Indicator 6: Do you have one person you think of as your personal doctor or health care provider?

Internal variable name: outc6_doctor_person

Section 1: Definition

Definition: Do you have one person you think of as your personal doctor or health care provider? (If "No" ask "Is there more than one or is there no person who you think of as your personal doctor or health care provider?".)

Section 2: Predictive models

	Mixed, demos only	Logit, no area effects	Mixed with area covariates
	b/se	b/se	b/se
Outcome 6: Do you have one person you think of as your personal doctor or health care provider			
Non-Hispanic Black vs. Non-Hispanic White	-0.0268 (0.1194)	0.0048 (0.1196)	0.0048 (0.1229)
Non-Hispanic Asian vs. Non-Hispanic White	0.2634 (0.2577)	0.2962 (0.2110)	0.2962 (0.2858)
Non-Hispanic Other vs. Non-Hispanic White	-0.2619 (0.1650)	-0.2387 (0.1828)	-0.2387 (0.1713)
Hispanic vs. Non-Hispanic White	-0.7004*** (0.1640)	-0.6865*** (0.1616)	-0.6865*** (0.1602)
Female	0.5422*** (0.0936)	0.5385*** (0.0804)	0.5385*** (0.0931)
Age 18-24 vs. 65+	-2.4585*** (0.1313)	-2.4193*** (0.1526)	-2.4193*** (0.1317)
Age 25-34 vs. 65+	-2.2017*** (0.1083)	-2.1742*** (0.1308)	-2.1742*** (0.1100)
Age 35-44 vs. 65+	-1.4844*** (0.1284)	-1.4777*** (0.1338)	-1.4777*** (0.1283)
Age 45-54 vs. 65+	-0.9172*** (0.1166)	-0.9254*** (0.1355)	-0.9254*** (0.1152)
Age 55-64 vs. 65+	-0.5058*** (0.1228)	-0.5086*** (0.1366)	-0.5086*** (0.1236)
% education below High School, population 25+ years old		0.0295* (0.0132)	0.0295* (0.0120)
% below 1.5x poverty line		-0.0266***	-0.0266***

		(0.0077)	(0.0060)
% speaking English less than very well		-0.0342**	-0.0342***
		(0.0121)	(0.0101)
Stomach Cancer Female Rate		0.0447***	0.0447***
		(0.0131)	(0.0115)
Asthma hospitalization rate per 1,000		-0.2383*	-0.2383**
		(0.0933)	(0.0748)
% Non-Hispanic minority among adults 18 to 64		0.0071	0.0071*
		(0.0039)	(0.0029)
% age 75+		2.1833	2.1833
		(2.7976)	(2.3172)
{% Non-Hispanic minority among adults 18 to 64} interacted with {% age 75+}		-0.0318	-0.0318
		(0.0870)	(0.0569)
Households without phone service		-0.0134	-0.0134
		(0.0367)	(0.0310)
Uterus Cancer Female Rate		0.0088	0.0088
		(0.0058)	(0.0047)
{Households without phone service } interacted with {Uterus Cancer Female Rate}		-0.0001	-0.0001
		(0.0014)	(0.0013)
Intercept	2.3611***	2.3932***	2.3932***
	(0.1060)	(0.2159)	(0.1951)
Area effect variance	0.0206		0.0000
	(0.0164)		(0.0000)

Number of alternative models used to estimate model error = 1.

Section 3: Results

County name	County FIPS	Direct estimate	Direct 95% CI	SAE composite	SAE 95% CI
Augusta County	51015	75.4%	(66.1%, 82.9%)	81.4%	(77.9%, 84.5%)
Bath County	51017	75.5%	(40.8%, 93.3%)	87.5%	(73.6%, 94.7%)
Caroline County	51033	76.1%	(48.6%, 91.5%)	77.6%	(74.4%, 80.5%)
Clarke County	51043	84.0%	(59.4%, 95.0%)	82.5%	(77.7%, 86.4%)
Culpeper County	51047	71.9%	(55.1%, 84.2%)	81.3%	(78.0%, 84.1%)
Fauquier County	51061	76.9%	(62.7%, 86.8%)	76.9%	(73.6%, 79.9%)
Frederick County	51069	68.7%	(56.1%, 79.0%)	76.7%	(73.0%, 80.0%)
Highland County	51091	100.0%	(16.8%, 100.0%)	95.8%	(76.2%, 99.4%)
King George County	51099	85.6%	(60.7%, 95.8%)	75.4%	(71.2%, 79.1%)
Madison County	51113	76.3%	(56.3%, 88.9%)	78.3%	(74.6%, 81.5%)
Orange County	51137	68.6%	(46.4%, 84.7%)	82.6%	(79.2%, 85.6%)
Page County	51139	87.0%	(56.3%, 97.2%)	75.9%	(71.7%, 79.7%)
Rappahannock County	51157	86.2%	(62.1%, 96.0%)	80.3%	(74.1%, 85.2%)
Rockbridge County	51163	92.0%	(77.3%, 97.5%)	84.2%	(80.4%, 87.4%)
Rockingham County	51165	81.6%	(71.0%, 89.0%)	79.8%	(75.7%, 83.4%)
Shenandoah County	51171	67.7%	(50.4%, 81.3%)	75.8%	(72.2%, 79.1%)
Spotsylvania County	51177	70.9%	(56.8%, 81.8%)	76.7%	(73.7%, 79.4%)
Stafford County	51179	76.9%	(66.4%, 84.8%)	76.8%	(73.3%, 79.9%)
Warren County	51187	90.0%	(72.0%, 96.9%)	78.7%	(75.3%, 81.7%)
Buena Vista City	51530	100.0%	(10.4%, 100.0%)	83.7%	(67.2%, 92.8%)
Fredericksburg City	51630	56.5%	(32.5%, 77.8%)	73.0%	(66.8%, 78.4%)
Harrisonburg City	51660	48.8%	(20.7%, 77.6%)	62.4%	(54.6%, 69.6%)
Lexington City	51678	100.0%	(0.6%, 100.0%)	83.7%	(77.6%, 88.5%)
Staunton City	51790	100.0%	(57.8%, 100.0%)	87.4%	(81.7%, 91.6%)
Waynesboro City	51820	88.1%	(60.1%, 97.3%)	80.8%	(76.0%, 84.9%)
Winchester City	51840	49.8%	(25.6%, 74.0%)	69.4%	(65.3%, 73.2%)

County name	County FIPS	Direct estimate	Direct 95% CI	SAE composite	SAE 95% CI
Albemarle County	51003	82.9%	(73.0%, 89.7%)	75.9%	(72.4%, 79.0%)
Alleghany County	51005	67.2%	(47.5%, 82.2%)	73.6%	(69.4%, 77.4%)
Amherst County	51009	90.4%	(74.0%, 96.9%)	86.2%	(82.3%, 89.4%)
Appomattox County	51011	82.8%	(54.3%, 95.1%)	83.5%	(78.1%, 87.8%)
Arlington City	51013	63.7%	(52.6%, 73.5%)	70.6%	(67.3%, 73.7%)
Bedford County	51019	76.5%	(61.9%, 86.7%)	78.5%	(75.4%, 81.3%)
Botetourt County	51023	91.7%	(81.4%, 96.6%)	88.8%	(84.2%, 92.3%)
Campbell County	51031	80.7%	(63.6%, 90.9%)	75.8%	(72.4%, 78.8%)
Craig County	51045	78.1%	(18.2%, 96.6%)	90.8%	(82.6%, 95.4%)
Fairfax County	51059	74.0%	(68.0%, 79.1%)	67.0%	(64.8%, 69.1%)
Fluvanna County	51065	83.3%	(50.9%, 96.0%)	84.3%	(80.2%, 87.7%)
Greene County	51079	84.4%	(59.1%, 95.3%)	75.4%	(71.8%, 78.6%)
Loudoun County	51107	72.6%	(64.6%, 79.4%)	78.1%	(75.7%, 80.3%)
Louisa County	51109	81.8%	(59.7%, 93.2%)	79.0%	(75.7%, 81.9%)
Nelson County	51125	91.6%	(72.4%, 97.9%)	85.3%	(80.9%, 88.8%)
Prince William County	51153	77.3%	(70.7%, 82.7%)	74.2%	(71.2%, 76.9%)
Roanoke County	51161	76.0%	(64.6%, 84.6%)	79.0%	(76.0%, 81.7%)
Alexandria City	51510	77.2%	(64.4%, 86.3%)	71.1%	(67.0%, 74.9%)
Charlottesville City	51540	69.6%	(39.8%, 88.8%)	66.1%	(60.3%, 71.4%)
Covington City	51580	100.0%	(0.6%, 100.0%)	73.2%	(65.1%, 80.0%)
Fairfax City	51600	64.8%	(53.2%, 74.9%)	69.9%	(66.5%, 73.0%)
Falls Church City	51610	70.2%	(21.7%, 95.2%)	78.8%	(74.0%, 82.9%)
Lynchburg City	51680	67.5%	(48.9%, 81.8%)	69.4%	(65.3%, 73.3%)
Manassas City	51683	88.2%	(49.8%, 98.3%)	66.3%	(60.2%, 71.9%)
Manassas Park City	51685	100.0%	(3.2%, 100.0%)	72.8%	(63.0%, 80.8%)
Salem City	51775	58.5%	(15.7%, 91.4%)	73.9%	(70.2%, 77.3%)

