## Outcome 29: Routine Checkup

Internal variable name: outc29_rt_checkup
Definition: About how long has it been since you last visited a doctor for a routine checkup?

## Predictive models



|  |  | $(1.5422)$ | $(1.6245)$ |
| :--- | :---: | :---: | :---: |
| Percentage calculated by dividing <br> NON_US_Cit_ACS_15_19 by <br> Tot_Population_ACS_15_ |  | -0.8219 | -0.8219 |
|  |  | $(1.2366)$ | $(1.0226)$ |
| Crude mortality rate of disease of <br> the heart per 10K |  | -0.0060 | -0.0060 |
|  |  | $(0.0082)$ | $(0.0079)$ |
| Crude mortality rate of <br> septicemia per 10K |  | $(0.0526)$ | $0.0977^{*}$ |
|  | $2.1321^{* * *}$ | -0.1864 | $(0.0470)$ |
| VA BRFSS 2014 SAE <br> outc23_pneum_vacc | $(0.0959)$ | $(0.9388)$ | -0.1864 |
|  |  | $(0.3435)$ | $(0.9307)$ |
| _cons | 0.0128 |  | $(0.3077)$ |
|  | $(0.0100)$ |  | 0.0000 |
| Area effect variance |  |  | $(0.0000)$ |

Number of alternative models used to estimate model error $=6$.

## Results by health districts

| County name | County FIPS | Direct <br> estimate | Direct 95\% CI | SAE composite | SAE CI |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Augusta <br> County | 51015 | $75.6 \%$ | $(63.3 \%, 84.8 \%)$ | $81.4 \%$ | $(77.9 \%, 84.4 \%)$ |
| Bath County | 51017 | $87.7 \%$ | $(51.5 \%, 97.1 \%)$ | $81.8 \%$ | $(74.1 \%, 87.6 \%)$ |
| Caroline <br> County | 51033 | $72.7 \%$ | $(48.0 \%, 88.5 \%)$ | $81.3 \%$ | $(76.8 \%, 85.2 \%)$ |
| Clarke County | 51043 | $81.1 \%$ | $(48.3 \%, 95.2 \%)$ | $80.7 \%$ | $(77.2 \%, 83.8 \%)$ |
| Culpeper <br> County | 51047 | $63.1 \%$ | $(43.8 \%, 79.0 \%)$ | $82.6 \%$ | $(78.4 \%, 86.2 \%)$ |
| Fauquier <br> County | 51061 | $76.4 \%$ | $(61.7 \%, 86.7 \%)$ | $83.2 \%$ | $(79.7 \%, 86.2 \%)$ |
| Frederick <br> County | 51069 | $72.7 \%$ | $(58.2 \%, 83.6 \%)$ | $79.4 \%$ | $(75.6 \%, 82.7 \%)$ |
