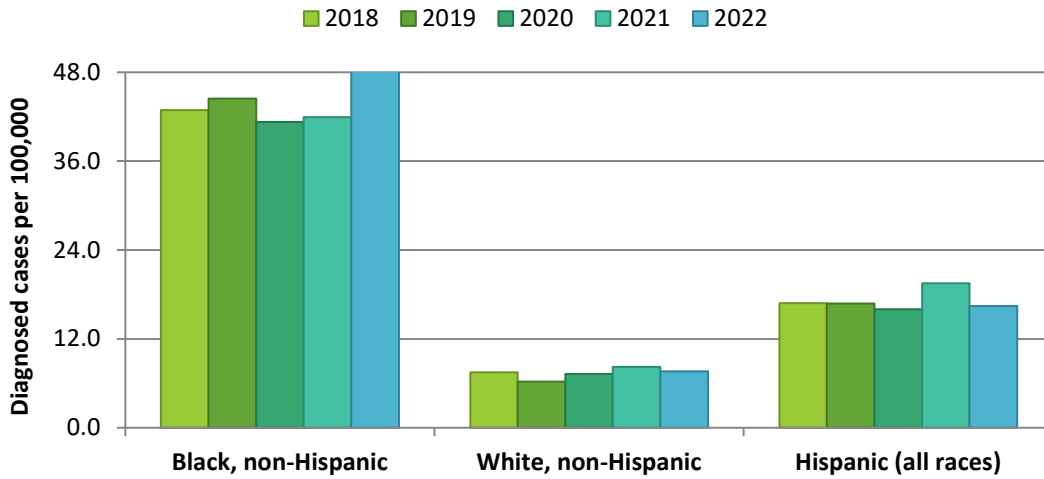


# VIRGINIA STD SURVEILLANCE REPORT

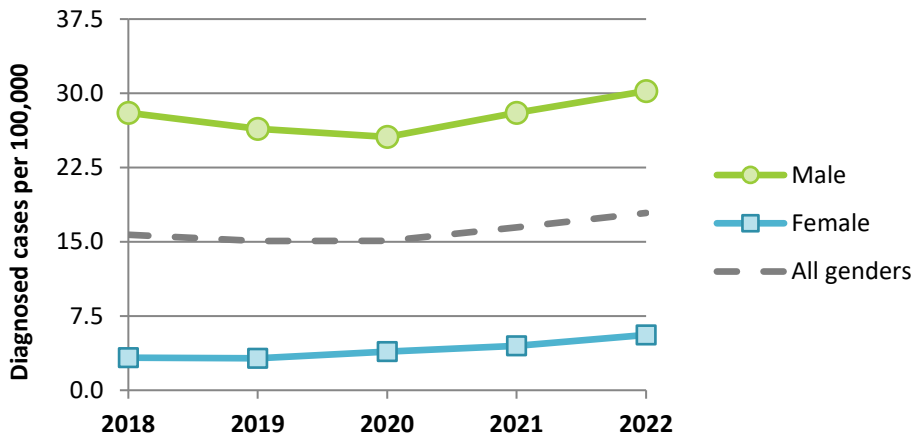
## Table 1ES. New Early Syphilis Diagnoses

|   | 2018         | 2019         | 2020         | 2021         | 2022         | 2018        | 2019        | 2020        | 2021        | 2022        | Trend |
|---|--------------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------|
|   | No.          | No.          | No.          | No.          | No.          | Rate        | Rate        | Rate        | Rate        | Rate        |       |
| <b>Total</b>                                  | <b>1,337</b> | <b>1,287</b> | <b>1,296</b> | <b>1,413</b> | <b>1,548</b> | <b>15.7</b> | <b>15.1</b> | <b>15.1</b> | <b>16.4</b> | <b>17.9</b> |       |
| <b>Gender</b>                                 |              |              |              |              |              |             |             |             |             |             |       |
| Male  | 1,175        | 1,110        | 1,082        | 1,185        | 1,293        | 28.0        | 26.4        | 25.6        | 28.0        | 30.2        |       |
| Female  | 142          | 140          | 170          | 196          | 244          | 3.3         | 3.2         | 3.9         | 4.5         | 5.6         |       |
| Transgender/other                             | 20           | 37           | 44           | 32           | 11           | --          | --          | --          | --          | --          |       |
| <b>Age at diagnosis</b>                       |              |              |              |              |              |             |             |             |             |             |       |
| < 10  | 0            | 0            | 0            | 0            | 0            | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |       |
| 10 - 14                                       | 1            | 1            | 0            | 0            | 0            | 0.2         | 0.2         | 0.0         | 0.0         | 0.0         |       |
| 15 - 19                                       | 46           | 47           | 44           | 51           | 57           | 8.5         | 8.7         | 8.1         | 9.4         | 10.2        |       |
| 20 - 24                                       | 256          | 251          | 218          | 236          | 215          | 44.2        | 43.9        | 37.9        | 41.1        | 37.6        |       |
| 25 - 29                                       | 315          | 297          | 301          | 277          | 316          | 52.1        | 49.3        | 50.1        | 46.1        | 54.3        |       |
| 30 - 34                                       | 239          | 242          | 257          | 279          | 329          | 40.8        | 41.1        | 43.2        | 46.9        | 55.1        |       |
| 35 - 39                                       | 143          | 155          | 161          | 178          | 183          | 24.7        | 26.6        | 27.6        | 30.5        | 30.7        |       |
| 40 - 44                                       | 74           | 80           | 93           | 140          | 138          | 14.1        | 15.1        | 17.1        | 25.8        | 24.5        |       |
| 45 - 49                                       | 77           | 70           | 73           | 83           | 98           | 13.8        | 12.8        | 13.6        | 15.5        | 18.6        |       |
| 50 - 54                                       | 89           | 69           | 49           | 69           | 75           | 15.7        | 12.5        | 8.9         | 12.6        | 13.4        |       |
| 55 - 59                                       | 59           | 43           | 64           | 66           | 70           | 10.1        | 7.4         | 11.0        | 11.4        | 12.1        |       |
| 60 - 64                                       | 23           | 23           | 28           | 20           | 41           | 4.4         | 4.3         | 5.2         | 3.7         | 7.5         |       |
| > 64  | 15           | 9            | 8            | 14           | 26           | 1.1         | 0.7         | 0.6         | 1.0         | 1.8         |       |
| <b>Race/ethnicity</b>                         |              |              |              |              |              |             |             |             |             |             |       |
| Black, non-Hispanic                           | 729          | 759          | 711          | 722          | 831          | 42.9        | 44.5        | 41.3        | 41.9        | 50.1        |       |
| White, non-Hispanic                           | 401          | 332          | 388          | 439          | 398          | 7.5         | 6.2         | 7.3         | 8.2         | 7.6         |       |
| Hispanic (all races)                          | 138          | 140          | 137          | 167          | 145          | 16.8        | 16.8        | 16.0        | 19.5        | 16.4        |       |
| Other/multi-race                              | 65           | 53           | 55           | 70           | 142          | --          | --          | --          | --          | --          |       |
| Unknown                                       | 4            | 3            | 5            | 15           | 32           | --          | --          | --          | --          | --          |       |
| <b>Health Region</b>                          |              |              |              |              |              |             |             |             |             |             |       |
| Central                                       | 380          | 375          | 367          | 298          | 388          | 26.2        | 25.7        | 24.9        | 20.3        | 26.0        |       |
| Eastern                                       | 436          | 408          | 427          | 514          | 504          | 23.5        | 22.0        | 22.9        | 27.5        | 26.6        |       |
| Northern                                      | 349          | 360          | 335          | 349          | 377          | 13.8        | 14.3        | 13.2        | 13.7        | 14.9        |       |
| Northwest                                     | 69           | 92           | 102          | 142          | 150          | 5.1         | 6.8         | 7.5         | 10.4        | 10.8        |       |
| Southwest                                     | 103          | 52           | 65           | 110          | 129          | 7.7         | 3.9         | 4.9         | 8.2         | 9.7         |       |
| <b>All syphilis diagnoses, by stage</b>       |              |              |              |              |              |             |             |             |             |             |       |
| Primary                                       | 226          | 231          | 264          | 308          | 350          | 2.7         | 2.7         | 3.1         | 3.6         | 4.0         |       |
| Secondary                                     | 473          | 408          | 421          | 456          | 481          | 5.6         | 4.8         | 4.9         | 5.3         | 5.6         |       |
| Early, non-P/S                                | 638          | 648          | 611          | 649          | 717          | 7.5         | 7.6         | 7.1         | 7.6         | 8.3         |       |
| Late or unk. duration                         | 635          | 691          | 584          | 841          | 1073         | 7.5         | 8.1         | 6.8         | 9.8         | 12.4        |       |
| <b>Other clinical syphilis manifestations</b> |              |              |              |              |              |             |             |             |             |             |       |
| Neurosyphilis                                 | 26           | 39           | 32           | 39           | 50           | --          | --          | --          | --          | --          |       |
| Ocular Syphilis                               | 20           | 21           | 22           | 48           | 56           | --          | --          | --          | --          | --          |       |
| Otosyphilis                                   | 2            | 3            | 5            | 7            | 10           | --          | --          | --          | --          | --          |       |

