

VIRGINIA STD SURVEILLANCE REPORT

Table 1ES. New Early Syphilis Diagnoses

	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	Trend
	No.	No.	No.	No.	No.	Rate	Rate	Rate	Rate	Rate	
Total	1,144	1,338	1,287	1,295	1,407	13.5	15.7	15.1	15.1	16.4	
Gender											
Male	978	1,175	1,110	1,080	1,181	23.5	28.0	26.4	25.5	27.9	
Female	151	142	140	170	194	3.5	3.3	3.2	3.9	4.4	
Transgender/other	15	21	36	44	29	--	--	--	--	--	
Age at diagnosis											
< 10	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	
10 - 14	0	1	0	0	0	0.0	0.2	0.0	0.0	0.0	
15 - 19	68	46	47	44	51	12.6	8.5	8.7	8.1	9.4	
20 - 24	212	256	251	218	232	36.4	44.2	43.9	37.9	40.4	
25 - 29	269	315	297	301	277	44.8	52.1	49.3	50.1	46.1	
30 - 34	181	240	242	257	279	31.0	40.9	41.1	43.2	46.9	
35 - 39	130	143	155	160	178	22.8	24.7	26.6	27.4	30.5	
40 - 44	97	74	80	93	138	18.5	14.1	15.1	17.1	25.4	
45 - 49	79	77	70	73	83	14.0	13.8	12.8	13.6	15.5	
50 - 54	57	89	69	49	69	9.8	15.7	12.5	8.9	12.6	
55 - 59	30	59	43	64	66	5.2	10.1	7.4	11.0	11.4	
60 - 64	9	23	23	28	20	1.8	4.4	4.3	5.2	3.7	
> 64	12	15	9	8	14	0.9	1.1	0.7	0.6	1.0	
Race/ethnicity											
Black, non-Hispanic	656	731	759	711	719	38.8	43.0	44.5	41.3	41.8	
White, non-Hispanic	308	402	332	388	435	5.8	7.5	6.2	7.3	8.2	
Hispanic (all races)	114	137	140	137	167	14.3	16.7	16.8	16.0	19.5	
Other/multi-race	49	64	53	54	69	--	--	--	--	--	
Unknown	17	4	3	5	17	--	--	--	--	--	
Health Region											
Central	280	380	375	367	296	19.4	26.2	25.7	24.9	20.1	
Eastern	436	436	408	426	511	23.5	23.5	22.0	22.8	27.4	
Northern	270	349	360	335	349	10.8	13.8	14.3	13.2	13.7	
Northwest	62	69	92	102	141	4.7	5.1	6.8	7.5	10.3	
Southwest	96	103	52	65	110	7.1	7.7	3.9	4.9	8.2	
All syphilis diagnoses, by stage											
Primary	156	226	231	263	307	1.8	2.7	2.7	3.1	3.6	
Secondary	359	474	408	421	451	4.2	5.6	4.8	4.9	5.2	
Early, non-P/S	629	638	648	611	649	7.4	7.5	7.6	7.1	7.6	
Late or unk. duration	545	636	691	584	836	6.4	7.5	8.1	6.8	9.7	