County name	County FIPS	Direct estimate	Direct 95% CI	SAE composite	SAE 95% CI
Bland County	51021	77.6%	(27.0%, 97.0%)	82.0%	(76.2%, 86.6%)
Buchanan County	51027	77.1%	(60.0%, 88.3%)	79.4%	(74.1%, 83.8%)
Carroll County	51035	83.8%	(67.6%, 92.8%)	75.1%	(70.5%, 79.2%)
Dickenson County	51051	85.2%	(67.1%, 94.3%)	82.8%	(77.1%, 87.3%)
Floyd County	51063	78.3%	(50.7%, 92.7%)	69.8%	(65.4%, 73.9%)
Franklin County	51067	95.3%	(78.5%, 99.1%)	82.4%	(79.2%, 85.2%)
Giles County	51071	75.9%	(45.1%, 92.4%)	77.1%	(71.9%, 81.5%)
Grayson County	51077	66.7%	(38.4%, 86.5%)	76.6%	(71.7%, 80.9%)
Henry County	51089	75.7%	(59.1%, 87.1%)	79.4%	(76.0%, 82.4%)
Lee County	51105	65.7%	(44.3%, 82.1%)	75.5%	(70.5%, 79.9%)
Montgomery County	51121	74.2%	(60.2%, 84.6%)	67.1%	(60.9%, 72.8%)
Patrick County	51141	73.8%	(50.3%, 88.7%)	79.1%	(74.8%, 82.8%)
Pittsylvania County	51143	84.8%	(74.6%, 91.4%)	81.5%	(78.3%, 84.3%)
Pulaski County	51155	88.8%	(73.1%, 95.9%)	68.9%	(64.9%, 72.5%)
Russell County	51167	59.1%	(40.3%, 75.6%)	69.9%	(64.2%, 75.1%)
Scott County	51169	94.5%	(84.9%, 98.1%)	85.0%	(80.5%, 88.6%)
Smyth County	51173	72.1%	(53.3%, 85.3%)	77.2%	(73.8%, 80.2%)
Tazewell County	51185	72.7%	(57.7%, 83.9%)	77.7%	(73.6%, 81.3%)
Washington County	51191	79.8%	(65.6%, 89.1%)	79.4%	(76.1%, 82.3%)
Wise County	51195	92.6%	(82.9%, 96.9%)	87.6%	(81.9%, 91.7%)
Wythe County	51197	83.5%	(67.8%, 92.3%)	82.3%	(77.8%, 86.1%)
Bristol City	51520	67.2%	(29.2%, 91.0%)	80.2%	(75.8%, 84.0%)
Danville City	51590	61.2%	(37.1%, 80.9%)	81.6%	(77.3%, 85.3%)
Galax City	51640	100.0%	(29.1%, 100.0%)	88.0%	(77.9%, 93.8%)
Martinsville City	51690	49.7%	(15.3%, 84.3%)	73.7%	(69.8%, 77.3%)
Norton City	51720	84.3%	(23.1%, 97.8%)	74.0%	(65.4%, 81.2%)
Radford City	51750	32.1%	(7.8%, 72.7%)	50.3%	(41.0%, 59.5%)
Roanoke City	51770	70.0%	(58.0%, 79.7%)	70.2%	(66.9%, 73.3%)

County name	County FIPS	Direct estimate	Direct 95% CI	SAE composite	SAE 95% CI
Amelia County	51007	96.0%	(72.8%, 97.7%)	81.6%	(76.7%, 85.7%)
Brunswick County	51025	86.8%	(63.0%, 96.2%)	82.3%	(76.5%, 86.9%)
Buckingham County	51029	89.1%	(75.5%, 95.6%)	79.5%	(74.2%, 83.9%)
Charles City County	51036	100.0%	(62.6%, 100.0%)	85.5%	(80.2%, 89.5%)
Charlotte County	51037	100.0%	(70.4%, 100.0%)	79.9%	(76.2%, 83.1%)
Chesterfield County	51041	80.1%	(72.8%, 85.8%)	78.2%	(75.8%, 80.4%)
Cumberland County	51049	75.4%	(44.0%, 92.3%)	79.8%	(76.2%, 83.0%)
Dinwiddie County	51053	80.6%	(52.6%, 94.0%)	78.0%	(71.9%, 83.0%)
Goochland County	51075	93.2%	(76.6%, 98.3%)	87.3%	(83.7%, 90.2%)
Greensville County	51081	70.5%	(26.3%, 94.1%)	72.4%	(67.2%, 77.2%)
Halifax County	51083	81.3%	(66.2%, 90.7%)	78.6%	(75.0%, 81.7%)
Hanover County	51085	80.8%	(68.9%, 88.9%)	82.6%	(79.5%, 85.2%)
Henrico County	51087	74.8%	(67.7%, 80.8%)	76.9%	(74.7%, 79.1%)
Lunenburg County	51111	70.4%	(37.7%, 90.4%)	80.7%	(75.9%, 84.7%)
Mecklenburg County	51117	75.5%	(57.1%, 87.6%)	80.2%	(74.9%, 84.7%)
New Kent County	51127	96.7%	(74.1%, 98.7%)	81.8%	(78.5%, 84.6%)
Nottoway County	51135	66.2%	(34.9%, 87.7%)	75.2%	(71.7%, 78.4%)
Powhatan County	51145	100.0%	(67.2%, 100.0%)	82.6%	(79.1%, 85.6%)
Prince Edward County	51147	82.0%	(50.4%, 95.3%)	82.0%	(78.1%, 85.4%)
Prince George County	51149	69.9%	(47.3%, 85.7%)	77.8%	(72.5%, 82.4%)
Surry County	51181	78.2%	(33.6%, 96.2%)	79.1%	(73.1%, 84.1%)
Sussex County	51183	75.0%	(38.1%, 93.6%)	78.0%	(71.7%, 83.2%)
Colonial Heights City	51570	61.5%	(25.5%, 88.2%)	69.4%	(62.7%, 75.4%)
Emporia City	51595	68.9%	(13.7%, 96.9%)	64.9%	(48.0%, 78.8%)
Hopewell City	51670	50.0%	(24.9%, 75.0%)	66.9%	(43.4%, 84.2%)
Petersburg City	51730	60.2%	(41.5%, 76.3%)	66.0%	(58.0%, 73.2%)
Richmond City	51760	66.3%	(57.1%, 74.5%)	64.7%	(60.6%, 68.6%)