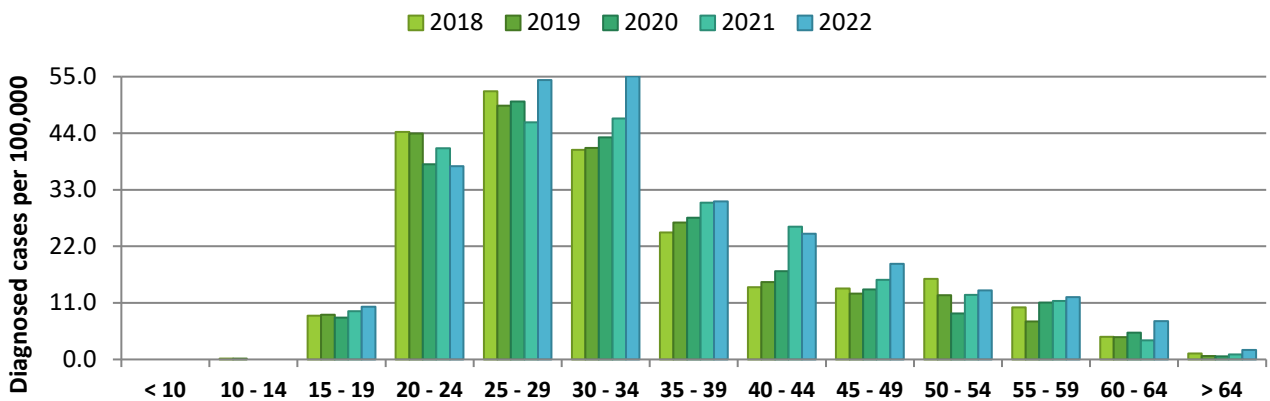
**Figure 1ES. Rate of early syphilis diagnoses by race/ethnicity, 2018 - 2022**



**Figure 2ES. Rate of early syphilis diagnoses by gender, 2018 - 2022**








**Figure 3ES. Rate of early syphilis diagnoses by age in years, 2018 - 2022**



VIRGINIA STD SURVEILLANCE REPORT

Table 2ES. Early Syphilis Diagnoses by Region, 2022

|                       | Central   | Eastern   | Northern  | Northwest   | Southwest   |
|-----------------------|---|---|---|---|---|
|                       | No.   | No.   | No.   | No.   | No.   |
| <b>Total</b>          | <b>388</b>  | <b>504</b>  | <b>377</b>  | <b>150</b>  | <b>129</b>  |
| <b>Gender</b>         |   |   |   |   |   |
| Male                  | 330   | 394   | 344   | 123   | 102   |
| Female                | 55  | 107   | 29  | 26  | 27  |
| Transgender           | 3   | 3   | 4   | 1   | 0   |
| <i>% Female</i>       |  |  |  |  |  |
| <i>% Male</i>         |   |   |   |   |   |
| <b>Age in years</b>   |   |   |   |   |   |
| < 10                  | 0   | 0   | 0   | 0   | 0   |
| 10 - 14               | 0   | 0   | 0   | 0   | 0   |
| 15 - 19               | 12  | 24  | 9   | 6   | 6   |
| 20 - 24               | 46  | 75  | 48  | 27  | 19  |
| 25 - 29               | 88  | 105   | 62  | 28  | 33  |
| 30 - 34               | 89  | 101   | 87  | 34  | 18  |
| 35 - 39               | 44  | 60  | 47  | 17  | 15  |
| 40 - 44               | 30  | 53  | 40  | 10  | 5   |
| 45 - 49               | 25  | 25  | 29  | 12  | 7   |
| 50 - 54               | 17  | 21  | 24  | 5   | 8   |
| 55 - 59               | 20  | 22  | 15  | 5   | 8   |
| 60 - 64               | 10  | 12  | 9   | 3   | 7   |
| > 64                  | 7   | 6   | 7   | 3   | 3   |
| <b>Race/ethnicity</b> |   |   |   |   |   |
| Black, non-Hispanic   | 290   | 328   | 113   | 44  | 56  |
| White, non-Hispanic   | 57  | 104   | 109   | 70  | 58  |
| Hispanic (all races)  | 17  | 19  | 89  | 17  | 3   |
| Other/ Multi-race     | 21  | 43  | 57  | 14  | 7   |
| Unknown               | 3   | 10  | 9   | 5   | 5   |

**VIRGINIA STD SURVEILLANCE REPORT**

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

|                                      | 2018       | 2019       | 2020       | 2021       | 2022       | 2018        | 2019        | 2020        | 2021        | 2022        | Trend |
|--------------------------------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------|
|                                      | No.        | No.        | No.        | No.        | No.        | Rate        | Rate        | Rate        | Rate        | Rate        |       |
| <b>Region Total</b>                  | <b>380</b> | <b>375</b> | <b>367</b> | <b>298</b> | <b>388</b> | <b>26.4</b> | <b>25.8</b> | <b>25.1</b> | <b>20.3</b> | <b>26.0</b> |       |
| <b>Chesterfield Health District</b>  |            |            |            |            |            |             |             |             |             |             |       |
| Chesterfield Co.                     | 48         | 49         | 50         | 37         | 51         | 14.0        | 14.1        | 14.2        | 10.3        | 13.8        |       |
| Colonial Heights                     | 3          | 2          | 1          | 3          | 4          | 16.8        | 11.2        | 5.8         | 17.4        | 21.9        |       |
| Powhatan Co.                         | 1          | 2          | 1          | 2          | 0          | 3.5         | 6.9         | 3.4         | 6.6         | 0.0         |       |
| <b>District Total</b>                | <b>52</b>  | <b>53</b>  | <b>52</b>  | <b>42</b>  | <b>55</b>  | <b>13.3</b> | <b>13.4</b> | <b>13.0</b> | <b>10.4</b> | <b>13.1</b> |       |
| <b>Chickahominy Health District</b>  |            |            |            |            |            |             |             |             |             |             |       |
| Charles City Co.                     | 1          | 3          | 0          | 1          | 1          | 14.3        | 43.2        | 0.0         | 14.7        | 15.2        |       |
| Goochland Co.                        | 1          | 0          | 3          | 2          | 3          | 4.4         | 0.0         | 12.6        | 8.2         | 11.8        |       |
| Hanover Co.                          | 8          | 6          | 7          | 4          | 5          | 7.6         | 5.6         | 6.5         | 3.7         | 4.5         |       |
| New Kent Co.                         | 4          | 4          | 0          | 1          | 3          | 18.4        | 17.9        | 0.0         | 4.2         | 12.6        |       |
| <b>District Total</b>                | <b>14</b>  | <b>13</b>  | <b>10</b>  | <b>8</b>   | <b>12</b>  | <b>8.9</b>  | <b>8.1</b>  | <b>6.2</b>  | <b>4.9</b>  | <b>7.2</b>  |       |
| <b>Crater Health District</b>        |            |            |            |            |            |             |             |             |             |             |       |
| Dinwiddie Co.                        | 8          | 4          | 5          | 2          | 5          | 28.4        | 14.0        | 17.5        | 7.0         | 17.9        |       |
| Emporia                              | 0          | 3          | 1          | 5          | 1          | 0.0         | 58.6        | 18.7        | 95.1        | 17.6        |       |
| Greensville Co.                      | 1          | 1          | 1          | 0          | 0          | 8.6         | 8.6         | 8.8         | 0.0         | 0.0         |       |
| Hopewell                             | 10         | 11         | 6          | 4          | 12         | 44.2        | 48.7        | 26.6        | 17.9        | 51.9        |       |
| Petersburg                           | 42         | 18         | 31         | 17         | 33         | 132.3       | 57.0        | 98.9        | 55.8        | 98.7        |       |
| Prince George Co.                    | 12         | 8          | 7          | 3          | 9          | 31.7        | 21.0        | 18.3        | 7.8         | 41.0        |       |
| Surry Co.                            | 0          | 0          | 2          | 0          | 0          | 0.0         | 0.0         | 31.1        | 0.0         | 0.0         |       |
| Sussex Co.                           | 1          | 0          | 2          | 0          | 1          | 8.8         | 0.0         | 17.9        | 0.0         | 9.3         |       |
| <b>District Total</b>                | <b>74</b>  | <b>45</b>  | <b>55</b>  | <b>31</b>  | <b>61</b>  | <b>47.7</b> | <b>29.0</b> | <b>35.5</b> | <b>20.1</b> | <b>43.3</b> |       |
| <b>Henrico Health District</b>       |            |            |            |            |            |             |             |             |             |             |       |
| Henrico Co.                          | 74         | 88         | 97         | 69         | 93         | 22.6        | 26.7        | 29.3        | 20.7        | 27.9        |       |
| <b>District Total</b>                | <b>74</b>  | <b>88</b>  | <b>97</b>  | <b>69</b>  | <b>93</b>  | <b>22.6</b> | <b>26.7</b> | <b>29.3</b> | <b>20.7</b> | <b>27.9</b> |       |
| <b>Piedmont Health District</b>      |            |            |            |            |            |             |             |             |             |             |       |
| Amelia Co.                           | 1          | 0          | 3          | 0          | 1          | 7.7         | 0.0         | 22.8        | 0.0         | 7.5         |       |
| Buckingham Co.                       | 1          | 0          | 0          | 0          | 2          | 5.9         | 0.0         | 0.0         | 0.0         | 11.8        |       |
| Charlotte Co.                        | 1          | 0          | 0          | 1          | 0          | 8.3         | 0.0         | 0.0         | 8.5         | 0.0         |       |
| Cumberland Co.                       | 0          | 1          | 0          | 2          | 1          | 0.0         | 10.2        | 0.0         | 20.1        | 10.3        |       |
| Lunenburg Co.                        | 0          | 0          | 2          | 1          | 0          | 0.0         | 0.0         | 16.4        | 8.2         | 0.0         |       |
| Nottoway Co.                         | 3          | 6          | 1          | 2          | 2          | 19.4        | 38.9        | 6.6         | 13.2        | 12.8        |       |
| Prince Edward Co.                    | 5          | 7          | 4          | 6          | 3          | 22.0        | 30.5        | 17.5        | 26.1        | 13.7        |       |
| <b>District Total</b>                | <b>11</b>  | <b>14</b>  | <b>10</b>  | <b>12</b>  | <b>9</b>   | <b>10.7</b> | <b>13.7</b> | <b>9.8</b>  | <b>11.7</b> | <b>8.9</b>  |       |
| <b>Richmond City Health District</b> |            |            |            |            |            |             |             |             |             |             |       |
| Richmond City                        | 154        | 156        | 138        | 115        | 151        | 67.8        | 68.2        | 59.9        | 49.5        | 66.6        |       |
| <b>District Total</b>                | <b>154</b> | <b>156</b> | <b>138</b> | <b>115</b> | <b>151</b> | <b>67.8</b> | <b>68.2</b> | <b>59.9</b> | <b>49.5</b> | <b>66.6</b> |       |
| <b>Southside Health District</b>     |            |            |            |            |            |             |             |             |             |             |       |
| Brunswick Co.                        | 1          | 2          | 1          | 2          | 1          | 6.2         | 12.2        | 6.2         | 12.5        | 6.3         |       |
| Halifax Co.                          | 0          | 3          | 1          | 10         | 4          | 0.0         | 8.8         | 2.9         | 29.7        | 11.9        |       |
| Mecklenburg Co.                      | 0          | 1          | 3          | 9          | 2          | 0.0         | 3.3         | 9.8         | 29.3        | 6.6         |       |
| <b>District Total</b>                | <b>1</b>   | <b>6</b>   | <b>5</b>   | <b>21</b>  | <b>7</b>   | <b>1.2</b>  | <b>7.4</b>  | <b>6.2</b>  | <b>26.1</b> | <b>8.8</b>  |       |

