

VIRGINIA STD SURVEILLANCE REPORT

Table 1GC New Gonorrhea Diagnoses

	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	Trend
	No.	No.	No.	No.	No.	Rate	Rate	Rate	Rate	Rate	
Total	12,203	11,963	13,612	14,954	14,355	144.1	140.4	159.5	174.1	167.1	
Gender											
Male	6,608	6,611	7,661	8,202	7,868	158.6	157.8	182.4	194.0	186.1	
Female	5,521	5,305	5,909	6,699	6,435	128.3	122.6	136.3	153.5	147.5	
Transgender/other	24	31	40	34	50	--	--	--	--	--	
Unknown	50	16	2	19	2	--	--	--	--	--	
Age at diagnosis											
< 10	4	1	2	3	0	0.4	0.1	0.2	0.3	0.0	
10 - 14	37	52	54	44	57	7.1	9.8	10.3	8.3	10.8	
15 - 19	2,234	2,061	2,260	2,296	2,024	413.8	380.1	417.1	423.2	373.0	
20 - 24	3,826	3,615	4,205	4,308	4,120	656.5	624.6	735.6	749.8	717.1	
25 - 29	2,800	2,719	3,052	3,434	3,085	466.1	450.0	507.0	572.0	513.9	
30 - 34	1,384	1,475	1,712	2,158	2,227	236.7	251.7	290.9	362.6	374.2	
35 - 39	778	870	982	1,077	1,152	136.6	150.4	168.8	184.3	197.1	
40 - 44	383	395	509	678	727	73.1	75.1	95.9	124.9	134.0	
45 - 49	289	286	306	350	341	51.1	51.2	55.9	65.3	63.7	
50 - 54	208	213	232	236	270	35.7	37.5	42.0	43.0	49.2	
55 - 59	129	139	153	220	205	22.1	23.8	26.2	37.9	35.3	
60 - 64	78	82	93	76	92	15.2	15.7	17.5	14.2	17.1	
> 64	38	49	51	71	54	3.0	3.7	3.8	5.1	3.9	
Unknown	15	6	1	3	1	--	--	--	--	--	
Race/ethnicity											
Black, non-Hispanic	7,163	7,463	8,495	9,018	7,608	423.9	438.9	497.6	523.7	441.9	
White, non-Hispanic	1,885	2,189	2,597	2,624	2,364	35.3	41.0	48.6	49.2	44.3	
Hispanic (all races)	372	431	512	536	540	46.8	52.5	61.4	62.7	63.1	
Other/multi-race	271	307	385	376	410	--	--	--	--	--	
Unknown	2,512	1,573	1,623	2,400	3,433	--	--	--	--	--	
Health Region											
Central	3,375	3,381	3,786	3,824	3,414	234.1	232.8	259.2	259.9	232.0	
Eastern	4,813	4,657	5,458	6,325	5,650	259.8	251.0	293.7	338.6	302.4	
Northern	1,540	1,535	1,692	1,690	1,945	61.6	60.9	67.0	66.4	76.4	
Northwest	857	991	1,047	1,152	1,385	64.5	73.7	77.3	84.2	101.2	
Southwest	1,618	1,399	1,629	1,963	1,961	120.3	104.1	121.8	146.8	146.7	
Disseminated gonorrhea infection (DGI)**											
						Percent of total GC cases that are DGI					
Total diagnoses	--	3	10	21	23	--	0.03%	0.07%	0.14%	0.16%	