Figure 1ES. Rate of early syphilis diagnoses by race/ethnicity, 2017 - 2021

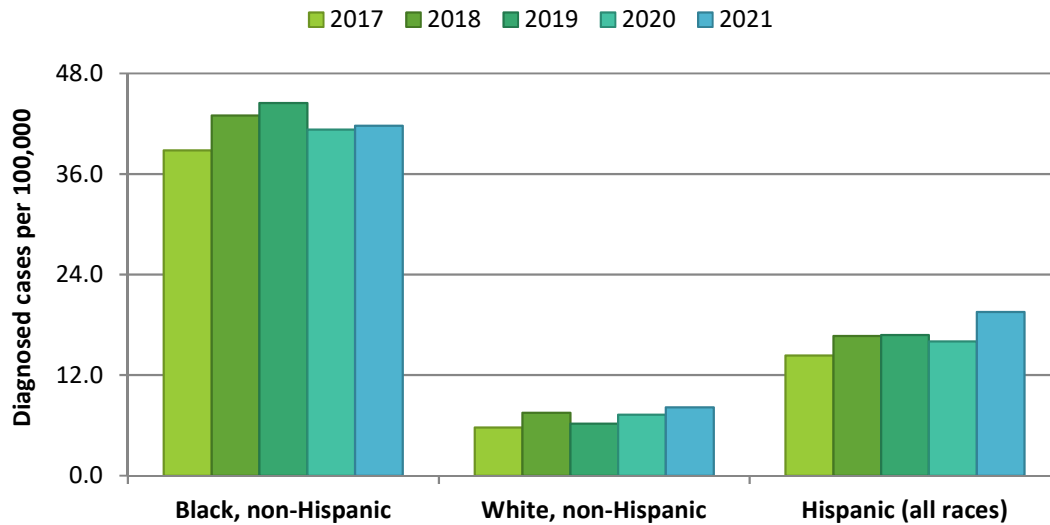


Figure 2ES. Rate of early syphilis diagnoses by gender, 2017 - 2021

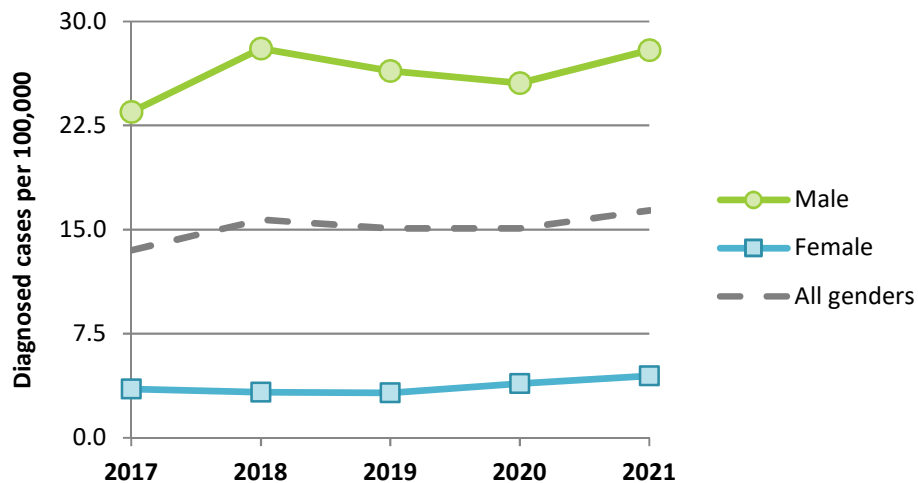
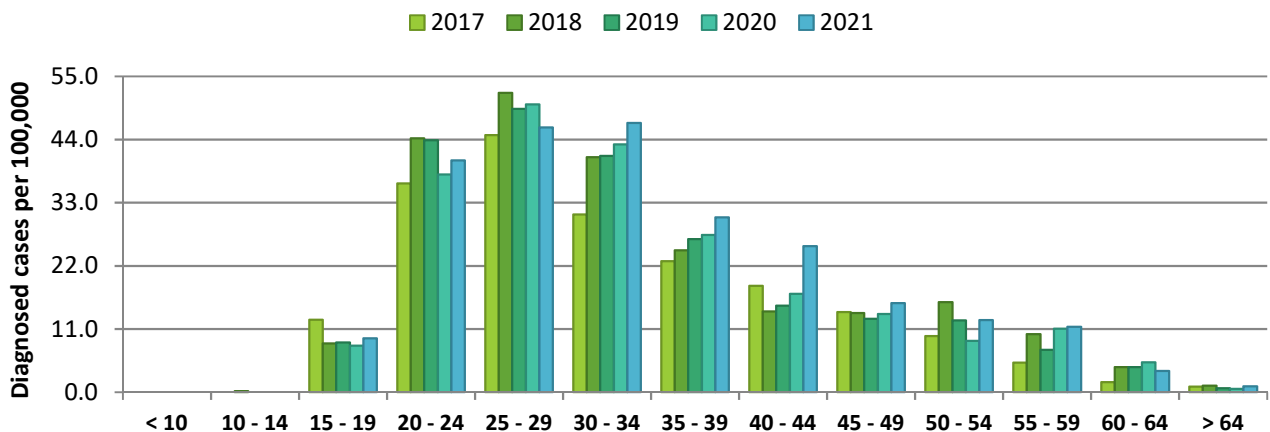


Figure 3ES. Rate of early syphilis diagnoses by age in years, 2017 - 2021



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Table 2ES. Early Syphilis Diagnoses by Region, 2021

	Central	Eastern	Northern	Northwest	Southwest
	No.	No.	No.	No.	No.
Total	296	511	349	141	110
Gender					
Male	257	398	325	110	91
Female	32	95	21	29	17
Transgender	7	18	3	2	2
<i>% Female</i> <i>% Male</i>					
Age in years					
< 10	0	0	0	0	0
10 - 14	0	0	0	0	0
15 - 19	13	23	9	2	4
20 - 24	49	75	61	25	22
25 - 29	58	109	61	22	27
30 - 34	64	102	68	29	16
35 - 39	39	66	44	20	9
40 - 44	31	53	33	7	14
45 - 49	10	27	30	9	7
50 - 54	13	14	21	14	7
55 - 59	13	26	14	10	3
60 - 64	3	8	6	3	0
> 64	3	8	2	0	1
Race/ethnicity					
Black, non-Hispanic	190	332	103	57	37
White, non-Hispanic	74	130	107	59	65
Hispanic (all races)	21	25	96	20	5
Other/ Multi-race	11	20	32	4	2
Unknown	0	4	11	1	1

