

VIRGINIA STD SURVEILLANCE REPORT

Table 1ES. New Early Syphilis Diagnoses

	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	Trend
	No.	No.	No.	No.	No.	Rate	Rate	Rate	Rate	Rate	
Total	1,060	1,145	1,338	1,286	1,288	12.6	13.5	15.7	15.1	15.1	
Gender											
Male	902	980	1,175	1,112	1,075	21.8	23.5	28.0	26.5	25.6	
Female	135	151	143	139	170	3.2	3.5	3.3	3.2	3.9	
Transgender/other	23	14	20	35	43	--	--	--	--	--	
Age at diagnosis											
< 10	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	
10 - 14	2	0	1	1	0	0.4	0.0	0.2	0.2	0.0	
15 - 19	46	68	46	47	43	8.5	12.6	8.5	8.7	7.9	
20 - 24	220	212	256	251	217	37.3	36.4	44.2	43.9	38.0	
25 - 29	272	269	315	297	299	46.1	44.8	52.1	49.3	49.7	
30 - 34	173	181	240	242	256	29.7	31.0	40.9	41.1	43.5	
35 - 39	109	131	143	153	159	19.5	23.0	24.7	26.3	27.3	
40 - 44	54	97	74	80	93	10.2	18.5	14.1	15.1	17.5	
45 - 49	68	79	77	71	73	12.0	14.0	13.8	13.0	13.3	
50 - 54	55	57	89	69	49	9.2	9.8	15.7	12.5	8.9	
55 - 59	39	30	59	43	63	6.7	5.2	10.1	7.4	10.8	
60 - 64	8	9	23	23	28	1.6	1.8	4.4	4.3	5.3	
> 64	14	12	15	9	8	1.1	0.9	1.1	0.7	0.6	
Race/ethnicity											
Black, non-Hispanic	619	656	734	761	710	37.0	38.8	43.2	44.6	41.6	
White, non-Hispanic	239	309	403	330	386	4.5	5.8	7.5	6.2	7.2	
Hispanic (all races)	100	113	135	137	134	13.1	14.2	16.4	16.4	16.1	
Other/multi-race	38	49	62	54	53	--	--	--	--	--	
Unknown	64	18	4	4	5	--	--	--	--	--	
Health Region											
Central	272	280	380	375	366	19.0	19.4	26.2	25.7	25.1	
Eastern	437	436	437	407	425	23.5	23.5	23.6	21.9	22.9	
Northern	248	271	349	360	331	10.1	10.8	13.8	14.3	13.1	
Northwest	45	62	69	92	102	3.4	4.7	5.1	6.8	7.5	
Southwest	58	96	103	52	64	4.3	7.1	7.7	3.9	4.8	
All syphilis diagnoses, by stage											
Primary	123	156	226	231	259	1.5	1.8	2.7	2.7	3.0	
Secondary	338	359	474	407	419	4.0	4.2	5.6	4.8	4.9	
Early, non-P/S	599	630	638	648	610	7.1	7.4	7.5	7.6	7.1	
Late or unk. duration	328	545	636	689	580	3.9	6.4	7.5	8.1	6.8	

