VIRGINIA STD SURVEILLANCE REPORT

Table 1ES. New Early Syphilis Diagnoses

	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	Trend
	No.	No.	No.	No.	No.	Rate	Rate	Rate	Rate	Rate	
Total	**892**	**1,061**	**1,145**	**1,340**	**1,285**	**10.6**	**12.6**	**13.5**	**15.7**	**15.1**	
Gender											
Male	796	907	981	1,181	1,114	19.3	21.9	23.5	28.2	26.5	
Female	85	133	151	142	138	2.0	3.1	3.5	3.3	3.2	
Transgender/other	11	21	13	17	33	--	--	--	--	--	
Age at diagnosis											
< 10	1	0	0	0	0	0.1	0.0	0.0	0.0	0.0	
10 - 14	0	2	0	1	1	0.0	0.4	0.0	0.2	0.2	
15 - 19	39	46	68	46	47	7.2	8.5	12.6	8.5	8.7	
20 - 24	177	220	212	256	251	29.5	37.3	36.4	44.2	43.9	
25 - 29	214	272	269	315	295	35.7	46.1	44.8	52.1	49.0	
30 - 34	145	173	181	240	241	24.8	29.7	31.0	40.9	41.0	
35 - 39	84	110	131	143	154	15.4	19.7	23.0	24.7	26.5	
40 - 44	66	54	97	76	81	12.2	10.2	18.5	14.4	15.3	
45 - 49	62	68	79	77	71	11.0	12.0	14.0	13.8	13.0	
50 - 54	48	55	57	89	69	7.9	9.2	9.8	15.7	12.5	
55 - 59	31	39	30	59	43	5.4	6.7	5.2	10.1	7.4	
60 - 64	14	8	9	23	23	2.9	1.6	1.8	4.4	4.3	
> 64	11	14	12	15	9	0.9	1.1	0.9	1.1	0.7	
Race/ethnicity											
Black, non-Hispanic	504	619	656	735	761	30.3	37.0	38.8	43.2	44.6	
White, non-Hispanic	265	241	311	405	329	4.9	4.5	5.8	7.6	6.2	
Hispanic (all races)	70	94	111	135	134	9.3	12.3	14.0	16.4	16.1	
Other/multi-race	30	38	49	61	55	--	--	--	--	--	
Unknown	23	69	18	4	6	--	--	--	--	--	
Health Region											
Central	211	273	280	381	376	14.8	19.1	19.4	26.2	25.7	
Eastern	370	437	436	437	407	19.9	23.5	23.5	23.6	21.9	
Northern	184	248	271	349	358	7.5	10.1	10.8	13.8	14.2	
Northwest	60	45	62	70	92	4.6	3.4	4.7	5.2	6.8	
Southwest	67	58	96	103	52	4.9	4.3	7.1	7.7	3.9	
All syphilis diagnoses, by stage											
Primary	105	123	156	226	230	1.3	1.5	1.8	2.7	2.7	
Secondary	288	338	359	474	406	3.4	4.0	4.2	5.6	4.8	
Early, non-P/S	499	600	630	640	649	6.0	7.1	7.4	7.5	7.6	
Late or unk. duration	270	328	545	639	687	3.2	3.9	6.4	7.5	8.0	