County name	County FIPS	Direct estimate	Direct 95% CI	SAE composite	SAE 95% CI
Accomack County	51001	75.2%	(53.9%, 88.8%)	76.4%	(72.9%, 79.5%)
Essex County	51057	86.5%	(45.4%, 98.0%)	89.2%	(82.7%, 93.4%)
Gloucester County	51073	77.4%	(56.9%, 89.8%)	83.5%	(80.2%, 86.3%)
Isle of Wight County	51093	96.6%	(87.3%, 99.2%)	83.7%	(80.6%, 86.4%)
James City County	51095	76.5%	(62.6%, 86.3%)	77.9%	(74.2%, 81.1%)
King and Queen County	51097	67.1%	(14.6%, 96.1%)	79.9%	(76.0%, 83.3%)
King William County	51101	83.3%	(55.1%, 95.3%)	82.9%	(78.9%, 86.2%)
Lancaster County	51103	98.5%	(73.1%, 99.1%)	84.3%	(78.9%, 88.6%)
Mathews County	51115	84.6%	(62.0%, 94.9%)	84.8%	(78.7%, 89.4%)
Middlesex County	51119	67.3%	(23.9%, 93.1%)	80.7%	(76.0%, 84.7%)
Northampton County	51131	89.0%	(71.5%, 96.3%)	76.1%	(71.9%, 79.8%)
Northumberland County	51133	98.4%	(76.6%, 99.1%)	87.1%	(82.2%, 90.7%)
Richmond County	51159	77.4%	(57.7%, 89.6%)	84.9%	(80.0%, 88.7%)
Southampton County	51175	84.8%	(64.7%, 94.4%)	84.0%	(79.6%, 87.5%)
Westmoreland County	51193	81.1%	(53.1%, 94.2%)	75.7%	(72.0%, 79.1%)
York County	51199	77.8%	(62.5%, 88.0%)	78.3%	(74.8%, 81.5%)
Chesapeake City	51550	81.7%	(74.0%, 87.6%)	79.3%	(76.4%, 81.9%)
Franklin City	51620	76.0%	(52.6%, 90.0%)	69.8%	(63.2%, 75.7%)
Hampton City	51650	76.0%	(65.0%, 84.3%)	77.5%	(73.7%, 80.9%)
Newport News City	51700	69.6%	(58.3%, 79.0%)	72.7%	(69.6%, 75.5%)
Norfolk City	51710	69.3%	(59.7%, 77.5%)	68.5%	(65.4%, 71.5%)
Poquoson City	51735	82.8%	(38.5%, 97.4%)	87.4%	(82.9%, 90.9%)
Portsmouth City	51740	76.1%	(62.6%, 85.9%)	76.1%	(72.2%, 79.7%)
Suffolk City	51800	83.0%	(69.2%, 91.4%)	80.2%	(76.8%, 83.1%)
Virginia Beach City	51810	81.2%	(74.6%, 86.4%)	75.4%	(72.7%, 78.0%)
Williamsburg City	51830	86.0%	(40.7%, 98.2%)	79.7%	(73.6%, 84.7%)

Section 4: Graphical representation

Has personal doctor / health care provider
Pittsylvania/Danville, Southside and West Piedmont HDs
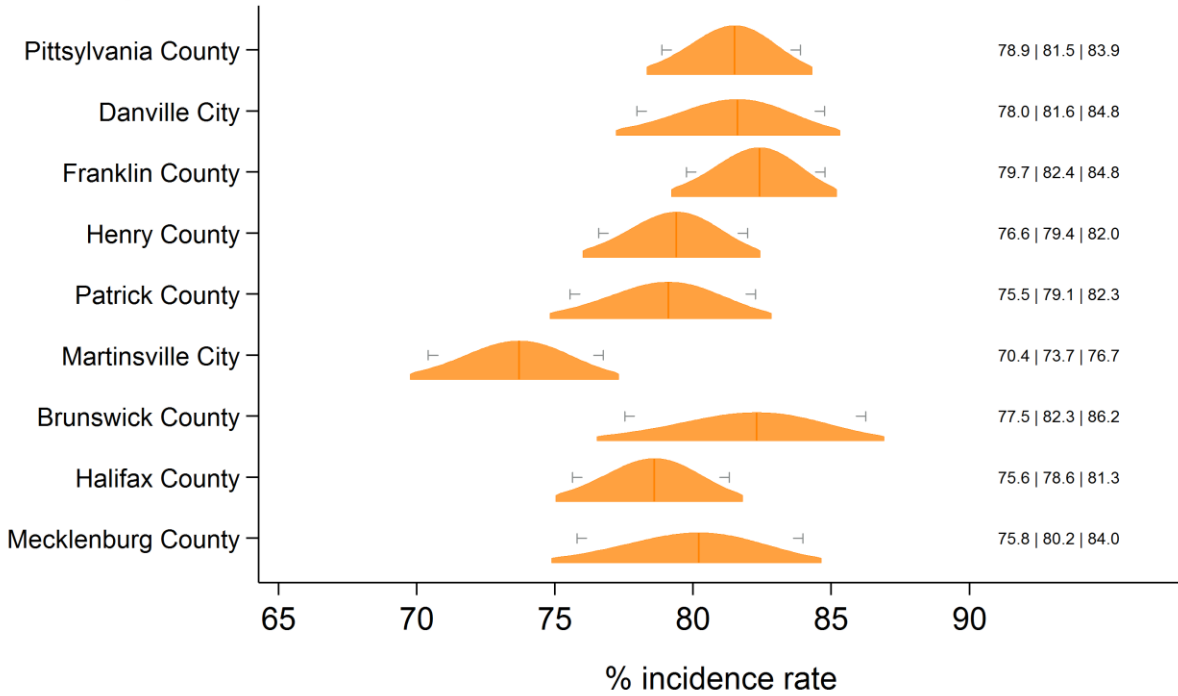
County	95% LCB	Point Estimate	95% UCB
Pittsylvania County	78.9	81.5	83.9
Danville City	78.0	81.6	84.8
Franklin County	79.7	82.4	84.8
Henry County	76.6	79.4	82.0
Patrick County	75.5	79.1	82.3
Martinsville City	70.4	73.7	76.7
Brunswick County	77.5	82.3	86.2
Halifax County	75.6	78.6	81.3
Mecklenburg County	75.8	80.2	84.0

% incidence rate

Text at right: 1-sided 95% LCB | Point Estimate | 1-sided 95% UCB
Gray markers: 90% confidence interval