Figure 1ES. Rate of early syphilis diagnoses by race/ethnicity, 2016 - 2020

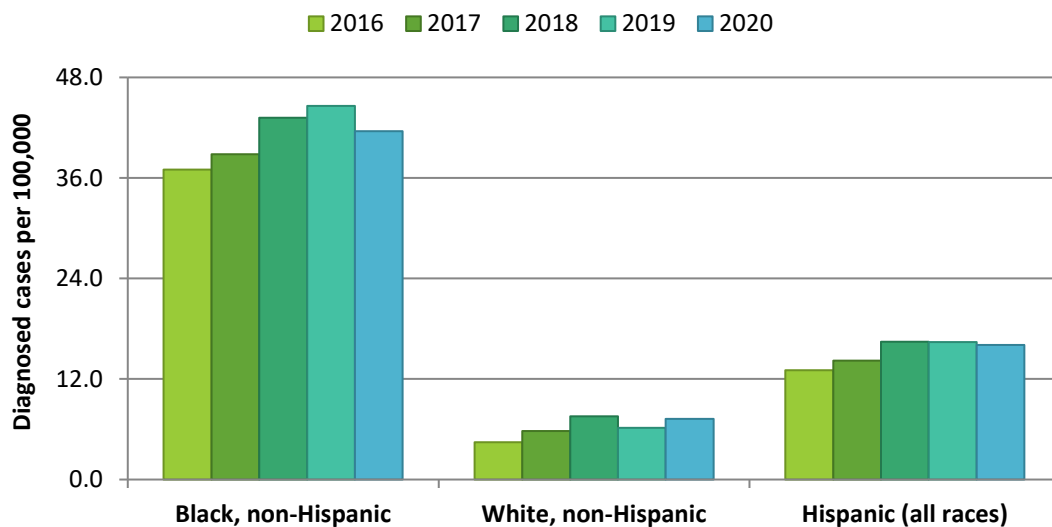


Figure 2ES. Rate of early syphilis diagnoses by gender, 2016 - 2020

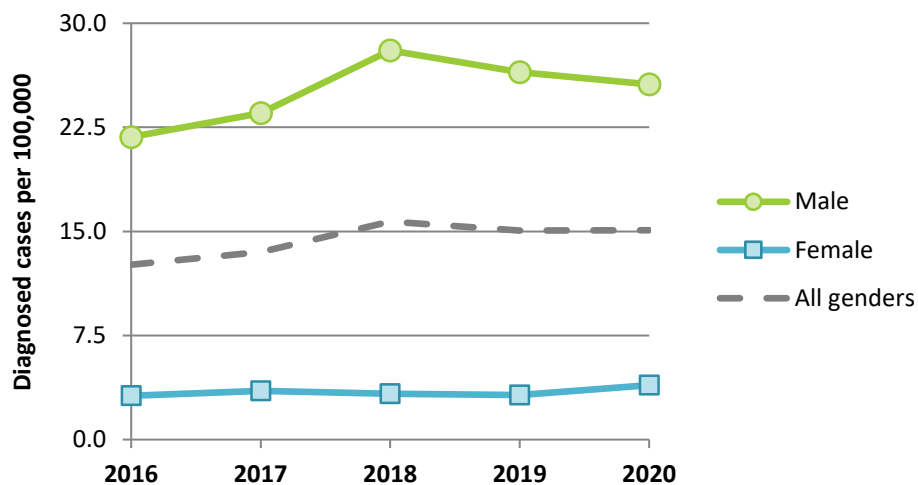
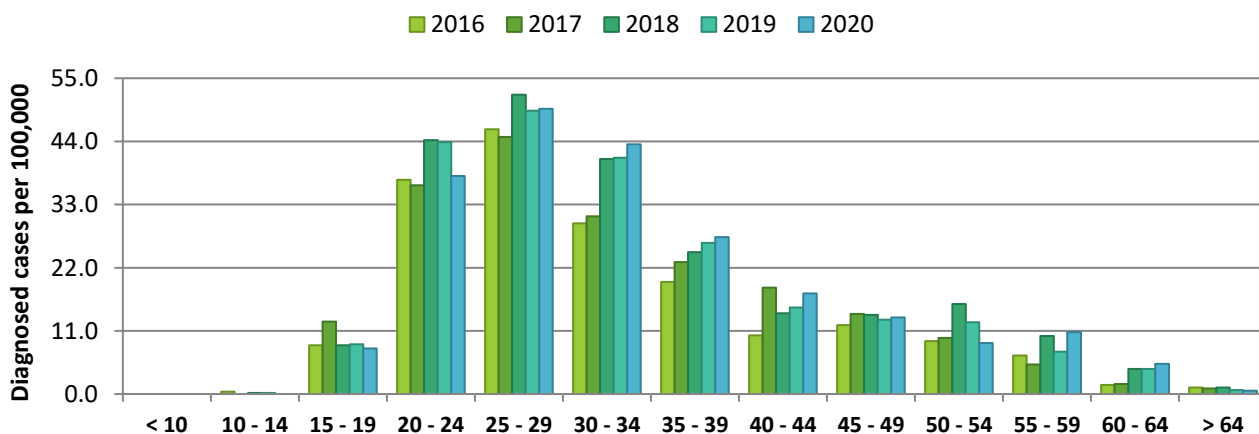


Figure 3ES. Rate of early syphilis diagnoses by age in years, 2016 - 2020



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Table 2ES. Early Syphilis Diagnoses by Region, 2020

	Central	Eastern	Northern	Northwest	Southwest
	No.	No.	No.	No.	No.
Total	376	407	358	92	52
Gender					
Male	300	339	303	85	48
Female	53	67	23	12	15
Transgender	13	19	5	5	1
<i>% Female</i> <i>% Male</i>					
Age in years					
< 10	0	0	0	0	0
10 - 14	0	0	0	0	0
15 - 19	10	20	10	0	3
20 - 24	46	84	53	20	14
25 - 29	92	106	60	29	12
30 - 34	86	72	67	22	9
35 - 39	54	50	31	14	10
40 - 44	30	32	25	2	4
45 - 49	17	15	29	9	3
50 - 54	8	15	23	1	2
55 - 59	11	19	22	4	7
60 - 64	12	11	4	1	0
> 64	0	1	7	0	0
Race/ethnicity					
Black, non-Hispanic	253	297	99	40	21
White, non-Hispanic	87	103	109	48	39
Hispanic (all races)	16	12	93	9	4
Other/ Multi-race	10	12	26	5	0
Unknown	0	1	4	0	0

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Table 3ES-a. Central Region ES 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	272	280	380	375	366	19.0	19.4	26.2	25.7	25.1	
Chesterfield Health District											
Chesterfield Co.	44	38	48	49	49	13.0	11.1	13.8	13.9	13.9	
Colonial Heights	2	5	3	2	1	11.3	28.0	16.8	11.5	5.8	
Powhatan Co.	2	1	1	2	1	7.0	3.5	3.4	6.7	3.4	
District Total	48	44	52	53	51	12.5	11.3	13.1	13.3	12.8	
Chickahominy Health District											
Charles City Co.	3	1	1	3	0	42.4	14.3	14.4	43.1	0.0	
Goochland Co.	3	2	1	0	3	13.2	8.8	4.3	0.0	12.6	
Hanover Co.	4	6	8	6	7	3.8	5.7	7.5	5.6	6.5	
New Kent Co.	1	0	4	4	0	4.7	0.0	17.9	17.3	0.0	
District Total	11	9	14	13	10	7.1	5.7	8.8	8.0	6.2	
Crater Health District											
Dinwiddie Co.	7	6	8	4	5	24.9	21.3	28.0	14.0	17.5	
Emporia	1	3	0	3	1	18.9	56.8	0.0	56.1	18.7	
Greensville Co.	3	3	1	1	1	25.6	25.7	8.6	8.8	8.8	
Hopewell	8	2	10	11	6	35.2	8.8	44.3	48.8	26.6	
Petersburg	24	31	42	18	31	75.3	97.6	133.1	57.4	98.9	
Prince George Co.	10	16	12	8	7	26.4	42.3	31.5	20.9	18.3	
Surry Co.	0	0	0	0	2	0.0	0.0	0.0	0.0	31.1	
Sussex Co.	1	4	1	0	2	8.7	35.2	8.9	0.0	17.9	
District Total	54	65	74	45	55	34.7	41.9	47.7	29.0	35.5	
Henrico Health District											
Henrico Co.	41	50	74	88	97	12.6	15.2	22.5	26.6	29.3	
District Total	41	50	74	88	97	12.6	15.2	22.5	26.6	29.3	
Piedmont Health District											
Amelia Co.	0	3	1	0	3	0.0	23.0	7.7	0.0	22.8	
Buckingham Co.	1	1	1	0	0	5.9	5.9	5.9	0.0	0.0	
Charlotte Co.	1	0	1	0	0	8.2	0.0	8.4	0.0	0.0	
Cumberland Co.	1	1	0	1	0	10.4	10.2	0.0	10.1	0.0	
Lunenburg Co.	1	0	0	0	2	8.1	0.0	0.0	0.0	16.4	
Nottoway Co.	6	4	3	6	1	38.5	25.9	19.5	39.4	6.6	
Prince Edward Co.	2	1	5	7	4	8.6	4.4	21.8	30.7	17.5	
District Total	12	10	11	14	10	11.7	9.8	10.8	13.7	9.8	
Richmond City Health District											
Richmond City	103	99	154	156	138	46.2	43.6	67.3	67.7	59.9	
District Total	103	99	154	156	138	46.2	43.6	67.3	67.7	59.9	
Southside Health District											
Brunswick Co.	2	1	1	2	1	12.3	6.2	6.1	12.3	6.2	
Halifax Co.	0	2	0	3	1	0.0	5.8	0.0	8.8	2.9	
Mecklenburg Co.	1	0	0	1	3	3.2	0.0	0.0	3.3	9.8	
District Total	3	3	1	6	5	3.7	3.7	1.2	7.4	6.2	

