.3	56.2	77.1	106.7	123.0	84.0%	
Central Virginia	248	292	305	445	536	95.3	111.8	115.8	168.8	203.4	65.4%	
Chesapeake	365	451	453	568	653	153.4	187.6	186.7	232.0	266.7	40.4%	
Chesterfield	473	503	549	586	606	122.8	129.0	138.8	146.6	151.6	12.9%	
Chickahominy	117	107	100	100	111	75.3	68.0	62.6	61.9	68.7	2.6%	
Crater	532	542	510	654	575	341.8	349.1	328.5	421.8	370.9	2.9%	
Cumberland Plateau	7	34	25	28	21	6.6	32.6	24.2	27.3	20.5	-9.6%	
Eastern Shore	40	52	82	57	91	88.7	117.1	185.7	129.5	206.7	58.7%	
Fairfax	542	572	571	623	656	46.1	48.2	48.0	52.5	55.3	13.6%	
Hampton	480	574	491	573	715	354.5	426.2	365.6	426.0	531.6	35.2%	
Henrico	692	722	645	779	900	211.9	220.2	195.9	235.5	272.1	26.0%	
Lenowisco	12	26	28	36	58	13.5	29.5	32.2	41.7	67.2	130.0%	
Lord Fairfax	79	139	174	151	123	34.0	59.0	73.0	63.0	51.3	-10.4%	
Loudoun Co.	100	116	121	122	102	25.9	29.1	29.7	29.5	24.7	-13.7%	
Mount Rogers	54	65	103	139	180	28.5	34.4	54.8	74.2	96.1	100.3%	
New River	61	97	104	157	148	33.4	53.0	56.5	85.7	80.8	41.3%	
Norfolk	997	1,084	1,116	1,281	1,530	406.7	443.0	457.2	527.7	630.3	37.4%	
Peninsula	825	940	891	970	1,125	234.8	268.8	254.6	276.2	320.3	23.9%	
Piedmont	87	134	132	154	140	84.7	130.9	129.1	150.5	136.8	10.5%	
Pittsylvania/Danville	216	272	181	152	144	208.5	265.7	178.1	151.4	143.4	-28.6%	
Portsmouth	477	475	536	639	677	500.8	502.3	566.4	676.9	717.2	27.7%	
Prince William	354	405	397	450	513	69.1	77.7	75.3	85.1	97.0	26.3%	
Rappahannock	241	277	316	324	353	66.8	75.9	85.2	86.2	94.0	19.6%	
Rapp./Rapidan	50	82	83	76	87	28.5	46.2	46.2	41.9	47.9	17.8%	
Richmond City	1,338	1,246	1,299	1,356	1,272	599.5	548.8	567.8	588.4	552.0	-4.2%	
Roanoke City	452	511	361	399	503	453.5	511.8	361.3	402.4	507.3	17.4%	
Southside	107	120	144	156	216	130.3	147.3	177.4	193.2	267.6	65.1%	
Three Rivers	86	131	117	134	138	61.0	92.7	82.6	94.6	97.4	17.8%	
Virginia Beach	669	795	672	826	925	147.8	176.5	149.3	183.6	205.6	25.1%	
West Piedmont	153	194	204	156	173	110.2	140.1	148.1	114.1	126.5	-1.3%	
Western Tidewater	296	301	297	405	464	194.4	197.1	193.2	261.6	299.7	41.7%	
Virginia Total	10,836	12,193	11,959	13,606	14,946	128.8	144.0	140.4	159.4	175.1	22.3%	

*Percent change compares the 2020 rate to the 2016 - 2019 average annual rate.

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Table 4GC-b. Gonorrhea diagnoses by health district, by descending rate (2020)