| Highland <br> County | 51091 | $84.7 \%$ | $(40.3 \%, 95.1 \%)$ | $84.7 \%$ | $(78.2 \%, 89.4 \%)$ |
| King George <br> County | 51099 | $73.5 \%$ | $(51.7 \%, 87.7 \%)$ | $83.4 \%$ | $(79.9 \%, 86.4 \%)$ |
| Madison <br> County | 51113 | $81.4 \%$ | $(59.6 \%, 92.8 \%)$ | $83.9 \%$ | $(79.6 \%, 87.4 \%)$ |
| Orange County | 51137 | $78.4 \%$ | $(59.6 \%, 90.0 \%)$ | $84.5 \%$ | $(80.9 \%, 87.5 \%)$ |
| Page County | 51139 | $90.7 \%$ | $(69.2 \%, 96.4 \%)$ | $83.5 \%$ | $(79.7 \%, 86.7 \%)$ |
| Rappahannock <br> County | 51157 | $92.2 \%$ | $(51.1 \%, 97.9 \%)$ | $82.4 \%$ | $(79.3 \%, 85.1 \%)$ |
| Rockbridge <br> County | 51163 | $81.2 \%$ | $(65.0 \%, 90.9 \%)$ | $85.7 \%$ | $(82.2 \%, 88.7 \%)$ |
| Rockingham <br> County | 51165 | $69.7 \%$ | $(53.6 \%, 82.1 \%)$ | $78.4 \%$ | $(75.3 \%, 81.2 \%)$ |
| Shenandoah <br> County | 51171 | $80.3 \%$ | $(59.9 \%, 91.7 \%)$ | $83.3 \%$ | $(79.2 \%, 86.8 \%)$ |
| Spotsylvania <br> County | 51177 | $77.0 \%$ | $(67.0 \%, 84.7 \%)$ | $82.4 \%$ | $(79.4 \%, 85.0 \%)$ |
| Stafford <br> County | 51179 | $71.4 \%$ | $(61.0 \%, 79.9 \%)$ | $80.9 \%$ | $(77.2 \%, 84.1 \%)$ |
| Warren <br> County | 51187 | $77.5 \%$ | $(58.6 \%, 89.3 \%)$ | $83.2 \%$ | $(79.1 \%, 86.5 \%)$ |
| Buena Vista <br> City | 51530 | $100.0 \%$ | $(37.1 \%$, <br> $100.0 \%)$ | $86.9 \%$ | $(82.5 \%, 90.3 \%)$ |
| Fredericksburg <br> City | 51630 | $84.3 \%$ | $(64.9 \%, 94.0 \%)$ | $77.1 \%$ | $(73.6 \%, 80.3 \%)$ |
| Harrisonburg <br> City | 51660 | $50.6 \%$ | $(23.5 \%, 77.3 \%)$ | $75.9 \%$ | $(71.1 \%, 80.0 \%)$ |
| Lexington City | 51678 | $100.0 \%$ | $(0.6 \%, 100.0 \%)$ | $81.1 \%$ | $(72.4 \%, 87.5 \%)$ |
| Staunton City | 51790 | $90.5 \%$ | $(56.3 \%, 98.6 \%)$ | $81.3 \%$ | $(76.9 \%, 84.9 \%)$ |
| Waynesboro | 51820 | $88.0 \%$ | $(25.7 \%, 97.9 \%)$ | $79.6 \%$ | $(74.0 \%, 84.3 \%)$ |