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Table 3ES-b. Eastern Region ES 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	437	436	437	407	425	23.5	23.5	23.6	21.9	22.9	
Chesapeake Health District											
Chesapeake	38	32	34	33	41	16.0	13.3	14.0	13.5	16.7	
District Total	38	32	34	33	41	16.0	13.3	14.0	13.5	16.7	
Eastern Shore Health District											
Accomack Co.	0	2	3	0	2	0.0	6.1	9.3	0.0	6.2	
Northampton Co.	1	0	0	0	3	8.2	0.0	0.0	0.0	25.6	
District Total	1	2	3	0	5	2.2	4.5	6.8	0.0	11.4	
Hampton Health District											
Hampton	50	53	39	49	56	36.9	39.4	29.0	36.4	41.6	
District Total	50	53	39	49	56	36.9	39.4	29.0	36.4	41.6	
Norfolk Health District											
Norfolk	106	102	118	91	100	43.2	41.7	48.3	37.5	41.2	
District Total	106	102	118	91	100	43.2	41.7	48.3	37.5	41.2	
Peninsula Health District											
James City Co.	2	7	5	2	3	2.7	9.3	6.5	2.6	3.9	
Newport News	64	64	57	75	59	35.2	35.7	31.9	41.8	32.9	
Poquoson	1	0	0	0	1	8.3	0.0	0.0	0.0	8.1	
Williamsburg	3	2	5	2	2	19.7	13.3	33.6	13.4	13.4	
York Co.	6	6	6	6	4	8.8	8.9	8.8	8.8	5.9	
District Total	76	79	73	85	69	21.6	22.6	20.9	24.2	19.6	
Portsmouth Health District											
Portsmouth	33	37	39	48	51	34.6	39.1	41.2	50.8	54.0	
District Total	33	37	39	48	51	34.6	39.1	41.2	50.8	54.0	
Three Rivers Health District											
Essex Co.	0	1	2	0	1	0.0	9.1	18.3	0.0	9.1	
Gloucester Co.	1	1	1	4	1	2.7	2.7	2.7	10.7	2.7	
King and Queen Co.	0	0	1	0	0	0.0	0.0	14.2	0.0	0.0	
King William Co.	2	0	1	1	2	12.2	0.0	5.9	5.8	11.7	
Lancaster Co.	2	1	0	0	2	18.2	9.3	0.0	0.0	18.9	
Mathews Co.	0	0	0	2	0	0.0	0.0	0.0	22.6	0.0	
Middlesex Co.	0	0	0	0	1	0.0	0.0	0.0	0.0	9.5	
Northumberland Co.	0	0	0	1	0	0.0	0.0	0.0	8.3	0.0	
Richmond Co.	0	1	2	0	0	0.0	11.2	22.1	0.0	0.0	
Westmoreland Co.	1	0	1	1	2	5.7	0.0	5.6	5.6	11.1	
District Total	6	4	8	9	9	4.3	2.8	5.6	6.4	6.4	
Virginia Beach Health District											
Virginia Beach	97	103	99	73	68	21.4	22.9	22.0	16.2	15.1	
District Total	97	103	99	73	68	21.4	22.9	22.0	16.2	15.1	
Western Tidewater Health District											
Franklin City	3	3	3	0	2	36.1	36.7	37.4	0.0	25.1	
Isle of Wight Co.	10	2	1	2	4	27.3	5.5	2.7	5.4	10.8	
Southampton Co.	1	0	1	1	0	5.5	0.0	5.7	5.7	0.0	
Suffolk	16	19	19	16	20	17.9	21.1	20.8	17.4	21.7	
District Total	30	24	24	19	26	19.7	15.7	15.6	12.3	16.8	