Figure 1ES. Rate of early syphilis diagnoses by race/ethnicity, 2015 - 2019

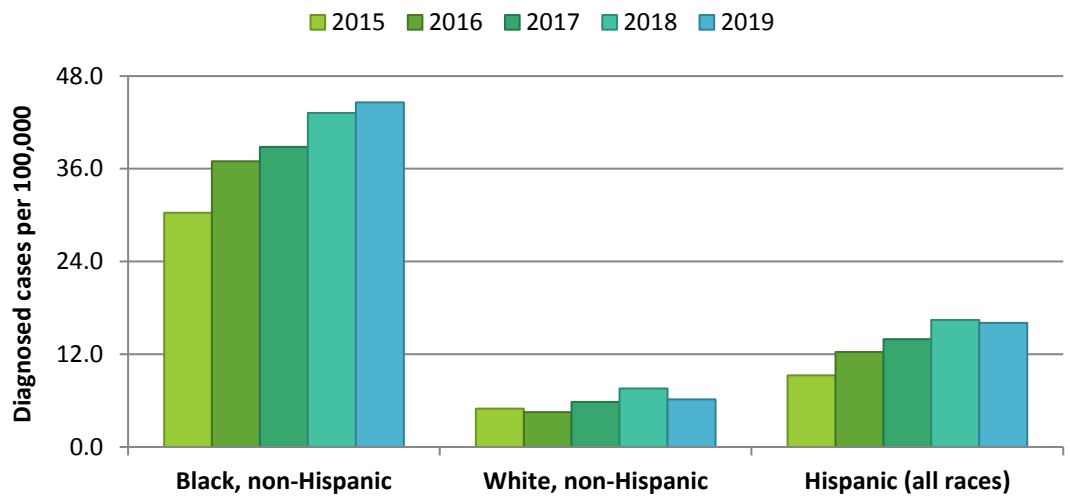

Figure 2ES. Rate of early syphilis diagnoses by gender, 2015 - 2019

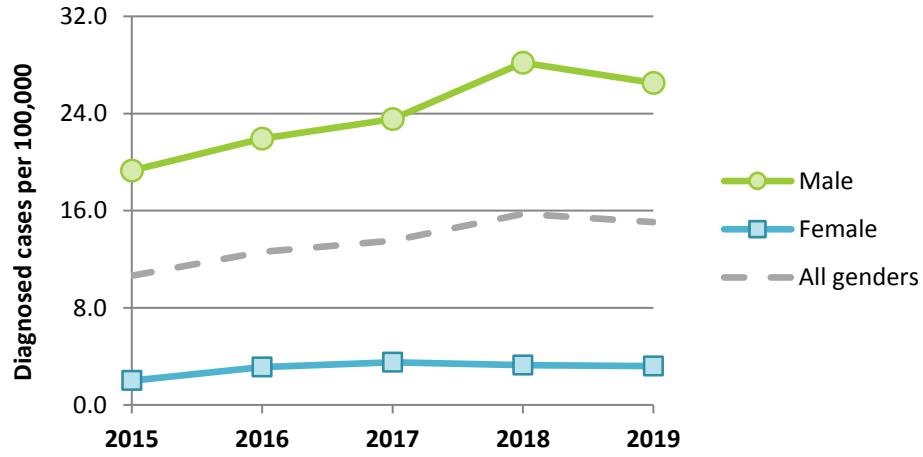

Figure 3ES. Rate of early syphilis diagnoses by age in years, 2015 - 2019

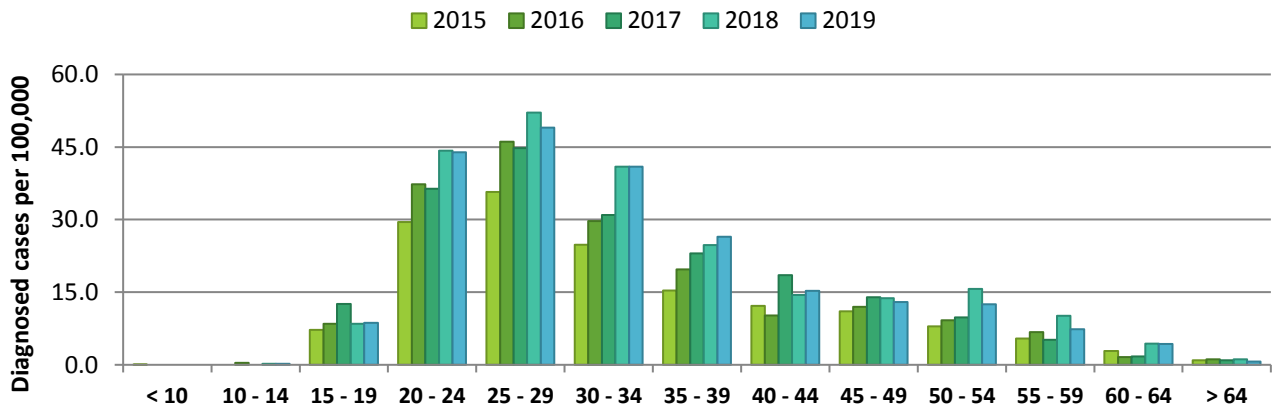

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Table 2ES. Early Syphilis Diagnoses by Region, 2019

	Central	Eastern	Northern	Northwest	Southwest
	No.	No.	No.	No.	No.
Total	**376**	**407**	**358**	**92**	**52**
Gender					
Male	299	357	330	85	43
Female	60	40	23	7	8
Transgender	17	10	5	0	1
% Female / *% Male*					
Age in years					
< 10	0	0	0	0	0
10 - 14	1	0	0	0	0
15 - 19	11	20	12	2	2
20 - 24	70	88	68	20	5
25 - 29	97	94	70	24	10
30 - 34	74	81	63	12	11
35 - 39	46	43	43	14	8
40 - 44	22	21	26	8	4
45 - 49	19	19	28	2	3
50 - 54	18	20	22	3	6
55 - 59	8	14	16	5	0
60 - 64	8	6	7	1	1
> 64	2	1	3	1	2
Race/ethnicity					
Black, non-Hispanic	303	287	106	41	24
White, non-Hispanic	55	90	119	38	27
Hispanic (all races)	10	17	96	10	1
Other/ Multi-race	8	13	31	3	0
Unknown	0	0	6	0	0

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

	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	Trend
	No.	No.	No.	No.	No.	Rate	Rate	Rate	Rate	Rate	
Region Total	**211**	**273**	**280**	**381**	**376**	**14.8**	**19.1**	**19.4**	**26.2**	**25.7**	
Chesterfield Health District											
Chesterfield Co.	15	44	38	48	49	4.5	13.0	11.1	13.8	13.9	
Colonial Heights	1	2	5	3	2	5.6	11.3	28.0	16.8	11.5	
Powhatan Co.	0	2	1	1	2	0.0	7.0	3.5	3.4	6.7	
District Total	**16**	**48**	**44**	**52**	**53**	**4.2**	**12.5**	**11.3**	**13.1**	**13.3**	
Chickahominy Health District											
Charles City Co.	1	3	1	1	3	14.2	42.4	14.3	14.4	43.1	
Goochland Co.	4	3	2	1	0	18.0	13.2	8.8	4.3	0.0	
Hanover Co.	1	4	6	8	6	1.0	3.8	5.7	7.5	5.6	
New Kent Co.	0	1	0	4	4	0.0	4.7	0.0	17.9	17.3	
District Total	**6**	**11**	**9**	**14**	**13**	**3.9**	**7.1**	**5.7**	**8.8**	**8.0**	
Crater Health District											
Dinwiddie Co.	3	7	6	8	4	10.8	24.9	21.3	28.0	14.0	
Emporia	3	1	3	0	3	54.6	18.9	56.8	0.0	56.1	
Greensville Co.	2	3	3	1	1	16.8	25.6	25.7	8.6	8.8	
Hopewell	9	8	2	10	11	40.2	35.2	8.8	44.3	48.8	
Petersburg	16	24	31	42	18	49.3	75.3	97.6	133.1	57.4	
Prince George Co.	8	10	16	12	8	21.1	26.4	42.3	31.5	20.9	
Surry Co.	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	
Sussex Co.	5	1	4	1	0	42.7	8.7	35.2	8.9	0.0	
District Total	**46**	**54**	**65**	**74**	**45**	**29.4**	**34.7**	**41.9**	**47.7**	**29.0**	
Henrico Health District											
Henrico Co.	35	41	50	74	88	10.8	12.6	15.2	22.5	26.6	
District Total	**35**	**41**	**50**	**74**	**88**	**10.8**	**12.6**	**15.2**	**22.5**	**26.6**	
Piedmont Health District											
Amelia Co.	0	0	3	1	0	0.0	0.0	23.0	7.7	0.0	
Buckingham Co.	0	1	1	1	0	0.0	5.9	5.9	5.9	0.0	
Charlotte Co.	0	1	0	1	0	0.0	8.2	0.0	8.4	0.0	
Cumberland Co.	1	1	1	0	1	10.3	10.4	10.2	0.0	10.1	
Lunenburg Co.	0	1	0	0	0	0.0	8.1	0.0	0.0	0.0	
Nottoway Co.	2	6	4	3	6	12.8	38.5	25.9	19.5	39.4	
Prince Edward Co.	1	2	1	5	7	4.4	8.6	4.4	21.8	30.7	
District Total	**4**	**12**	**10**	**11**	**14**	**3.9**	**11.7**	**9.8**	**10.8**	**13.7**	
Richmond City Health District											
Richmond City	97	104	99	155	157	44.0	46.6	43.6	67.7	68.1	
District Total	**97**	**104**	**99**	**155**	**157**	**44.0**	**46.6**	**43.6**	**67.7**	**68.1**	
Southside Health District											
Brunswick Co.	2	2	1	1	2	12.0	12.3	6.2	6.1	12.3	
Halifax Co.	3	0	2	0	3	8.5	0.0	5.8	0.0	8.8	
Mecklenburg Co.	2	1	0	0	1	6.4	3.2	0.0	0.0	3.3	
District Total	**7**	**3**	**3**	**1**	**6**	**8.4**	**3.7**	**3.7**	**1.2**	**7.4**	