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

|  | 2018       | 2019       | 2020       | 2021       | 2022       | 2018        | 2019        | 2020        | 2021        | 2022        | Trend |
|--|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------|
|  | No.        | No.        | No.        | No.        | No.        | Rate        | Rate        | Rate        | Rate        | Rate        |       |
| <b>Region Total</b>                      | <b>436</b> | <b>408</b> | <b>427</b> | <b>514</b> | <b>504</b> | <b>23.5</b> | <b>22.0</b> | <b>23.0</b> | <b>27.5</b> | <b>26.6</b> |       |
| <b>Chesapeake Health District</b>        |            |            |            |            |            |             |             |             |             |             |       |
| Chesapeake                               | 34         | 33         | 41         | 44         | 50         | 14.1        | 13.6        | 16.7        | 17.8        | 19.9        |       |
| <b>District Total</b>                    | <b>34</b>  | <b>33</b>  | <b>41</b>  | <b>44</b>  | <b>50</b>  | <b>14.1</b> | <b>13.6</b> | <b>16.7</b> | <b>17.8</b> | <b>19.9</b> |       |
| <b>Eastern Shore Health District</b>     |            |            |            |            |            |             |             |             |             |             |       |
| Accomack Co.                             | 3          | 0          | 2          | 2          | 0          | 9.2         | 0.0         | 6.2         | 6.2         | 0.0         |       |
| Northampton Co.                          | 0          | 0          | 3          | 0          | 0          | 0.0         | 0.0         | 25.6        | 0.0         | 0.0         |       |
| <b>District Total</b>                    | <b>3</b>   | <b>0</b>   | <b>5</b>   | <b>2</b>   | <b>0</b>   | <b>6.8</b>  | <b>0.0</b>  | <b>11.4</b> | <b>4.6</b>  | <b>0.0</b>  |       |
| <b>Hampton Health District</b>           |            |            |            |            |            |             |             |             |             |             |       |
| Hampton                                  | 39         | 49         | 56         | 48         | 41         | 29.0        | 36.5        | 41.6        | 35.4        | 29.8        |       |
| <b>District Total</b>                    | <b>39</b>  | <b>49</b>  | <b>56</b>  | <b>48</b>  | <b>41</b>  | <b>29.0</b> | <b>36.5</b> | <b>41.6</b> | <b>35.4</b> | <b>29.8</b> |       |
| <b>Norfolk Health District</b>           |            |            |            |            |            |             |             |             |             |             |       |
| Norfolk                                  | 118        | 92         | 100        | 116        | 145        | 48.2        | 37.7        | 41.2        | 47.8        | 61.7        |       |
| <b>District Total</b>                    | <b>118</b> | <b>92</b>  | <b>100</b> | <b>116</b> | <b>145</b> | <b>48.2</b> | <b>37.7</b> | <b>41.2</b> | <b>47.8</b> | <b>61.7</b> |       |
| <b>Peninsula Health District</b>         |            |            |            |            |            |             |             |             |             |             |       |
| James City Co.                           | 5          | 2          | 3          | 8          | 7          | 6.6         | 2.6         | 3.9         | 10.3        | 8.8         |       |
| Newport News                             | 56         | 75         | 59         | 66         | 58         | 31.2        | 42.0        | 32.9        | 36.9        | 31.4        |       |
| Poquoson                                 | 0          | 0          | 1          | 1          | 0          | 0.0         | 0.0         | 8.1         | 8.2         | 0.0         |       |
| Williamsburg                             | 5          | 2          | 2          | 3          | 2          | 33.3        | 13.4        | 13.4        | 19.7        | 12.8        |       |
| York Co.                                 | 6          | 6          | 4          | 8          | 3          | 8.9         | 8.8         | 5.9         | 11.6        | 4.2         |       |
| <b>District Total</b>                    | <b>72</b>  | <b>85</b>  | <b>69</b>  | <b>86</b>  | <b>70</b>  | <b>20.6</b> | <b>24.3</b> | <b>19.6</b> | <b>24.3</b> | <b>19.3</b> |       |
| <b>Portsmouth Health District</b>        |            |            |            |            |            |             |             |             |             |             |       |
| Portsmouth                               | 39         | 48         | 51         | 85         | 71         | 41.2        | 50.7        | 54.0        | 89.4        | 72.6        |       |
| <b>District Total</b>                    | <b>39</b>  | <b>48</b>  | <b>51</b>  | <b>85</b>  | <b>71</b>  | <b>41.2</b> | <b>50.7</b> | <b>54.0</b> | <b>89.4</b> | <b>72.6</b> |       |
| <b>Three Rivers Health District</b>      |            |            |            |            |            |             |             |             |             |             |       |
| Essex Co.                                | 2          | 0          | 1          | 0          | 0          | 18.1        | 0.0         | 9.1         | 0.0         | 0.0         |       |
| Gloucester Co.                           | 1          | 4          | 1          | 1          | 4          | 2.7         | 10.7        | 2.7         | 2.7         | 10.2        |       |
| King and Queen Co.                       | 1          | 0          | 0          | 0          | 1          | 14.3        | 0.0         | 0.0         | 0.0         | 15.0        |       |
| King William Co.                         | 1          | 1          | 2          | 0          | 2          | 6.0         | 5.9         | 11.7        | 0.0         | 11.0        |       |
| Lancaster Co.                            | 0          | 0          | 2          | 1          | 0          | 0.0         | 0.0         | 18.9        | 9.4         | 0.0         |       |
| Mathews Co.                              | 0          | 2          | 0          | 0          | 1          | 0.0         | 22.7        | 0.0         | 0.0         | 11.7        |       |
| Middlesex Co.                            | 0          | 0          | 1          | 2          | 1          | 0.0         | 0.0         | 9.5         | 18.9        | 9.3         |       |
| Northumberland Co.                       | 0          | 1          | 0          | 1          | 0          | 0.0         | 8.2         | 0.0         | 8.3         | 0.0         |       |
| Richmond Co.                             | 2          | 0          | 0          | 0          | 2          | 22.4        | 0.0         | 0.0         | 0.0         | 22.2        |       |
| Westmoreland Co.                         | 1          | 1          | 2          | 3          | 2          | 5.6         | 5.6         | 11.1        | 16.5        | 10.7        |       |
| <b>District Total</b>                    | <b>8</b>   | <b>9</b>   | <b>9</b>   | <b>8</b>   | <b>13</b>  | <b>5.7</b>  | <b>6.4</b>  | <b>6.4</b>  | <b>5.6</b>  | <b>9.0</b>  |       |
| <b>Virginia Beach Health District</b>    |            |            |            |            |            |             |             |             |             |             |       |
| Virginia Beach                           | 99         | 73         | 70         | 106        | 88         | 22.0        | 16.2        | 15.6        | 23.5        | 19.2        |       |
| <b>District Total</b>                    | <b>99</b>  | <b>73</b>  | <b>70</b>  | <b>106</b> | <b>88</b>  | <b>22.0</b> | <b>16.2</b> | <b>15.6</b> | <b>23.5</b> | <b>19.2</b> |       |
| <b>Western Tidewater Health District</b> |            |            |            |            |            |             |             |             |             |             |       |
| Franklin City                            | 3          | 0          | 2          | 0          | 0          | 36.7        | 0.0         | 25.1        | 0.0         | 0.0         |       |
| Isle of Wight Co.                        | 1          | 2          | 4          | 2          | 4          | 2.7         | 5.4         | 10.8        | 5.3         | 10.2        |       |
| Southampton Co.                          | 1          | 1          | 0          | 1          | 0          | 5.6         | 5.7         | 0.0         | 5.7         | 0.0         |       |
| Suffolk                                  | 19         | 16         | 20         | 16         | 22         | 21.1        | 17.5        | 21.7        | 17.0        | 22.9        |       |
| <b>District Total</b>                    | <b>24</b>  | <b>19</b>  | <b>26</b>  | <b>19</b>  | <b>26</b>  | <b>15.7</b> | <b>12.4</b> | <b>16.8</b> | <b>12.1</b> | <b>16.1</b> |       |