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Table 3ES-c. Northern Region ES 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	248	271	349	360	331	10.1	10.8	13.8	14.3	13.1	
Alexandria Health District											
Alexandria	37	42	52	66	54	23.7	26.2	32.4	41.4	33.9	
District Total	37	42	52	66	54	23.7	26.2	32.4	41.4	33.9	
Arlington Health District											
Arlington	64	63	82	77	65	27.8	26.8	34.5	32.5	27.4	
District Total	64	63	82	77	65	27.8	26.8	34.5	32.5	27.4	
Fairfax Health District											
Fairfax City	0	5	7	1	2	0.0	20.7	28.5	4.2	8.3	
Fairfax Co.	88	93	119	133	111	7.7	8.1	10.3	11.6	9.7	
Falls Church	2	0	4	2	2	14.3	0.0	27.1	13.7	13.7	
District Total	90	98	130	136	115	7.6	8.3	10.9	11.5	9.7	
Loudoun Health District											
Loudoun Co.	21	30	26	22	20	5.4	7.5	6.4	5.3	4.8	
District Total	21	30	26	22	20	5.4	7.5	6.4	5.3	4.8	
Prince William Health District											
Manassas	0	0	4	7	5	0.0	0.0	9.6	17.0	12.2	
Manassas Park	2	1	2	0	2	12.6	6.0	11.6	0.0	11.4	
Prince William Co.	34	37	53	52	70	7.5	8.0	11.3	11.1	14.9	
District Total	36	38	59	59	77	7.0	7.3	11.2	11.2	14.6	

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Table 3ES-d. Northwest Region ES 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	45	62	69	92	102	3.4	4.7	5.1	6.8	7.5	
Blue Ridge Health District											
Albemarle Co.	6	3	5	4	12	5.6	2.8	4.6	3.7	11.0	
Charlottesville	6	4	6	4	12	12.8	8.3	12.5	8.5	25.4	
Fluvanna Co.	1	0	1	0	1	3.8	0.0	3.7	0.0	3.7	
Greene Co.	0	0	4	1	2	0.0	0.0	20.2	5.0	10.1	
Louisa Co.	1	0	2	3	2	2.8	0.0	5.4	8.0	5.3	
Nelson Co.	0	0	0	2	1	0.0	0.0	0.0	13.4	6.7	
District Total	14	7	18	14	30	5.6	2.8	7.1	5.5	11.7	
Central Shenandoah District											
Augusta Co.	0	1	2	2	3	0.0	1.3	2.7	2.6	4.0	
Bath Co.	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	
Buena Vista	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	
Harrisonburg	1	0	4	4	5	1.9	0.0	7.4	7.5	9.4	
Highland Co.	0	0	1	0	0	0.0	0.0	45.2	0.0	0.0	
Lexington	0	0	1	1	0	0.0	0.0	14.0	13.4	0.0	
Rockbridge Co.	0	3	1	1	0	0.0	13.2	4.4	4.4	0.0	
Rockingham Co.	1	2	1	0	1	1.3	2.5	1.2	0.0	1.2	
Staunton	1	3	2	2	5	4.1	12.2	8.0	8.0	20.1	
Waynesboro	0	2	3	5	5	0.0	9.0	13.3	22.1	22.1	
District Total	3	11	15	15	19	1.0	3.7	5.0	5.0	6.3	
Lord Fairfax Health District											
Clarke Co.	0	0	0	2	0	0.0	0.0	0.0	13.7	0.0	
Frederick Co.	0	1	2	1	5	0.0	1.2	2.3	1.1	5.6	
Page Co.	0	0	0	1	0	0.0	0.0	0.0	4.2	0.0	
Shenandoah Co.	0	2	1	5	2	0.0	4.6	2.3	11.5	4.6	
Warren Co.	1	1	4	1	6	2.6	2.5	10.0	2.5	14.9	
Winchester	3	4	1	1	1	10.9	14.3	3.6	3.6	3.6	
District Total	4	8	8	11	14	1.7	3.4	3.4	4.6	5.8	
Rappahannock Health District											
Caroline Co.	1	4	0	4	6	3.3	13.1	0.0	13.0	19.5	
Fredericksburg	1	4	3	3	2	3.5	14.1	10.3	10.3	6.9	
King George Co.	2	0	2	0	0	7.7	0.0	7.5	0.0	0.0	
Spotsylvania Co.	10	11	9	13	5	7.6	8.3	6.7	9.5	3.7	
Stafford Co.	8	13	9	21	19	5.5	8.9	6.0	13.7	12.4	
District Total	22	32	23	41	32	6.1	8.8	6.2	10.9	8.5	
Rappahannock/Rapidan Health District											
Culpeper Co.	0	3	0	3	0	0.0	5.9	0.0	5.7	0.0	
Fauquier Co.	1	0	4	5	1	1.4	0.0	5.7	7.0	1.4	
Madison Co.	1	0	1	0	0	7.6	0.0	7.5	0.0	0.0	
Orange Co.	0	0	0	3	6	0.0	0.0	0.0	8.1	16.2	
Rappahannock Co.	0	1	0	0	0	0.0	13.7	0.0	0.0	0.0	
District Total	2	4	5	11	7	1.1	2.3	2.8	6.1	3.9	