****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, 2017 - 2021

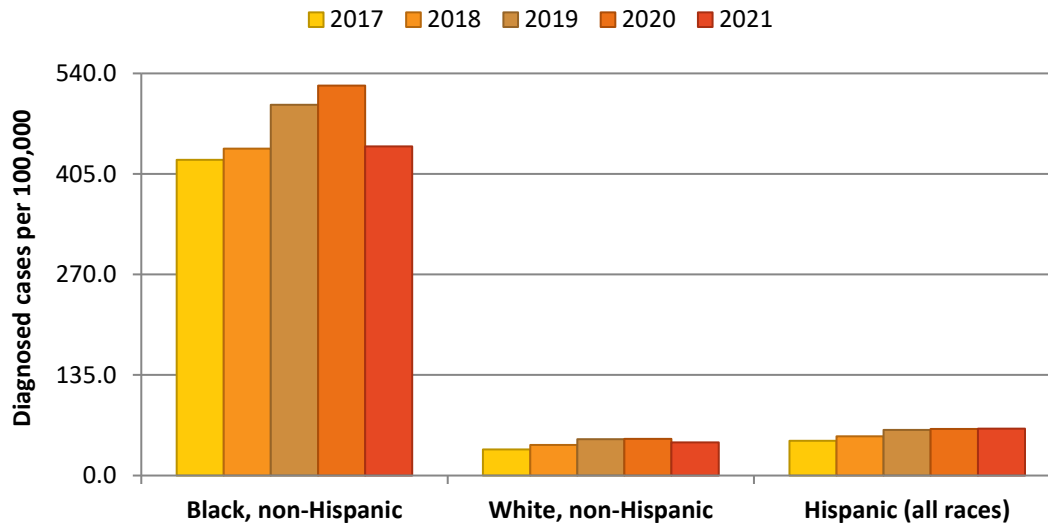


Figure 2GC. Rate of Gonorrhea diagnoses by gender, 2017 - 2021

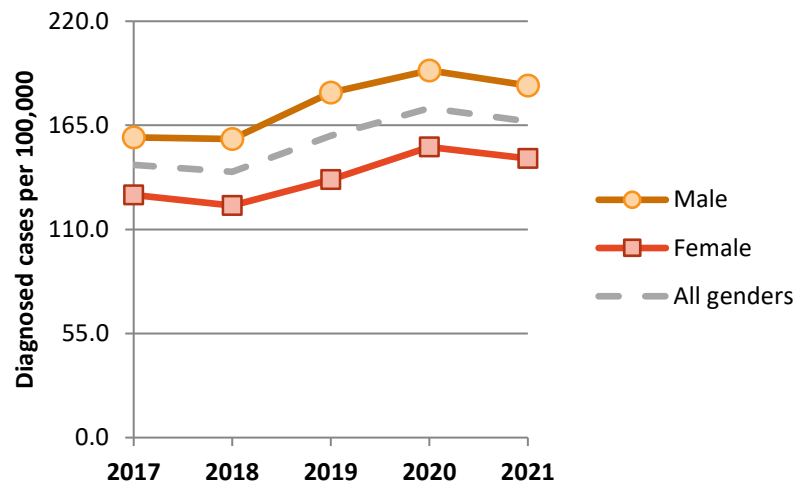
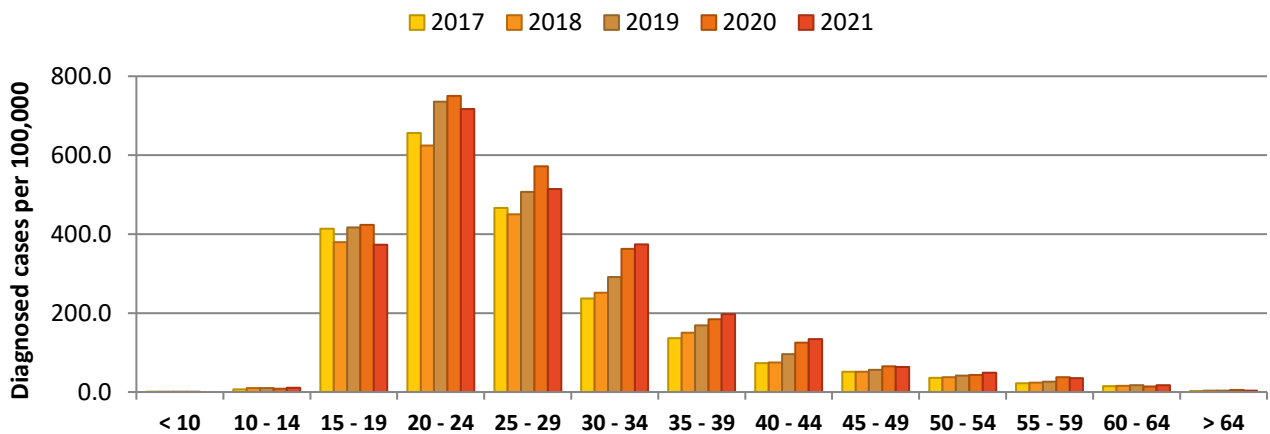


Figure 3GC. Rate of Gonorrhea diagnoses by age in years, 2017 - 2021



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Table 2GC. Gonorrhea Diagnoses by Region, 2021

	Central	Eastern	Northern	Northwest	Southwest
	No.	No.	No.	No.	No.
Total	3,414	5,650	1,945	1,385	1,961
Gender					
Male	1,859	2,934	1,392	754	929
Female	1,539	2,693	544	628	1,031
Transgender	15	22	9	3	1
<i>% Female</i> <i>% Male</i>					
Age in years					
< 10	0	0	0	0	0
10 - 14	19	26	4	2	6
15 - 19	501	931	187	131	274
20 - 24	925	1,839	463	368	525
25 - 29	746	1,216	445	318	360
30 - 34	554	752	328	254	339
35 - 39	275	362	191	139	185
40 - 44	160	246	144	69	108
45 - 49	77	109	60	35	60
50 - 54	74	79	41	35	41
55 - 59	46	57	48	18	36
60 - 64	23	19	26	9	15
> 64	13	14	8	7	12
Race/ethnicity					
Black, non-Hispanic	2,196	3,731	528	397	756
White, non-Hispanic	377	550	258	575	604
Hispanic (all races)	64	106	277	56	37
Other/ Multi-race	59	193	99	36	23
Unknown	718	1,070	783	321	541