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

|                                       | 2018       | 2019       | 2020       | 2021       | 2022       | 2018        | 2019        | 2020        | 2021        | 2022        | Trend |
|---------------------------------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------|
|                                       | No.        | No.        | No.        | No.        | No.        | Rate        | Rate        | Rate        | Rate        | Rate        |       |
| <b>Region Total</b>                   | <b>349</b> | <b>360</b> | <b>335</b> | <b>349</b> | <b>377</b> | <b>14.0</b> | <b>14.3</b> | <b>13.3</b> | <b>13.7</b> | <b>14.9</b> |       |
| <b>Alexandria Health District</b>     |            |            |            |            |            |             |             |             |             |             |       |
| Alexandria                            | 52         | 66         | 55         | 65         | 60         | 32.5        | 41.1        | 34.5        | 41.0        | 38.8        |       |
| <b>District Total</b>                 | <b>52</b>  | <b>66</b>  | <b>55</b>  | <b>65</b>  | <b>60</b>  | <b>32.5</b> | <b>41.1</b> | <b>34.5</b> | <b>41.0</b> | <b>38.8</b> |       |
| <b>Arlington Health District</b>      |            |            |            |            |            |             |             |             |             |             |       |
| Arlington                             | 82         | 77         | 67         | 72         | 64         | 34.9        | 32.4        | 28.3        | 30.0        | 27.5        |       |
| <b>District Total</b>                 | <b>82</b>  | <b>77</b>  | <b>67</b>  | <b>72</b>  | <b>64</b>  | <b>34.9</b> | <b>32.4</b> | <b>28.3</b> | <b>30.0</b> | <b>27.5</b> |       |
| <b>Fairfax Health District</b>        |            |            |            |            |            |             |             |             |             |             |       |
| Fairfax City                          | 7          | 1          | 2          | 5          | 4          | 29.0        | 4.1         | 8.3         | 21.3        | 16.5        |       |
| Fairfax Co.                           | 119        | 133        | 111        | 120        | 158        | 10.4        | 11.6        | 9.7         | 10.4        | 13.9        |       |
| Falls Church                          | 4          | 2          | 2          | 1          | 5          | 27.4        | 13.5        | 13.7        | 6.8         | 34.5        |       |
| <b>District Total</b>                 | <b>130</b> | <b>136</b> | <b>115</b> | <b>126</b> | <b>167</b> | <b>11.0</b> | <b>11.4</b> | <b>9.7</b>  | <b>10.6</b> | <b>14.2</b> |       |
| <b>Loudoun Health District</b>        |            |            |            |            |            |             |             |             |             |             |       |
| Loudoun Co.                           | 26         | 22         | 20         | 28         | 22         | 6.5         | 5.4         | 4.8         | 6.6         | 5.1         |       |
| <b>District Total</b>                 | <b>26</b>  | <b>22</b>  | <b>20</b>  | <b>28</b>  | <b>22</b>  | <b>6.5</b>  | <b>5.4</b>  | <b>4.8</b>  | <b>6.6</b>  | <b>5.1</b>  |       |
| <b>Prince William Health District</b> |            |            |            |            |            |             |             |             |             |             |       |
| Manassas                              | 4          | 7          | 5          | 3          | 4          | 9.6         | 16.8        | 12.2        | 7.3         | 9.4         |       |
| Manassas Park                         | 2          | 0          | 2          | 3          | 3          | 12.1        | 0.0         | 11.4        | 16.7        | 17.6        |       |
| Prince William Co.                    | 53         | 52         | 71         | 52         | 57         | 11.4        | 11.1        | 15.1        | 10.9        | 11.8        |       |
| <b>District Total</b>                 | <b>59</b>  | <b>59</b>  | <b>78</b>  | <b>58</b>  | <b>64</b>  | <b>11.3</b> | <b>11.2</b> | <b>14.7</b> | <b>10.9</b> | <b>11.8</b> |       |

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

|   | 2018      | 2019      | 2020       | 2021       | 2022       | 2018       | 2019        | 2020        | 2021        | 2022        | Trend |
|---|-----------|-----------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------|
|   | No.       | No.       | No.        | No.        | No.        | Rate       | Rate        | Rate        | Rate        | Rate        |       |
| <b>Region Total</b>                         | <b>69</b> | <b>92</b> | <b>102</b> | <b>142</b> | <b>150</b> | <b>5.2</b> | <b>6.8</b>  | <b>7.5</b>  | <b>10.4</b> | <b>10.8</b> |       |
| <b>Blue Ridge Health District</b>           |           |           |            |            |            |            |             |             |             |             |       |
| Albemarle Co.                               | 5         | 4         | 12         | 10         | 27         | 4.6        | 3.7         | 11.0        | 9.0         | 23.8        |       |
| Charlottesville                             | 6         | 4         | 12         | 18         | 4          | 12.5       | 8.3         | 25.4        | 38.3        | 8.8         |       |
| Fluvanna Co.                                | 1         | 0         | 1          | 3          | 5          | 3.8        | 0.0         | 3.7         | 10.9        | 18.0        |       |
| Greene Co.                                  | 4         | 1         | 2          | 0          | 2          | 20.4       | 5.1         | 10.1        | 0.0         | 9.5         |       |
| Louisa Co.                                  | 2         | 3         | 2          | 2          | 1          | 5.6        | 8.2         | 5.3         | 5.2         | 2.6         |       |
| Nelson Co.                                  | 0         | 2         | 1          | 1          | 1          | 0.0        | 13.5        | 6.7         | 6.8         | 6.8         |       |
| <b>District Total</b>                       | <b>18</b> | <b>14</b> | <b>30</b>  | <b>34</b>  | <b>40</b>  | <b>7.1</b> | <b>5.5</b>  | <b>11.7</b> | <b>13.2</b> | <b>15.3</b> |       |
| <b>Central Shenandoah District</b>          |           |           |            |            |            |            |             |             |             |             |       |
| Augusta Co.                                 | 2         | 2         | 3          | 5          | 11         | 2.7        | 2.7         | 4.0         | 6.5         | 14.2        |       |
| Bath Co.                                    | 0         | 0         | 0          | 0          | 1          | 0.0        | 0.0         | 0.0         | 0.0         | 24.3        |       |
| Buena Vista                                 | 0         | 0         | 0          | 0          | 1          | 0.0        | 0.0         | 0.0         | 0.0         | 15.1        |       |
| Harrisonburg                                | 4         | 4         | 5          | 12         | 5          | 7.4        | 7.4         | 9.4         | 22.6        | 9.7         |       |
| Highland Co.                                | 1         | 0         | 0          | 0          | 0          | 45.2       | 0.0         | 0.0         | 0.0         | 0.0         |       |
| Lexington                                   | 1         | 1         | 0          | 0          | 0          | 14.1       | 14.0        | 0.0         | 0.0         | 0.0         |       |
| Rockbridge Co.                              | 1         | 1         | 0          | 1          | 3          | 4.4        | 4.4         | 0.0         | 4.4         | 13.3        |       |
| Rockingham Co.                              | 1         | 0         | 1          | 6          | 4          | 1.2        | 0.0         | 1.2         | 7.3         | 4.7         |       |
| Staunton                                    | 2         | 2         | 5          | 4          | 6          | 8.2        | 8.0         | 20.1        | 15.9        | 23.4        |       |
| Waynesboro                                  | 3         | 5         | 5          | 4          | 8          | 13.4       | 22.1        | 22.1        | 17.6        | 35.5        |       |
| <b>District Total</b>                       | <b>15</b> | <b>15</b> | <b>19</b>  | <b>32</b>  | <b>39</b>  | <b>5.0</b> | <b>5.0</b>  | <b>6.3</b>  | <b>10.6</b> | <b>12.8</b> |       |
| <b>Lord Fairfax Health District</b>         |           |           |            |            |            |            |             |             |             |             |       |
| Clarke Co.                                  | 0         | 2         | 0          | 2          | 0          | 0.0        | 13.8        | 0.0         | 13.7        | 0.0         |       |
| Frederick Co.                               | 2         | 1         | 5          | 3          | 2          | 2.3        | 1.1         | 5.6         | 3.3         | 2.1         |       |
| Page Co.                                    | 0         | 1         | 0          | 1          | 3          | 0.0        | 4.2         | 0.0         | 4.2         | 12.6        |       |
| Shenandoah Co.                              | 1         | 5         | 2          | 3          | 4          | 2.3        | 11.5        | 4.6         | 6.8         | 8.9         |       |
| Warren Co.                                  | 4         | 1         | 6          | 4          | 1          | 10.1       | 2.5         | 14.9        | 9.9         | 2.4         |       |
| Winchester                                  | 1         | 1         | 1          | 3          | 3          | 3.6        | 3.6         | 3.6         | 10.8        | 10.7        |       |
| <b>District Total</b>                       | <b>8</b>  | <b>11</b> | <b>14</b>  | <b>16</b>  | <b>13</b>  | <b>3.4</b> | <b>4.6</b>  | <b>5.8</b>  | <b>6.6</b>  | <b>5.3</b>  |       |
| <b>Rappahannock Health District</b>         |           |           |            |            |            |            |             |             |             |             |       |
| Caroline Co.                                | 0         | 4         | 6          | 3          | 2          | 0.0        | 13.0        | 19.5        | 9.7         | 6.4         |       |
| Fredericksburg                              | 3         | 4         | 2          | 8          | 6          | 10.6       | 13.7        | 6.9         | 27.1        | 21.2        |       |
| King George Co.                             | 2         | 0         | 0          | 0          | 3          | 7.6        | 0.0         | 0.0         | 0.0         | 10.9        |       |
| Spotsylvania Co.                            | 9         | 12        | 5          | 16         | 18         | 6.8        | 8.9         | 3.7         | 11.6        | 12.5        |       |
| Stafford Co.                                | 9         | 21        | 19         | 17         | 19         | 6.1        | 14.0        | 12.4        | 10.8        | 11.8        |       |
| <b>District Total</b>                       | <b>23</b> | <b>41</b> | <b>32</b>  | <b>44</b>  | <b>48</b>  | <b>6.3</b> | <b>11.1</b> | <b>8.5</b>  | <b>11.5</b> | <b>12.3</b> |       |
| <b>Rappahannock/Rapidan Health District</b> |           |           |            |            |            |            |             |             |             |             |       |
| Culpeper Co.                                | 0         | 3         | 0          | 8          | 7          | 0.0        | 5.8         | 0.0         | 14.9        | 13.1        |       |
| Fauquier Co.                                | 4         | 5         | 1          | 7          | 0          | 5.8        | 7.1         | 1.4         | 9.8         | 0.0         |       |
| Madison Co.                                 | 1         | 0         | 0          | 0          | 1          | 7.5        | 0.0         | 0.0         | 0.0         | 7.2         |       |
| Orange Co.                                  | 0         | 3         | 6          | 1          | 1          | 0.0        | 8.2         | 16.2        | 2.7         | 2.7         |       |
| Rappahannock Co.                            | 0         | 0         | 0          | 0          | 1          | 0.0        | 0.0         | 0.0         | 0.0         | 13.5        |       |
| <b>District Total</b>                       | <b>5</b>  | <b>11</b> | <b>7</b>   | <b>16</b>  | <b>10</b>  | <b>2.8</b> | <b>6.1</b>  | <b>3.9</b>  | <b>8.7</b>  | <b>5.4</b>  |       |