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Table 3ES-e. Southwest Region ES 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	58	96	103	52	64	4.3	7.1	7.7	3.9	4.8	
Alleghany Health District											
Alleghany Co.	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	
Botetourt Co.	0	1	1	0	0	0.0	3.0	3.0	0.0	0.0	
Covington	1	1	0	0	0	18.1	18.1	0.0	0.0	0.0	
Craig Co.	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	
Roanoke Co.	2	7	6	2	2	2.1	7.5	6.4	2.1	2.1	
Salem	1	3	3	2	2	3.9	11.6	11.7	7.9	7.9	
District Total	4	12	10	4	4	2.2	6.7	5.6	2.2	2.2	
Central Virginia Health District											
Amherst Co.	0	1	0	1	1	0.0	3.2	0.0	3.2	3.2	
Appomattox Co.	2	1	0	0	0	12.9	6.4	0.0	0.0	0.0	
Bedford Co.	3	0	0	2	2	3.8	0.0	0.0	2.5	2.5	
Campbell Co.	1	2	4	2	1	1.8	3.6	7.3	3.6	1.8	
Lynchburg	4	3	5	5	5	5.0	3.7	6.1	6.1	6.1	
District Total	10	7	9	10	9	3.8	2.7	3.4	3.8	3.4	
Cumberland Plateau Health District											
Buchanan Co.	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	
Dickenson Co.	0	0	1	0	0	0.0	0.0	6.9	0.0	0.0	
Russell Co.	0	2	0	1	0	0.0	7.4	0.0	3.8	0.0	
Tazewell Co.	0	0	1	0	0	0.0	0.0	2.4	0.0	0.0	
District Total	0	2	2	1	0	0.0	1.9	1.9	1.0	0.0	
Lenowisco Health District											
Lee Co.	0	0	1	0	1	0.0	0.0	4.2	0.0	4.3	
Norton	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	
Scott Co.	0	1	1	1	1	0.0	4.6	4.6	4.6	4.6	
Wise Co.	0	1	1	0	1	0.0	2.6	2.6	0.0	2.7	
District Total	0	2	3	1	3	0.0	2.3	3.4	1.2	3.5	
Mount Rogers Health District											
Bland Co.	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	
Bristol	1	1	0	3	1	5.9	6.0	0.0	17.9	6.0	
Carroll Co.	1	1	0	1	2	3.4	3.4	0.0	3.4	6.7	
Galax	1	1	0	0	2	14.8	15.1	0.0	0.0	31.5	
Grayson Co.	0	0	0	1	1	0.0	0.0	0.0	6.4	6.4	
Smyth Co.	0	1	2	2	1	0.0	3.3	6.6	6.6	3.3	
Washington Co.	0	0	3	2	5	0.0	0.0	5.5	3.7	9.3	
Wythe Co.	2	2	1	4	1	6.9	6.9	3.5	13.9	3.5	
District Total	5	6	6	13	13	2.6	3.2	3.2	6.9	6.9	
New River Health District											
Floyd Co.	2	0	1	0	0	12.7	0.0	6.3	0.0	0.0	
Giles Co.	2	0	0	0	1	11.9	0.0	0.0	0.0	6.0	
Montgomery Co.	4	4	3	0	2	4.1	4.1	3.0	0.0	2.0	
Pulaski Co.	0	1	2	2	1	0.0	2.9	5.9	5.9	2.9	
Radford	3	4	1	0	2	17.2	22.7	5.5	0.0	11.0	
District Total	11	9	7	2	6	6.0	4.9	3.8	1.1	3.3	

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Table 3ES-e, cont. Southwest Region ES 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	
Pittsylvania/Danville Health District												
Danville	3	30	32	6	13		7.2	72.9	78.6	15.0	32.5	
Pittsylvania Co.	5	1	8	4	6		8.1	1.6	13.1	6.6	9.9	
District Total	8	31	40	10	19		7.7	30.3	39.4	10.0	18.9	
Roanoke Health District												
Roanoke City	13	22	18	5	6		13.0	22.0	18.0	5.0	6.1	
District Total	13	22	18	5	6		13.0	22.0	18.0	5.0	6.1	
West Piedmont Health District												
Franklin Co.	1	4	3	0	3		1.8	7.1	5.3	0.0	5.4	
Henry Co.	4	1	4	2	0		7.8	2.0	7.9	4.0	0.0	
Martinsville	2	0	0	4	1		14.9	0.0	0.0	31.9	8.0	
Patrick Co.	0	0	1	0	0		0.0	0.0	5.7	0.0	0.0	
District Total	7	5	8	6	4		5.0	3.6	5.8	4.4	2.9	

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Table 4ES-a. Early syphilis 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	37	42	52	66	54	23.7	26.2	32.4	41.4	33.9	9.5%	
Alleghany	4	12	10	4	4	2.2	6.7	5.6	2.2	2.2	-46.6%	
Arlington	64	63	82	77	65	27.8	26.8	34.5	32.5	27.4	-9.8%	
Blue Ridge	14	7	18	14	30	5.6	2.8	7.1	5.5	11.7	124.1%	
Central Shenandoah	3	11	15	15	19	1.0	3.7	5.0	5.0	6.3	72.3%	
Central Virginia	10	7	9	10	9	3.8	2.7	3.4	3.8	3.4	-0.5%	
Chesapeake	38	32	34	33	41	16.0	13.3	14.0	13.5	16.7	18.0%	
Chesterfield	48	44	52	53	51	12.5	11.3	13.1	13.3	12.8	1.8%	
Chickahominy	11	9	14	13	10	7.1	5.7	8.8	8.0	6.2	-16.4%	
Crater	54	65	74	45	55	34.7	41.9	47.7	29.0	35.5	-7.4%	
Cumberland Plateau	0	2	2	1	0	0.0	1.9	1.9	1.0	0.0	-100.0%	
Eastern Shore	1	2	3	0	5	2.2	4.5	6.8	0.0	11.4	236.0%	
Fairfax	90	98	130	136	115	7.6	8.3	10.9	11.5	9.7	1.3%	
Hampton	50	53	39	49	56	36.9	39.4	29.0	36.4	41.6	17.5%	
Henrico Co.	41	50	74	88	97	12.6	15.2	22.5	26.6	29.3	52.6%	
Lenowisco	0	2	3	1	3	0.0	2.3	3.4	1.2	3.5	102.2%	
Lord Fairfax	4	8	8	11	14	1.7	3.4	3.4	4.6	5.8	78.8%	
Loudoun Co.	21	30	26	22	20	5.4	7.5	6.4	5.3	4.8	-21.6%	
Mount Rogers	5	6	6	13	13	2.6	3.2	3.2	6.9	6.9	74.1%	
New River	11	9	7	2	6	6.0	4.9	3.8	1.1	3.3	-17.3%	
Norfolk	106	102	118	91	100	43.2	41.7	48.3	37.5	41.2	-3.5%	
Peninsula	76	79	73	85	69	21.6	22.6	20.9	24.2	19.6	-12.0%	
Piedmont	12	10	11	14	10	11.7	9.8	10.8	13.7	9.8	-14.8%	
Pittsylvania/Danville	8	31	40	10	19	7.7	30.3	39.4	10.0	18.9	-13.3%	
Portsmouth	33	37	39	48	51	34.6	39.1	41.2	50.8	54.0	30.3%	
Prince William	36	38	59	59	77	7.0	7.3	11.2	11.2	14.6	58.8%	
Rappahannock	22	32	23	41	32	6.1	8.8	6.2	10.9	8.5	6.5%	
Rapp./Rapidan	2	4	5	11	7	1.1	2.3	2.8	6.1	3.9	26.0%	
Richmond City	103	99	154	156	138	46.2	43.6	67.3	67.7	59.9	6.6%	
Roanoke City	13	22	18	5	6	13.0	22.0	18.0	5.0	6.1	-58.4%	
Southside	3	3	1	6	5	3.7	3.7	1.2	7.4	6.2	54.9%	
Three Rivers	6	4	8	9	9	4.3	2.8	5.6	6.4	6.4	33.1%	
Virginia Beach	97	103	99	73	68	21.4	22.9	22.0	16.2	15.1	-26.7%	
West Piedmont	7	5	8	6	4	5.0	3.6	5.8	4.4	2.9	-37.9%	
Western Tidewater	30	24	24	19	26	19.7	15.7	15.6	12.3	16.8	6.1%	
Virginia Total	1,060	1,145	1,338	1,286	1,288	12.6	13.5	15.7	15.1	15.1	6.1%	