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

	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	Trend
	No.	No.	No.	No.	No.	Rate	Rate	Rate	Rate	Rate	
Region Total	3,375	3,381	3,786	3,824	3,414	234.1	232.8	259.2	259.9	232.0	
Chesterfield Health District											
Chesterfield Co.	460	502	539	565	478	133.9	144.0	152.8	157.7	133.4	
Colonial Heights	28	33	34	27	25	157.0	185.1	195.7	156.9	145.3	
Powhatan Co.	15	15	13	14	16	52.4	51.4	43.8	46.4	53.1	
District Total	503	550	586	606	519	129.0	139.0	146.6	149.4	128.0	
Chickahominy Health District											
Charles City Co.	6	10	7	9	11	85.7	144.1	100.5	131.9	161.3	
Goochland Co.	10	11	16	13	17	44.1	47.3	67.4	53.2	69.6	
Hanover Co.	76	61	65	75	70	71.8	56.9	60.3	69.3	64.7	
New Kent Co.	15	18	12	14	7	69.2	80.4	52.0	59.2	29.6	
District Total	107	100	100	111	105	68.0	62.6	61.9	68.0	64.4	
Crater Health District											
Dinwiddie Co.	36	42	54	42	49	127.6	147.2	189.2	146.4	170.8	
Emporia	18	16	25	30	26	340.8	312.4	467.6	570.7	494.6	
Greensville Co.	18	11	13	24	18	154.1	94.6	114.7	212.8	159.6	
Hopewell	103	97	114	136	103	455.3	429.3	506.0	607.8	460.3	
Petersburg	229	223	310	243	173	721.3	706.4	989.0	798.1	568.2	
Prince George Co.	86	84	103	77	64	227.5	220.6	268.6	199.0	165.4	
Surry Co.	16	14	11	5	10	244.6	216.2	171.3	78.3	156.6	
Sussex Co.	36	23	24	21	26	316.5	204.7	215.1	192.2	238.0	
District Total	542	510	654	578	469	349.1	328.5	421.8	375.2	304.5	
Henrico Health District											
Henrico Co.	723	645	779	900	693	220.5	195.9	235.5	269.6	207.6	
District Total	723	645	779	900	693	220.5	195.9	235.5	269.6	207.6	
Piedmont Health District											
Amelia Co.	9	11	11	12	11	69.1	84.5	83.7	92.2	84.5	
Buckingham Co.	29	26	10	14	25	169.9	153.0	58.3	81.5	145.6	
Charlotte Co.	13	9	19	21	16	107.3	75.4	159.9	177.7	134.7	
Cumberland Co.	18	12	17	11	20	183.5	122.3	171.2	110.7	201.3	
Lunenburg Co.	9	16	21	20	38	73.6	132.4	172.2	163.0	309.8	
Nottoway Co.	23	35	25	17	21	149.0	227.0	164.1	112.1	138.5	
Prince Edward Co.	33	23	51	46	63	145.4	100.2	223.7	199.9	273.8	
District Total	134	132	154	141	194	130.9	129.1	150.5	137.7	189.5	
Richmond City Health District											
Richmond City	1,246	1,300	1,357	1,272	1,234	548.8	568.2	588.9	547.7	531.4	
District Total	1,246	1,300	1,357	1,272	1,234	548.8	568.2	588.9	547.7	531.4	
Southside Health District											
Brunswick Co.	28	40	35	57	43	172.4	244.1	215.6	355.4	268.1	
Halifax Co.	43	48	61	86	66	124.4	140.7	179.9	255.7	196.2	
Mecklenburg Co.	49	56	60	73	91	159.7	182.7	196.2	237.9	296.6	
District Total	120	144	156	216	200	147.3	177.4	193.2	268.8	248.9	

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

	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	Trend
	No.	No.	No.	No.	No.	Rate	Rate	Rate	Rate	Rate	
Region Total	4,813	4,657	5,458	6,325	5,650	259.8	251.0	293.7	338.6	302.4	
Chesapeake Health District											
Chesapeake	451	453	568	653	626	187.6	186.7	232.0	264.4	253.4	
District Total	451	453	568	653	626	187.6	186.7	232.0	264.4	253.4	
Eastern Shore Health District											
Accomack Co.	40	66	41	66	41	122.9	203.6	126.9	204.7	127.2	
Northampton Co.	12	16	16	25	33	101.3	136.3	136.6	214.2	282.7	
District Total	52	82	57	91	74	117.1	185.7	129.5	207.2	168.5	
Hampton Health District											
Hampton	574	491	574	715	667	426.2	365.6	426.7	527.8	492.4	
District Total	574	491	574	715	667	426.2	365.6	426.7	527.8	492.4	
Norfolk Health District											
Norfolk	1,085	1,116	1,282	1,531	1,242	443.4	457.2	528.1	630.6	511.5	
District Total	1,085	1,116	1,282	1,531	1,242	443.4	457.2	528.1	630.6	511.5	
Peninsula Health District											
James City Co.	51	41	68	71	64	67.5	53.7	88.9	91.5	82.5	
Newport News	817	769	823	951	853	455.4	430.5	459.2	531.1	476.4	
Poquoson	5	5	4	6	4	41.5	41.0	32.6	49.0	32.6	
Williamsburg	17	22	23	21	16	113.1	147.7	153.8	137.6	104.9	
York Co.	51	54	52	76	53	75.3	79.6	76.2	109.8	76.6	
District Total	941	891	970	1,125	990	269.1	254.6	276.2	318.3	280.1	
Portsmouth Health District											
Portsmouth	483	538	642	680	643	510.7	568.5	680.1	715.1	676.2	
District Total	483	538	642	680	643	510.7	568.5	680.1	715.1	676.2	
Three Rivers Health District											
Essex Co.	21	12	11	13	7	190.4	109.9	100.4	118.8	64.0	
Gloucester Co.	26	32	32	30	24	69.7	85.7	85.7	80.1	64.1	
King William Co.	17	10	10	18	14	242.8	142.0	142.3	259.3	201.7	
King and Queen Co.	10	5	9	10	7	59.9	29.5	52.5	56.7	39.7	
Lancaster Co.	12	5	23	13	10	111.2	46.4	216.9	122.4	94.2	
Mathews Co.	1	8	5	2	2	11.4	90.9	56.6	22.8	22.8	
Middlesex Co.	6	5	8	8	4	56.2	46.4	75.6	75.7	37.8	
Northumberland Co.	11	12	4	16	10	89.6	98.8	33.1	132.6	82.9	
Richmond Co.	4	8	13	9	9	44.7	88.5	144.1	99.2	99.2	
Westmoreland Co.	23	20	19	19	19	129.4	112.2	105.5	104.7	104.7	
District Total	131	117	134	138	106	92.7	82.6	94.6	97.0	74.5	
Virginia Beach Health District											
Virginia Beach	795	672	826	928	906	176.5	149.3	183.6	205.7	200.8	
District Total	795	672	826	928	906	176.5	149.3	183.6	205.7	200.8	
Western Tidewater Health District											
Franklin City	33	30	22	37	19	403.6	374.4	276.1	472.4	242.6	
Isle of Wight Co.	47	44	57	77	50	128.6	119.1	153.6	204.1	132.5	
Southampton Co.	27	22	36	42	25	152.1	125.1	204.2	238.1	141.8	
Suffolk	194	201	290	308	302	215.0	220.4	314.8	328.0	321.6	
District Total	301	297	405	464	396	197.1	193.2	261.6	295.3	252.1	