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

	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	Trend
	No.	No.	No.	No.	No.	Rate	Rate	Rate	Rate	Rate	
Region Total	**370**	**437**	**436**	**437**	**407**	**19.9**	**23.5**	**23.5**	**23.6**	**21.9**	
Chesapeake Health District											
Chesapeake	34	38	32	34	33	14.4	16.0	13.3	14.0	13.5	
District Total	**34**	**38**	**32**	**34**	**33**	**14.4**	**16.0**	**13.3**	**14.0**	**13.5**	
Eastern Shore Health District											
Accomack Co.	1	0	2	3	0	3.0	0.0	6.1	9.3	0.0	
Northampton Co.	0	1	0	0	0	0.0	8.2	0.0	0.0	0.0	
District Total	**1**	**1**	**2**	**3**	**0**	**2.2**	**2.2**	**4.5**	**6.8**	**0.0**	
Hampton Health District											
Hampton	37	50	53	39	49	27.1	36.9	39.4	29.0	36.4	
District Total	**37**	**50**	**53**	**39**	**49**	**27.1**	**36.9**	**39.4**	**29.0**	**36.4**	
Norfolk Health District											
Norfolk	75	106	102	118	91	30.4	43.2	41.7	48.3	37.5	
District Total	**75**	**106**	**102**	**118**	**91**	**30.4**	**43.2**	**41.7**	**48.3**	**37.5**	
Peninsula Health District											
James City Co.	3	2	7	5	2	4.1	2.7	9.3	6.5	2.6	
York Co.	5	6	6	6	6	7.4	8.8	8.9	8.8	8.8	
Newport News	60	64	64	57	75	32.9	35.2	35.7	31.9	41.8	
Poquoson	0	1	0	0	0	0.0	8.3	0.0	0.0	0.0	
Williamsburg	1	3	2	5	2	6.6	19.7	13.3	33.6	13.4	
District Total	**69**	**76**	**79**	**73**	**85**	**19.7**	**21.6**	**22.6**	**20.9**	**24.2**	
Portsmouth Health District											
Portsmouth	33	33	37	39	48	34.3	34.6	39.1	41.2	50.8	
District Total	**33**	**33**	**37**	**39**	**48**	**34.3**	**34.6**	**39.1**	**41.2**	**50.8**	
Three Rivers Health District											
Essex Co.	0	0	1	2	0	0.0	0.0	9.1	18.3	0.0	
Gloucester Co.	0	1	1	1	4	0.0	2.7	2.7	2.7	10.7	
King and Queen Co.	0	0	0	1	0	0.0	0.0	0.0	14.2	0.0	
King William Co.	0	2	0	1	1	0.0	12.2	0.0	5.9	5.8	
Lancaster Co.	2	2	1	0	0	18.2	18.2	9.3	0.0	0.0	
Mathews Co.	1	0	0	0	2	11.3	0.0	0.0	0.0	22.6	
Middlesex Co.	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	
Northumberland Co.	0	0	0	0	1	0.0	0.0	0.0	0.0	8.3	
Richmond Co.	1	0	1	2	0	11.2	0.0	11.2	22.1	0.0	
Westmoreland Co.	1	1	0	1	1	5.7	5.7	0.0	5.6	5.6	
District Total	**5**	**6**	**4**	**8**	**9**	**3.5**	**4.3**	**2.8**	**5.6**	**6.4**	
Virginia Beach Health District											
Virginia Beach	88	97	103	99	73	19.4	21.4	22.9	22.0	16.2	
District Total	**88**	**97**	**103**	**99**	**73**	**19.4**	**21.4**	**22.9**	**22.0**	**16.2**	
Western Tidewater Health District											
Franklin City	0	3	3	3	0	0.0	36.1	36.7	37.4	0.0	
Isle of Wight Co.	6	10	2	1	2	16.5	27.3	5.5	2.7	5.4	
Southampton Co.	4	1	0	1	1	22.1	5.5	0.0	5.7	5.7	
Suffolk	18	16	19	19	16	20.4	17.9	21.1	20.8	17.4	
District Total	**28**	**30**	**24**	**24**	**19**	**18.5**	**19.7**	**15.7**	**15.6**	**12.3**	

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

	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	Trend
	No.	No.	No.	No.	No.	Rate	Rate	Rate	Rate	Rate	
Region Total	**184**	**248**	**271**	**349**	**358**	**7.5**	**10.1**	**10.8**	**13.8**	**14.2**	
Alexandria Health District											
Alexandria	28	37	42	52	66	18.2	23.7	26.2	32.4	41.4	
District Total	**28**	**37**	**42**	**52**	**66**	**18.2**	**23.7**	**26.2**	**32.4**	**41.4**	
Arlington Health District											
Arlington	54	64	63	82	75	23.6	27.8	26.8	34.5	31.7	
District Total	**54**	**64**	**63**	**82**	**75**	**23.6**	**27.8**	**26.8**	**34.5**	**31.7**	
Fairfax Health District											
Fairfax City	0	0	5	7	1	0.0	0.0	20.7	28.5	4.2	
Fairfax Co.	46	88	93	119	133	4.0	7.7	8.1	10.3	11.6	
Falls Church	1	2	0	4	2	7.2	14.3	0.0	27.1	13.7	
District Total	**47**	**90**	**98**	**130**	**136**	**4.0**	**7.6**	**8.3**	**10.9**	**11.5**	
Loudoun Health District											
Loudoun Co.	12	21	30	26	22	3.2	5.4	7.5	6.4	5.3	
District Total	**12**	**21**	**30**	**26**	**22**	**3.2**	**5.4**	**7.5**	**6.4**	**5.3**	
Prince William Health District											
Manassas	5	0	0	4	7	12.0	0.0	0.0	9.6	17.0	
Manassas Park	1	2	1	2	0	6.4	12.6	6.0	11.6	0.0	
Prince William Co.	37	34	37	53	52	8.2	7.5	8.0	11.3	11.1	
District Total	**43**	**36**	**38**	**59**	**59**	**8.4**	**7.0**	**7.3**	**11.2**	**11.2**	