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

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Table 4ES-b. Early syphilis 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		
Richmond City	103	99	154	156	138	46.2	43.6	67.3	67.7	59.9	6.6%	
Portsmouth	33	37	39	48	51	34.6	39.1	41.2	50.8	54.0	30.3%	
Hampton	50	53	39	49	56	36.9	39.4	29.0	36.4	41.6	17.5%	
Norfolk	106	102	118	91	100	43.2	41.7	48.3	37.5	41.2	-3.5%	
Crater	54	65	74	45	55	34.7	41.9	47.7	29.0	35.5	-7.4%	
Alexandria	37	42	52	66	54	23.7	26.2	32.4	41.4	33.9	9.5%	
Henrico Co.	41	50	74	88	97	12.6	15.2	22.5	26.6	29.3	52.6%	
Arlington	64	63	82	77	65	27.8	26.8	34.5	32.5	27.4	-9.8%	
Peninsula	76	79	73	85	69	21.6	22.6	20.9	24.2	19.6	-12.0%	
Pittsylvania/Danville	8	31	40	10	19	7.7	30.3	39.4	10.0	18.9	-13.3%	
Western Tidewater	30	24	24	19	26	19.7	15.7	15.6	12.3	16.8	6.1%	
Chesapeake	38	32	34	33	41	16.0	13.3	14.0	13.5	16.7	18.0%	
Virginia Beach	97	103	99	73	68	21.4	22.9	22.0	16.2	15.1	-26.7%	
Virginia Total	1,060	1,145	1,338	1,286	1,288	12.6	13.5	15.7	15.1	15.1	6.1%	
Prince William	36	38	59	59	77	7.0	7.3	11.2	11.2	14.6	58.8%	
Chesterfield	48	44	52	53	51	12.5	11.3	13.1	13.3	12.8	1.8%	
Blue Ridge	14	7	18	14	30	5.6	2.8	7.1	5.5	11.7	124.1%	
Eastern Shore	1	2	3	0	5	2.2	4.5	6.8	0.0	11.4	236.0%	
Piedmont	12	10	11	14	10	11.7	9.8	10.8	13.7	9.8	-14.8%	
Fairfax	90	98	130	136	115	7.6	8.3	10.9	11.5	9.7	1.3%	
Rappahannock	22	32	23	41	32	6.1	8.8	6.2	10.9	8.5	6.5%	
Mount Rogers	5	6	6	13	13	2.6	3.2	3.2	6.9	6.9	74.1%	
Three Rivers	6	4	8	9	9	4.3	2.8	5.6	6.4	6.4	33.1%	
Central Shenandoah	3	11	15	15	19	1.0	3.7	5.0	5.0	6.3	72.3%	
Southside	3	3	1	6	5	3.7	3.7	1.2	7.4	6.2	54.9%	
Chickahominy	11	9	14	13	10	7.1	5.7	8.8	8.0	6.2	-16.4%	
Roanoke City	13	22	18	5	6	13.0	22.0	18.0	5.0	6.1	-58.4%	
Lord Fairfax	4	8	8	11	14	1.7	3.4	3.4	4.6	5.8	78.8%	
Loudoun Co.	21	30	26	22	20	5.4	7.5	6.4	5.3	4.8	-21.6%	
Rapp./Rapidan	2	4	5	11	7	1.1	2.3	2.8	6.1	3.9	26.0%	
Lenowisco	0	2	3	1	3	0.0	2.3	3.4	1.2	3.5	102.2%	
Central Virginia	10	7	9	10	9	3.8	2.7	3.4	3.8	3.4	-0.5%	
New River	11	9	7	2	6	6.0	4.9	3.8	1.1	3.3	-17.3%	
West Piedmont	7	5	8	6	4	5.0	3.6	5.8	4.4	2.9	-37.9%	
Alleghany	4	12	10	4	4	2.2	6.7	5.6	2.2	2.2	-46.6%	
Cumberland Plateau	0	2	2	1	0	0.0	1.9	1.9	1.0	0.0	-100.0%	

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

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Table 5ES. New Early Syphilis Diagnoses, by Population/Risk Behavior