Has personal doctor / health care provider
New River and Mount Rogers HDs
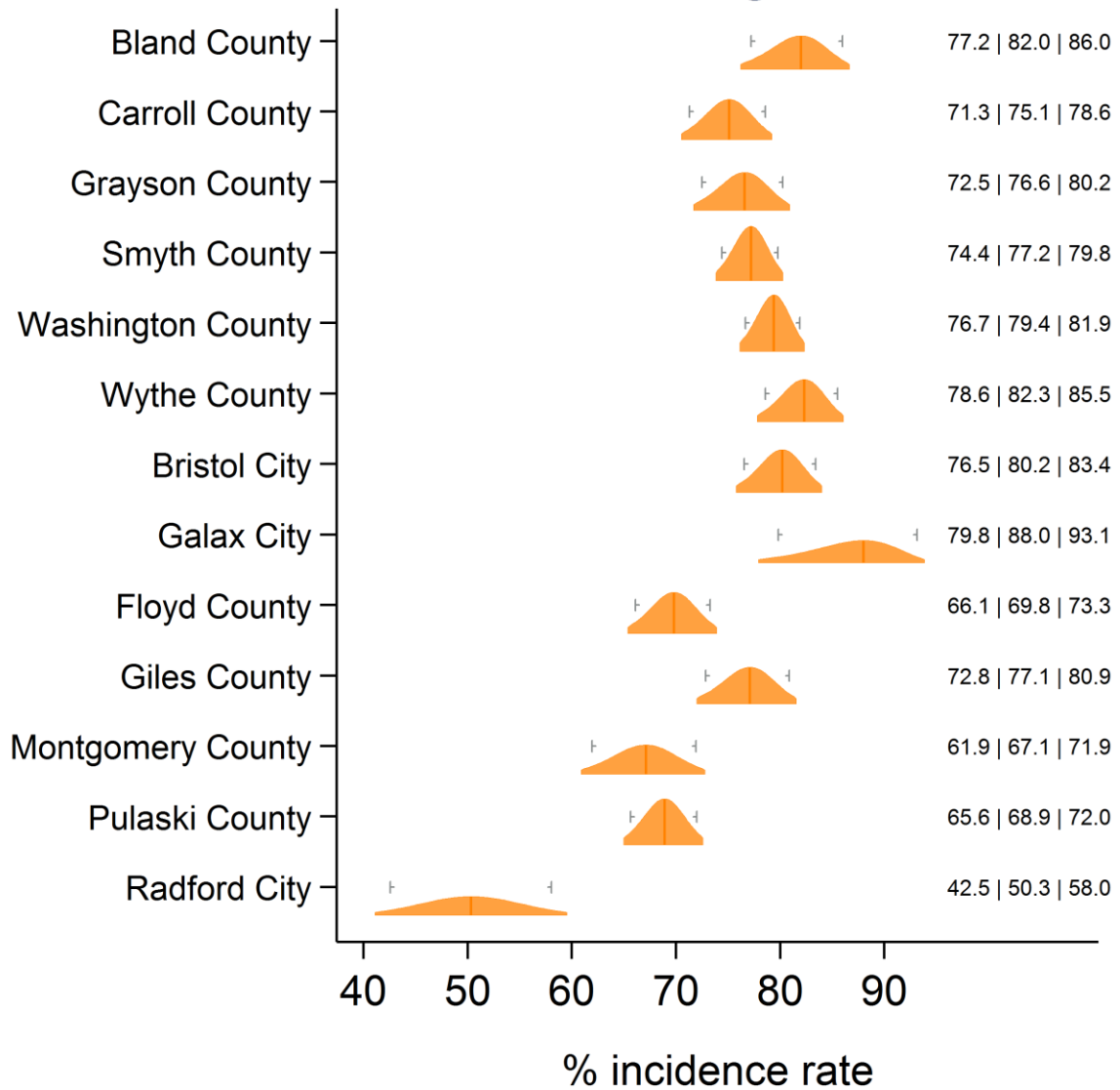
County	1-sided 95% LCB	Point Estimate	1-sided 95% UCB
Bland County	77.2	82.0	86.0
Carroll County	71.3	75.1	78.6
Grayson County	72.5	76.6	80.2
Smyth County	74.4	77.2	79.8
Washington County	76.7	79.4	81.9
Wythe County	78.6	82.3	85.5
Bristol City	76.5	80.2	83.4
Galax City	79.8	88.0	93.1
Floyd County	66.1	69.8	73.3
Giles County	72.8	77.1	80.9
Montgomery County	61.9	67.1	71.9
Pulaski County	65.6	68.9	72.0
Radford City	42.5	50.3	58.0

% incidence rate

Text at right: 1-sided 95% LCB | Point Estimate | 1-sided 95% UCB
Gray markers: 90% confidence interval

Has personal doctor / health care provider
Rappahannock/Rapidan and Rappahannock HDs
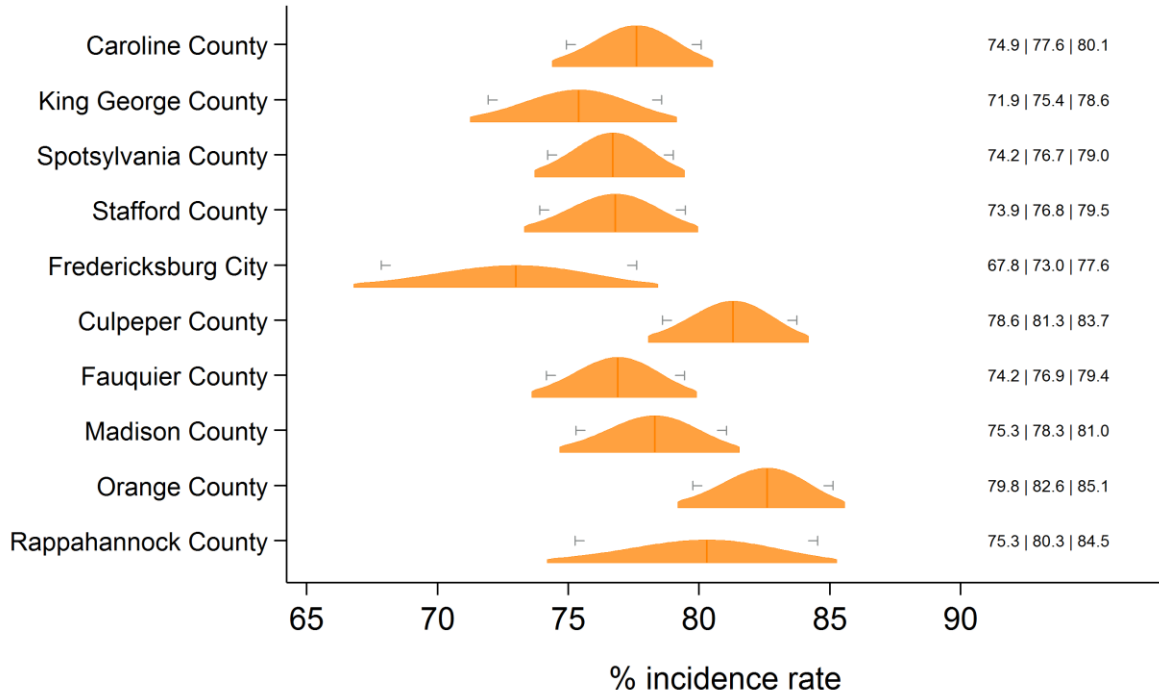
County	1-sided 95% LCB | Point Estimate | 1-sided 95% UCB
Caroline County	74.9 | 77.6 | 80.1
King George County	71.9 | 75.4 | 78.6
Spotsylvania County	74.2 | 76.7 | 79.0
Stafford County	73.9 | 76.8 | 79.5
Fredericksburg City	67.8 | 73.0 | 77.6
Culpeper County	78.6 | 81.3 | 83.7
Fauquier County	74.2 | 76.9 | 79.4
Madison County	75.3 | 78.3 | 81.0
Orange County	79.8 | 82.6 | 85.1
Rappahannock County	75.3 | 80.3 | 84.5

% incidence rate

Text at right: 1-sided 95% LCB | Point Estimate | 1-sided 95% UCB
Gray markers: 90% confidence interval

Has personal doctor / health care provider
Alexandria, Fairfax, Arlington, Loudon, Prince William HDs

	1-sided 95% LCB	Point Estimate	1-sided 95% UCB
Alexandria City	67.7	71.1	74.3
Arlington City	67.8	70.6	73.2
Fairfax County	65.2	67.0	68.8
Fairfax City	67.1	69.9	72.6
Falls Church City	74.8	78.8	82.3
Loudoun County	76.1	78.1	79.9
Prince William County	71.7	74.2	76.5
Manassas City	61.2	66.3	71.0
Manassas Park City	64.7	72.8	79.7

% incidence rate

Text at right: 1-sided 95% LCB | Point Estimate | 1-sided 95% UCB
Gray markers: 90% confidence interval