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

	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	Trend
	No.	No.	No.	No.	No.	Rate	Rate	Rate	Rate	Rate	
Region Total	**60**	**45**	**62**	**70**	**92**	**4.6**	**3.4**	**4.7**	**5.2**	**6.8**	
Central Shenandoah District											
Augusta Co.	1	0	1	2	2	1.3	0.0	1.3	2.7	2.6	
Bath Co.	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	
Buena Vista	1	0	0	0	0	15.1	0.0	0.0	0.0	0.0	
Harrisonburg	7	1	0	4	4	13.3	1.9	0.0	7.4	7.5	
Highland Co.	0	0	0	1	0	0.0	0.0	0.0	45.2	0.0	
Lexington	0	0	0	1	1	0.0	0.0	0.0	14.0	13.4	
Rockbridge Co.	1	0	3	1	1	4.5	0.0	13.2	4.4	4.4	
Rockingham Co.	4	1	2	1	0	5.1	1.3	2.5	1.2	0.0	
Staunton	1	1	3	2	2	4.1	4.1	12.2	8.0	8.0	
Waynesboro	1	0	2	3	5	4.7	0.0	9.0	13.3	22.1	
District Total	**16**	**3**	**11**	**15**	**15**	**5.4**	**1.0**	**3.7**	**5.0**	**5.0**	
Lord Fairfax Health District											
Clarke Co.	0	0	0	0	2	0.0	0.0	0.0	0.0	13.7	
Frederick Co.	0	0	1	2	1	0.0	0.0	1.2	2.3	1.1	
Page Co.	0	0	0	0	1	0.0	0.0	0.0	0.0	4.2	
Shenandoah Co.	0	0	2	1	5	0.0	0.0	4.6	2.3	11.5	
Warren Co.	4	1	1	4	1	10.2	2.6	2.5	10.0	2.5	
Winchester	3	3	4	1	1	11.0	10.9	14.3	3.6	3.6	
District Total	**7**	**4**	**8**	**8**	**11**	**3.0**	**1.7**	**3.4**	**3.4**	**4.6**	
Rappahannock Health District											
Caroline Co.	0	1	4	0	4	0.0	3.3	13.1	0.0	13.0	
Fredericksburg	2	1	4	3	3	7.1	3.5	14.1	10.3	10.3	
King George Co.	4	2	0	2	0	15.7	7.7	0.0	7.5	0.0	
Spotsylvania Co.	10	10	11	10	13	7.7	7.6	8.3	7.4	9.5	
Stafford Co.	5	8	13	9	21	3.5	5.5	8.9	6.0	13.7	
District Total	**21**	**22**	**32**	**24**	**41**	**5.9**	**6.1**	**8.8**	**6.5**	**10.9**	
Rappahannock/Rapidan Health District											
Culpeper Co.	2	0	3	0	3	4.0	0.0	5.9	0.0	5.7	
Fauquier Co.	0	1	0	4	5	0.0	1.4	0.0	5.7	7.0	
Madison Co.	0	1	0	1	0	0.0	7.6	0.0	7.5	0.0	
Orange Co.	1	0	0	0	3	2.8	0.0	0.0	0.0	8.1	
Rappahannock Co.	1	0	1	0	0	13.6	0.0	13.7	0.0	0.0	
District Total	**4**	**2**	**4**	**5**	**11**	**2.3**	**1.1**	**2.3**	**2.8**	**6.1**	
Thomas Jefferson Health District											
Albemarle Co.	2	6	3	5	4	1.9	5.6	2.8	4.6	3.7	
Charlottesville	8	6	4	6	4	17.2	12.8	8.3	12.5	8.5	
Fluvanna Co.	1	1	0	1	0	3.8	3.8	0.0	3.7	0.0	
Greene Co.	0	0	0	4	1	0.0	0.0	0.0	20.2	5.0	
Louisa Co.	0	1	0	2	3	0.0	2.8	0.0	5.4	8.0	
Nelson Co.	1	0	0	0	2	6.8	0.0	0.0	0.0	13.4	
District Total	**12**	**14**	**7**	**18**	**14**	**4.9**	**5.6**	**2.8**	**7.1**	**5.5**	