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

	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	Trend
	No.	No.	No.	No.	No.	Rate	Rate	Rate	Rate	Rate	
Region Total	1,540	1,535	1,692	1,690	1,945	61.6	60.9	67.0	66.4	76.4	
Alexandria Health District											
Alexandria	224	202	222	199	244	140.0	125.8	139.2	125.4	153.7	
District Total	224	202	222	199	244	140.0	125.8	139.2	125.4	153.7	
Arlington Health District											
Arlington	223	244	275	220	271	94.9	102.7	116.1	91.6	112.9	
District Total	223	244	275	220	271	94.9	102.7	116.1	91.6	112.9	
Fairfax Health District											
Fairfax City	12	14	17	12	18	49.8	57.0	70.8	51.2	76.8	
Fairfax Co.	547	554	595	639	733	47.6	48.1	51.9	55.5	63.7	
Falls Church	13	3	11	5	4	89.1	20.3	75.3	34.2	27.3	
District Total	572	571	623	656	755	48.2	48.0	52.5	55.2	63.5	
Loudoun Health District											
Loudoun Co.	116	121	122	102	130	29.1	29.7	29.5	24.1	30.7	
District Total	116	121	122	102	130	29.1	29.7	29.5	24.1	30.7	
Prince William Health District											
Manassas	41	41	25	47	46	98.8	98.5	60.8	115.0	112.6	
Manassas Park	11	11	10	14	13	66.3	63.6	57.2	77.8	72.2	
Prince William Co.	353	345	415	452	486	76.2	73.7	88.2	95.1	102.2	
District Total	405	397	450	513	545	77.7	75.3	85.1	96.0	102.0	