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

|   | 2018       | 2019      | 2020      | 2021       | 2022       | 2018       | 2019       | 2020       | 2021       | 2022        | Trend |
|---|------------|-----------|-----------|------------|------------|------------|------------|------------|------------|-------------|-------|
|   | No.        | No.       | No.       | No.        | No.        | Rate       | Rate       | Rate       | Rate       | Rate        |       |
| <b>Region Total</b>                       | <b>103</b> | <b>52</b> | <b>65</b> | <b>110</b> | <b>129</b> | <b>7.7</b> | <b>3.9</b> | <b>4.9</b> | <b>8.2</b> | <b>9.7</b>  |       |
| <b>Alleghany Health District</b>          |            |           |           |            |            |            |            |            |            |             |       |
| Alleghany Co.                             | 0          | 0         | 0         | 2          | 2          | 0.0        | 0.0        | 0.0        | 13.6       | 13.3        |       |
| Botetourt Co.                             | 1          | 0         | 0         | 2          | 0          | 3.0        | 0.0        | 0.0        | 5.9        | 0.0         |       |
| Covington                                 | 0          | 0         | 0         | 3          | 0          | 0.0        | 0.0        | 0.0        | 53.2       | 0.0         |       |
| Craig Co.                                 | 0          | 0         | 0         | 0          | 0          | 0.0        | 0.0        | 0.0        | 0.0        | 0.0         |       |
| Roanoke Co.                               | 6          | 2         | 2         | 8          | 13         | 6.4        | 2.1        | 2.1        | 8.5        | 13.5        |       |
| Salem                                     | 3          | 2         | 2         | 1          | 2          | 11.6       | 7.8        | 7.9        | 3.9        | 7.9         |       |
| <b>District Total</b>                     | <b>10</b>  | <b>4</b>  | <b>4</b>  | <b>16</b>  | <b>17</b>  | <b>5.6</b> | <b>2.2</b> | <b>2.2</b> | <b>8.9</b> | <b>9.4</b>  |       |
| <b>Central Virginia Health District</b>   |            |           |           |            |            |            |            |            |            |             |       |
| Amherst Co.                               | 0          | 1         | 1         | 2          | 3          | 0.0        | 3.2        | 3.2        | 6.3        | 9.6         |       |
| Appomattox Co.                            | 0          | 0         | 0         | 0          | 4          | 0.0        | 0.0        | 0.0        | 0.0        | 24.5        |       |
| Bedford Co.                               | 0          | 2         | 2         | 1          | 3          | 0.0        | 2.5        | 2.5        | 1.3        | 3.7         |       |
| Campbell Co.                              | 4          | 2         | 1         | 2          | 4          | 7.3        | 3.6        | 1.8        | 3.6        | 7.2         |       |
| Lynchburg                                 | 5          | 5         | 5         | 7          | 17         | 6.2        | 6.1        | 6.1        | 8.6        | 21.5        |       |
| <b>District Total</b>                     | <b>9</b>   | <b>10</b> | <b>9</b>  | <b>12</b>  | <b>31</b>  | <b>3.4</b> | <b>3.8</b> | <b>3.4</b> | <b>4.5</b> | <b>11.8</b> |       |
| <b>Cumberland Plateau Health District</b> |            |           |           |            |            |            |            |            |            |             |       |
| Buchanan Co.                              | 0          | 0         | 1         | 2          | 0          | 0.0        | 0.0        | 4.8        | 9.7        | 0.0         |       |
| Dickenson Co.                             | 1          | 0         | 0         | 0          | 3          | 6.8        | 0.0        | 0.0        | 0.0        | 21.8        |       |
| Russell Co.                               | 0          | 1         | 0         | 3          | 1          | 0.0        | 3.7        | 0.0        | 11.3       | 3.9         |       |
| Tazewell Co.                              | 1          | 0         | 0         | 5          | 1          | 2.4        | 0.0        | 0.0        | 12.3       | 2.5         |       |
| <b>District Total</b>                     | <b>2</b>   | <b>1</b>  | <b>1</b>  | <b>10</b>  | <b>5</b>   | <b>1.9</b> | <b>1.0</b> | <b>1.0</b> | <b>9.8</b> | <b>5.0</b>  |       |
| <b>Lenowisco Health District</b>          |            |           |           |            |            |            |            |            |            |             |       |
| Lee Co.                                   | 1          | 0         | 1         | 1          | 0          | 4.2        | 0.0        | 4.3        | 4.3        | 0.0         |       |
| Norton                                    | 0          | 0         | 0         | 0          | 0          | 0.0        | 0.0        | 0.0        | 0.0        | 0.0         |       |
| Scott Co.                                 | 1          | 1         | 1         | 0          | 2          | 4.6        | 4.6        | 4.6        | 0.0        | 9.3         |       |
| Wise Co.                                  | 1          | 0         | 1         | 1          | 2          | 2.6        | 0.0        | 2.7        | 2.7        | 5.6         |       |
| <b>District Total</b>                     | <b>3</b>   | <b>1</b>  | <b>3</b>  | <b>2</b>   | <b>4</b>   | <b>3.4</b> | <b>1.1</b> | <b>3.5</b> | <b>2.3</b> | <b>4.8</b>  |       |
| <b>Mount Rogers Health District</b>       |            |           |           |            |            |            |            |            |            |             |       |
| Bland Co.                                 | 0          | 0         | 0         | 0          | 0          | 0.0        | 0.0        | 0.0        | 0.0        | 0.0         |       |
| Bristol                                   | 0          | 3         | 1         | 5          | 2          | 0.0        | 18.2       | 6.0        | 28.9       | 11.7        |       |
| Carroll Co.                               | 0          | 1         | 2         | 5          | 0          | 0.0        | 3.4        | 6.7        | 16.6       | 0.0         |       |
| Galax                                     | 0          | 0         | 2         | 1          | 0          | 0.0        | 0.0        | 31.5       | 15.9       | 0.0         |       |
| Grayson Co.                               | 0          | 1         | 1         | 2          | 2          | 0.0        | 6.4        | 6.4        | 12.9       | 13.0        |       |
| Smyth Co.                                 | 2          | 2         | 1         | 0          | 0          | 6.5        | 6.6        | 3.3        | 0.0        | 0.0         |       |
| Washington Co.                            | 3          | 2         | 5         | 1          | 2          | 5.5        | 3.7        | 9.3        | 1.9        | 3.7         |       |
| Wythe Co.                                 | 1          | 4         | 1         | 1          | 0          | 3.5        | 13.9       | 3.5        | 3.5        | 0.0         |       |
| <b>District Total</b>                     | <b>6</b>   | <b>13</b> | <b>13</b> | <b>15</b>  | <b>6</b>   | <b>3.2</b> | <b>6.9</b> | <b>6.9</b> | <b>8.0</b> | <b>3.2</b>  |       |
| <b>New River Health District</b>          |            |           |           |            |            |            |            |            |            |             |       |
| Floyd Co.                                 | 1          | 0         | 0         | 0          | 2          | 6.3        | 0.0        | 0.0        | 0.0        | 12.8        |       |
| Giles Co.                                 | 0          | 0         | 1         | 1          | 1          | 0.0        | 0.0        | 6.0        | 6.0        | 6.0         |       |
| Montgomery Co.                            | 3          | 0         | 2         | 11         | 3          | 3.0        | 0.0        | 2.0        | 11.2       | 3.0         |       |
| Pulaski Co.                               | 2          | 2         | 1         | 0          | 1          | 5.9        | 5.9        | 2.9        | 0.0        | 3.0         |       |
| Radford                                   | 1          | 0         | 2         | 0          | 2          | 5.7        | 0.0        | 11.0       | 0.0        | 12.1        |       |
| <b>District Total</b>                     | <b>7</b>   | <b>2</b>  | <b>6</b>  | <b>12</b>  | <b>9</b>   | <b>3.8</b> | <b>1.1</b> | <b>3.3</b> | <b>6.6</b> | <b>5.0</b>  |       |