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Table 3ES-a. Central Region ES 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	280	380	375	367	296	19.4	26.2	25.7	24.9	20.1	
Chesterfield Health District											
Chesterfield Co.	38	48	49	50	37	11.1	13.8	13.9	14.0	10.3	
Colonial Heights	5	3	2	1	3	28.0	16.8	11.5	5.8	17.4	
Powhatan Co.	1	1	2	1	2	3.5	3.4	6.7	3.3	6.6	
District Total	44	52	53	52	42	11.3	13.1	13.3	12.8	10.4	
Chickahominy Health District											
Charles City Co.	1	1	3	0	1	14.3	14.4	43.1	0.0	14.7	
Goochland Co.	2	1	0	3	2	8.8	4.3	0.0	12.3	8.2	
Hanover Co.	6	8	6	7	4	5.7	7.5	5.6	6.5	3.7	
New Kent Co.	0	4	4	0	0	0.0	17.9	17.3	0.0	0.0	
District Total	9	14	13	10	7	5.7	8.8	8.0	6.1	4.3	
Crater Health District											
Dinwiddie Co.	6	8	4	5	2	21.3	28.0	14.0	17.4	7.0	
Emporia	3	0	3	1	5	56.8	0.0	56.1	19.0	95.1	
Greensville Co.	3	1	1	1	0	25.7	8.6	8.8	8.9	0.0	
Hopewell	2	10	11	6	4	8.8	44.3	48.8	26.8	17.9	
Petersburg	31	42	18	31	16	97.6	133.1	57.4	101.8	52.6	
Prince George Co.	16	12	8	7	3	42.3	31.5	20.9	18.1	7.8	
Surry Co.	0	0	0	2	0	0.0	0.0	0.0	31.3	0.0	
Sussex Co.	4	1	0	2	0	35.2	8.9	0.0	18.3	0.0	
District Total	65	74	45	55	30	41.9	47.7	29.0	35.7	19.5	
Henrico Health District											
Henrico Co.	50	74	88	97	69	15.2	22.5	26.6	29.1	20.7	
District Total	50	74	88	97	69	15.2	22.5	26.6	29.1	20.7	
Piedmont Health District											
Amelia Co.	3	1	0	3	0	23.0	7.7	0.0	23.1	0.0	
Buckingham Co.	1	1	0	0	0	5.9	5.9	0.0	0.0	0.0	
Charlotte Co.	0	1	0	0	1	0.0	8.4	0.0	0.0	8.4	
Cumberland Co.	1	0	1	0	1	10.2	0.0	10.1	0.0	10.1	
Lunenburg Co.	0	0	0	2	1	0.0	0.0	0.0	16.3	8.2	
Nottoway Co.	4	3	6	1	2	25.9	19.5	39.4	6.6	13.2	
Prince Edward Co.	1	5	7	4	6	4.4	21.8	30.7	17.4	26.1	
District Total	10	11	14	10	11	9.8	10.8	13.7	9.8	10.7	
Richmond City Health District											
Richmond City	99	154	156	138	116	43.6	67.3	67.7	59.4	50.0	
District Total	99	154	156	138	116	43.6	67.3	67.7	59.4	50.0	
Southside Health District											
Brunswick Co.	1	1	2	1	2	6.2	6.1	12.3	6.2	12.5	
Halifax Co.	2	0	3	1	10	5.8	0.0	8.8	3.0	29.7	
Mecklenburg Co.	0	0	1	3	9	0.0	0.0	3.3	9.8	29.3	
District Total	3	1	6	5	21	3.7	1.2	7.4	6.2	26.1	

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Table 3ES-b. Eastern Region ES 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	436	436	408	426	511	23.5	23.5	22.0	22.8	27.4	
Chesapeake Health District											
Chesapeake	32	34	33	41	44	13.3	14.0	13.5	16.6	17.8	
District Total	32	34	33	41	44	13.3	14.0	13.5	16.6	17.8	
Eastern Shore Health District											
Accomack Co.	2	3	0	2	2	6.1	9.3	0.0	6.2	6.2	
Northampton Co.	0	0	0	3	0	0.0	0.0	0.0	25.7	0.0	
District Total	2	3	0	5	2	4.5	6.8	0.0	11.4	4.6	
Hampton Health District											
Hampton	53	39	49	56	48	39.4	29.0	36.4	41.3	35.4	
District Total	53	39	49	56	48	39.4	29.0	36.4	41.3	35.4	
Norfolk Health District											
Norfolk	102	118	92	100	114	41.7	48.3	37.9	41.2	47.0	
District Total	102	118	92	100	114	41.7	48.3	37.9	41.2	47.0	
Peninsula Health District											
James City Co.	7	5	2	3	8	9.3	6.5	2.6	3.9	10.3	
Newport News	64	56	75	59	66	35.7	31.4	41.8	32.9	36.9	
Poquoson	0	0	0	1	1	0.0	0.0	0.0	8.2	8.2	
Williamsburg	2	5	2	2	3	13.3	33.6	13.4	13.1	19.7	
York Co.	6	6	6	4	8	8.9	8.8	8.8	5.8	11.6	
District Total	79	72	85	69	86	22.6	20.6	24.2	19.5	24.3	
Portsmouth Health District											
Portsmouth	37	39	48	51	85	39.1	41.2	50.8	53.6	89.4	
District Total	37	39	48	51	85	39.1	41.2	50.8	53.6	89.4	
Three Rivers Health District											
Essex Co.	1	2	0	1	0	9.1	18.3	0.0	9.1	0.0	
Gloucester Co.	1	1	4	1	1	2.7	2.7	10.7	2.7	2.7	
King and Queen Co.	0	1	0	0	0	0.0	14.2	0.0	0.0	0.0	
King William Co.	0	1	1	2	0	0.0	5.9	5.8	11.3	0.0	
Lancaster Co.	1	0	0	2	1	9.3	0.0	0.0	18.8	9.4	
Mathews Co.	0	0	2	0	0	0.0	0.0	22.6	0.0	0.0	
Middlesex Co.	0	0	0	1	2	0.0	0.0	0.0	9.5	18.9	
Northumberland Co.	0	0	1	0	1	0.0	0.0	8.3	0.0	8.3	
Richmond Co.	1	2	0	0	0	11.2	22.1	0.0	0.0	0.0	
Westmoreland Co.	0	1	1	2	3	0.0	5.6	5.6	11.0	16.5	
District Total	4	8	9	9	8	2.8	5.6	6.4	6.3	5.6	
Virginia Beach Health District											
Virginia Beach	103	99	73	69	105	22.9	22.0	16.2	15.3	23.3	
District Total	103	99	73	69	105	22.9	22.0	16.2	15.3	23.3	
Western Tidewater Health District											
Franklin City	3	3	0	2	0	36.7	37.4	0.0	25.5	0.0	
Isle of Wight Co.	2	1	2	4	2	5.5	2.7	5.4	10.6	5.3	
Southampton Co.	0	1	1	0	1	0.0	5.7	5.7	0.0	5.7	
Suffolk	19	19	16	20	16	21.1	20.8	17.4	21.3	17.0	
District Total	24	24	19	26	19	15.7	15.6	12.3	16.5	12.1	