| City |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Winchester <br> City | 51840 | $84.2 \%$ | $(52.6 \%, 96.3 \%)$ | $80.8 \%$ | $(76.1 \%, 84.9 \%)$ |


| County name | County FIPS | Direct <br> estimate | Direct 95\% CI | SAE composite | SAE CI |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Albemarle <br> County | 51003 | $76.2 \%$ | $(65.7 \%, 84.3 \%)$ | $80.6 \%$ | $(78.0 \%, 82.9 \%)$ |
| Alleghany <br> County | 51005 | $73.4 \%$ | $(52.6 \%, 87.3 \%)$ | $81.8 \%$ | $(77.4 \%, 85.4 \%)$ |
| Amherst <br> County | 51009 | $80.5 \%$ | $(64.3 \%, 90.5 \%)$ | $84.1 \%$ | $(80.8 \%, 87.0 \%)$ |
| Appomattox <br> County | 51011 | $76.0 \%$ | $(57.1 \%, 88.2 \%)$ | $83.0 \%$ | $(76.4 \%, 88.1 \%)$ |
| Arlington City | 51013 | $79.0 \%$ | $(70.6 \%, 85.5 \%)$ | $79.2 \%$ | $(74.9 \%, 82.9 \%)$ |
| Bedford <br> County | 51019 | $76.4 \%$ | $(65.4 \%, 84.6 \%)$ | $82.8 \%$ | $(79.4 \%, 85.7 \%)$ |
| Botetourt <br> County | 51023 | $86.9 \%$ | $(67.2 \%, 95.5 \%)$ | $83.7 \%$ | $(80.6 \%, 86.4 \%)$ |
| Campbell <br> County | 51031 | $86.5 \%$ | $(75.0 \%, 93.3 \%)$ | $81.7 \%$ | $(77.6 \%, 85.3 \%)$ |
| Craig County | 51045 | $93.9 \%$ | $(45.5 \%, 97.7 \%)$ | $89.4 \%$ | $(80.6 \%, 94.5 \%)$ |
| Fairfax County | 51059 | $73.6 \%$ | $(69.3 \%, 77.5 \%)$ | $31.4 \%$ | $(28.9 \%, 34.1 \%)$ |
| Fluvanna <br> County | 51065 | $83.7 \%$ | $(60.6 \%, 94.5 \%)$ | $82.1 \%$ | $(77.5 \%, 85.9 \%)$ |
| Greene <br> County | 51079 | $88.5 \%$ | $(52.0 \%, 96.1 \%)$ | $82.2 \%$ | $(76.8 \%, 86.6 \%)$ |
| Loudoun <br> County | 51107 | $71.5 \%$ | $(64.2 \%, 77.8 \%)$ | $75.5 \%$ | $(72.3 \%, 78.5 \%)$ |
| Louisa County | 51109 | $72.6 \%$ | $(48.5 \%, 88.2 \%)$ | $84.0 \%$ | $(80.4 \%, 87.1 \%)$ |
| Nelson County | 51125 | $88.3 \%$ | $(50.6 \%, 98.2 \%)$ | $86.0 \%$ | $(82.0 \%, 89.3 \%)$ |
| Prince William <br> County | 51153 | $79.8 \%$ | $(74.2 \%, 84.5 \%)$ | $77.8 \%$ | $(75.2 \%, 80.2 \%)$ |
| Roanoke <br> County | 51161 | $81.8 \%$ | $(72.6 \%, 88.5 \%)$ | $82.6 \%$ | $(79.8 \%, 85.0 \%)$ |
| Alexandria City | 51510 | $64.2 \%$ | $(52.8 \%, 74.2 \%)$ | $77.3 \%$ | $(72.6 \%, 81.4 \%)$ |
| Charlottesville <br> City | 51540 | $75.1 \%$ | $(56.4 \%, 87.5 \%)$ | $77.7 \%$ | $(73.3 \%, 81.7 \%)$ |
| Covington City | 51580 | $100.0 \%$ | $(18.8 \%$, | $82.8 \%$ | $(77.3 \%, 87.2 \%)$ |
| Fairfax City | 51600 | $65.9 \%$ | $(48.0 \%)$ | $79.6 \%)$ | $77.5 \%$ |
| Falls Church <br> City | 51610 | $81.7 \%$ | $(53.5 \%, 94.6 \%)$ | $77.5 \%$ | $(73.4 \%, 81.2 \%)$ |
| Lynchburg City | 51680 | $87.3 \%$ | $(78.6 \%, 92.8 \%)$ | $79.7 \%$ | $(72.9 \%, 81.5 \%)$ |
| Manassas City | 51683 | $67.9 \%$ | $(41.7 \%, 86.2 \%)$ | $74.9 \%$ | $(69.7 \%, 79.4 \%)$ |
| Manassas Park <br> City | 51685 | $70.3 \%$ | $(30.9 \%, 92.6 \%)$ | $72.1 \%$ | $(66.2 \%, 77.3 \%)$ |
| Salem City | 51775 | $57.9 \%$ | $(21.5 \%, 87.4 \%)$ | $80.5 \%$ | $(76.2 \%, 84.2 \%)$ |