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

|  | 2018      | 2019      | 2020      | 2021      | 2022      | 2018        | 2019       | 2020        | 2021        | 2022        | Trend |
|--|-----------|-----------|-----------|-----------|-----------|-------------|------------|-------------|-------------|-------------|-------|
|  | No.       | No.       | No.       | No.       | No.       | Rate        | Rate       | Rate        | Rate        | Rate        |       |
| <b>Pittsylvania/Danville Health District</b> |           |           |           |           |           |             |            |             |             |             |       |
| Danville                                     | 32        | 6         | 13        | 7         | 16        | 77.8        | 14.7       | 32.5        | 17.6        | 37.9        |       |
| Pittsylvania Co.                             | 8         | 4         | 6         | 3         | 5         | 13.1        | 6.6        | 9.9         | 5.0         | 8.3         |       |
| <b>District Total</b>                        | <b>40</b> | <b>10</b> | <b>19</b> | <b>10</b> | <b>21</b> | <b>39.1</b> | <b>9.8</b> | <b>18.9</b> | <b>10.0</b> | <b>20.6</b> |       |
| <b>Roanoke Health District</b>               |           |           |           |           |           |             |            |             |             |             |       |
| Roanoke City                                 | 18        | 5         | 6         | 26        | 27        | 18.0        | 5.0        | 6.1         | 26.2        | 27.3        |       |
| <b>District Total</b>                        | <b>18</b> | <b>5</b>  | <b>6</b>  | <b>26</b> | <b>27</b> | <b>18.0</b> | <b>5.0</b> | <b>6.1</b>  | <b>26.2</b> | <b>27.3</b> |       |
| <b>West Piedmont Health District</b>         |           |           |           |           |           |             |            |             |             |             |       |
| Franklin Co.                                 | 3         | 0         | 3         | 0         | 2         | 5.3         | 0.0        | 5.4         | 0.0         | 3.6         |       |
| Henry Co.                                    | 4         | 3         | 0         | 5         | 2         | 7.8         | 5.9        | 0.0         | 9.9         | 4.0         |       |
| Martinsville                                 | 0         | 3         | 1         | 1         | 4         | 0.0         | 23.3       | 8.0         | 8.1         | 29.6        |       |
| Patrick Co.                                  | 1         | 0         | 0         | 1         | 1         | 5.7         | 0.0        | 0.0         | 5.7         | 5.7         |       |
| <b>District Total</b>                        | <b>8</b>  | <b>6</b>  | <b>4</b>  | <b>7</b>  | <b>9</b>  | <b>5.8</b>  | <b>4.4</b> | <b>2.9</b>  | <b>5.1</b>  | <b>6.6</b>  |       |

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

|                       | 2018         | 2019         | 2020         | 2021         | 2022         | 2018        | 2019        | 2020        | 2021        | 2022        | 2022         | Trend |
|-----------------------|--------------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|--------------|-------|
|                       | No.          | No.          | No.          | No.          | No.          | Rate        | Rate        | Rate        | Rate        | Rate        | % Change     |       |
| Alexandria            | 52           | 66           | 55           | 65           | 60           | 32.5        | 41.1        | 34.5        | 41.0        | 38.8        | 4.1%         |       |
| Alleghany             | 10           | 4            | 4            | 16           | 17           | 5.6         | 2.2         | 2.2         | 8.9         | 9.4         | 97.0%        |       |
| Arlington             | 82           | 77           | 67           | 72           | 64           | 34.9        | 32.4        | 28.3        | 30.0        | 27.5        | -12.5%       |       |
| Blue Ridge            | 18           | 14           | 30           | 34           | 40           | 7.1         | 5.5         | 11.7        | 13.2        | 15.3        | 63.1%        |       |
| Central Shenandoah    | 15           | 15           | 19           | 32           | 39           | 5.0         | 5.0         | 6.3         | 10.6        | 12.8        | 90.5%        |       |
| Central Virginia      | 9            | 10           | 9            | 12           | 31           | 3.4         | 3.8         | 3.4         | 4.5         | 11.8        | 211.2%       |       |
| Chesapeake            | 34           | 33           | 41           | 44           | 50           | 14.1        | 13.6        | 16.7        | 17.8        | 19.9        | 27.8%        |       |
| Chesterfield          | 52           | 53           | 52           | 42           | 55           | 13.3        | 13.4        | 13.0        | 10.4        | 13.1        | 4.5%         |       |
| Chickahominy          | 14           | 13           | 10           | 8            | 12           | 8.9         | 8.1         | 6.2         | 4.9         | 7.2         | 1.8%         |       |
| Crater                | 74           | 45           | 55           | 31           | 61           | 47.7        | 29.0        | 35.5        | 20.1        | 43.3        | 31.0%        |       |
| Cumberland Plateau    | 2            | 1            | 1            | 10           | 5            | 1.9         | 1.0         | 1.0         | 9.8         | 5.0         | 47.6%        |       |
| Eastern Shore         | 3            | 0            | 5            | 2            | 0            | 6.8         | 0.0         | 11.4        | 4.6         | 0.0         | -100.0%      |       |
| Fairfax               | 130          | 136          | 115          | 126          | 167          | 11.0        | 11.4        | 9.7         | 10.6        | 14.2        | 32.8%        |       |
| Hampton               | 39           | 49           | 56           | 48           | 41           | 29.0        | 36.5        | 41.6        | 35.4        | 29.8        | -16.5%       |       |
| Henrico Co.           | 74           | 88           | 97           | 69           | 93           | 22.6        | 26.7        | 29.3        | 20.7        | 27.9        | 12.3%        |       |
| Lenowisco             | 3            | 1            | 3            | 2            | 4            | 3.4         | 1.1         | 3.5         | 2.3         | 4.8         | 86.9%        |       |
| Lord Fairfax          | 8            | 11           | 14           | 16           | 13           | 3.4         | 4.6         | 5.8         | 6.6         | 5.3         | 3.2%         |       |
| Loudoun Co.           | 26           | 22           | 20           | 28           | 22           | 6.5         | 5.4         | 4.8         | 6.6         | 5.1         | -12.0%       |       |
| Mount Rogers          | 6            | 13           | 13           | 15           | 6            | 3.2         | 6.9         | 6.9         | 8.0         | 3.2         | -48.3%       |       |
| New River             | 7            | 2            | 6            | 12           | 9            | 3.8         | 1.1         | 3.3         | 6.6         | 5.0         | 35.0%        |       |
| Norfolk               | 118          | 92           | 100          | 116          | 145          | 48.2        | 37.7        | 41.2        | 47.8        | 61.7        | 41.1%        |       |
| Peninsula             | 72           | 85           | 69           | 86           | 70           | 20.6        | 24.3        | 19.6        | 24.3        | 19.3        | -13.3%       |       |
| Piedmont              | 11           | 14           | 10           | 12           | 9            | 10.7        | 13.7        | 9.8         | 11.7        | 8.9         | -22.2%       |       |
| Pittsylvania/Danville | 40           | 10           | 19           | 10           | 21           | 39.1        | 9.8         | 18.9        | 10.0        | 20.6        | 5.6%         |       |
| Portsmouth            | 39           | 48           | 51           | 85           | 71           | 41.2        | 50.7        | 54.0        | 89.4        | 72.6        | 23.3%        |       |
| Prince William        | 59           | 59           | 78           | 58           | 64           | 11.3        | 11.2        | 14.7        | 10.9        | 11.8        | -2.2%        |       |
| Rappahannock          | 23           | 41           | 32           | 44           | 48           | 6.3         | 11.1        | 8.5         | 11.5        | 12.3        | 31.1%        |       |
| Rapp./Rapidan         | 5            | 11           | 7            | 16           | 10           | 2.8         | 6.1         | 3.9         | 8.7         | 5.4         | -0.1%        |       |
| Richmond City         | 154          | 156          | 138          | 115          | 151          | 67.8        | 68.2        | 59.9        | 49.5        | 66.6        | 8.6%         |       |
| Roanoke City          | 18           | 5            | 6            | 26           | 27           | 18.0        | 5.0         | 6.1         | 26.2        | 27.3        | 97.4%        |       |
| Southside             | 1            | 6            | 5            | 21           | 7            | 1.2         | 7.4         | 6.2         | 26.1        | 8.8         | -14.5%       |       |
| Three Rivers          | 8            | 9            | 9            | 8            | 13           | 5.7         | 6.4         | 6.4         | 5.6         | 9.0         | 50.0%        |       |
| Virginia Beach        | 99           | 73           | 70           | 106          | 88           | 22.0        | 16.2        | 15.6        | 23.5        | 19.2        | -0.4%        |       |
| West Piedmont         | 8            | 6            | 4            | 7            | 9            | 5.8         | 4.4         | 2.9         | 5.1         | 6.6         | 45.2%        |       |
| Western Tidewater     | 24           | 19           | 26           | 19           | 26           | 15.7        | 12.4        | 16.8        | 12.1        | 16.1        | 12.9%        |       |
| <b>Virginia Total</b> | <b>1,337</b> | <b>1,287</b> | <b>1,296</b> | <b>1,413</b> | <b>1,548</b> | <b>13.5</b> | <b>15.7</b> | <b>15.1</b> | <b>15.1</b> | <b>16.4</b> | <b>10.4%</b> |       |

\*Percent change compares the 2022 rate to the 2018 - 2021 average annual rate.