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Table 3ES-c. Northern Region ES 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	270	349	360	335	349	10.8	13.8	14.3	13.2	13.7	
Alexandria Health District											
Alexandria	42	52	66	55	65	26.2	32.4	41.4	34.7	41.0	
District Total	42	52	66	55	65	26.2	32.4	41.4	34.7	41.0	
Arlington Health District											
Arlington	62	82	77	67	72	26.4	34.5	32.5	27.9	30.0	
District Total	62	82	77	67	72	26.4	34.5	32.5	27.9	30.0	
Fairfax Health District											
Fairfax City	5	7	1	2	5	20.7	28.5	4.2	8.5	21.3	
Fairfax Co.	93	119	133	111	120	8.1	10.3	11.6	9.6	10.4	
Falls Church	0	4	2	2	1	0.0	27.1	13.7	13.7	6.8	
District Total	98	130	136	115	126	8.3	10.9	11.5	9.7	10.6	
Loudoun Health District											
Loudoun Co.	30	26	22	20	28	7.5	6.4	5.3	4.7	6.6	
District Total	30	26	22	20	28	7.5	6.4	5.3	4.7	6.6	
Prince William Health District											
Manassas	0	4	7	5	3	0.0	9.6	17.0	12.2	7.3	
Manassas Park	1	2	0	2	3	6.0	11.6	0.0	11.1	16.7	
Prince William Co.	37	53	52	71	52	8.0	11.3	11.1	14.9	10.9	
District Total	38	59	59	78	58	7.3	11.2	11.2	14.6	10.9	

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Table 3ES-d. Northwest Region ES 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	62	69	92	102	141	4.7	5.1	6.8	7.5	10.3	
Blue Ridge Health District											
Albemarle Co.	3	5	4	12	10	2.8	4.6	3.7	10.8	9.0	
Charlottesville	4	6	4	12	18	8.3	12.5	8.5	25.6	38.3	
Fluvanna Co.	0	1	0	1	3	0.0	3.7	0.0	3.6	10.9	
Greene Co.	0	4	1	2	0	0.0	20.2	5.0	9.9	0.0	
Louisa Co.	0	2	3	2	2	0.0	5.4	8.0	5.2	5.2	
Nelson Co.	0	0	2	1	1	0.0	0.0	13.4	6.8	6.8	
District Total	7	18	14	30	34	2.8	7.1	5.5	11.6	13.2	
Central Shenandoah District											
Augusta Co.	1	2	2	3	5	1.3	2.7	2.6	3.9	6.5	
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	0	4	4	5	11	0.0	7.4	7.5	9.4	20.7	
Highland Co.	0	1	0	0	0	0.0	45.2	0.0	0.0	0.0	
Lexington	0	1	1	0	0	0.0	14.0	13.4	0.0	0.0	
Rockbridge Co.	3	1	1	0	1	13.2	4.4	4.4	0.0	4.4	
Rockingham Co.	2	1	0	1	6	2.5	1.2	0.0	1.2	7.3	
Staunton	3	2	2	5	4	12.2	8.0	8.0	19.8	15.9	
Waynesboro	2	3	5	5	4	9.0	13.3	22.1	22.0	17.6	
District Total	11	15	15	19	31	3.7	5.0	5.0	6.3	10.2	
Lord Fairfax Health District											
Clarke Co.	0	0	2	0	2	0.0	0.0	13.7	0.0	13.7	
Frederick Co.	1	2	1	5	3	1.2	2.3	1.1	5.5	3.3	
Page Co.	0	0	1	0	1	0.0	0.0	4.2	0.0	4.2	
Shenandoah Co.	2	1	5	2	3	4.6	2.3	11.5	4.6	6.8	
Warren Co.	1	4	1	6	4	2.5	10.0	2.5	14.8	9.9	
Winchester	4	1	1	1	3	14.3	3.6	3.6	3.6	10.8	
District Total	8	8	11	14	16	3.4	3.4	4.6	5.8	6.6	
Rappahannock Health District											
Caroline Co.	4	0	4	6	3	13.1	0.0	13.0	19.4	9.7	
Fredericksburg	4	3	4	2	8	14.1	10.3	13.8	6.8	27.1	
King George Co.	0	2	0	0	0	0.0	7.5	0.0	0.0	0.0	
Spotsylvania Co.	11	9	12	5	16	8.3	6.7	8.8	3.6	11.6	
Stafford Co.	13	9	21	19	17	8.9	6.0	13.7	12.1	10.8	
District Total	32	23	41	32	44	8.8	6.2	10.9	8.4	11.5	
Rappahannock/Rapidan Health District											
Culpeper Co.	3	0	3	0	8	5.9	0.0	5.7	0.0	14.9	
Fauquier Co.	0	4	5	1	7	0.0	5.7	7.0	1.4	9.8	
Madison Co.	0	1	0	0	0	0.0	7.5	0.0	0.0	0.0	
Orange Co.	0	0	3	6	1	0.0	0.0	8.1	15.9	2.7	
Rappahannock Co.	1	0	0	0	0	13.7	0.0	0.0	0.0	0.0	
District Total	4	5	11	7	16	2.3	2.8	6.1	3.8	8.7	