	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	% Change	Trend
	No.	No.	No.	No.	No.	Rate	Rate	Rate	Rate	Rate		
Portsmouth	477	475	536	639	677	500.8	502.3	566.4	676.9	717.2	27.7%	
Norfolk	997	1,084	1,116	1,281	1,530	406.7	443.0	457.2	527.7	630.3	37.4%	
Richmond City	1,338	1,246	1,299	1,356	1,272	599.5	548.8	567.8	588.4	552.0	-4.2%	
Hampton	480	574	491	573	715	354.5	426.2	365.6	426.0	531.6	35.2%	
Roanoke City	452	511	361	399	503	453.5	511.8	361.3	402.4	507.3	17.4%	
Crater	532	542	510	654	575	341.8	349.1	328.5	421.8	370.9	2.9%	
Peninsula	825	940	891	970	1,125	234.8	268.8	254.6	276.2	320.3	23.9%	
Western Tidewater	296	301	297	405	464	194.4	197.1	193.2	261.6	299.7	41.7%	
Henrico	692	722	645	779	900	211.9	220.2	195.9	235.5	272.1	26.0%	
Southside	107	120	144	156	216	130.3	147.3	177.4	193.2	267.6	65.1%	
Chesapeake	365	451	453	568	653	153.4	187.6	186.7	232.0	266.7	40.4%	
Eastern Shore	40	52	82	57	91	88.7	117.1	185.7	129.5	206.7	58.7%	
Virginia Beach	669	795	672	826	925	147.8	176.5	149.3	183.6	205.6	25.1%	
Central Virginia	248	292	305	445	536	95.3	111.8	115.8	168.8	203.4	65.4%	
Virginia Total	10,836	12,193	11,959	13,606	14,946	128.8	144.0	140.4	159.4	175.1	22.3%	
Chesterfield	473	503	549	586	606	122.8	129.0	138.8	146.6	151.6	12.9%	
Pittsylvania/Danville	216	272	181	152	144	208.5	265.7	178.1	151.4	143.4	-28.6%	
Piedmont	87	134	132	154	140	84.7	130.9	129.1	150.5	136.8	10.5%	
West Piedmont	153	194	204	156	173	110.2	140.1	148.1	114.1	126.5	-1.3%	
Alexandria	195	224	202	222	199	125.2	140.0	125.8	139.2	124.8	-5.8%	
Central Shenandoah	81	168	232	321	370	27.3	56.2	77.1	106.7	123.0	84.0%	
Alleghany	115	127	88	117	204	64.2	71.1	49.3	65.6	114.3	82.7%	
Three Rivers	86	131	117	134	138	61.0	92.7	82.6	94.6	97.4	17.8%	
Prince William	354	405	397	450	513	69.1	77.7	75.3	85.1	97.0	26.3%	
Mount Rogers	54	65	103	139	180	28.5	34.4	54.8	74.2	96.1	100.3%	
Rappahannock	241	277	316	324	353	66.8	75.9	85.2	86.2	94.0	19.6%	
Arlington	185	223	244	275	219	80.4	94.9	102.7	116.1	92.5	-6.2%	
Blue Ridge	110	192	186	175	219	44.1	76.0	72.9	68.3	85.5	30.8%	
New River	61	97	104	157	148	33.4	53.0	56.5	85.7	80.8	41.3%	
Chickahominy	117	107	100	100	111	75.3	68.0	62.6	61.9	68.7	2.6%	
Lenowisco	12	26	28	36	58	13.5	29.5	32.2	41.7	67.2	130.0%	
Fairfax	542	572	571	623	656	46.1	48.2	48.0	52.5	55.3	13.6%	
Lord Fairfax	79	139	174	151	123	34.0	59.0	73.0	63.0	51.3	-10.4%	
Rapp./Rapidan	50	82	83	76	87	28.5	46.2	46.2	41.9	47.9	17.8%	
Loudoun Co.	100	116	121	122	102	25.9	29.1	29.7	29.5	24.7	-13.7%	
Cumberland Plateau	7	34	25	28	21	6.6	32.6	24.2	27.3	20.5	-9.6%	

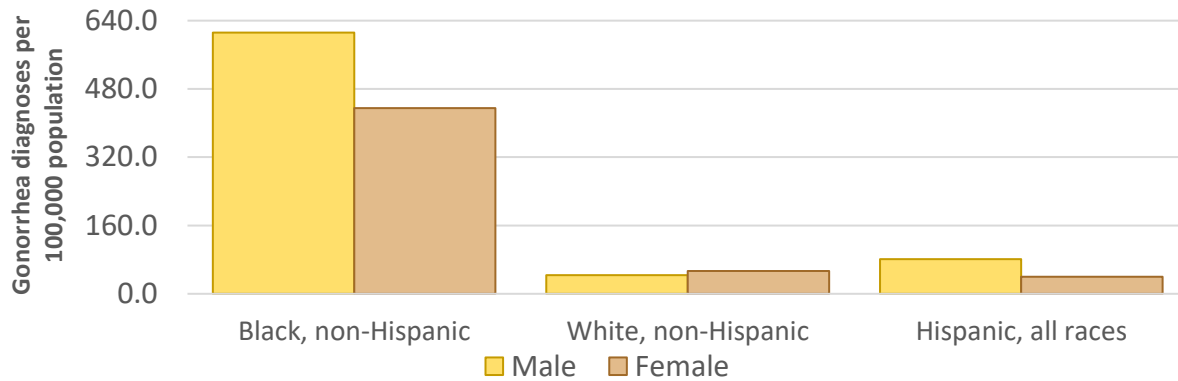
*Percent change compares the 2020 rate to the 2016 - 2019 average annual rate.