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Table 4ES-b. Early syphilis diagnoses by health district, by descending rate (2022)

|                       | 2018         | 2019         | 2020         | 2021         | 2022         | 2018        | 2019        | 2020        | 2021        | 2022        | %            | Trend |
|-----------------------|--------------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|--------------|-------|
|                       | No.          | No.          | No.          | No.          | No.          | Rate        | Rate        | Rate        | Rate        | Rate        | Change       |       |
| Portsmouth            | 39           | 48           | 51           | 85           | 71           | 41.2        | 50.7        | 54.0        | 89.4        | 72.6        | 23.3%        |       |
| Richmond City         | 154          | 156          | 138          | 115          | 151          | 67.8        | 68.2        | 59.9        | 49.5        | 66.6        | 8.6%         |       |
| Norfolk               | 118          | 92           | 100          | 116          | 145          | 48.2        | 37.7        | 41.2        | 47.8        | 61.7        | 41.1%        |       |
| Crater                | 74           | 45           | 55           | 31           | 61           | 47.7        | 29.0        | 35.5        | 20.1        | 43.3        | 31.0%        |       |
| Alexandria            | 52           | 66           | 55           | 65           | 60           | 32.5        | 41.1        | 34.5        | 41.0        | 38.8        | 4.1%         |       |
| Hampton               | 39           | 49           | 56           | 48           | 41           | 29.0        | 36.5        | 41.6        | 35.4        | 29.8        | -16.5%       |       |
| Henrico Co.           | 74           | 88           | 97           | 69           | 93           | 22.6        | 26.7        | 29.3        | 20.7        | 27.9        | 12.3%        |       |
| Arlington             | 82           | 77           | 67           | 72           | 64           | 34.9        | 32.4        | 28.3        | 30.0        | 27.5        | -12.5%       |       |
| Roanoke City          | 18           | 5            | 6            | 26           | 27           | 18.0        | 5.0         | 6.1         | 26.2        | 27.3        | 97.4%        |       |
| Pittsylvania/Danville | 40           | 10           | 19           | 10           | 21           | 39.1        | 9.8         | 18.9        | 10.0        | 20.6        | 5.6%         |       |
| Chesapeake            | 34           | 33           | 41           | 44           | 50           | 14.1        | 13.6        | 16.7        | 17.8        | 19.9        | 27.8%        |       |
| Peninsula             | 72           | 85           | 69           | 86           | 70           | 20.6        | 24.3        | 19.6        | 24.3        | 19.3        | -13.3%       |       |
| Virginia Beach        | 99           | 73           | 70           | 106          | 88           | 22.0        | 16.2        | 15.6        | 23.5        | 19.2        | -0.4%        |       |
| <b>Virginia Total</b> | <b>1,337</b> | <b>1,287</b> | <b>1,296</b> | <b>1,413</b> | <b>1,548</b> | <b>13.5</b> | <b>15.7</b> | <b>15.1</b> | <b>15.1</b> | <b>16.4</b> | <b>10.4%</b> |       |
| Western Tidewater     | 24           | 19           | 26           | 19           | 26           | 15.7        | 12.4        | 16.8        | 12.1        | 16.1        | 12.9%        |       |
| Blue Ridge            | 18           | 14           | 30           | 34           | 40           | 7.1         | 5.5         | 11.7        | 13.2        | 15.3        | 63.1%        |       |
| Fairfax               | 130          | 136          | 115          | 126          | 167          | 11.0        | 11.4        | 9.7         | 10.6        | 14.2        | 32.8%        |       |
| Chesterfield          | 52           | 53           | 52           | 42           | 55           | 13.3        | 13.4        | 13.0        | 10.4        | 13.1        | 4.5%         |       |
| Central Shenandoah    | 15           | 15           | 19           | 32           | 39           | 5.0         | 5.0         | 6.3         | 10.6        | 12.8        | 90.5%        |       |
| Rappahannock          | 23           | 41           | 32           | 44           | 48           | 6.3         | 11.1        | 8.5         | 11.5        | 12.3        | 31.1%        |       |
| Central Virginia      | 9            | 10           | 9            | 12           | 31           | 3.4         | 3.8         | 3.4         | 4.5         | 11.8        | 211.2%       |       |
| Prince William        | 59           | 59           | 78           | 58           | 64           | 11.3        | 11.2        | 14.7        | 10.9        | 11.8        | -2.2%        |       |
| Alleghany             | 10           | 4            | 4            | 16           | 17           | 5.6         | 2.2         | 2.2         | 8.9         | 9.4         | 97.0%        |       |
| Three Rivers          | 8            | 9            | 9            | 8            | 13           | 5.7         | 6.4         | 6.4         | 5.6         | 9.0         | 50.0%        |       |
| Piedmont              | 11           | 14           | 10           | 12           | 9            | 10.7        | 13.7        | 9.8         | 11.7        | 8.9         | -22.2%       |       |
| Southside             | 1            | 6            | 5            | 21           | 7            | 1.2         | 7.4         | 6.2         | 26.1        | 8.8         | -14.5%       |       |
| Chickahominy          | 14           | 13           | 10           | 8            | 12           | 8.9         | 8.1         | 6.2         | 4.9         | 7.2         | 1.8%         |       |
| West Piedmont         | 8            | 6            | 4            | 7            | 9            | 5.8         | 4.4         | 2.9         | 5.1         | 6.6         | 45.2%        |       |
| Rapp./Rapidan         | 5            | 11           | 7            | 16           | 10           | 2.8         | 6.1         | 3.9         | 8.7         | 5.4         | -0.1%        |       |
| Lord Fairfax          | 8            | 11           | 14           | 16           | 13           | 3.4         | 4.6         | 5.8         | 6.6         | 5.3         | 3.2%         |       |
| Loudoun Co.           | 26           | 22           | 20           | 28           | 22           | 6.5         | 5.4         | 4.8         | 6.6         | 5.1         | -12.0%       |       |
| Cumberland Plateau    | 2            | 1            | 1            | 10           | 5            | 1.9         | 1.0         | 1.0         | 9.8         | 5.0         | 47.6%        |       |
| New River             | 7            | 2            | 6            | 12           | 9            | 3.8         | 1.1         | 3.3         | 6.6         | 5.0         | 35.0%        |       |
| Lenowisco             | 3            | 1            | 3            | 2            | 4            | 3.4         | 1.1         | 3.5         | 2.3         | 4.8         | 86.9%        |       |
| Mount Rogers          | 6            | 13           | 13           | 15           | 6            | 3.2         | 6.9         | 6.9         | 8.0         | 3.2         | -48.3%       |       |
| Eastern Shore         | 3            | 0            | 5            | 2            | 0            | 6.8         | 0.0         | 11.4        | 4.6         | 0.0         | -100.0%      |       |

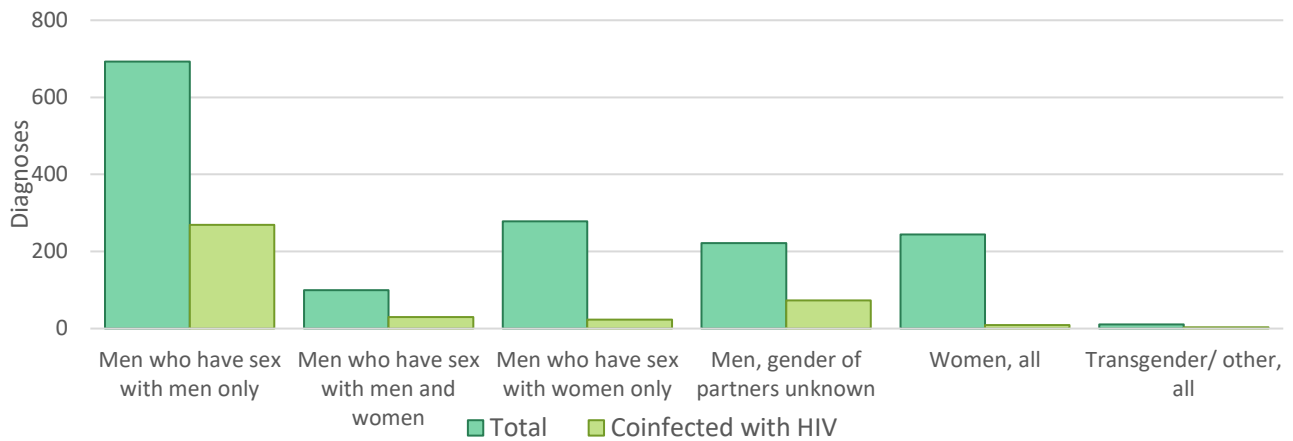
\*Percent change compares the 2022 rate to the 2018 - 2021 average annual rate.