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Table 3ES-e. Southwest Region ES 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	96	103	52	65	110	7.1	7.7	3.9	4.9	8.2	
Alleghany Health District											
Alleghany Co.	0	0	0	0	2	0.0	0.0	0.0	0.0	13.6	
Botetourt Co.	1	1	0	0	2	3.0	3.0	0.0	0.0	5.9	
Covington	1	0	0	0	3	18.1	0.0	0.0	0.0	53.2	
Craig Co.	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	
Roanoke Co.	7	6	2	2	8	7.5	6.4	2.1	2.1	8.5	
Salem	3	3	2	2	1	11.6	11.7	7.9	7.9	3.9	
District Total	12	10	4	4	16	6.7	5.6	2.2	2.2	8.9	
Central Virginia Health District											
Amherst Co.	1	0	1	1	2	3.2	0.0	3.2	3.2	6.3	
Appomattox Co.	1	0	0	0	0	6.4	0.0	0.0	0.0	0.0	
Bedford Co.	0	0	2	2	1	0.0	0.0	2.5	2.5	1.3	
Campbell Co.	2	4	2	1	2	3.6	7.3	3.6	1.8	3.6	
Lynchburg	3	5	5	5	7	3.7	6.1	6.1	6.1	8.6	
District Total	7	9	10	9	12	2.7	3.4	3.8	3.4	4.5	
Cumberland Plateau Health District											
Buchanan Co.	0	0	0	1	2	0.0	0.0	0.0	4.9	9.7	
Dickenson Co.	0	1	0	0	0	0.0	6.9	0.0	0.0	0.0	
Russell Co.	2	0	1	0	3	7.4	0.0	3.8	0.0	11.3	
Tazewell Co.	0	1	0	0	5	0.0	2.4	0.0	0.0	12.3	
District Total	2	2	1	1	10	1.9	1.9	1.0	1.0	9.8	
Lenowisco Health District											
Lee Co.	0	1	0	1	1	0.0	4.2	0.0	4.3	4.3	
Norton	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	
Scott Co.	1	1	1	1	0	4.6	4.6	4.6	4.6	0.0	
Wise Co.	1	1	0	1	1	2.6	2.6	0.0	2.7	2.7	
District Total	2	3	1	3	2	2.3	3.4	1.2	3.5	2.3	
Mount Rogers Health District											
Bland Co.	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	
Bristol	1	0	3	1	5	6.0	0.0	17.9	5.8	28.9	
Carroll Co.	1	0	1	2	5	3.4	0.0	3.4	6.7	16.6	
Galax	1	0	0	2	1	15.1	0.0	0.0	31.8	15.9	
Grayson Co.	0	0	1	1	2	0.0	0.0	6.4	6.5	12.9	
Smyth Co.	1	2	2	1	0	3.3	6.6	6.6	3.3	0.0	
Washington Co.	0	3	2	5	1	0.0	5.5	3.7	9.3	1.9	
Wythe Co.	2	1	4	1	1	6.9	3.5	13.9	3.5	3.5	
District Total	6	6	13	13	15	3.2	3.2	6.9	6.9	8.0	
New River Health District											
Floyd Co.	0	1	0	0	0	0.0	6.3	0.0	0.0	0.0	
Giles Co.	0	0	0	1	1	0.0	0.0	0.0	6.0	6.0	
Montgomery Co.	4	3	0	2	11	4.1	3.0	0.0	2.0	11.2	
Pulaski Co.	1	2	2	1	0	2.9	5.9	5.9	2.9	0.0	
Radford	4	1	0	2	0	22.7	5.5	0.0	11.0	0.0	
District Total	9	7	2	6	12	4.9	3.8	1.1	3.3	6.6	

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Table 3ES-e, cont. Southwest Region ES 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	
Pittsylvania/Danville Health District												
Danville	30	32	6	13	7		72.9	78.6	15.0	32.6	17.6	
Pittsylvania Co.	1	8	4	6	3		1.6	13.1	6.6	10.0	5.0	
District Total	31	40	10	19	10		30.3	39.4	10.0	19.1	10.0	
Roanoke Health District												
Roanoke City	22	18	5	6	26		22.0	18.0	5.0	6.1	26.2	
District Total	22	18	5	6	26		22.0	18.0	5.0	6.1	26.2	
West Piedmont Health District												
Franklin Co.	4	3	0	3	0		7.1	5.3	0.0	5.3	0.0	
Henry Co.	1	4	3	0	5		2.0	7.9	5.9	0.0	9.9	
Martinsville	0	0	3	1	1		0.0	0.0	23.9	8.1	8.1	
Patrick Co.	0	1	0	0	1		0.0	5.7	0.0	0.0	5.7	
District Total	5	8	6	4	7		3.6	5.8	4.4	2.9	5.1	