| County name | County FIPS | Direct estimate | Direct 95\% CI | SAE composite | SAE CI |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Bland County | 51021 | 100.0\% | $\begin{aligned} & \hline(41.5 \%, \\ & 100.0 \%) \end{aligned}$ | 80.8\% | (76.2\%, 84.6\%) |
| Buchanan County | 51027 | 72.5\% | (46.7\%, 88.8\%) | 81.4\% | (76.9\%, 85.2\%) |
| Carroll County | 51035 | 48.0\% | (25.0\%, 71.9\%) | 84.4\% | (81.3\%, 87.1\%) |
| Dickenson County | 51051 | 67.9\% | (41.4\%, 86.4\%) | 84.1\% | (79.9\%, 87.5\%) |
| Floyd County | 51063 | 78.5\% | (53.8\%, 92.0\%) | 75.4\% | (70.8\%, 79.5\%) |
| Franklin County | 51067 | 79.2\% | (63.0\%, 89.5\%) | 83.5\% | (80.1\%, 86.4\%) |
| Giles County | 51071 | 89.5\% | (48.8\%, 95.9\%) | 81.1\% | (76.9\%, 84.8\%) |
| Grayson County | 51077 | 66.8\% | (38.4\%, 86.7\%) | 83.3\% | (80.0\%, 86.1\%) |
| Henry County | 51089 | 83.6\% | (71.4\%, 91.2\%) | 86.1\% | (83.1\%, 88.6\%) |
| Lee County | 51105 | 90.2\% | (70.4\%, 97.2\%) | 83.2\% | (79.7\%, 86.1\%) |
| Montgomery County | 51121 | 78.0\% | (66.8\%, 86.3\%) | 77.4\% | (74.1\%, 80.4\%) |
| Patrick County | 51141 | 88.6\% | (68.6\%, 96.5\%) | 87.0\% | (83.6\%, 89.8\%) |
| Pittsylvania County | 51143 | 77.7\% | (62.7\%, 87.8\%) | 86.1\% | (83.1\%, 88.6\%) |
| Pulaski County | 51155 | 85.2\% | (72.3\%, 92.7\%) | 80.3\% | (76.9\%, 83.2\%) |
| Russell County | 51167 | 96.5\% | (79.3\%, 98.2\%) | 86.1\% | (82.1\%, 89.3\%) |
| Scott County | 51169 | 80.2\% | (67.2\%, 88.9\%) | 84.5\% | (80.4\%, 87.8\%) |
| Smyth County | 51173 | 85.2\% | (68.7\%, 93.7\%) | 83.8\% | (80.4\%, 86.7\%) |
| Tazewell County | 51185 | 80.6\% | (66.4\%, 89.7\%) | 85.1\% | (81.5\%, 88.1\%) |
| Washington County | 51191 | 78.8\% | (65.3\%, 88.0\%) | 85.2\% | (82.3\%, 87.7\%) |
| Wise County | 51195 | 89.8\% | (75.0\%, 96.3\%) | 86.0\% | (82.3\%, 89.0\%) |
| Wythe County | 51197 | 88.1\% | (73.4\%, 93.6\%) | 84.5\% | (79.8\%, 88.3\%) |
| Bristol City | 51520 | 83.8\% | (35.8\%, 98.0\%) | 84.6\% | (79.6\%, 88.5\%) |
| Danville City | 51590 | 88.3\% | (66.8\%, 96.6\%) | 88.1\% | (83.6\%, 91.6\%) |
| Galax City | 51640 | 100.0\% | (7.8\%, 100.0\%) | 82.8\% | (76.8\%, 87.5\%) |
| Martinsville City | 51690 | 90.0\% | (54.1\%, 98.6\%) | 88.9\% | (81.6\%, 93.5\%) |
| Norton City | 51720 | 100.0\% | (6.0\%, 100.0\%) | 84.7\% | (80.2\%, 88.2\%) |
| Radford City | 51750 | 61.6\% | (36.9\%, 81.4\%) | 75.2\% | (67.3\%, 81.6\%) |
| Roanoke City | 51770 | 67.3\% | (54.3\%, 78.1\%) | 82.7\% | (77.4\%, 87.0\%) |


