

**SUPPLEMENTARY TABLE. Incidence (cases per 100,000 screened women\*) of cervical precancers and 95% confidence intervals — Human Papillomavirus Vaccine Impact Monitoring Project,<sup>†</sup> five sites, United States, 2008–2022**

| Age (yrs)    | 20–64<br>rate (95% CI) | 20–24<br>rate (95% CI)    | 25–29<br>rate (95% CI)    | 30–34<br>rate (95% CI)    | 35–39<br>rate (95% CI) | 40–49<br>rate (95% CI) | 50–64<br>rate (95% CI) |
|--------------|------------------------|---------------------------|---------------------------|---------------------------|------------------------|------------------------|------------------------|
| <b>CIN2+</b> |                        |                           |                           |                           |                        |                        |                        |
| 2008         | 552.54 (533.10,572.69) | 1296.58 (1211.00,1388.20) | 1048.85 (978.63,1124.11)  | 782.86 (718.91,852.49)    | 486.87 (436.12,543.53) | 282.96 (255.19,313.76) | 115.39 (99.02,134.47)  |
| 2009         | 529.21 (510.40,548.71) | 1169.25 (1088.34,1256.18) | 1018.53 (950.38,1091.56)  | 734.60 (674.38,800.21)    | 506.75 (455.22,564.12) | 284.28 (256.74,314.77) | 108.76 (93.01,127.18)  |
| 2010         | 548.63 (528.70,569.30) | 1077.78 (996.33,1165.90)  | 1092.20 (1019.13,1170.52) | 779.51 (715.37,849.40)    | 581.73 (523.23,646.77) | 302.38 (272.38,335.68) | 121.97 (104.90,141.82) |
| 2011         | 536.40 (516.86,556.68) | 1014.61 (935.25,1100.72)  | 1018.84 (949.53,1093.20)  | 821.49 (756.58,891.97)    | 534.12 (477.77,597.12) | 318.02 (287.45,351.84) | 129.75 (112.29,149.92) |
| 2012         | 554.82 (534.40,576.01) | 1055.15 (970.70,1146.94)  | 1038.68 (968.11,1114.40)  | 817.32 (751.73,888.63)    | 554.21 (495.83,619.47) | 326.25 (294.06,361.96) | 142.49 (123.60,164.26) |
| 2013         | 614.49 (592.24,637.58) | 889.74 (808.22,979.49)    | 1225.15 (1146.03,1309.72) | 933.01 (861.55,1010.40)   | 656.78 (590.64,730.32) | 379.10 (343.06,418.92) | 173.21 (151.53,197.98) |
| 2014         | 630.51 (607.34,654.56) | 668.89 (595.81,750.93)    | 1172.99 (1095.20,1256.29) | 1112.53 (1031.51,1199.90) | 631.49 (565.76,704.86) | 445.45 (404.73,490.27) | 195.48 (171.78,222.45) |
| 2015         | 664.56 (640.46,689.56) | 677.47 (601.95,762.47)    | 1157.52 (1080.12,1240.47) | 1174.80 (1091.93,1263.95) | 849.27 (771.63,934.71) | 414.01 (373.95,458.35) | 203.66 (179.07,231.63) |
| 2016         | 726.30 (700.60,752.95) | 553.76 (485.36,631.80)    | 1365.99 (1278.85,1459.07) | 1257.39 (1170.21,1351.07) | 894.85 (814.68,982.92) | 471.95 (428.36,519.98) | 245.47 (217.67,276.81) |
| 2017         | 723.44 (697.53,750.32) | 487.04 (422.16,561.88)    | 1300.89 (1213.48,1394.60) | 1331.83 (1240.89,1429.43) | 871.83 (793.03,958.47) | 545.49 (497.85,597.69) | 229.83 (202.98,260.22) |
| 2018         | 663.22 (638.05,689.38) | 436.88 (374.35,509.86)    | 1093.10 (1013.33,1179.15) | 1149.48 (1065.84,1239.69) | 828.66 (751.49,913.76) | 506.11 (459.63,557.29) | 247.66 (218.67,280.48) |
| 2019         | 650.71 (625.57,676.85) | 360.80 (304.22,427.92)    | 1052.32 (973.87,1137.09)  | 1271.52 (1181.29,1368.65) | 820.60 (743.26,905.99) | 459.52 (415.11,508.67) | 234.23 (205.89,266.47) |
| 2020         | 673.53 (645.06,703.26) | 337.94 (278.06,410.71)    | 1016.04 (931.17,1108.63)  | 1154.25 (1063.88,1252.29) | 847.95 (761.72,943.95) | 540.20 (484.79,601.94) | 280.53 (245.27,320.85) |
| 2021         | 591.66 (567.72,616.62) | 287.74 (235.33,351.83)    | 1010.32 (929.25,1098.47)  | 1073.69 (993.41,1160.46)  | 740.02 (667.77,820.08) | 453.86 (409.95,502.48) | 229.28 (201.81,260.48) |
| 2022         | 603.44 (578.41,629.56) | 266.18 (214.93,329.64)    | 1023.51 (937.78,1117.07)  | 1029.57 (947.38,1118.89)  | 795.53 (718.46,880.86) | 529.87 (480.64,584.14) | 231.08 (202.78,263.34) |