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Table 4ES-a. Early syphilis 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	42	52	66	55	65	26.2	32.4	41.4	34.7	41.0	21.6%	
Alleghany	12	10	4	4	16	6.7	5.6	2.2	2.2	8.9	112.9%	
Arlington	62	82	77	67	72	26.4	34.5	32.5	27.9	30.0	-1.1%	
Blue Ridge	7	18	14	30	34	2.8	7.1	5.5	11.6	13.2	95.8%	
Central Shenandoah	11	15	15	19	31	3.7	5.0	5.0	6.3	10.2	105.6%	
Central Virginia	7	9	10	9	12	2.7	3.4	3.8	3.4	4.5	36.6%	
Chesapeake	32	34	33	41	44	13.3	14.0	13.5	16.6	17.8	24.1%	
Chesterfield	44	52	53	52	42	11.3	13.1	13.3	12.8	10.4	-18.0%	
Chickahominy	9	14	13	10	7	5.7	8.8	8.0	6.1	4.3	-40.1%	
Crater	65	74	45	55	30	41.9	47.7	29.0	35.7	19.5	-49.5%	
Cumberland Plateau	2	2	1	1	10	1.9	1.9	1.0	1.0	9.8	576.1%	
Eastern Shore	2	3	0	5	2	4.5	6.8	0.0	11.4	4.6	-19.7%	
Fairfax	98	130	136	115	126	8.3	10.9	11.5	9.7	10.6	5.1%	
Hampton	53	39	49	56	48	39.4	29.0	36.4	41.3	35.4	-3.0%	
Henrico Co.	50	74	88	97	69	15.2	22.5	26.6	29.1	20.7	-11.5%	
Lenowisco	2	3	1	3	2	2.3	3.4	1.2	3.5	2.3	-10.3%	
Lord Fairfax	8	8	11	14	16	3.4	3.4	4.6	5.8	6.6	54.5%	
Loudoun Co.	30	26	22	20	28	7.5	6.4	5.3	4.7	6.6	10.5%	
Mount Rogers	6	6	13	13	15	3.2	3.2	6.9	6.9	8.0	57.9%	
New River	9	7	2	6	12	4.9	3.8	1.1	3.3	6.6	100.3%	
Norfolk	102	118	92	100	114	41.7	48.3	37.9	41.2	47.0	11.1%	
Peninsula	79	72	85	69	86	22.6	20.6	24.2	19.5	24.3	12.0%	
Piedmont	10	11	14	10	11	9.8	10.8	13.7	9.8	10.7	-2.3%	
Pittsylvania/Danville	31	40	10	19	10	30.3	39.4	10.0	19.1	10.0	-59.3%	
Portsmouth	37	39	48	51	85	39.1	41.2	50.8	53.6	89.4	93.5%	
Prince William	38	59	59	78	58	7.3	11.2	11.2	14.6	10.9	-1.9%	
Rappahannock	32	23	41	32	44	8.8	6.2	10.9	8.4	11.5	34.2%	
Rapp./Rapidan	4	5	11	7	16	2.3	2.8	6.1	3.8	8.7	134.2%	
Richmond City	99	154	156	138	116	43.6	67.3	67.7	59.4	50.0	-16.1%	
Roanoke City	22	18	5	6	26	22.0	18.0	5.0	6.1	26.2	105.3%	
Southside	3	1	6	5	21	3.7	1.2	7.4	6.2	26.1	463.0%	
Three Rivers	4	8	9	9	8	2.8	5.6	6.4	6.3	5.6	6.3%	
Virginia Beach	103	99	73	69	105	22.9	22.0	16.2	15.3	23.3	21.9%	
West Piedmont	5	8	6	4	7	3.6	5.8	4.4	2.9	5.1	22.7%	
Western Tidewater	24	24	19	26	19	15.7	15.6	12.3	16.5	12.1	-19.6%	
Virginia Total	1,144	1,338	1,287	1,295	1,407	13.5	15.7	15.1	15.1	16.4	10.4%	

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

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Table 4ES-b. Early syphilis 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	37	39	48	51	85	39.1	41.2	50.8	53.6	89.4	93.5%	
Richmond City	99	154	156	138	116	43.6	67.3	67.7	59.4	50.0	-16.1%	
Norfolk	102	118	92	100	114	41.7	48.3	37.9	41.2	47.0	11.1%	
Alexandria	42	52	66	55	65	26.2	32.4	41.4	34.7	41.0	21.6%	
Hampton	53	39	49	56	48	39.4	29.0	36.4	41.3	35.4	-3.0%	
Arlington	62	82	77	67	72	26.4	34.5	32.5	27.9	30.0	-1.1%	
Roanoke City	22	18	5	6	26	22.0	18.0	5.0	6.1	26.2	105.3%	
Southside	3	1	6	5	21	3.7	1.2	7.4	6.2	26.1	463.0%	
Peninsula	79	72	85	69	86	22.6	20.6	24.2	19.5	24.3	12.0%	
Virginia Beach	103	99	73	69	105	22.9	22.0	16.2	15.3	23.3	21.9%	
Henrico Co.	50	74	88	97	69	15.2	22.5	26.6	29.1	20.7	-11.5%	
Crater	65	74	45	55	30	41.9	47.7	29.0	35.7	19.5	-49.5%	
Chesapeake	32	34	33	41	44	13.3	14.0	13.5	16.6	17.8	24.1%	
Virginia Total	1,144	1,338	1,287	1,295	1,407	13.5	15.7	15.1	15.1	16.4	10.4%	
Blue Ridge	7	18	14	30	34	2.8	7.1	5.5	11.6	13.2	95.8%	
Western Tidewater	24	24	19	26	19	15.7	15.6	12.3	16.5	12.1	-19.6%	
Rappahannock	32	23	41	32	44	8.8	6.2	10.9	8.4	11.5	34.2%	
Prince William	38	59	59	78	58	7.3	11.2	11.2	14.6	10.9	-1.9%	
Piedmont	10	11	14	10	11	9.8	10.8	13.7	9.8	10.7	-2.3%	
Fairfax	98	130	136	115	126	8.3	10.9	11.5	9.7	10.6	5.1%	
Chesterfield	44	52	53	52	42	11.3	13.1	13.3	12.8	10.4	-18.0%	
Central Shenandoah	11	15	15	19	31	3.7	5.0	5.0	6.3	10.2	105.6%	
Pittsylvania/Danville	31	40	10	19	10	30.3	39.4	10.0	19.1	10.0	-59.3%	
Cumberland Plateau	2	2	1	1	10	1.9	1.9	1.0	1.0	9.8	576.1%	
Alleghany	12	10	4	4	16	6.7	5.6	2.2	2.2	8.9	112.9%	
Rapp./Rapidan	4	5	11	7	16	2.3	2.8	6.1	3.8	8.7	134.2%	
Mount Rogers	6	6	13	13	15	3.2	3.2	6.9	6.9	8.0	57.9%	
Loudoun Co.	30	26	22	20	28	7.5	6.4	5.3	4.7	6.6	10.5%	
Lord Fairfax	8	8	11	14	16	3.4	3.4	4.6	5.8	6.6	54.5%	
New River	9	7	2	6	12	4.9	3.8	1.1	3.3	6.6	100.3%	
Three Rivers	4	8	9	9	8	2.8	5.6	6.4	6.3	5.6	6.3%	
West Piedmont	5	8	6	4	7	3.6	5.8	4.4	2.9	5.1	22.7%	
Eastern Shore	2	3	0	5	2	4.5	6.8	0.0	11.4	4.6	-19.7%	
Central Virginia	7	9	10	9	12	2.7	3.4	3.8	3.4	4.5	36.6%	
Chickahominy	9	14	13	10	7	5.7	8.8	8.0	6.1	4.3	-40.1%	
Lenowisco	2	3	1	3	2	2.3	3.4	1.2	3.5	2.3	-10.3%	