| County name | County FIPS | Direct estimate | Direct 95\% CI | SAE composite | SAE Cl |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Amelia County | 51007 | 78.6\% | (41.2\%, 95.0\%) | 83.9\% | (79.6\%, 87.5\%) |
| Brunswick County | 51025 | 92.5\% | (68.6\%, 96.0\%) | 84.9\% | (81.5\%, 87.7\%) |
| Buckingham County | 51029 | 79.9\% | (47.5\%, 94.6\%) | 86.1\% | (82.3\%, 89.2\%) |
| Charles City County | 51036 | 94.6\% | (20.0\%, 99.1\%) | 81.9\% | (77.5\%, 85.7\%) |
| Charlotte County | 51037 | 55.4\% | (29.0\%, 79.2\%) | 85.8\% | (82.0\%, 88.9\%) |
| Chesterfield County | 51041 | 80.1\% | (73.5\%, 85.3\%) | 81.8\% | (79.6\%, 83.8\%) |
| Cumberland County | 51049 | 53.0\% | (23.8\%, 80.3\%) | 85.8\% | (82.5\%, 88.6\%) |
| Dinwiddie County | 51053 | 90.7\% | (79.4\%, 96.1\%) | 84.2\% | (80.7\%, 87.2\%) |
| Goochland County | 51075 | 79.6\% | (33.7\%, 96.8\%) | 82.9\% | (79.8\%, 85.6\%) |
| Greensville County | 51081 | 86.1\% | (57.1\%, 94.2\%) | 84.5\% | (78.5\%, 89.0\%) |
| Halifax County | 51083 | 88.1\% | (76.6\%, 93.1\%) | 85.2\% | (81.0\%, 88.6\%) |
| Hanover County | 51085 | 82.8\% | (68.4\%, 91.4\%) | 83.3\% | (80.4\%, 85.9\%) |
| Henrico County | 51087 | 80.1\% | (72.3\%, 86.0\%) | 81.3\% | (78.6\%, 83.7\%) |
| Lunenburg County | 51111 | 63.7\% | (28.5\%, 88.5\%) | 83.9\% | (80.1\%, 87.1\%) |
| Mecklenburg County | 51117 | 84.7\% | (69.1\%, 93.2\%) | 86.8\% | (82.6\%, 90.1\%) |
| New Kent County | 51127 | 89.2\% | (65.4\%, 97.3\%) | 83.0\% | (79.9\%, 85.7\%) |
| Nottoway County | 51135 | 81.0\% | (54.1\%, 93.9\%) | 83.6\% | (79.9\%, 86.8\%) |
| Powhatan County | 51145 | 78.1\% | (43.8\%, 94.2\%) | 81.2\% | (77.0\%, 84.8\%) |
| Prince Edward County | 51147 | 95.2\% | (75.6\%, 99.2\%) | 84.6\% | (81.0\%, 87.7\%) |
| Prince George County | 51149 | 66.6\% | (42.3\%, 84.4\%) | 84.8\% | (81.0\%, 88.0\%) |
| Surry County | 51181 | 82.6\% | (34.2\%, 97.7\%) | 86.1\% | (81.6\%, 89.6\%) |
| Sussex County | 51183 | 71.6\% | (40.5\%, 90.3\%) | 84.2\% | (79.6\%, 87.8\%) |
| Colonial Heights City | 51570 | 82.0\% | (51.3\%, 95.2\%) | 87.9\% | (83.7\%, 91.1\%) |
| Emporia City | 51595 | 79.8\% | (17.2\%, 97.8\%) | 87.6\% | (80.0\%, 92.5\%) |
| Hopewell City | 51670 | 91.4\% | (70.3\%, 97.9\%) | 85.4\% | (81.4\%, 88.8\%) |
| Petersburg | 51730 | 86.4\% | (68.8\%, 94.8\%) | 84.5\% | (79.6\%, 88.5\%) |


| City |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Richmond City | 51760 | $68.3 \%$ | $(57.6 \%, 77.4 \%)$ | $79.8 \%$ | $(76.1 \%, 83.0 \%)$ |