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

	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	Trend
	No.	No.	No.	No.	No.	Rate	Rate	Rate	Rate	Rate	
Region Total	857	991	1,047	1,152	1,385	64.5	73.7	77.3	84.2	101.2	
Blue Ridge Health District											
Albemarle Co.	81	77	74	78	143	75.2	70.8	67.7	70.5	129.2	
Charlottesville	63	63	56	53	110	131.2	130.9	118.5	112.9	234.3	
Fluvanna Co.	9	12	8	16	26	34.0	44.8	29.3	58.3	94.8	
Greene Co.	8	6	7	11	9	40.8	30.3	35.3	54.6	44.7	
Louisa Co.	25	21	23	43	25	69.7	57.1	61.2	112.8	65.6	
Nelson Co.	6	7	7	17	24	40.2	47.2	46.9	115.2	162.7	
District Total	192	186	175	218	337	76.0	72.9	68.3	84.5	130.6	
Central Shenandoah District											
Augusta Co.	41	70	69	80	111	54.6	92.8	91.3	104.5	145.0	
Bath Co.	0	2	1	1	1	0.0	46.6	24.1	24.3	24.3	
Buena Vista	4	1	3	6	12	63.2	16.0	46.3	93.7	187.4	
Harrisonburg	23	30	75	77	83	42.4	55.5	141.5	144.7	156.0	
Highland Co.	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	
Lexington	6	1	7	3	6	84.4	14.0	94.0	41.2	82.4	
Rockbridge Co.	8	5	20	15	6	35.3	22.0	88.6	65.9	26.4	
Rockingham Co.	17	29	44	68	101	21.2	35.7	53.7	82.6	122.7	
Staunton	28	49	49	58	64	114.2	196.6	196.5	230.3	254.1	
Waynesboro	40	45	53	63	88	179.2	198.9	234.2	277.0	387.0	
District Total	167	232	321	371	472	55.8	77.1	106.7	122.5	155.9	
Lord Fairfax Health District											
Clarke Co.	5	3	5	6	2	34.5	20.7	34.2	41.0	13.7	
Frederick Co.	38	40	34	37	34	43.9	45.3	38.1	40.6	37.3	
Page Co.	14	18	24	14	21	59.0	75.2	100.4	58.5	87.7	
Shenandoah Co.	16	31	22	13	24	37.0	71.3	50.4	29.6	54.7	
Warren Co.	30	34	34	27	16	75.8	85.0	84.7	66.7	39.5	
Winchester	36	48	32	26	27	128.9	170.8	114.0	93.9	97.5	
District Total	139	174	151	123	124	59.0	73.0	63.0	50.9	51.3	
Rappahannock Health District											
Caroline Co.	25	26	22	34	35	82.1	84.5	71.6	110.2	113.4	
Fredericksburg	41	41	37	58	44	144.6	140.7	127.4	196.7	149.2	
King George Co.	10	24	15	21	25	38.0	90.3	55.9	76.7	91.3	
Spotsylvania Co.	95	109	114	117	134	71.4	81.2	83.7	84.5	96.8	
Stafford Co.	106	116	136	123	134	72.3	77.4	89.0	78.5	85.5	
District Total	277	316	324	353	372	75.9	85.2	86.2	92.2	97.1	
Rappahannock/Rapidan Health District											
Culpeper Co.	32	34	23	34	24	62.4	65.6	43.7	63.5	44.8	
Fauquier Co.	29	25	26	30	35	41.7	35.4	36.5	42.0	49.0	
Madison Co.	8	7	0	1	2	60.3	52.7	0.0	7.5	15.0	
Orange Co.	13	17	23	19	16	36.0	46.4	62.1	50.4	42.4	
Rappahannock Co.	0	0	4	3	3	0.0	0.0	54.3	41.3	41.3	
District Total	82	83	76	87	80	46.2	46.2	41.9	47.5	43.7	

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

	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	Trend
	No.	No.	No.	No.	No.	Rate	Rate	Rate	Rate	Rate	
Region Total	1,618	1,399	1,629	1,963	1,961	120.3	104.1	121.8	146.8	146.7	
Alleghany Health District											
Alleghany Co.	2	5	5	23	11	13.2	33.5	33.6	156.5	74.8	
Botetourt Co.	17	7	9	26	25	51.2	21.0	26.9	77.3	74.3	
Covington	3	2	2	13	6	54.2	36.6	36.1	230.5	106.4	
Craig Co.	1	0	2	4	1	19.8	0.0	39.0	78.8	19.7	
Roanoke Co.	72	47	68	99	109	76.8	50.0	72.2	104.8	115.3	
Salem	32	27	31	38	37	123.7	105.3	122.5	150.0	146.0	
District Total	127	88	117	203	189	71.1	49.3	65.6	113.5	105.6	
Central Virginia Health District											
Amherst Co.	22	27	41	54	39	69.6	85.3	129.7	170.5	123.2	
Appomattox Co.	14	14	36	32	17	89.3	88.4	226.3	199.5	106.0	
Bedford Co.	30	30	52	59	62	38.5	38.1	65.8	73.9	77.7	
Campbell Co.	43	31	84	105	76	78.2	56.4	153.0	189.9	137.4	
Lynchburg	183	203	232	285	241	225.9	247.2	282.3	349.4	295.5	
District Total	292	305	445	535	435	111.8	115.8	168.8	202.4	164.5	
Cumberland Plateau Health District											
Buchanan Co.	0	1	1	0	3	0.0	4.7	4.8	0.0	14.6	
Dickenson Co.	5	3	5	7	7	33.8	20.7	34.9	49.7	49.7	
Russell Co.	4	4	6	5	16	14.8	15.0	22.6	18.8	60.0	
Tazewell Co.	25	17	16	9	10	60.8	41.6	39.4	22.2	24.7	
District Total	34	25	28	21	36	32.6	24.2	27.3	20.6	35.3	
Lenowisco Health District											
Lee Co.	5	3	5	5	12	21.0	12.7	21.3	21.5	51.6	
Norton	1	1	2	4	3	25.4	25.2	50.2	100.4	75.3	
Scott Co.	2	8	10	21	15	9.1	37.2	46.4	97.1	69.4	
Wise Co.	18	16	19	28	24	46.6	42.1	50.8	75.3	64.5	
District Total	26	28	36	58	54	29.5	32.2	41.7	67.4	62.7	
Mount Rogers Health District											
Bland Co.	0	2	1	3	1	0.0	31.8	15.9	48.1	16.0	
Bristol	10	33	33	36	45	59.6	200.2	196.9	207.7	259.7	
Carroll Co.	6	12	14	25	27	20.2	40.5	47.0	83.1	89.8	
Galax	6	5	5	9	11	90.6	77.8	78.8	142.9	174.7	
Grayson Co.	4	5	11	17	6	25.5	32.0	70.7	109.7	38.7	
Smyth Co.	19	14	20	14	21	62.0	45.9	66.4	46.5	69.8	
Washington Co.	12	24	20	41	51	22.1	44.1	37.2	76.4	95.0	
Wythe Co.	8	8	35	35	22	27.7	27.8	122.0	122.3	76.9	
District Total	65	103	139	180	184	34.4	54.8	74.2	95.8	98.0	
New River Health District											
Floyd Co.	4	3	4	9	4	25.4	19.0	25.4	57.0	25.4	
Giles Co.	7	6	8	6	4	41.6	35.6	47.8	36.0	24.0	
Montgomery Co.	50	42	66	81	78	50.7	42.4	67.0	82.3	79.3	
Pulaski Co.	11	19	28	27	41	32.2	55.8	82.3	79.6	120.8	
Radford	25	34	51	25	26	141.6	185.4	279.5	136.9	142.4	
District Total	97	104	157	148	153	53.0	56.5	85.7	80.9	83.6	
Pittsylvania/Danville Health District											
Danville	209	137	74	88	108	508.1	336.7	184.8	220.7	270.9	