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

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

	2021			
	No.	Pct. of total	No. with HIV coinfection	Pct. with HIV coinfection
Total	1,407	100%	489	34.8%
Gender of case and gender of reported lifetime sex partners				
Men who have sex with men only	721	51.2%	347	48.1%
Men who have sex with men and women	154	10.9%	85	55.2%
Men who have sex with women only	219	15.6%	18	8.2%
Men, gender of partners unknown	87	6.2%	20	23.0%
Women, all	194	13.8%	5	2.6%
Transgender/ other, all	32	2.3%	14	43.8%
Lifetime reported risk				
Incarcerated	119	8.5%	48	40.3%
Transactional sex	8	0.6%	6	75.0%
Injection drug use	64	4.5%	39	60.9%
Heroin/opioid use	33	2.3%	14	42.4%
Cocaine use	72	5.1%	37	51.4%
Meth use	82	5.8%	49	59.8%

Figure 4ES. Early syphilis, by gender of patient and sex partners and HIV infection status (2021)

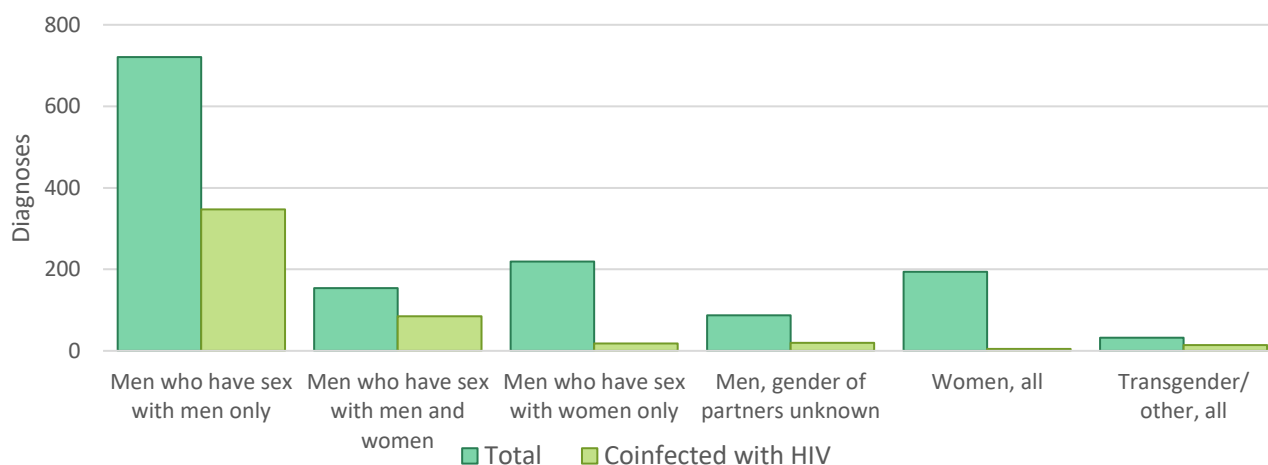
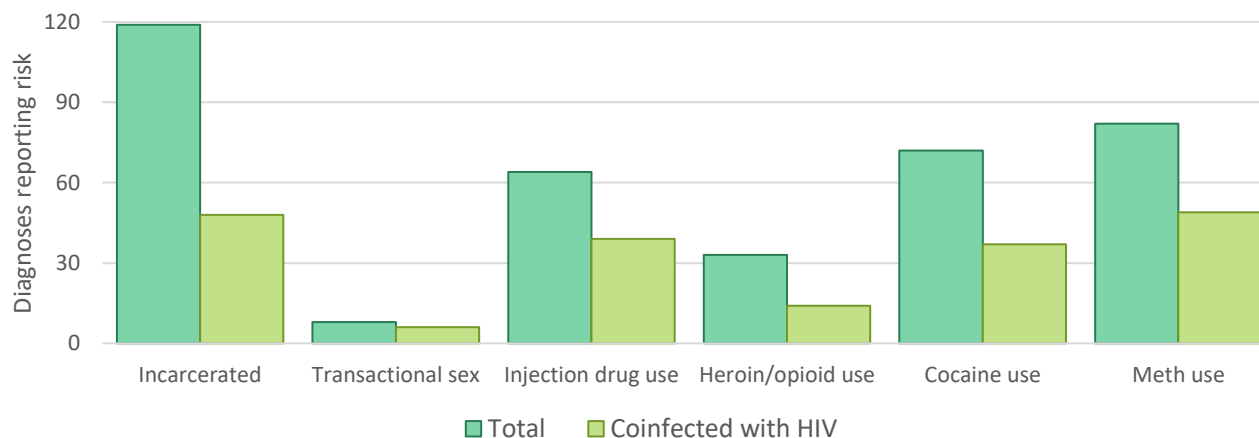