	2020			
	No.	Pct. of total	No. with HIV coinfection	Pct. with HIV coinfection
Total	1,288	100%	521	40.5%
Gender of case and gender of reported lifetime sex partners				
Men who have sex with men only	676	52.5%	315	46.6%
Men who have sex with men and women	159	12.3%	81	50.9%
Men who have sex with women only	168	13.0%	18	10.7%
Men, gender of partners unknown	72	5.6%	15	20.8%
Women, all	170	13.2%	7	4.1%
Transgender/ other, all	43	3.3%	18	41.9%
Lifetime reported risk				
Incarcerated	110	8.5%	46	41.8%
Transactional sex	14	1.1%	8	57.1%
Injection drug use	43	3.3%	19	44.2%
Heroin/opioid use	24	1.9%	11	45.8%
Cocaine use	68	5.3%	25	36.8%
Meth use	45	3.5%	21	46.7%

Figure 4ES. Early syphilis, by gender of patient and sex partners and HIV infection status (2020)

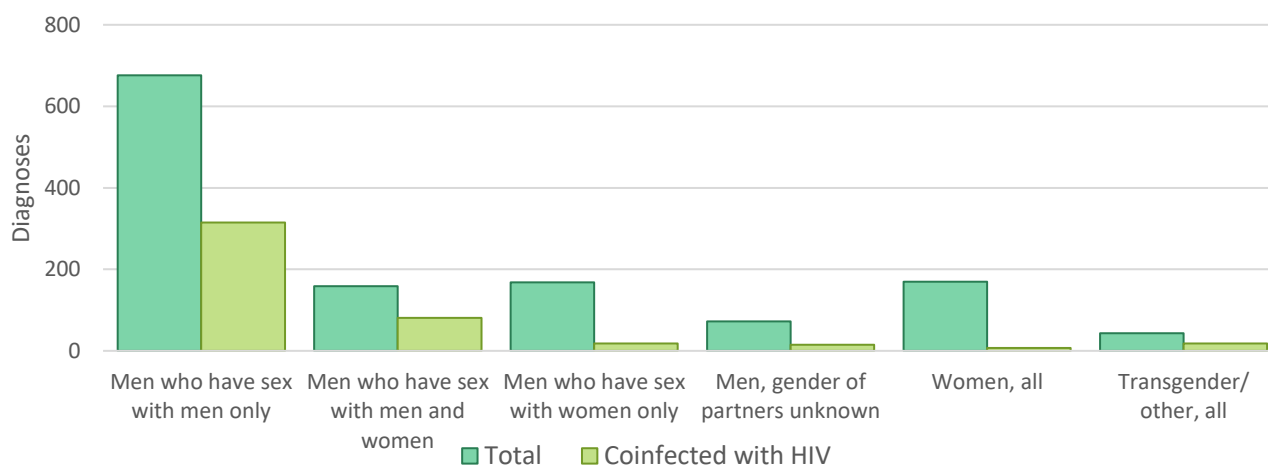
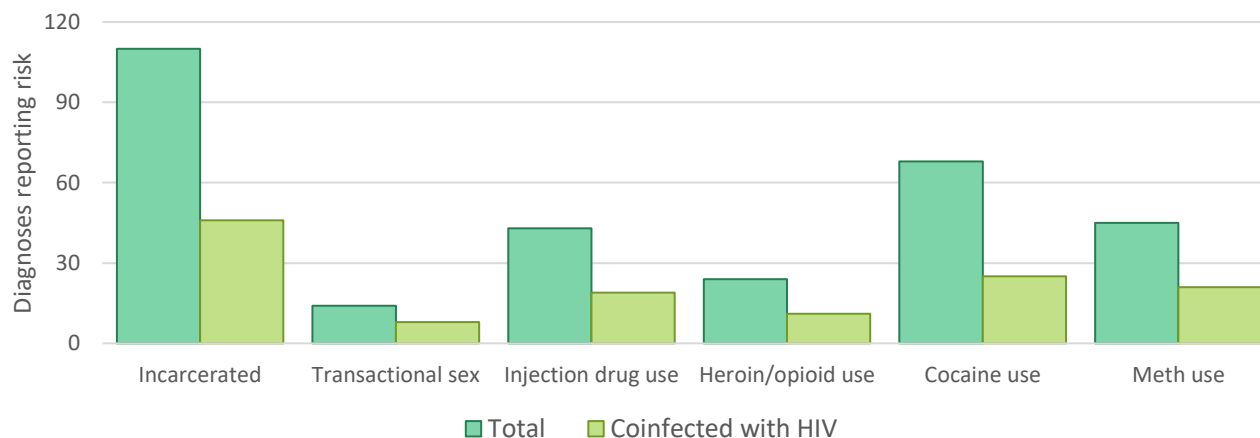


Figure 5ES. Early syphilis diagnoses with reported lifetime risk and HIV infection status (2020)