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

	2017	2018	2019	2020	2021		2017	2018	2019	2020	2021	
	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.	63	44	78	56	60		102.8	72.2	129.2	93.6	100.3	
District Total	272	181	152	144	168		262.6	176.8	149.5	143.4	167.3	
Roanoke Health District												
Roanoke	511	361	399	501	606		511.8	361.3	402.4	505.8	611.8	
District Total	511	361	399	501	606		511.8	361.3	402.4	505.8	611.8	
West Piedmont Health District												
Franklin Co.	40	53	60	53	56		70.9	94.3	107.1	94.4	99.7	
Henry Co.	88	80	50	68	36		171.8	157.0	98.9	135.2	71.6	
Martinsville	56	62	38	41	34		426.1	480.5	302.7	331.8	275.2	
Patrick Co.	10	9	8	11	10		56.6	50.9	45.4	62.9	57.2	
District Total	194	204	156	173	136		140.1	148.1	114.1	126.9	99.8	

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

	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	% Change	Trend
	No.	No.	No.	No.	No.	Rate	Rate	Rate	Rate	Rate		
Alexandria	224	202	222	199	244	140.0	125.8	139.2	125.4	153.7	15.9%	
Alleghany	127	88	117	203	189	71.1	49.3	65.6	113.5	105.6	41.1%	
Arlington	223	244	275	220	271	94.9	102.7	116.1	91.6	112.9	11.4%	
Blue Ridge	192	186	175	218	337	76.0	72.9	68.3	84.5	130.6	73.1%	
Central Shenandoah	167	232	321	371	472	55.8	77.1	106.7	122.5	155.9	72.2%	
Central Virginia	292	305	445	535	435	111.8	115.8	168.8	202.4	164.5	9.9%	
Chesapeake	451	453	568	653	626	187.6	186.7	232.0	264.4	253.4	16.4%	
Chesterfield	503	550	586	606	519	129.0	139.0	146.6	149.4	128.0	-9.2%	
Chickahominy	107	100	100	111	105	68.0	62.6	61.9	68.0	64.4	-1.2%	
Crater	542	510	654	578	469	349.1	328.5	421.8	375.2	304.5	-17.4%	
Cumberland Plateau	34	25	28	21	36	32.6	24.2	27.3	20.6	35.3	35.0%	
Eastern Shore	52	82	57	91	74	117.1	185.7	129.5	207.2	168.5	5.4%	
Fairfax	572	571	623	656	755	48.2	48.0	52.5	55.2	63.5	24.6%	
Hampton	574	491	574	715	667	426.2	365.6	426.7	527.8	492.4	12.8%	
Henrico	723	645	779	900	693	220.5	195.9	235.5	269.6	207.6	-9.9%	
Lenowisco	26	28	36	58	54	29.5	32.2	41.7	67.4	62.7	47.0%	
Lord Fairfax	139	174	151	123	124	59.0	73.0	63.0	50.9	51.3	-16.6%	
Loudoun Co.	116	121	122	102	130	29.1	29.7	29.5	24.1	30.7	9.3%	
Mount Rogers	65	103	139	180	184	34.4	54.8	74.2	95.8	98.0	51.2%	
New River	97	104	157	148	153	53.0	56.5	85.7	80.9	83.6	21.1%	
Norfolk	1,085	1,116	1,282	1,531	1,242	443.4	457.2	528.1	630.6	511.5	-0.6%	
Peninsula	941	891	970	1,125	990	269.1	254.6	276.2	318.3	280.1	0.2%	
Piedmont	134	132	154	141	194	130.9	129.1	150.5	137.7	189.5	38.3%	
Pittsylvania/Danville	272	181	152	144	168	262.6	176.8	149.5	143.4	167.3	-8.6%	
Portsmouth	483	538	642	680	643	510.7	568.5	680.1	715.1	676.2	9.3%	
Prince William	405	397	450	513	545	77.7	75.3	85.1	96.0	102.0	22.1%	
Rappahannock	277	316	324	353	372	75.9	85.2	86.2	92.2	97.1	14.4%	
Rapp./Rapidan	82	83	76	87	80	46.2	46.2	41.9	47.5	43.7	-3.9%	
Richmond City	1,246	1,300	1,357	1,272	1,234	548.8	568.2	588.9	547.7	531.4	-5.7%	
Roanoke City	511	361	399	501	606	511.8	361.3	402.4	505.8	611.8	37.4%	
Southside	120	144	156	216	200	147.3	177.4	193.2	268.8	248.9	26.6%	
Three Rivers	131	117	134	138	106	92.7	82.6	94.6	97.0	74.5	-18.8%	
Virginia Beach	795	672	826	928	906	176.5	149.3	183.6	205.7	200.8	12.3%	
West Piedmont	194	204	156	173	136	140.1	148.1	114.1	126.9	99.8	-24.6%	
Western Tidewater	301	297	405	464	396	197.1	193.2	261.6	295.3	252.1	6.4%	
Virginia Total	12,203	11,963	13,612	14,954	14,355	144.1	140.4	159.5	174.1	167.1	8.1%	

*Percent change compares the 2021 rate to the 2017 - 2020 average annual rate.