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

	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	Trend
	No.	No.	No.	No.	No.	Rate	Rate	Rate	Rate	Rate	
Region Total	**67**	**58**	**96**	**103**	**52**	**4.9**	**4.3**	**7.1**	**7.7**	**3.9**	
Alleghany Health District											
Alleghany Co.	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	
Botetourt Co.	0	0	1	1	0	0.0	0.0	3.0	3.0	0.0	
Covington	0	1	1	0	0	0.0	18.1	18.1	0.0	0.0	
Craig Co.	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	
Roanoke Co.	3	2	7	6	2	3.2	2.1	7.5	6.4	2.1	
Salem	6	1	3	3	2	23.6	3.9	11.6	11.7	7.9	
District Total	**9**	**4**	**12**	**10**	**4**	**5.0**	**2.2**	**6.7**	**5.6**	**2.2**	
Central Virginia Health District											
Amherst Co.	1	0	1	0	1	3.1	0.0	3.2	0.0	3.2	
Appomattox Co.	0	2	1	0	0	0.0	12.9	6.4	0.0	0.0	
Bedford Co.	1	3	0	0	2	1.3	3.8	0.0	0.0	2.5	
Campbell Co.	3	1	2	4	2	5.4	1.8	3.6	7.3	3.6	
Lynchburg	10	4	3	5	5	12.5	5.0	3.7	6.1	6.1	
District Total	**15**	**10**	**7**	**9**	**10**	**5.8**	**3.8**	**2.7**	**3.4**	**3.8**	
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	0	1	0	0.0	0.0	0.0	6.9	0.0	
Russell Co.	0	0	2	0	1	0.0	0.0	7.4	0.0	3.8	
Tazewell Co.	0	0	0	1	0	0.0	0.0	0.0	2.4	0.0	
District Total	**0**	**0**	**2**	**2**	**1**	**0.0**	**0.0**	**1.9**	**1.9**	**1.0**	
Lenowisco Health District											
Lee Co.	1	0	0	1	0	4.0	0.0	0.0	4.2	0.0	
Norton	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	
Scott Co.	1	0	1	1	1	4.5	0.0	4.6	4.6	4.6	
Wise Co.	0	0	1	1	0	0.0	0.0	2.6	2.6	0.0	
District Total	**2**	**0**	**2**	**3**	**1**	**2.2**	**0.0**	**2.3**	**3.4**	**1.2**	
Mount Rogers Health District											
Bland Co.	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	
Bristol	0	1	1	0	3	0.0	5.9	6.0	0.0	17.9	
Carroll Co.	0	1	1	0	1	0.0	3.4	3.4	0.0	3.4	
Galax	0	1	1	0	0	0.0	14.8	15.1	0.0	0.0	
Grayson Co.	0	0	0	0	1	0.0	0.0	0.0	0.0	6.4	
Smyth Co.	1	0	1	2	2	3.2	0.0	3.3	6.6	6.6	
Washington Co.	1	0	0	3	2	1.8	0.0	0.0	5.5	3.7	
Wythe Co.	0	2	2	1	4	0.0	6.9	6.9	3.5	13.9	
District Total	**2**	**5**	**6**	**6**	**13**	**1.0**	**2.6**	**3.2**	**3.2**	**6.9**	
New River Health District											
Floyd Co.	0	2	0	1	0	0.0	12.7	0.0	6.3	0.0	
Giles Co.	2	2	0	0	0	12.0	11.9	0.0	0.0	0.0	
Montgomery Co.	3	4	4	3	0	3.1	4.1	4.1	3.0	0.0	
Pulaski Co.	0	0	1	2	2	0.0	0.0	2.9	5.9	5.9	
Radford	0	3	4	1	0	0.0	17.2	22.7	5.5	0.0	
District Total	**5**	**11**	**9**	**7**	**2**	**2.8**	**6.0**	**4.9**	**3.8**	**1.1**	
Pittsylvania/Danville Health District											
Danville	9	3	30	32	6	21.4	7.2	72.9	78.6	15.0	
Pittsylvania Co.	3	5	1	8	4	4.8	8.1	1.6	13.1	6.6	
District Total	**12**	**8**	**31**	**40**	**10**	**11.5**	**7.7**	**30.3**	**39.4**	**10.0**	

VIRGINIA STD SURVEILLANCE REPORT

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

	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	
	No.	No.	No.	No.	No.	Rate	Rate	Rate	Rate	Rate	
Roanoke Health District											
Roanoke City	16	13	22	18	5	16.0	13.0	22.0	18.0	5.0	
District Total	**16**	**13**	**22**	**18**	**5**	**16.0**	**13.0**	**22.0**	**18.0**	**5.0**	
West Piedmont Health District											
Franklin Co.	2	1	4	3	0	3.6	1.8	7.1	5.3	0.0	
Henry Co.	2	4	1	4	2	3.9	7.8	2.0	7.9	4.0	
Martinsville	2	2	0	0	4	14.7	14.9	0.0	0.0	31.9	
Patrick Co.	0	0	0	1	0	0.0	0.0	0.0	5.7	0.0	
District Total	**6**	**7**	**5**	**8**	**6**	**4.3**	**5.0**	**3.6**	**5.8**	**4.4**	

VIRGINIA STD SURVEILLANCE REPORT

Table 4ES-a. Early syphilis diagnoses by health district, alphabetical

	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	*% Change	Trend
	No.	No.	No.	No.	No.	Rate	Rate	Rate	Rate	Rate		
Alexandria	15	28	37	42	52	9.8	18.0	23.1	26.2	32.6	69.4%	
Alleghany	13	9	4	12	9	7.2	5.0	2.2	6.7	5.0	-4.9%	
Arlington	23	54	64	63	80	10.0	23.5	27.2	26.5	33.8	54.8%	
Central Shenandoah	10	16	3	11	15	3.4	5.4	1.0	3.7	5.0	48.2%	
Central Virginia	25	15	10	7	9	9.6	5.8	3.8	2.7	3.4	-37.5%	
Chesapeake	21	34	37	32	34	8.9	14.3	15.4	13.2	13.9	7.3%	
Chesterfield	16	48	44	52	53	4.2	12.5	11.3	13.1	13.3	29.1%	
Chickahominy	6	11	9	14	13	3.9	7.1	5.7	8.8	8.0	26.3%	
Crater	46	54	65	74	45	29.4	34.7	41.9	47.7	29.0	-24.4%	
Cumberland Plateau	0	0	0	2	2	0.0	0.0	0.0	1.9	2.0	303.3%	
Eastern Shore	1	1	1	2	2	2.2	2.2	2.3	4.5	4.5	62.0%	
Fairfax	39	47	90	98	127	3.3	4.0	7.6	8.2	10.7	85.3%	
Hampton	18	37	49	53	38	13.2	27.3	36.4	39.5	28.3	-2.9%	
Henrico Co.	35	41	50	74	88	10.8	12.6	15.2	22.5	26.6	74.3%	
Lenowisco	1	2	0	2	2	1.1	2.2	0.0	2.3	2.3	64.1%	
Lord Fairfax	2	7	4	8	8	0.9	3.0	1.7	3.4	3.3	49.4%	
Loudoun Co.	10	12	21	30	26	2.7	3.1	5.3	7.4	6.3	36.5%	
Mount Rogers	4	2	5	6	6	2.1	1.1	2.6	3.2	3.2	42.7%	
New River	4	5	11	9	7	2.2	2.7	6.0	4.9	3.8	-3.5%	
Norfolk	31	75	106	100	116	12.6	30.6	43.3	41.0	47.8	50.0%	
Peninsula	27	69	76	79	73	7.7	19.6	21.7	22.6	20.8	16.0%	
Piedmont	4	12	10	11	14	3.9	11.7	9.8	10.8	13.7	51.6%	
Pittsylvania/Danville	9	12	8	31	40	8.6	11.6	7.8	30.5	39.8	172.3%	
Portsmouth	24	33	33	37	38	24.9	34.6	34.9	39.1	40.3	20.5%	
Prince William	38	43	36	38	59	7.5	8.4	6.9	7.2	11.2	48.9%	
Rappahannock	18	21	22	33	24	5.1	5.8	6.0	8.9	6.4	-1.0%	
Rapp./Rapidan	2	4	2	4	5	1.1	2.3	1.1	2.2	2.8	62.4%	
Richmond City	97	104	99	155	157	44.0	46.6	43.6	67.7	68.1	34.9%	
Roanoke City	15	16	13	22	18	15.0	16.1	13.0	22.0	18.2	9.9%	
Southside	7	3	3	1	6	8.4	3.7	3.7	1.2	7.4	74.8%	
Thomas Jefferson	7	12	14	7	18	2.8	4.8	5.5	2.7	7.0	76.4%	
Three Rivers	7	5	6	4	8	5.0	3.5	4.2	2.8	5.6	45.0%	
Virginia Beach	41	88	97	103	97	9.1	19.4	21.5	22.9	21.6	18.3%	
West Piedmont	5	6	7	5	8	3.6	4.3	5.1	3.6	5.8	41.1%	
Western Tidewater	13	28	30	24	24	8.6	18.4	19.6	15.6	15.5	-0.4%	
Virginia Total	**892**	**1,061**	**1,145**	**1,340**	**1,285**	**10.6**	**12.6**	**13.5**	**15.7**	**15.1**	**14.7%**	