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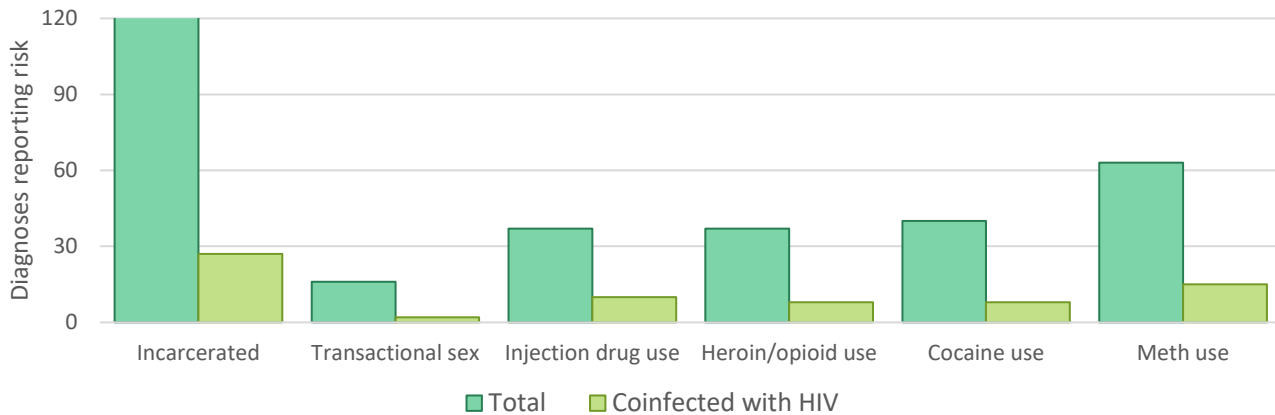
**Table 5ES. New Early Syphilis Diagnoses, by Population/Risk Behavior**

|  | 2022         |               |                          |                           |
|--|--------------|---------------|--------------------------|---------------------------|
|  | No.          | Pct. of total | No. with HIV coinfection | Pct. with HIV coinfection |
| <b>Total</b>   | <b>1,548</b> | <b>100%</b>   | <b>407</b>               | <b>26.3%</b>              |
| <b>Gender of case and gender of reported lifetime sex partners</b> |              |               |                          |                           |
| Men who have sex with men only                                     | 693          | 44.8%         | 269                      | 38.8%                     |
| Men who have sex with men and women                                | 100          | 6.5%          | 30                       | 30.0%                     |
| Men who have sex with women only                                   | 278          | 18.0%         | 23                       | 8.3%                      |
| Men, gender of partners unknown                                    | 222          | 14.3%         | 73                       | 32.9%                     |
| Women, all   | 244          | 15.8%         | 9                        | 3.7%                      |
| Transgender/ other, all  | 11           | 0.7%          | 3                        | 27.3%                     |
| <b>Lifetime reported risk</b>                                      |              |               |                          |                           |
| Incarcerated   | 133          | 8.6%          | 27                       | 20.3%                     |
| Transactional sex  | 16           | 1.0%          | 2                        | 12.5%                     |
| Injection drug use   | 37           | 2.4%          | 10                       | 27.0%                     |
| Heroin/opioid use  | 37           | 2.4%          | 8                        | 21.6%                     |
| Cocaine use  | 40           | 2.6%          | 8                        | 20.0%                     |
| Meth use   | 63           | 4.1%          | 15                       | 23.8%                     |

**Figure 4ES. Early syphilis, by gender of patient and sex partners and HIV infection status (2022)**



**Figure 5ES. Early syphilis diagnoses with reported lifetime risk and HIV infection status (2022)**

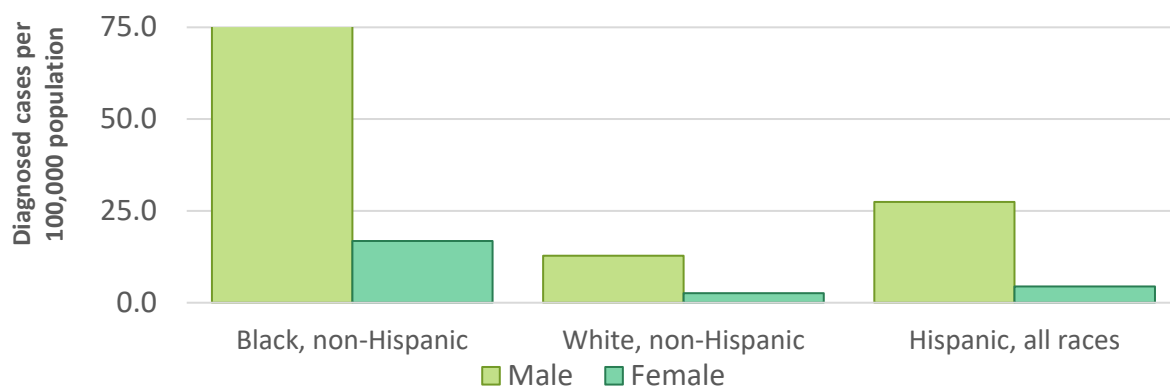


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**Table 6ES. Early Syphilis Diagnoses by Additional Demographics, 2022**

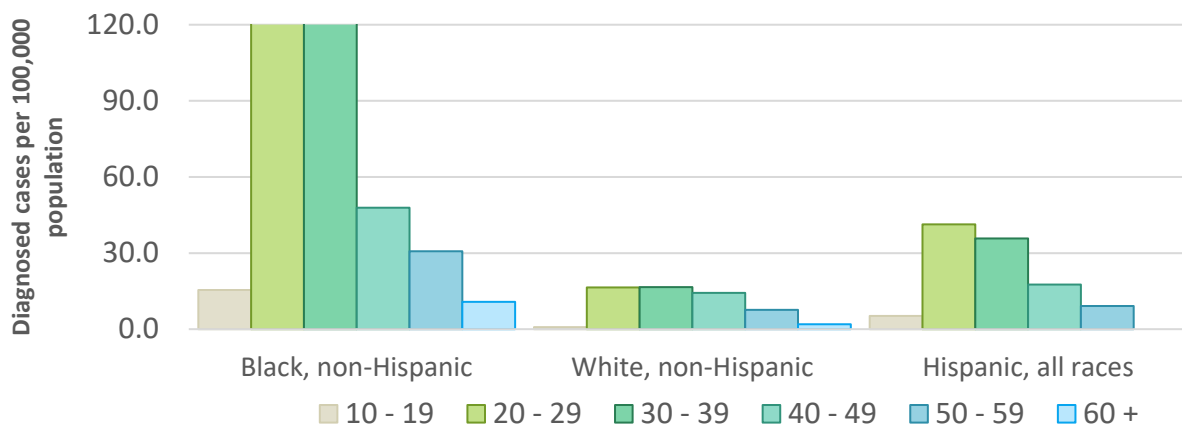
|                    | Black, non-Hispanic |             | White, non-Hispanic |            | Hispanic, all races |             | Multi-race or other | Unknown   |
|--------------------|---------------------|-------------|---------------------|------------|---------------------|-------------|---------------------|-----------|
|                    | No.                 | Rate        | No.                 | Rate       | No.                 | Rate        | No.                 | No.       |
| <b>Total</b>       | <b>831</b>          | <b>50.1</b> | <b>398</b>          | <b>7.6</b> | <b>145</b>          | <b>16.4</b> | <b>142</b>          | <b>32</b> |
| <b>Gender</b>      |                     |             |                     |            |                     |             |                     |           |
| Male               | 679                 | 84.8        | 331                 | 12.8       | 125                 | 27.5        | 130                 | 28        |
| Female             | 144                 | 16.8        | 67                  | 2.6        | 19                  | 4.4         | 11                  | 3         |
| Transgender/ Other | 8                   | --          | 0                   | --         | 1                   | --          | 1                   | 1         |

**Figure 6ES. Early syphilis diagnoses by race/ethnicity and gender, 2022**



|                         | Black, non-Hispanic |             | White, non-Hispanic |            | Hispanic, all races |             | Multi-race or other | Unknown   |
|-------------------------|---------------------|-------------|---------------------|------------|---------------------|-------------|---------------------|-----------|
|                         | No.                 | Rate        | No.                 | Rate       | No.                 | Rate        | No.                 | No.       |
| <b>Total</b>            | <b>831</b>          | <b>50.1</b> | <b>398</b>          | <b>7.6</b> | <b>145</b>          | <b>16.4</b> | <b>142</b>          | <b>32</b> |
| <b>Age at diagnosis</b> |                     |             |                     |            |                     |             |                     |           |
| < 10                    | 0                   | 0.0         | 0                   | 0.0        | 0                   | 0.0         | 0                   | 0         |
| 10 - 19                 | 34                  | 15.4        | 5                   | 0.9        | 8                   | 5.2         | 8                   | 2         |
| 20 - 29                 | 303                 | 125.3       | 106                 | 16.4       | 57                  | 41.3        | 48                  | 17        |
| 30 - 39                 | 293                 | 122.5       | 113                 | 16.5       | 49                  | 35.8        | 52                  | 5         |
| 40 - 49                 | 98                  | 47.9        | 90                  | 14.3       | 23                  | 17.6        | 21                  | 4         |
| 50 - 59                 | 67                  | 30.7        | 56                  | 7.6        | 8                   | 9.1         | 10                  | 4         |
| 60 +                    | 36                  | 10.8        | 28                  | 2.0        | 0                   | 0.0         | 3                   | 0         |

**Figure 7ES. Early syphilis diagnoses by race/ethnicity and age, 2022**



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**Table 6ES. Early Syphilis Diagnoses by Additional Demographics, 2022**

|                         | Male        |      | Female     |      | Transgender/<br>Other |      |
|-------------------------|-------------|------|------------|------|-----------------------|------|
|                         | No.         | Rate | No.        | Rate | No.                   | Rate |
| <b>Total</b>            | <b>1293</b> | 30.2 | <b>244</b> | 5.6  | <b>11</b>             | --   |
| <b>Age at diagnosis</b> |             |      |            |      |                       |      |
| < 10                    | 0           | 0.0  | 0          | 0.0  | 0                     | --   |
| 10 - 19                 | 34          | 6.0  | 23         | 4.3  | 0                     | --   |
| 20 - 29                 | 423         | 71.3 | 105        | 18.7 | 3                     | --   |
| 30 - 39                 | 432         | 72.0 | 74         | 12.5 | 6                     | --   |
| 40 - 49                 | 205         | 37.6 | 29         | 5.3  | 2                     | --   |
| 50 - 59                 | 136         | 24.2 | 9          | 1.6  | 0                     | --   |
| 60 +                    | 63          | 7.0  | 4          | 0.4  | 0                     | --   |

**Figure 8ES. Early syphilis diagnoses by gender and age at diagnosis, 2022**