Has personal doctor / health care provider Eastern Shore and Three Rivers HDs
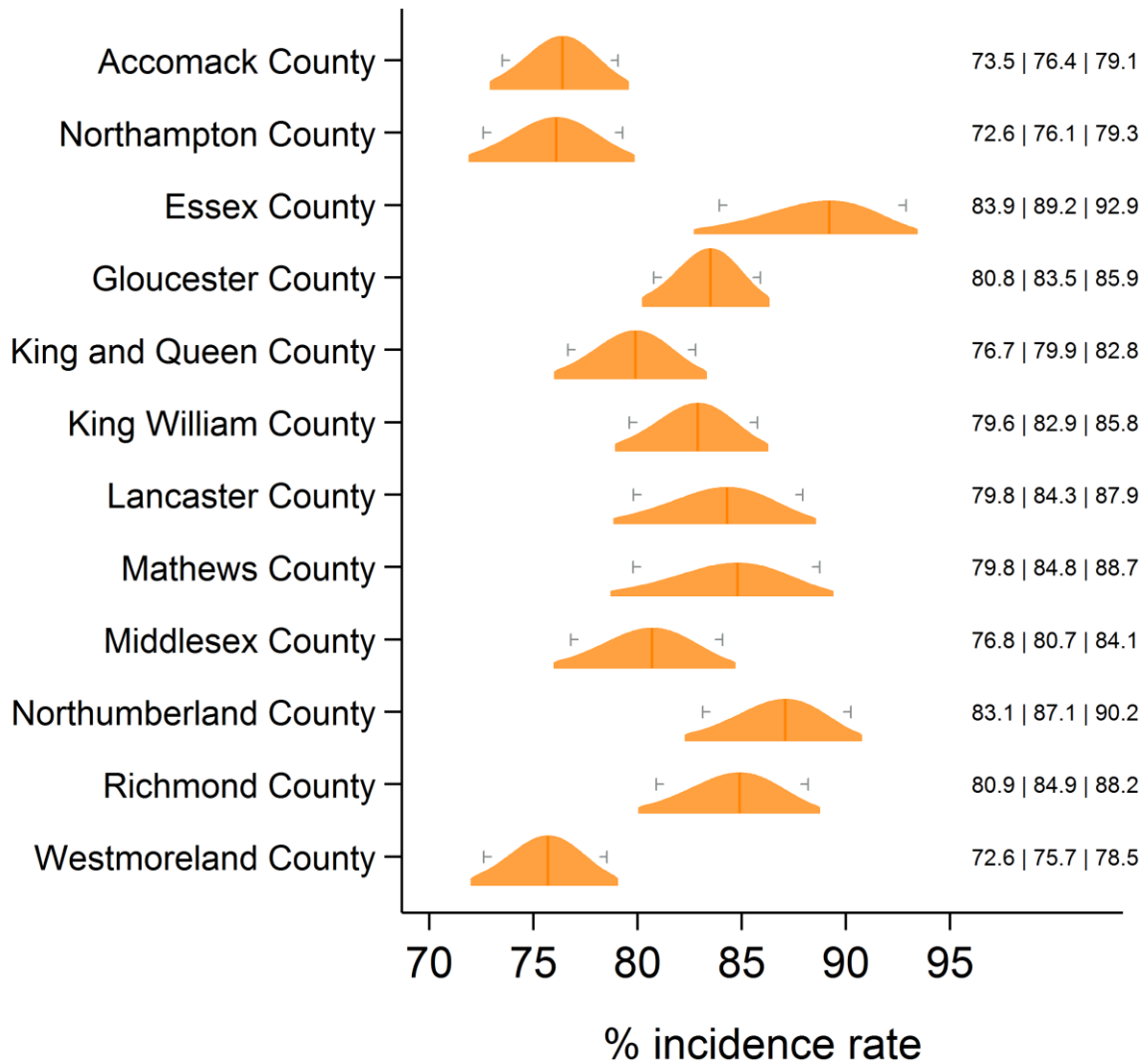
County	LCB | Point | UCB
Accomack County	73.5 | 76.4 | 79.1
Northampton County	72.6 | 76.1 | 79.3
Essex County	83.9 | 89.2 | 92.9
Gloucester County	80.8 | 83.5 | 85.9
King and Queen County	76.7 | 79.9 | 82.8
King William County	79.6 | 82.9 | 85.8
Lancaster County	79.8 | 84.3 | 87.9
Mathews County	79.8 | 84.8 | 88.7
Middlesex County	76.8 | 80.7 | 84.1
Northumberland County	83.1 | 87.1 | 90.2
Richmond County	80.9 | 84.9 | 88.2
Westmoreland County	72.6 | 75.7 | 78.5

% incidence rate

Text at right: 1-sided 95% LCB | Point Estimate | 1-sided 95% UCB
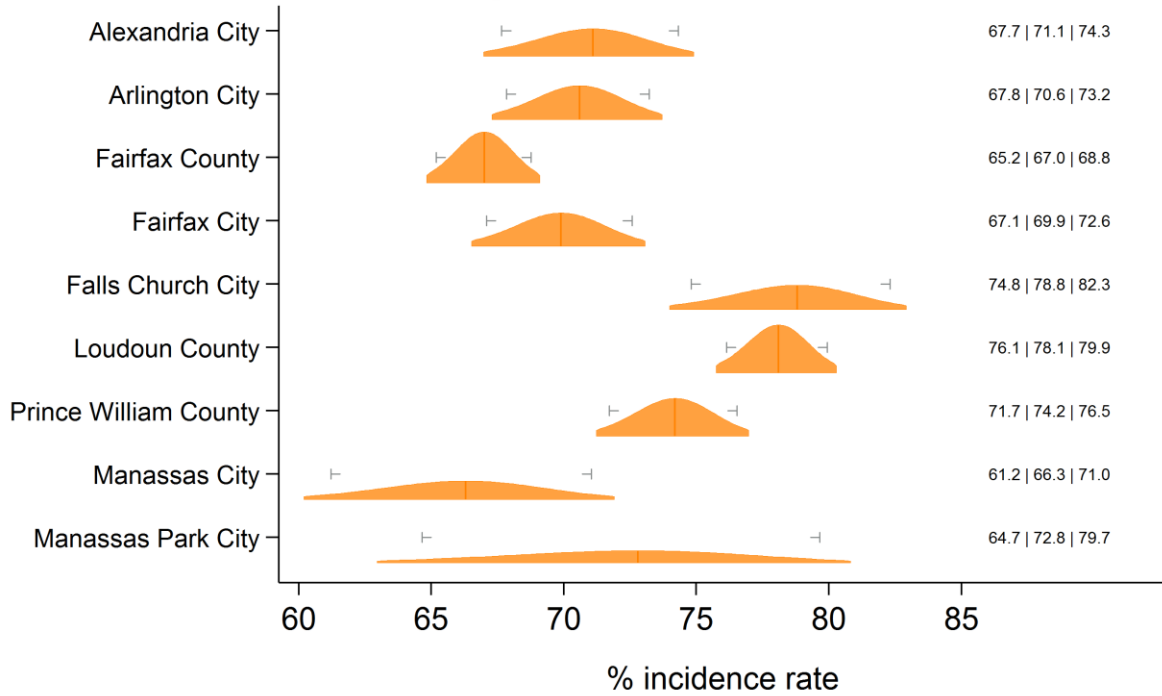Gray markers: 90% confidence interval