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Table 6GC. Gonorrhea Diagnoses by Additional Demographics, 2020

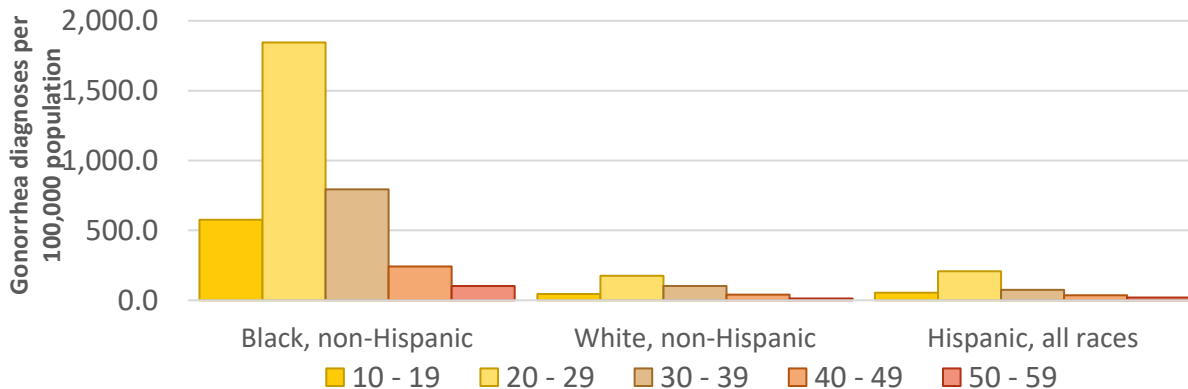
	Black, non-Hispanic		White, non-Hispanic		Hispanic, all races		Multi-race or other	Unknown
	No.	Rate	No.	Rate	No.	Rate	No.	No.
Total	8,894	521	2,589	48.5	516	61.8	361	2,586
Gender								
Male	5,022	612.2	1,144	43.4	348	81.0	209	1,472
Female	3,855	434.7	1,439	53.3	161	39.8	150	1,097
Transgender/ Other	15	--	4	--	5	--	2	0
Unknown	2	--	2	--	2	--	0	17

Figure 4GC. Gonorrhea diagnoses by race/ethnicity and gender, 2020



	Black, non-Hispanic		White, non-Hispanic		Hispanic, all races		Multi-race or other	Unknown
	No.	Rate	No.	Rate	No.	Rate	No.	No.
Total	8,894	521	2,589	48.5	516	61.8	361	2,586
Age at diagnosis								
< 10	3	1.3	2	0.4	0	0.0	0	3
10 - 19	1,354	575.7	277	45.7	77	55.0	52	578
20 - 29	4,872	1,843.7	1,210	176.7	274	207.4	187	1,192
30 - 39	1,878	793.5	696	101.7	104	75.3	86	468
40 - 49	497	241.9	258	39.9	44	36.5	20	209
50 - 59	230	102.8	100	13.3	16	20.1	12	97
60 +	60	18.8	45	8.0	1	1.5	4	38

Figure 5GC. Gonorrhea diagnoses by race/ethnicity and age, 2020



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Table 6GC. Gonorrhea Diagnoses by Additional Demographics, 2020

	Male		Female		Transgender/ Other	
	No.	Rate	No.	Rate	No.	Rate
Total	8,195	195.1	6,702	154.6	26	--
Age at diagnosis						
< 10	2	0.4	5	1.0	0	--
10 - 19	908	167.1	1,424	271.9	1	--
20 - 29	4,022	665.5	3,689	648.1	14	--
30 - 39	2,069	352.3	1,152	197.7	8	--
40 - 49	695	130.3	327	60.0	3	--
50 - 59	374	67.5	80	9.6	0	--
60 +	124	14.5	24	2.3	0	--

Figure 6GC. Gonorrhea diagnoses by gender and age at diagnosis, 2020