*Percent change compares the 2019 rate to the 2015 - 2018 average annual rate.

VIRGINIA STD SURVEILLANCE REPORT

Table 4ES-b. Early syphilis diagnoses by health district, by descending rate (2019)

	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	% Change	Trend
	No.	No.	No.	No.	No.	Rate	Rate	Rate	Rate	Rate		
Richmond City	97	104	99	155	157	44.0	46.6	43.6	67.7	68.1	34.9%	
Norfolk	31	75	106	100	116	12.6	30.6	43.3	41.0	47.8	50.0%	
Portsmouth	24	33	33	37	38	24.9	34.6	34.9	39.1	40.3	20.5%	
Pittsylvania/Danville	9	12	8	31	40	8.6	11.6	7.8	30.5	39.8	172.3%	
Arlington	23	54	64	63	80	10.0	23.5	27.2	26.5	33.8	54.8%	
Alexandria	15	28	37	42	52	9.8	18.0	23.1	26.2	32.6	69.4%	
Crater	46	54	65	74	45	29.4	34.7	41.9	47.7	29.0	-24.4%	
Hampton	18	37	49	53	38	13.2	27.3	36.4	39.5	28.3	-2.9%	
Henrico Co.	35	41	50	74	88	10.8	12.6	15.2	22.5	26.6	74.3%	
Virginia Beach	41	88	97	103	97	9.1	19.4	21.5	22.9	21.6	18.3%	
Peninsula	27	69	76	79	73	7.7	19.6	21.7	22.6	20.8	16.0%	
Roanoke City	15	16	13	22	18	15.0	16.1	13.0	22.0	18.2	9.9%	
Western Tidewater	13	28	30	24	24	8.6	18.4	19.6	15.6	15.5	-0.4%	
Virginia Total	**892**	**1,061**	**1,145**	**1,340**	**1,285**	**10.6**	**12.6**	**13.5**	**15.7**	**15.1**	**14.7%**	
Chesapeake	21	34	37	32	34	8.9	14.3	15.4	13.2	13.9	7.3%	
Piedmont	4	12	10	11	14	3.9	11.7	9.8	10.8	13.7	51.6%	
Chesterfield	16	48	44	52	53	4.2	12.5	11.3	13.1	13.3	29.1%	
Prince William	38	43	36	38	59	7.5	8.4	6.9	7.2	11.2	48.9%	
Fairfax	39	47	90	98	127	3.3	4.0	7.6	8.2	10.7	85.3%	
Chickahominy	6	11	9	14	13	3.9	7.1	5.7	8.8	8.0	26.3%	
Southside	7	3	3	1	6	8.4	3.7	3.7	1.2	7.4	74.8%	
Thomas Jefferson	7	12	14	7	18	2.8	4.8	5.5	2.7	7.0	76.4%	
Rappahannock	18	21	22	33	24	5.1	5.8	6.0	8.9	6.4	-1.0%	
Loudoun Co.	10	12	21	30	26	2.7	3.1	5.3	7.4	6.3	36.5%	
West Piedmont	5	6	7	5	8	3.6	4.3	5.1	3.6	5.8	41.1%	
Three Rivers	7	5	6	4	8	5.0	3.5	4.2	2.8	5.6	45.0%	
Alleghany	13	9	4	12	9	7.2	5.0	2.2	6.7	5.0	-4.9%	
Central Shenandoah	10	16	3	11	15	3.4	5.4	1.0	3.7	5.0	48.2%	
Eastern Shore	1	1	1	2	2	2.2	2.2	2.3	4.5	4.5	62.0%	
New River	4	5	11	9	7	2.2	2.7	6.0	4.9	3.8	-3.5%	
Central Virginia	25	15	10	7	9	9.6	5.8	3.8	2.7	3.4	-37.5%	
Lord Fairfax	2	7	4	8	8	0.9	3.0	1.7	3.4	3.3	49.4%	
Mount Rogers	4	2	5	6	6	2.1	1.1	2.6	3.2	3.2	42.7%	
Rapp./Rapidan	2	4	2	4	5	1.1	2.3	1.1	2.2	2.8	62.4%	
Lenowisco	1	2	0	2	2	1.1	2.2	0.0	2.3	2.3	64.1%	
Cumberland Plateau	0	0	0	2	2	0.0	0.0	0.0	1.9	2.0	303.3%	

*Percent change compares the 2019 rate to the 2015 - 2018 average annual rate.