Figure 5ES. Early syphilis diagnoses with reported lifetime risk and HIV infection status (2021)

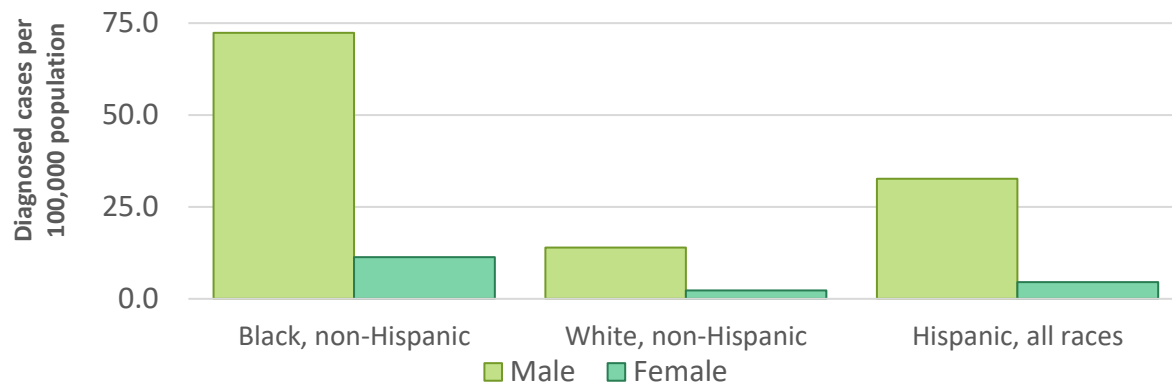


VIRGINIA STD SURVEILLANCE REPORT

Table 6ES. Early Syphilis Diagnoses by Additional Demographics, 2021

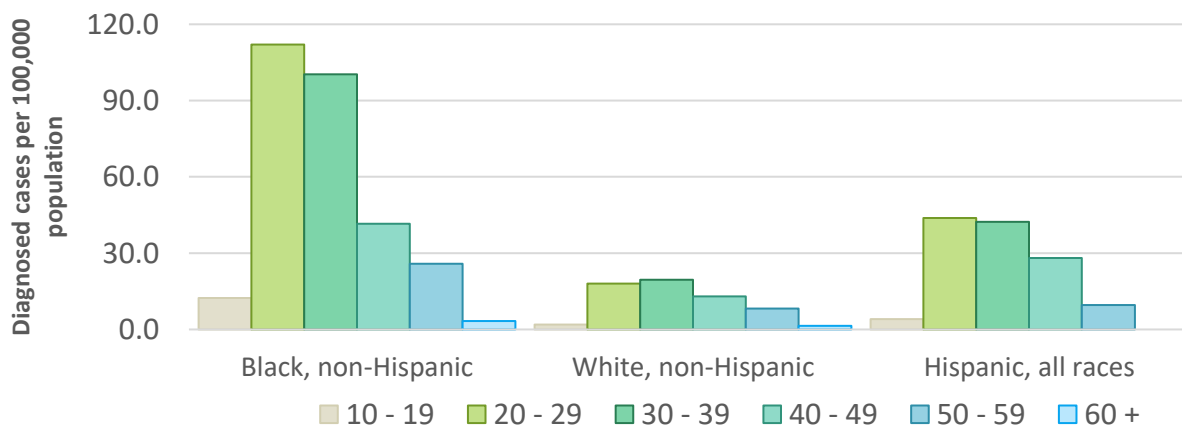
	Black, non-Hispanic		White, non-Hispanic		Hispanic, all races		Multi-race or other	Unknown
	No.	Rate	No.	Rate	No.	Rate	No.	No.
Total	710	41.6	386	7.2	134	16.1	53	5
Gender								
Male	599	72.4	367	13.9	144	32.7	55	16
Female	101	11.3	62	2.3	19	4.6	11	1
Transgender/ Other	19	--	6	--	4	--	3	0

Figure 6ES. Early syphilis 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	719	41.6	435	7.2	167	16.1	69	17
Age at diagnosis								
< 10	0	0.0	0	0.0	0	0.0	0	0
10 - 19	29	12.4	12	2.0	6	4.1	2	2
20 - 29	294	112.1	123	18.0	60	43.8	29	3
30 - 39	242	100.4	135	19.6	58	42.3	18	4
40 - 49	86	41.6	83	13.0	35	28.1	11	6
50 - 59	57	25.8	61	8.2	8	9.6	8	1
60 +	11	3.3	21	1.5	0	0.0	1	1

Figure 7ES. Early syphilis diagnoses by race/ethnicity and age, 2021



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Table 6ES. Early Syphilis Diagnoses by Additional Demographics, 2021

	Male		Female		Transgender/ Other	
	No.	Rate	No.	Rate	No.	Rate
Total	1181	25.6	194	3.9	32	--
Age at diagnosis						
< 10	0	0.0	0	0.0	0	--
10 - 19	35	6.4	15	2.9	1	--
20 - 29	408	67.3	93	16.3	8	--
30 - 39	388	65.6	53	9.0	16	--
40 - 49	196	36.7	20	3.7	5	--
50 - 59	122	22.2	11	1.9	2	--
60 +	32	3.6	2	0.2	0	--

Figure 8ES. Early syphilis diagnoses by gender and age at diagnosis, 2021