VIRGINIA STD SURVEILLANCE REPORT

Table 4GC-b. Gonorrhea diagnoses by health district, by descending rate (2021)

	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	% Change	Trend
	No.	No.	No.	No.	No.	Rate	Rate	Rate	Rate	Rate		
Portsmouth	483	538	642	680	643	568.5	680.1	715.1	676.2	717.2	27.7%	
Roanoke City	511	361	399	501	606	361.3	402.4	505.8	611.8	630.3	37.4%	
Richmond City	1,246	1,300	1,357	1,272	1,234	568.2	588.9	547.7	531.4	552.0	-4.2%	
Norfolk	1,085	1,116	1,282	1,531	1,242	457.2	528.1	630.6	511.5	531.6	35.2%	
Hampton	574	491	574	715	667	365.6	426.7	527.8	492.4	507.3	17.4%	
Crater	542	510	654	578	469	328.5	421.8	375.2	304.5	370.9	2.9%	
Peninsula	941	891	970	1,125	990	254.6	276.2	318.3	280.1	320.3	23.9%	
Chesapeake	451	453	568	653	626	186.7	232.0	264.4	253.4	299.7	41.7%	
Western Tidewater	301	297	405	464	396	193.2	261.6	295.3	252.1	272.1	26.0%	
Southside	120	144	156	216	200	177.4	193.2	268.8	248.9	267.6	65.1%	
Henrico	723	645	779	900	693	195.9	235.5	269.6	207.6	266.7	40.4%	
Virginia Beach	795	672	826	928	906	149.3	183.6	205.7	200.8	206.7	58.7%	
Piedmont	134	132	154	141	194	129.1	150.5	137.7	189.5	205.6	25.1%	
Eastern Shore	52	82	57	91	74	185.7	129.5	207.2	168.5	203.4	65.4%	
Pittsylvania/Danville	272	181	152	144	168	176.8	149.5	143.4	167.3	175.1	22.3%	
Virginia Total	12,203	11,963	13,612	14,954	14,355	144.1	140.4	159.5	174.1	167.1	8.1%	
Central Virginia	292	305	445	535	435	115.8	168.8	202.4	164.5	143.4	-28.6%	
Central Shenandoah	167	232	321	371	472	77.1	106.7	122.5	155.9	136.8	10.5%	
Alexandria	224	202	222	199	244	125.8	139.2	125.4	153.7	126.5	-1.3%	
Blue Ridge	192	186	175	218	337	72.9	68.3	84.5	130.6	124.8	-5.8%	
Chesterfield	503	550	586	606	519	139.0	146.6	149.4	128.0	123.0	84.0%	
Arlington	223	244	275	220	271	102.7	116.1	91.6	112.9	114.3	82.7%	
Alleghany	127	88	117	203	189	49.3	65.6	113.5	105.6	97.4	17.8%	
Prince William	405	397	450	513	545	75.3	85.1	96.0	102.0	97.0	26.3%	
West Piedmont	194	204	156	173	136	148.1	114.1	126.9	99.8	96.1	100.3%	
Mount Rogers	65	103	139	180	184	54.8	74.2	95.8	98.0	94.0	19.6%	
Rappahannock	277	316	324	353	372	85.2	86.2	92.2	97.1	92.5	-6.2%	
New River	97	104	157	148	153	56.5	85.7	80.9	83.6	85.5	30.8%	
Three Rivers	131	117	134	138	106	82.6	94.6	97.0	74.5	80.8	41.3%	
Chickahominy	107	100	100	111	105	62.6	61.9	68.0	64.4	68.7	2.6%	
Fairfax	572	571	623	656	755	48.0	52.5	55.2	63.5	67.2	130.0%	
Lenowisco	26	28	36	58	54	32.2	41.7	67.4	62.7	55.3	13.6%	
Lord Fairfax	139	174	151	123	124	73.0	63.0	50.9	51.3	51.3	-10.4%	
Rapp./Rapidan	82	83	76	87	80	46.2	41.9	47.5	43.7	47.9	17.8%	
Cumberland Plateau	34	25	28	21	36	24.2	27.3	20.6	35.3	24.7	-13.7%	
Loudoun Co.	116	121	122	102	130	29.7	29.5	24.1	30.7	20.5	-9.6%	