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

	2019			
	No.	Pct. of total	No. with HIV coinfection	Pct. with HIV coinfection
Total	**1,285**	**100%**	**521**	**40.5%**
Gender of case and gender of reported lifetime sex partners				
Men who have sex with men*	709	55.2%	356	50.2%
Men who have sex with men and women	147	11.4%	95	64.6%
Men who have sex with women only	173	13.5%	30	17.3%
Men, gender of partners unknown	85	6.6%	17	20.0%
Women, all	138	10.7%	6	4.3%
Transgender/ other, all	33	2.6%	17	51.5%
Lifetime reported risk				
Incarcerated	128	10.0%	71	55.5%
Transactional sex	16	1.2%	13	81.3%
Injection drug use	37	2.9%	26	70.3%
Heroin/opioid use	26	2.0%	13	50.0%
Cocaine use	74	5.8%	38	51.4%
Meth use	46	3.6%	30	65.2%

**In this report, counted as men who report sex with men and do not report sex with women*

Figure 4ES. Early syphilis, by gender of patient and sex partners and HIV infection status (2019)

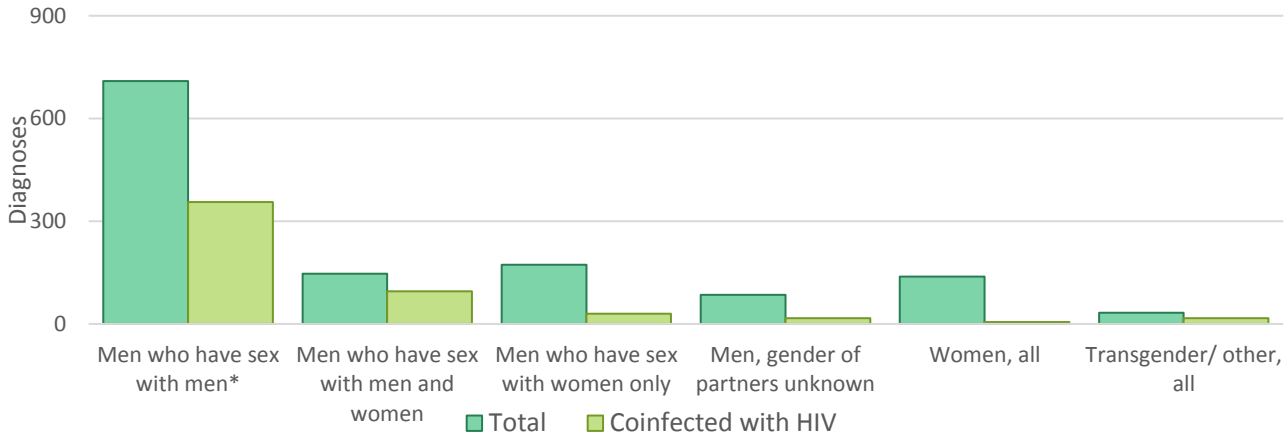
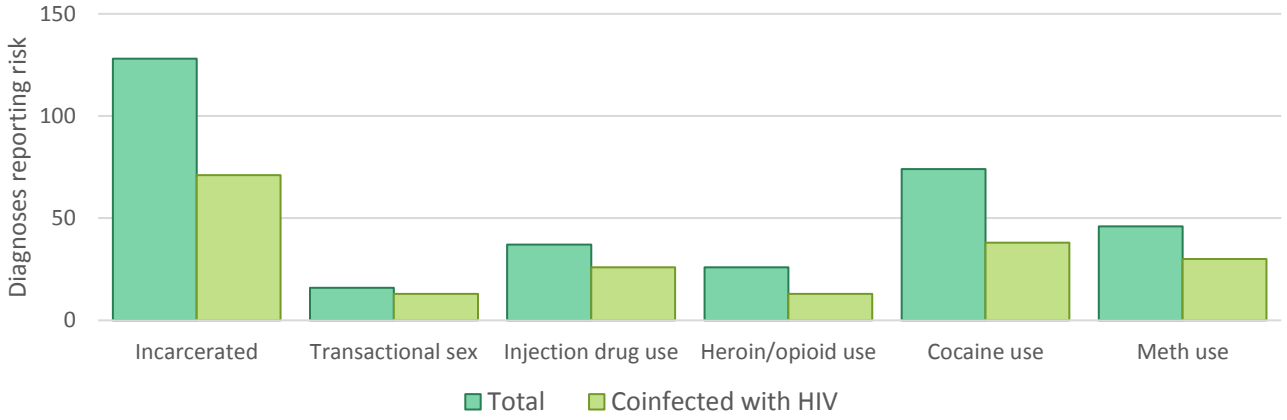


Figure 5ES. Early syphilis diagnoses with reported lifetime risk and HIV infection status (2019)