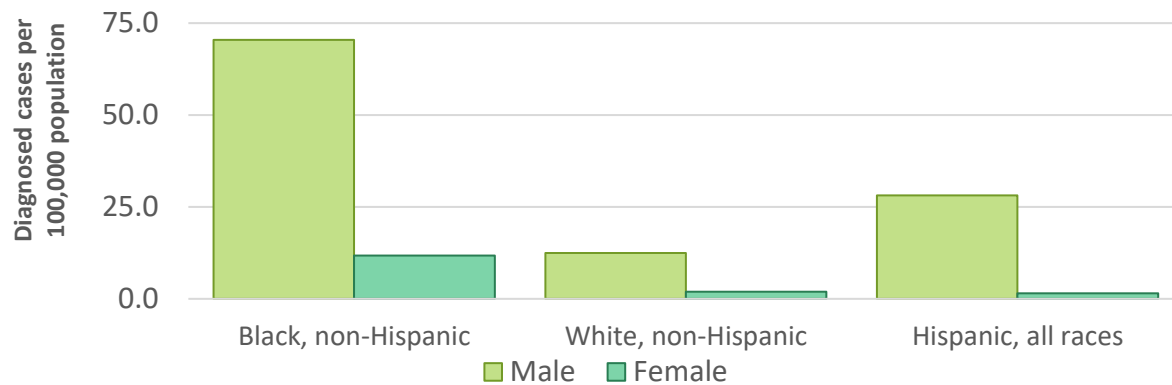


VIRGINIA STD SURVEILLANCE REPORT

Table 6ES. Early Syphilis Diagnoses by Additional Demographics, 2020

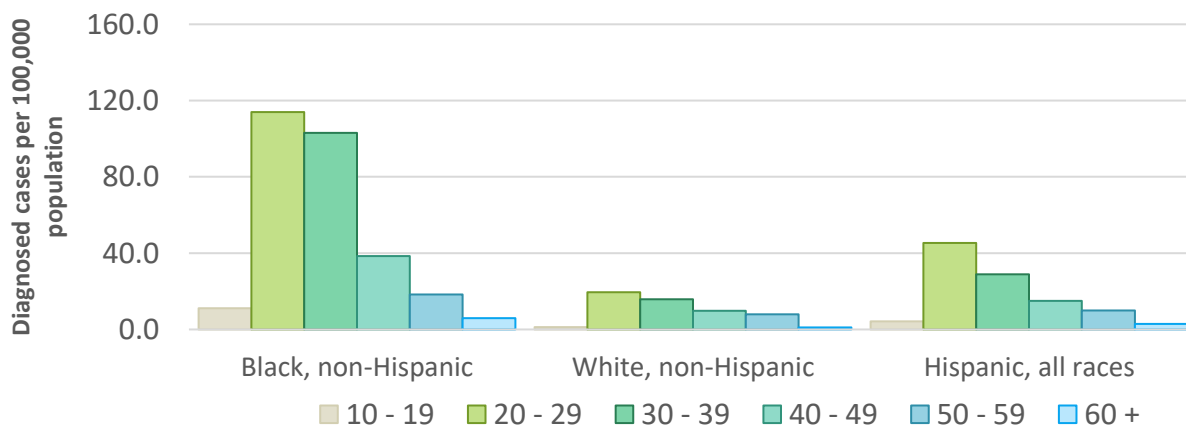
	Black, non-Hispanic		White, non-Hispanic		Hispanic, all races		Multi-race or other	Unknown
	No.	Rate	No.	Rate	No.	Rate	No.	No.
Total	710	41.6	386	7.2	134	16.1	53	5
Gender								
Male	578	70.5	329	12.5	121	28.2	42	5
Female	104	11.7	52	1.9	6	1.5	8	0
Transgender/ Other	28	--	5	--	7	--	3	0

Figure 6ES. Early syphilis 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	710	41.6	386	7.2	134	16.1	53	5
Age at diagnosis								
< 10	0	0.0	0	0.0	0	0.0	0	0
10 - 19	26	11.1	7	1.2	6	4.3	19	1
20 - 29	301	113.9	134	19.6	60	45.4	19	2
30 - 39	244	103.1	108	15.8	40	29.0	22	1
40 - 49	79	38.4	63	9.8	18	14.9	5	1
50 - 59	41	18.3	60	8.0	8	10.0	3	0
60 +	19	6.0	14	1.0	2	2.9	1	0

Figure 7ES. Early syphilis diagnoses by race/ethnicity and age, 2020

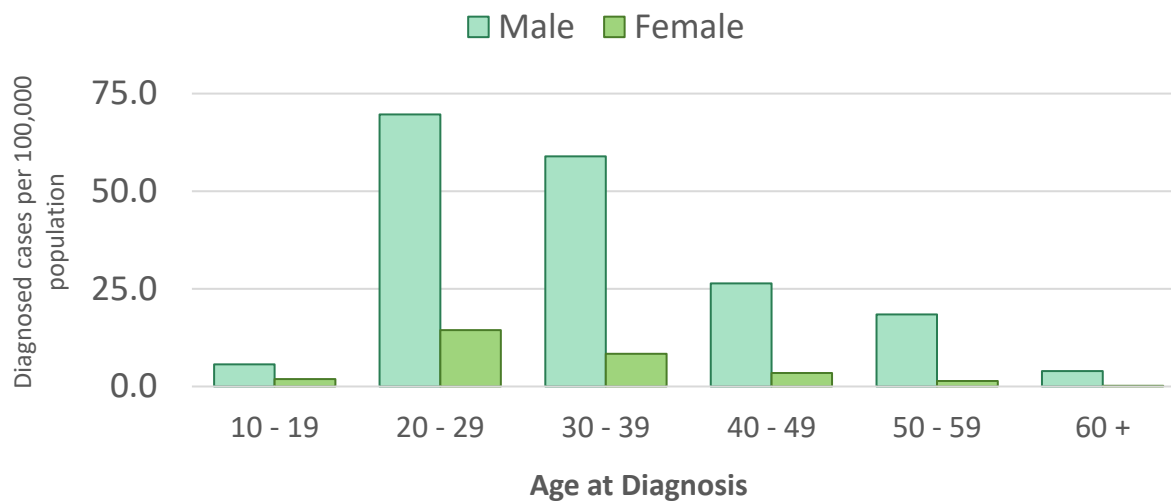


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Table 6ES. Early Syphilis Diagnoses by Additional Demographics, 2020

	Male		Female		Transgender/ Other	
	No.	Rate	No.	Rate	No.	Rate
Total	1075	25.6	170	3.9	43	--
Age at diagnosis						
< 10	0	0.0	0	0.0	0	--
10 - 19	31	5.7	10	1.9	2	--
20 - 29	421	69.7	82	14.4	13	--
30 - 39	346	58.9	49	8.4	20	--
40 - 49	141	26.4	19	3.5	6	--
50 - 59	102	18.4	8	1.4	2	--
60 +	34	4.0	2	0.2	0	--

Figure 8ES. Early syphilis diagnoses by gender and age at diagnosis, 2020



**** Data suppressed to preserve confidentiality.**