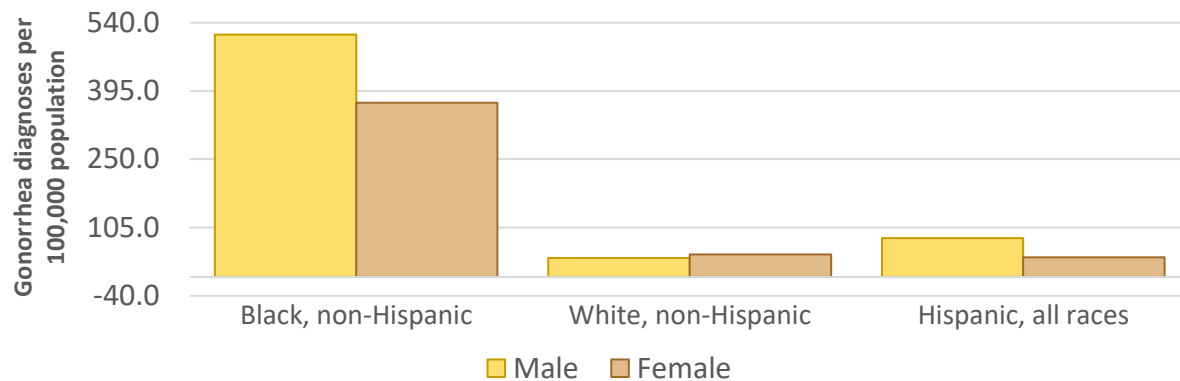
*Percent change compares the 2021 rate to the 2017 - 2020 average annual rate.

VIRGINIA STD SURVEILLANCE REPORT

Table 6GC. Gonorrhea Diagnoses by Additional Demographics, 2021

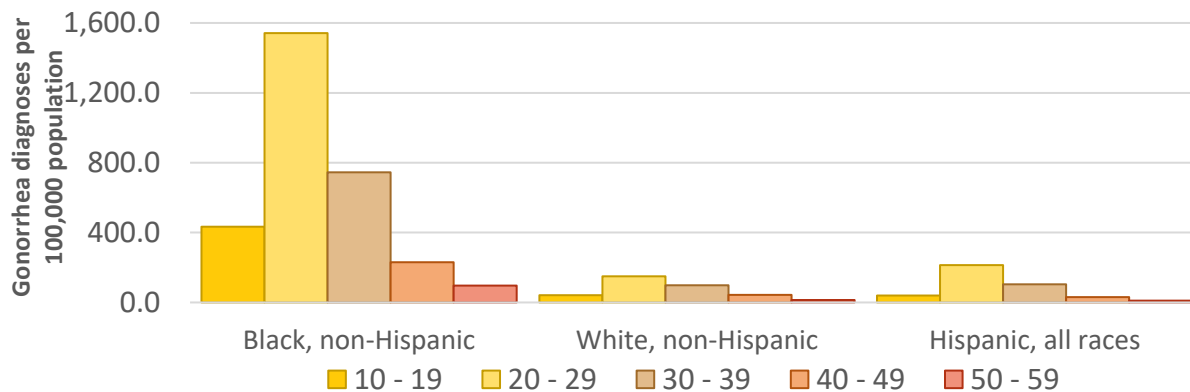
	Black, non-Hispanic		White, non-Hispanic		Hispanic, all races		Multi-race or other	Unknown
	No.	Rate	No.	Rate	No.	Rate	No.	No.
Total	7,608	441.9	2,364	44.3	540	63.1	410	3,433
Gender								
Male	4,261	514.9	1,065	40.4	363	82.4	206	1,973
Female	3,310	370.1	1,295	48.0	172	41.5	204	1,454
Transgender/ Other	37	--	4	--	5	--	0	4
Unknown	0	--	0	--	0	--	0	2

Figure 4GC. Gonorrhea diagnoses by race/ethnicity and gender, 2021



	Black, non-Hispanic		White, non-Hispanic		Hispanic, all races		Multi-race or other	Unknown
	No.	Rate	No.	Rate	No.	Rate	No.	No.
Total	7,608	441.9	2,364	44.3	430	63.1	410	3,433
Age at diagnosis								
10 - 19	1,019	434.1	250	41.5	57	39.0	72	683
20 - 29	4,046	1,542.5	1,014	148.7	293	213.8	205	1,647
30 - 39	1,798	745.8	675	97.8	142	103.6	90	674
40 - 49	477	230.9	274	42.9	38	30.5	30	249
50 - 59	215	97.2	111	15.0	9	10.8	10	130
60 +	53	16.0	40	2.8	1	1.4	3	49

Figure 5GC. Gonorrhea diagnoses by race/ethnicity and age, 2021



VIRGINIA STD SURVEILLANCE REPORT

Table 6GC. Gonorrhea Diagnoses by Additional Demographics, 2021

	Male		Female		Transgender/ Other	
	No.	Rate	No.	Rate	No.	Rate
Total	7,868	186.1	6,435	147.5	50	--
Age at diagnosis						
10 - 19	752	138.0	1,327	252.9	2	--
20 - 29	3,733	616.0	3,446	605.8	25	--
30 - 39	2,142	362.1	1,218	207.2	19	--
40 - 49	739	138.5	325	59.6	4	--
50 - 59	378	68.7	97	9.7	0	--
60 +	124	14.1	22	2.1	0	--

Figure 6GC. Gonorrhea diagnoses by gender and age at diagnosis, 2021