| County name | County FIPS | Direct <br> estimate | Direct 95\% CI | SAE composite | SAE CI |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Accomack <br> County | 51001 | $77.8 \%$ | $(64.6 \%, 87.1 \%)$ | $84.3 \%$ | $(80.0 \%, 87.8 \%)$ |
| Essex County | 51057 | $81.9 \%$ | $(43.9 \%, 96.3 \%)$ | $83.8 \%$ | $(80.2 \%, 86.8 \%)$ |
| Gloucester <br> County | 51073 | $81.5 \%$ | $(68.8 \%, 89.8 \%)$ | $86.0 \%$ | $(82.6 \%, 88.8 \%)$ |
| Isle of Wight <br> County | 51093 | $78.2 \%$ | $(56.0 \%, 91.0 \%)$ | $87.0 \%$ | $(83.5 \%, 89.8 \%)$ |
| James City <br> County | 51095 | $81.6 \%$ | $(68.5 \%, 90.0 \%)$ | $85.0 \%$ | $(80.7 \%, 88.4 \%)$ |
| King and Queen <br> County | 51097 | $91.5 \%$ | $(45.9 \%, 97.8 \%)$ | $83.1 \%$ | $(78.6 \%, 86.8 \%)$ |
| King William <br> County | 51101 | $44.7 \%$ | $(16.5 \%, 76.8 \%)$ | $84.6 \%$ | $(80.2 \%, 88.2 \%)$ |
| Lancaster <br> County | 51103 | $88.4 \%$ | $(71.2 \%, 95.9 \%)$ | $88.2 \%$ | $(81.7 \%, 92.6 \%)$ |
| Mathews <br> County | 51115 | $81.6 \%$ | $(59.8 \%, 93.0 \%)$ | $89.4 \%$ | $(83.6 \%, 93.3 \%)$ |
| Middlesex <br> County | 51119 | $67.7 \%$ | $(31.7 \%, 90.4 \%)$ | $87.2 \%$ | $(81.4 \%, 91.5 \%)$ |
| Northampton <br> County | 51131 | $95.1 \%$ | $(76.0 \%, 97.7 \%)$ | $90.2 \%$ | $(84.2 \%, 94.1 \%)$ |
| Northumberland <br> County | 51133 | $97.5 \%$ | $(78.9 \%, 98.5 \%)$ | $89.8 \%$ | $(82.1 \%, 94.4 \%)$ |
| Richmond <br> County | 51159 | $67.8 \%$ | $(48.0 \%, 82.8 \%)$ | $82.7 \%$ | $(78.7 \%, 86.1 \%)$ |
| Southampton <br> County | 51175 | $77.4 \%$ | $(56.3 \%, 90.1 \%)$ | $84.5 \%$ | $(80.6 \%, 87.7 \%)$ |
| Westmoreland <br> County | 51193 | $73.8 \%$ | $(49.5 \%, 89.0 \%)$ | $86.5 \%$ | $(81.9 \%, 90.1 \%)$ |
| York County | 51199 | $80.4 \%$ | $(66.2 \%, 89.5 \%)$ | $83.2 \%$ | $(79.8 \%, 86.1 \%)$ |
| Chesapeake City | 51550 | $82.1 \%$ | $(75.5 \%, 87.2 \%)$ | $82.8 \%$ | $(80.4 \%, 85.1 \%)$ |
| Franklin City | 51620 | $82.3 \%$ | $(45.9 \%, 96.2 \%)$ | $83.9 \%$ | $(80.2 \%, 87.0 \%)$ |
| Hampton City | 51650 | $80.0 \%$ | $(71.1 \%, 86.6 \%)$ | $85.2 \%$ | $(81.6 \%, 88.1 \%)$ |
| Newport News <br> City | 51700 | $76.1 \%$ | $(66.9 \%, 83.4 \%)$ | $83.1 \%$ | $(79.9 \%, 85.9 \%)$ |
| Norfolk City | 51710 | $78.9 \%$ | $(71.8 \%, 84.6 \%)$ | $78.8 \%$ | $(76.2 \%, 81.2 \%)$ |
| Poquoson City | 51735 | $81.7 \%$ | $(42.3 \%, 95.5 \%)$ | $86.6 \%$ | $(79.4 \%, 91.5 \%)$ |
| Portsmouth City | 51740 | $81.8 \%$ | $(71.6 \%, 89.0 \%)$ | $83.9 \%$ | $(79.9 \%, 87.2 \%)$ |
| Suffolk City | 51800 | $84.2 \%$ | $(73.0 \%, 91.4 \%)$ | $85.8 \%$ | $(82.0 \%, 88.9 \%)$ |
| Virginia Beach <br> City | 51810 | $78.1 \%$ | $(71.7 \%, 83.4 \%)$ | $81.4 \%$ | $(79.2 \%, 83.3 \%)$ |
| Williamsburg <br> City | 51830 | $94.3 \%$ | $(54.8 \%, 98.1 \%)$ | $82.8 \%$ | $(78.8 \%, 86.1 \%)$ |
|  |  |  |  |  |  |