| <b>CIN3+</b> |                        |                           |                           |                           |                        |                        |                        |
| 2008         | 189.16 (177.93,201.11) | 338.31 (295.98,386.69)    | 382.83 (341.35,429.36)    | 281.18 (243.91,324.14)    | 190.45 (159.71,227.10) | 107.68 (91.08,127.31)  | 47.14 (37.10,59.90)    |
| 2009         | 180.01 (169.18,191.53) | 291.14 (252.17,336.13)    | 356.04 (316.69,400.28)    | 291.04 (254.06,333.41)    | 185.10 (155.00,221.04) | 106.03 (89.73,125.28)  | 44.34 (34.70,56.64)    |
| 2010         | 180.99 (169.70,193.03) | 258.18 (219.88,303.15)    | 351.80 (311.38,397.45)    | 281.28 (243.82,324.50)    | 241.54 (204.91,284.72) | 96.21 (79.95,115.79)   | 55.57 (44.45,69.48)    |
| 2011         | 189.06 (177.60,201.25) | 252.34 (214.31,297.11)    | 350.14 (310.50,394.85)    | 323.09 (283.35,368.40)    | 224.71 (189.22,266.86) | 120.95 (102.66,142.49) | 54.30 (43.43,67.89)    |
| 2012         | 188.19 (176.45,200.70) | 244.67 (205.75,290.95)    | 364.07 (323.28,410.02)    | 299.24 (260.60,343.60)    | 212.75 (177.76,254.62) | 119.14 (100.32,141.48) | 57.74 (46.19,72.20)    |
| 2013         | 206.50 (193.77,220.06) | 218.16 (179.68,264.88)    | 420.70 (375.40,471.46)    | 336.19 (294.40,383.92)    | 238.83 (200.28,284.79) | 122.10 (102.39,145.60) | 68.48 (55.36,84.70)    |
| 2014         | 207.03 (193.93,221.00) | 167.80 (133.20,211.41)    | 349.31 (308.04,396.11)    | 400.64 (353.22,454.44)    | 234.33 (195.64,280.66) | 153.46 (130.33,180.68) | 68.84 (55.37,85.59)    |
| 2015         | 214.05 (200.56,228.44) | 145.35 (112.61,187.60)    | 386.80 (343.16,436.00)    | 448.32 (398.26,504.67)    | 262.09 (220.55,311.46) | 129.45 (107.91,155.28) | 53.55 (41.66,68.82)    |
| 2016         | 241.94 (227.30,257.52) | 132.80 (101.46,173.83)    | 398.67 (352.88,450.41)    | 471.52 (419.32,530.23)    | 301.71 (256.67,354.64) | 173.09 (147.49,203.13) | 91.36 (75.02,111.25)   |
| 2017         | 236.05 (221.45,251.62) | 101.03 (73.82,138.28)     | 347.34 (303.60,397.39)    | 508.11 (453.14,569.75)    | 313.70 (267.87,367.37) | 181.43 (154.85,212.59) | 83.99 (68.39,103.15)   |
| 2018         | 199.20 (185.62,213.77) | 70.55 (48.04,103.62)      | 308.81 (267.78,356.13)    | 387.72 (340.42,441.58)    | 265.91 (223.77,316.00) | 150.37 (126.01,179.43) | 76.89 (61.50,96.14)    |
| 2019         | 201.05 (187.29,215.81) | 71.07 (48.39,104.38)      | 268.01 (229.87,312.48)    | 412.48 (362.48,469.39)    | 320.29 (273.35,375.28) | 132.17 (109.36,159.75) | 87.20 (70.59,107.72)   |
| 2020         | 193.65 (178.66,209.90) | 53.53 (32.80,87.39)       | 241.43 (201.88,288.74)    | 329.50 (282.87,383.81)    | 274.19 (227.06,331.10) | 197.63 (165.26,236.36) | 82.97 (64.82,106.21)   |
| 2021         | 181.89 (168.83,195.96) | 81.78 (56.08,119.25)      | 237.40 (199.77,282.11)    | 342.70 (298.66,393.24)    | 243.96 (203.99,291.76) | 152.92 (128.33,182.22) | 85.49 (69.37,105.36)   |
| 2022         | 187.24 (173.52,202.03) | 66.54 (43.39,102.06)      | 240.59 (200.87,288.16)    | 332.06 (286.81,384.45)    | 285.96 (241.27,338.93) | 182.31 (154.39,215.28) | 76.00 (60.52,95.45)    |

**Abbreviations:** CIN2+ = cervical intraepithelial neoplasia grade 2 or worse and adenocarcinoma in situ; CIN3+ = cervical intraepithelial neoplasia grade 3 and adenocarcinoma in situ; HPV-

IMPACT = Human Papillomavirus Vaccine Impact Monitoring Project

\*Denominators are the estimated number of screened women aged 20–24, 25–29, 30–34, 35–39, 40–49, or 50–64 years residing in the catchment areas.

<sup>†</sup>HPV-IMPACT sites are Alameda County, California; New Haven County, Connecticut; Monroe County, New York; Davidson County, Tennessee; and 28 zip codes in metropolitan Portland, Oregon.