Has personal doctor / health care provider
Thomas Jefferson and Piedmont HDs
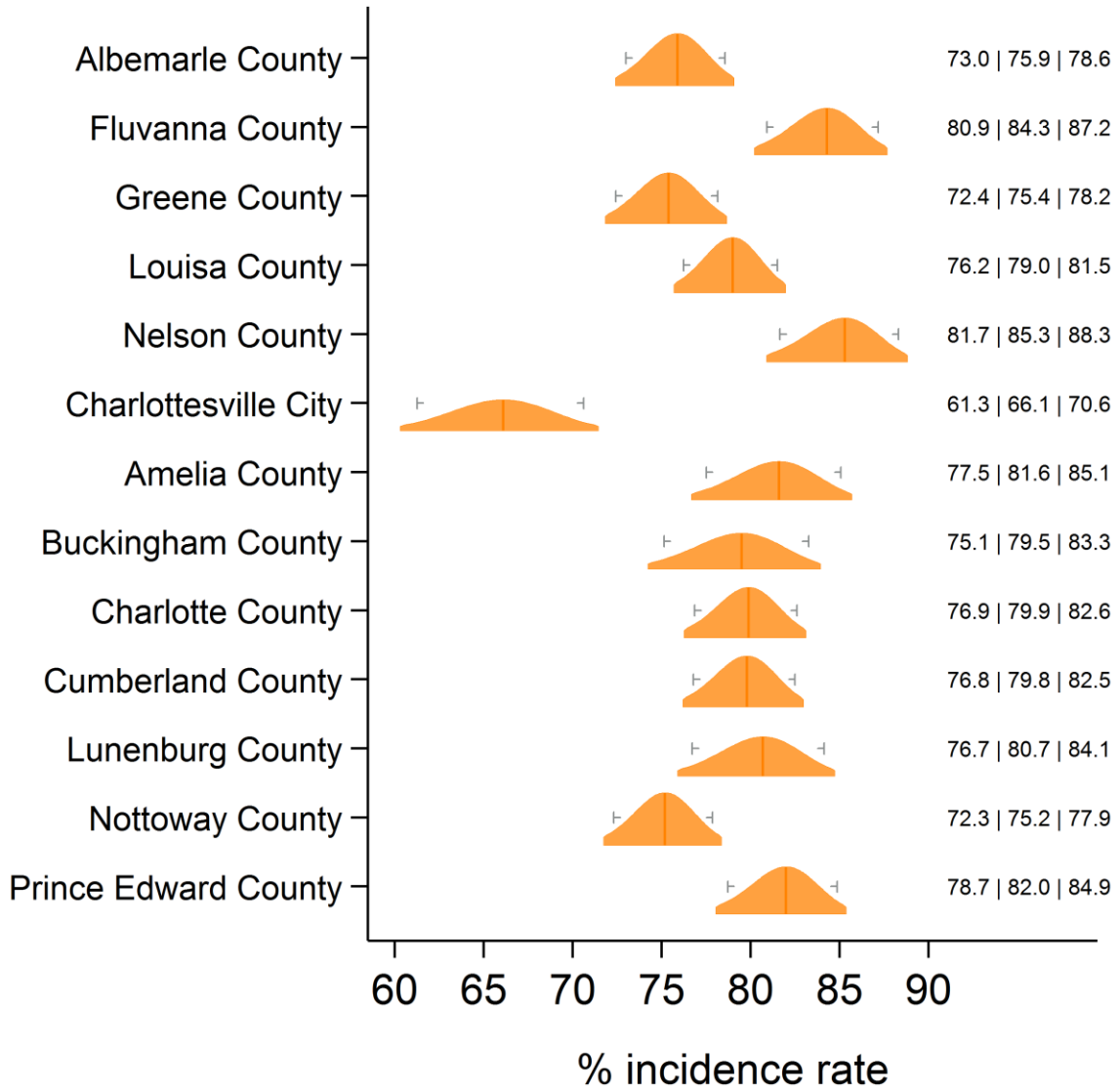
County		1-sided 95% LCB | Point Estimate | 1-sided 95% UCB
Albemarle County		73.0 | 75.9 | 78.6
Fluvanna County		80.9 | 84.3 | 87.2
Greene County		72.4 | 75.4 | 78.2
Louisa County		76.2 | 79.0 | 81.5
Nelson County		81.7 | 85.3 | 88.3
Charlottesville City		61.3 | 66.1 | 70.6
Amelia County		77.5 | 81.6 | 85.1
Buckingham County		75.1 | 79.5 | 83.3
Charlotte County		76.9 | 79.9 | 82.6
Cumberland County		76.8 | 79.8 | 82.5
Lunenburg County		76.7 | 80.7 | 84.1
Nottoway County		72.3 | 75.2 | 77.9
Prince Edward County		78.7 | 82.0 | 84.9

% incidence rate

Text at right: 1-sided 95% LCB | Point Estimate | 1-sided 95% UCB
Gray markers: 90% confidence interval

Has personal doctor / health care provider
Cumberland Plateau and Lenowisco HDs

County	1-sided 95% LCB | Point Estimate | 1-sided 95% UCB
Buchanan County	75.0 | 79.4 | 83.2
Dickenson County	78.1 | 82.8 | 86.7
Russell County	65.1 | 69.9 | 74.3
Tazewell County	74.3 | 77.7 | 80.7
Lee County	71.3 | 75.5 | 79.3
Scott County	81.3 | 85.0 | 88.1
Wise County	83.0 | 87.6 | 91.1
Norton City	66.8 | 74.0 | 80.1

% incidence rate

Text at right: 1-sided 95% LCB | Point Estimate | 1-sided 95% UCB
Gray markers: 90% confidence interval

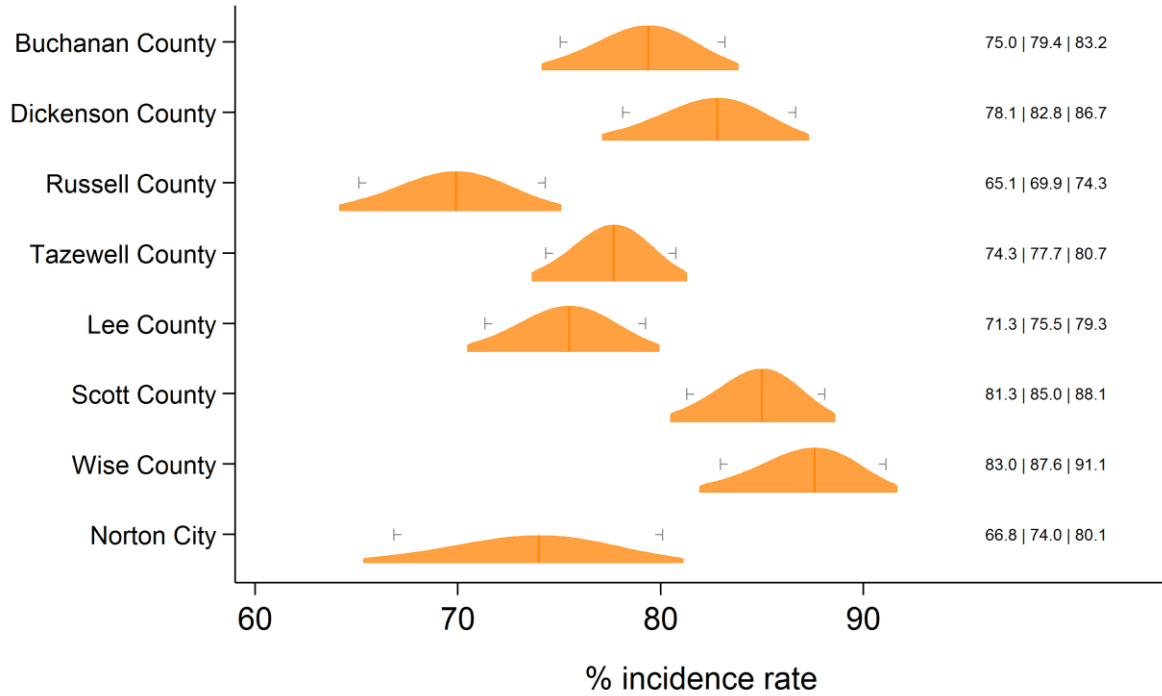# Has personal doctor / health care provider Alleghany, Roanoke and Central Virginia HDs
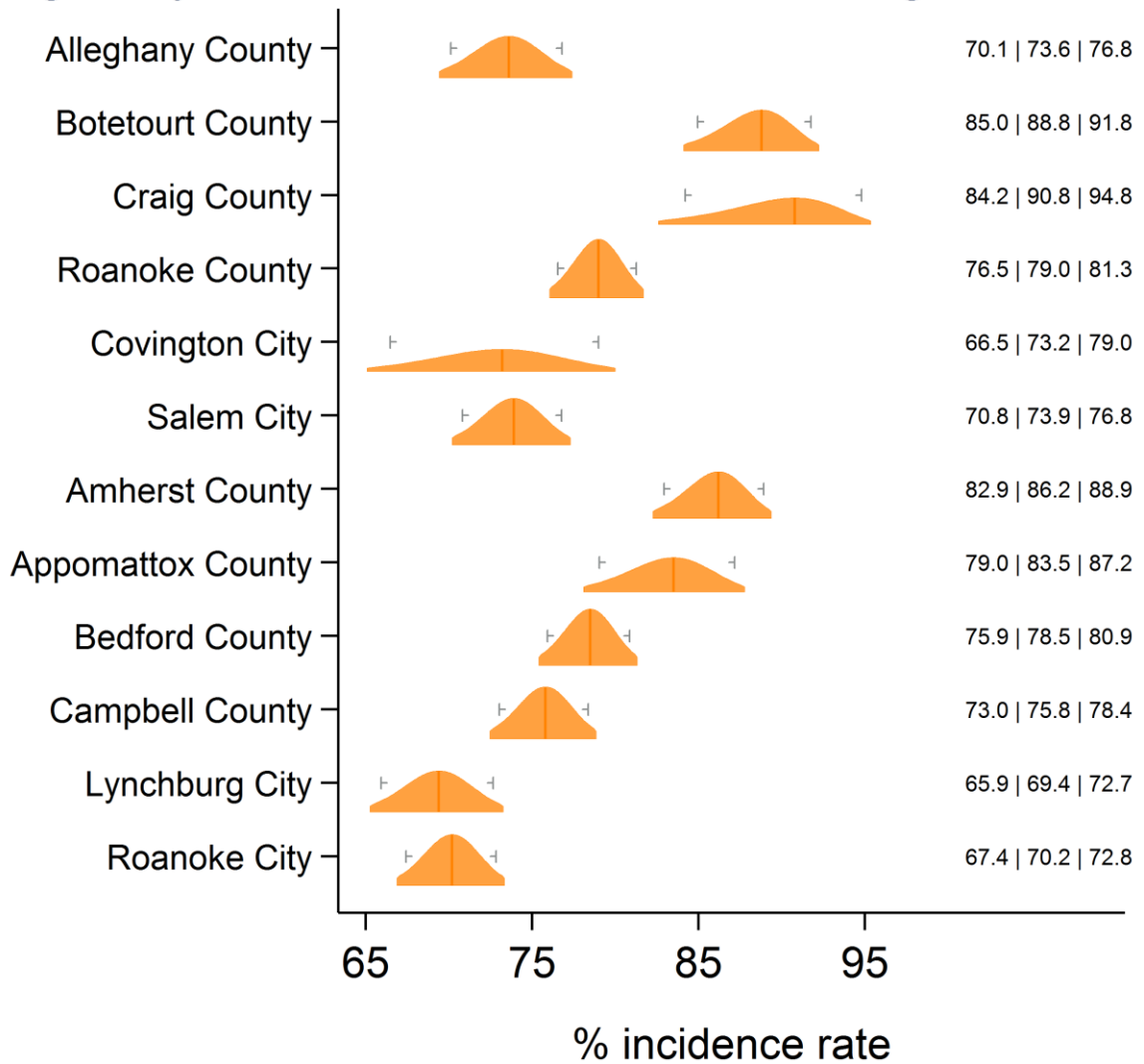
Alleghany County		70.1 | 73.6 | 76.8
Botetourt County		85.0 | 88.8 | 91.8
Craig County		84.2 | 90.8 | 94.8
Roanoke County		76.5 | 79.0 | 81.3
Covington City		66.5 | 73.2 | 79.0
Salem City		70.8 | 73.9 | 76.8
Amherst County		82.9 | 86.2 | 88.9
Appomattox County		79.0 | 83.5 | 87.2
Bedford County		75.9 | 78.5 | 80.9
Campbell County		73.0 | 75.8 | 78.4
Lynchburg City		65.9 | 69.4 | 72.7
Roanoke City		67.4 | 70.2 | 72.8