# Routine Checkup Central Shenandoah and Lord Fairfax HDs 



Text at right: 2-sided 95\% LCB | Point Estimate | 2-sided 95\% UCB Gray markers: 95\% confidence interval


Text at right: 2-sided 95\% LCB | Point Estimate | 2-sided 95\% UCB Gray markers: 95\% confidence interval

## Routine Checkup <br> Cumberland Plateau and Lenowisco HDs



Text at right: 2-sided 95\% LCB | Point Estimate | 2-sided 95\% UCB Gray markers: 95\% confidence interval

## Routine Checkup <br> Pittsylvania/Danville, Southside and West Piedmont HDs



## Routine Checkup New River and Mount Rogers HDs



Text at right: 2-sided 95\% LCB | Point Estimate | 2-sided 95\% UCB Gray markers: 95\% confidence interval


Text at right: 2-sided 95\% LCB | Point Estimate | 2-sided 95\% UCB Gray markers: $95 \%$ confidence interval

## Routine Checkup Crater, Peninsula and Hampton HDs



Text at right: 2-sided 95\% LCB | Point Estimate | 2-sided 95\% UCB
Gray markers: $95 \%$ confidence interval

## Routine Checkup Eastern Shore and Three Rivers HDs



Text at right: 2-sided 95\% LCB | Point Estimate | 2-sided 95\% UCB Gray markers: $95 \%$ confidence interval



Text at right: 2-sided 95\% LCB | Point Estimate | 2-sided 95\% UCB Gray markers: $95 \%$ confidence interval

## Routine Checkup Thomas Jefferson and Piedmont HDs



Text at right: 2-sided 95\% LCB | Point Estimate | 2-sided 95\% UCB Gray markers: 95\% confidence interval

## Routine Checkup <br> Alexandria, Fairfax, Arlington, Loudon, Prince William HDs



Text at right: 2-sided 95\% LCB | Point Estimate | 2-sided 95\% UCB Gray markers: 95\% confidence interval

## Additional diagnostics

Direct estimate is inside the 95\% SAE Wilson CI: 42 areas.

Direct estimate is outside the 95\% SAE Wilson CI: 91 areas.

SAE estimate is inside the $95 \%$ direct Wilson $\mathrm{Cl}: 122$ areas.

SAE estimate is outside the $95 \%$ direct $\mathrm{Wilson} \mathrm{CI}: 11$ areas.

SAE Wilson $95 \% \mathrm{Cl}$ is fully inside the $95 \%$ direct Wilson Cl : 106 areas.

SAE Wilson $95 \%$ CI partially overlaps with the $95 \%$ direct Wilson $\mathrm{Cl}: 27$ areas.
SAE Wilson $95 \% \mathrm{Cl}$ and the $95 \%$ direct Wilson Cl do not overlap: 0 areas.

SAE standard error is less that the direct standard error: 126 areas.

SAE standard error is greater that the (nonzero) direct standard error: 1 areas.

Direct standard error is zero: 6 areas.

Proportion of SAE variance due to ACS sampling error: $\min =10.34 \% ;$ med $=49.38 \% ; \max =82.20 \%$.
Proportion of SAE variance due to sampling error in regression coefficient estimates: $\min =14.95 \%$; med $=45.67 \%$; $\max =87.20 \%$.

Proportion of SAE variance due to model selection: $\min =0.06 \% ; \operatorname{med}=2.04 \% ; \max =35.48 \%$.

Proportion of SAE variance due to area random effects: <identically zero>