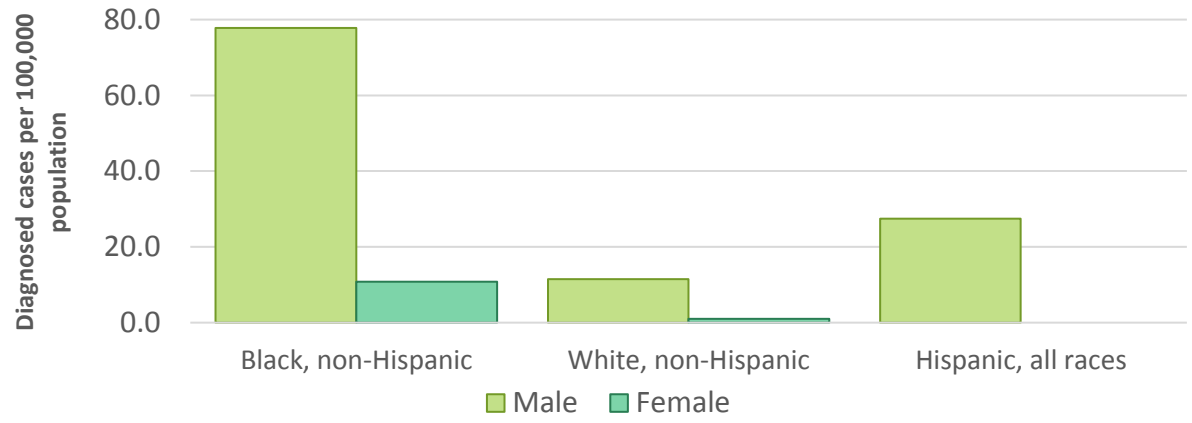


VIRGINIA STD SURVEILLANCE REPORT

Table 6ES. Early Syphilis Diagnoses by Additional Demographics, 2019

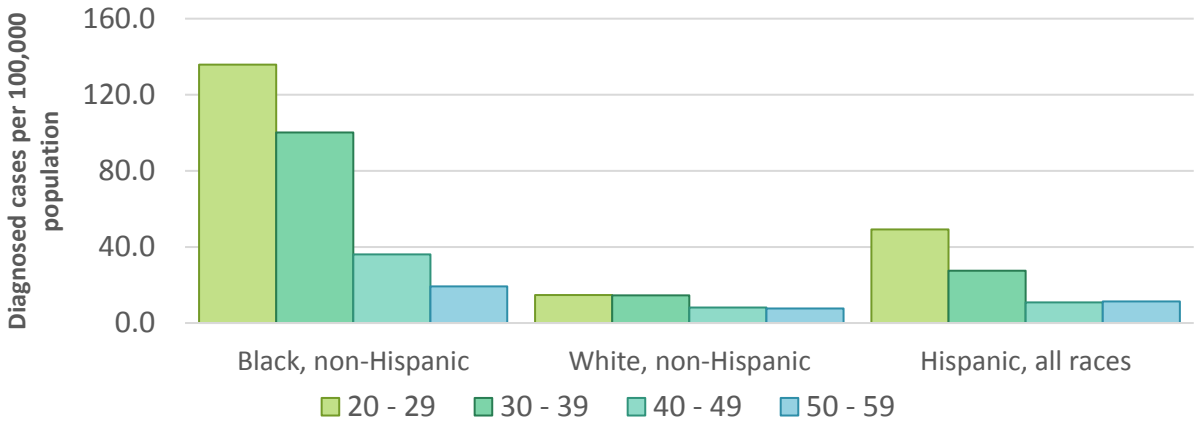
	Black, non-Hispanic		White, non-Hispanic		Hispanic, all races		Multi-race or other	Unknown
	No.	Rate	No.	Rate	No.	Rate	No.	No.
Total	**761**	44.6	**329**	6.2	**134**	16.1	**55**	**6**
Gender								
Male	638	77.8	302	11.4	118	27.5	52	4
Female	96	10.8	27	1.0	**	--	**	2
Transgender/ Other	27	--	0	--	**	--	**	0

Figure 6ES. Early syphilis diagnoses by race/ethnicity and gender, 2019



	Black, non-Hispanic		White, non-Hispanic		Hispanic, all races		Multi-race or other	Unknown
	No.	Rate	No.	Rate	No.	Rate	No.	No.
Total	**761**	44.6	**329**	6.2	**134**	16.1	**55**	**6**
Age at diagnosis								
< 10	0	0.0	0	0.0	0	0.0	0	0
10 - 19	**	**	**	**	**	**	**	1
20 - 29	359	135.9	101	14.7	65	49.2	20	1
30 - 39	237	100.1	99	14.5	38	27.5	19	2
40 - 49	74	36.0	53	8.2	13	10.8	11	1
50 - 59	43	19.2	57	7.6	9	11.3	**	1
60 +	**	**	**	**	**	**	**	0

Figure 7ES. Early syphilis diagnoses by race/ethnicity and age, 2019

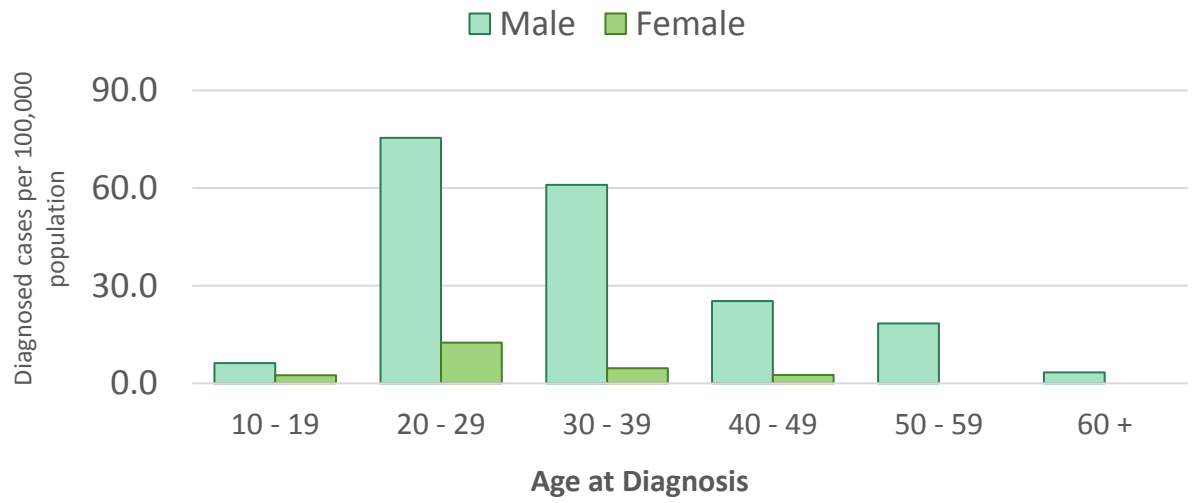


VIRGINIA STD SURVEILLANCE REPORT

Table 6ES. Early Syphilis Diagnoses by Additional Demographics, 2019

	Male		Female		Transgender/ Other	
	No.	Rate	No.	Rate	No.	Rate
Total	**1114**	26.5	**138**	3.2	**33**	--
Age at diagnosis						
< 10	0	0.0	0	0.0	0	--
10 - 19	34	6.3	13	2.5	**	--
20 - 29	456	75.5	71	12.5	**	--
30 - 39	358	61.0	27	4.6	**	--
40 - 49	135	25.3	14	2.6	**	--
50 - 59	102	18.4	**	**	0	--
60 +	29	3.4	**	**	0	--

Figure 8ES. Early syphilis diagnoses by gender and age at diagnosis, 2019



*** Data suppressed to preserve confidentiality.*