% incidence rate

Text at right: 1-sided 95% LCB | Point Estimate | 1-sided 95% UCB
Gray markers: 90% confidence interval

Has personal doctor / health care provider
Chesterfield, Chickahominy, Henrico and Richmond HDs

Chesterfield County	76.2 | 78.2 | 80.1
Powhatan County	79.7 | 82.6 | 85.1
Colonial Heights City	63.8 | 69.4 | 74.5
Charles City County	81.1 | 85.5 | 89.0
Goochland County	84.3 | 87.3 | 89.8
Hanover County	80.1 | 82.6 | 84.9
New Kent County	79.1 | 81.8 | 84.2
Henrico County	75.0 | 76.9 | 78.7
Richmond City	61.3 | 64.7 | 68.0

% incidence rate

Text at right: 1-sided 95% LCB | Point Estimate | 1-sided 95% UCB
Gray markers: 90% confidence interval

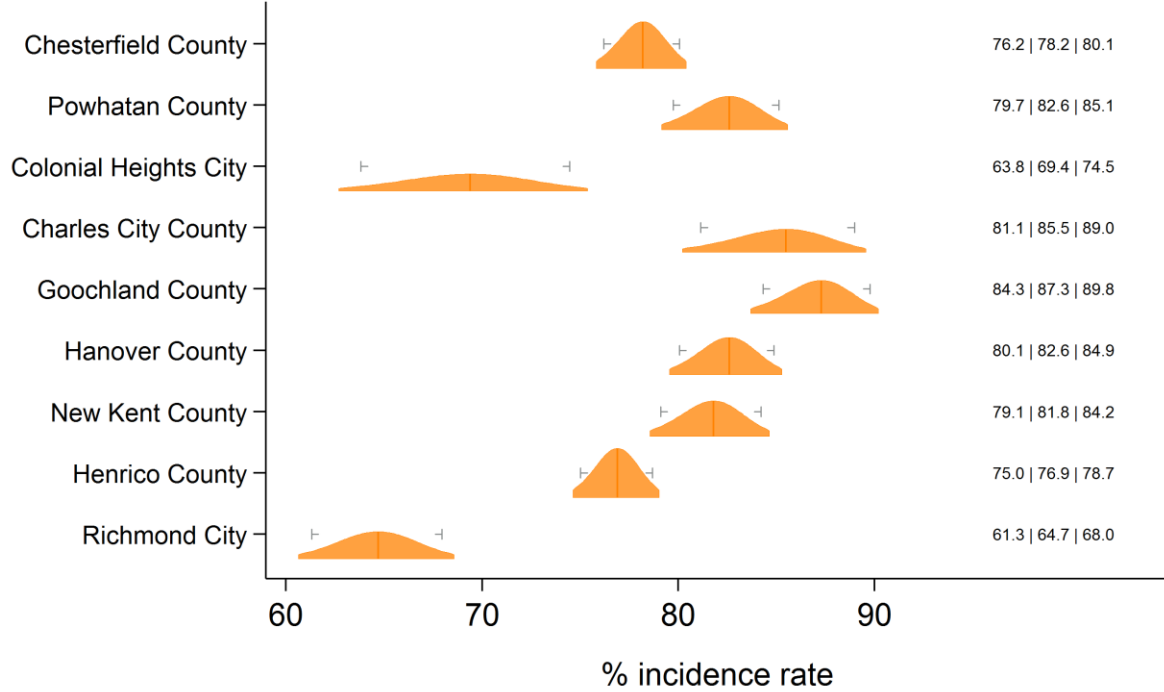# Has personal doctor / health care provider Crater, Peninsula and Hampton HDs
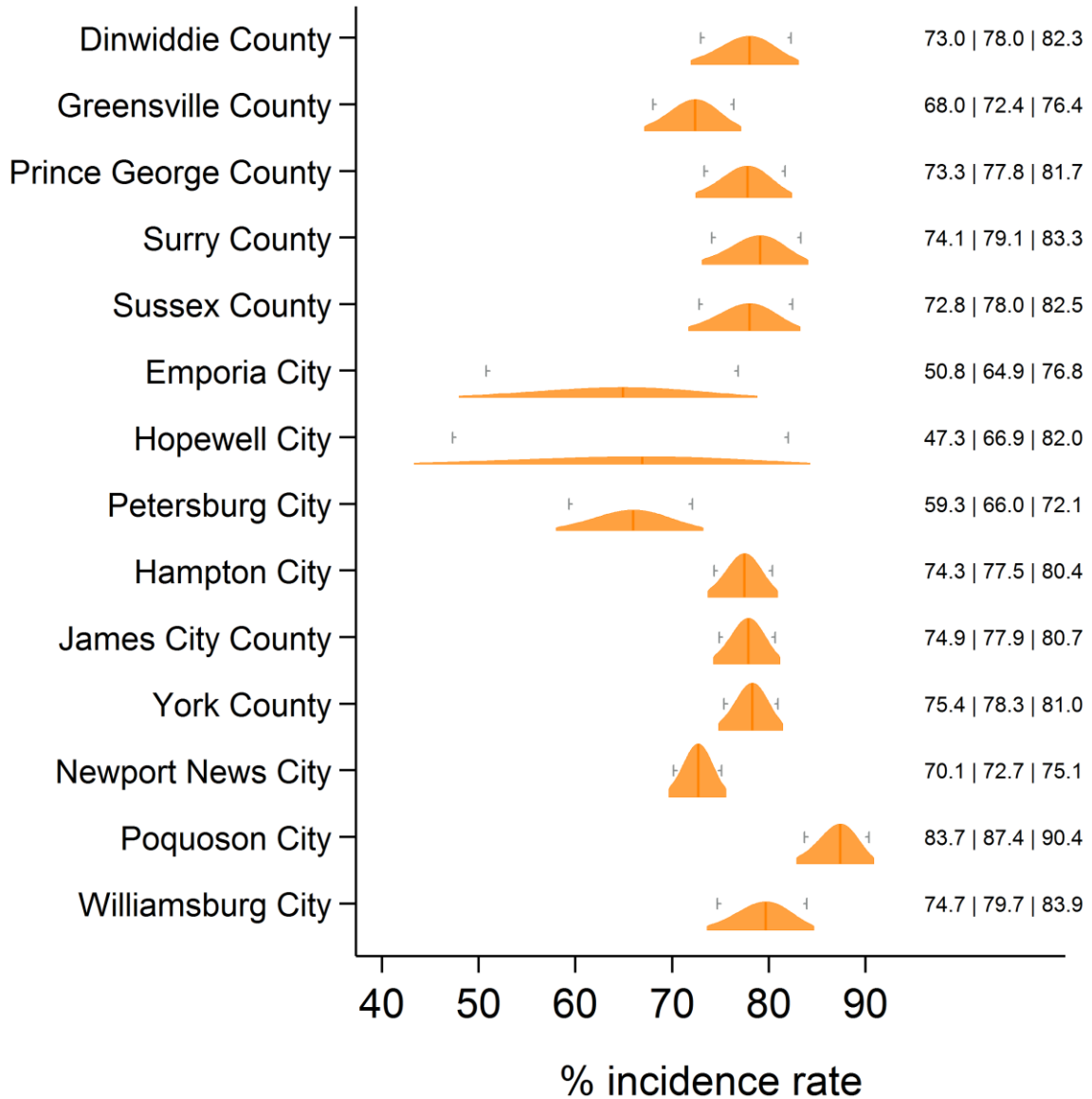
Dinwiddie County	73.0 | 78.0 | 82.3
Greensville County	68.0 | 72.4 | 76.4
Prince George County	73.3 | 77.8 | 81.7
Surry County	74.1 | 79.1 | 83.3
Sussex County	72.8 | 78.0 | 82.5
Emporia City	50.8 | 64.9 | 76.8
Hopewell City	47.3 | 66.9 | 82.0
Petersburg City	59.3 | 66.0 | 72.1
Hampton City	74.3 | 77.5 | 80.4
James City County	74.9 | 77.9 | 80.7
York County	75.4 | 78.3 | 81.0
Newport News City	70.1 | 72.7 | 75.1
Poquoson City	83.7 | 87.4 | 90.4
Williamsburg City	74.7 | 79.7 | 83.9

% incidence rate

Text at right: 1-sided 95% LCB | Point Estimate | 1-sided 95% UCB
Gray markers: 90% confidence interval

Has personal doctor / health care provider
Norfolk,Portsmouth,Chesapeake,VA Beach,W. Tidewater HDs
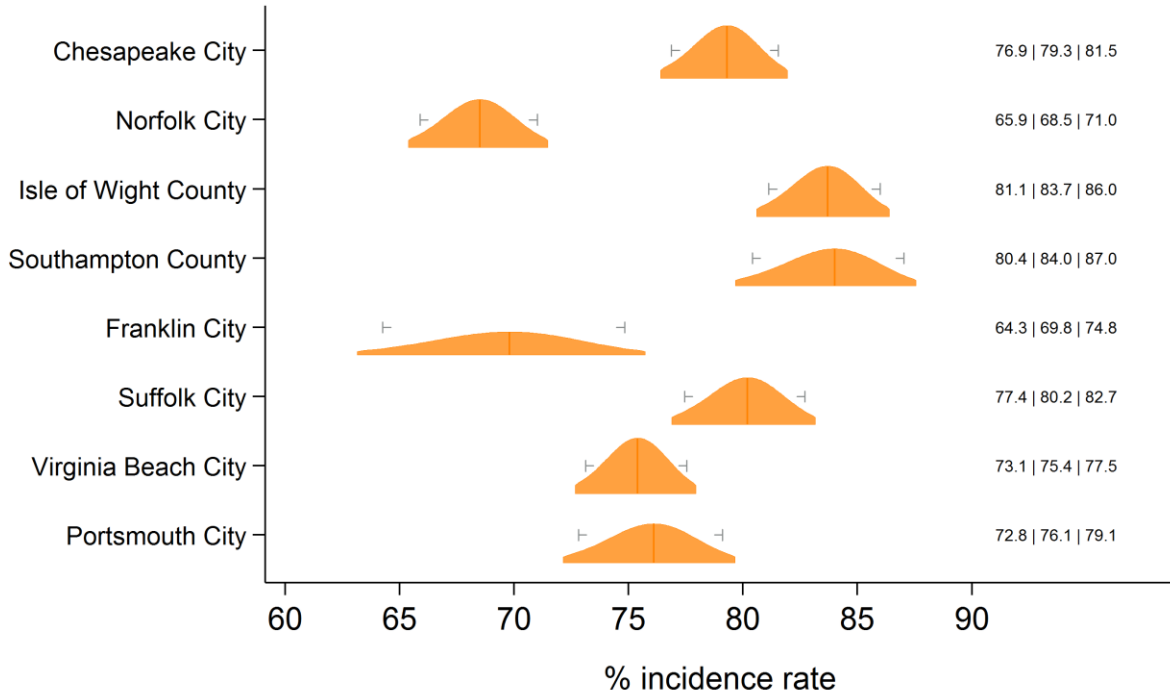
Location			
Chesapeake City		76.9	79.3	81.5
Norfolk City		65.9	68.5	71.0
Isle of Wight County		81.1	83.7	86.0
Southampton County		80.4	84.0	87.0
Franklin City		64.3	69.8	74.8
Suffolk City		77.4	80.2	82.7
Virginia Beach City		73.1	75.4	77.5
Portsmouth City		72.8	76.1	79.1

% incidence rate

Text at right: 1-sided 95% LCB | Point Estimate | 1-sided 95% UCB
Gray markers: 90% confidence interval

Has personal doctor / health care provider
Central Shenandoah and Lord Fairfax HDs

County	LCB | Point | UCB
Augusta County	78.5 | 81.4 | 84.0
Bath County	76.3 | 87.5 | 93.8
Highland County	80.8 | 95.8 | 99.2
Rockbridge County	81.1 | 84.2 | 86.9
Rockingham County	76.4 | 79.8 | 82.9
Buena Vista City	70.3 | 83.7 | 91.8
Harrisonburg City	55.9 | 62.4 | 68.5
Lexington City	78.6 | 83.7 | 87.8
Staunton City	82.7 | 87.4 | 91.0
Waynesboro City	76.8 | 80.8 | 84.3
Clarke County	78.5 | 82.5 | 85.9
Frederick County	73.6 | 76.7 | 79.5
Page County	72.4 | 75.9 | 79.1
Shenandoah County	72.8 | 75.8 | 78.6
Warren County	75.9 | 78.7 | 81.3
Winchester City	66.0 | 69.4 | 72.6

% incidence rate

Text at right: 1-sided 95% LCB | Point Estimate | 1-sided 95% UCB
Gray markers: 90% confidence interval

Section 5: Additional diagnostics

Direct estimate is inside the 95% SAE Wilson CI: 49 areas.

Direct estimate is outside the 95% SAE Wilson CI: 84 areas.

SAE estimate is inside the 95% direct Wilson CI: 129 areas.

SAE estimate is outside the 95% direct Wilson CI: 4 areas.

SAE Wilson 95% CI is fully inside the 95% direct Wilson CI: 116 areas.

SAE Wilson 95% CI partially overlaps with the 95% direct Wilson CI: 17 areas.

SAE Wilson 95% CI and the 95% direct Wilson CI do not overlap: 0 areas.

SAE standard error is less that the direct standard error: 121 areas.

SAE standard error is greater that the (nonzero) direct standard error: 2 areas.

Direct standard error is zero: 10 areas.

Proportion of SAE variance due to ACS sampling error: min = 0.98%; med = 30.47%; max = 64.77%.

Proportion of SAE variance to sampling error in regression coefficient estimates: min = 35.23%; med = 69.53%; max = 99.02%.

Proportion of SAE variance due to model selection: min = 0.00%; med = 0.00%; max = 0.00%.