Indicator 15: Diagnosed with Depression

Internal variable name: outc15_depression

Definition: (Ever told) you that you have a depressive disorder, including depression, major depression, dysthymia, or minor depression?

Predictive models

	Mixed, demos only	Logit, no area effects	Mixed with area covariates
	b/se	b/se	b/se
Outcome 15: Diagnosed with Depression			
NH Black vs. NH White	-0.5932***	-0.5931***	-0.5931***
	(0.1132)	(0.1111)	(0.1208)
NH Asian vs. NH White	-0.9389**	-0.9175**	-0.9175**
	(0.2828)	(0.3018)	(0.2841)
NH Other vs. NH White	-0.2678	-0.2437	-0.2437
	(0.1958)	(0.1703)	(0.1967)
Hispanic vs. NH White	-0.8900***	-0.8763***	-0.8763***
	(0.1591)	(0.1927)	(0.1592)
Female	0.6471***	0.6479***	0.6479***
	(0.0663)	(0.0778)	(0.0656)
Age 18-34 vs. 65+	0.5009***	0.4902***	0.4902***
	(0.1222)	(0.1077)	(0.1211)
Age 35-44 vs. 65+	0.6424***	0.6423***	0.6423***
	(0.1103)	(0.1163)	(0.1104)
Age 45-54 vs. 65+	0.4076***	0.4008***	0.4008***
	(0.1089)	(0.1054)	(0.1070)
Age 55-64 vs. 65+	0.4229***	0.4204***	0.4204***
	(0.0944)	(0.0955)	(0.0956)
Crude mortality rate of chronic lower respiratory disease per 10K		0.0646**	0.0646*
		(0.0239)	(0.0275)
VA BRFSS 2014 SAE outc16_diabetes_diag		-1.3473	-1.3473
		(1.6657)	(1.6284)
Testis Male Rate		0.0335	0.0335
		(0.0251)	(0.0236)
VA BRFSS 2014 SAE outc31_falls		3.2638**	3.2638**
		(1.0207)	(1.1432)
Variance of road density within county		-0.2902**	-0.2902**
		(0.0925)	(0.0947)
VA BRFSS 2014 SAE outc7_heart_attack		11.1286*	11.1283**
		(4.5748)	(4.1172)
Stroke hospitalization rate per 1K		0.2840***	0.2840***

		(0.0856)	(0.0673)
c.VA14SAE_outc7_heart_attack#c.hosp_rate_Stroke		-4.0074***	-4.0073***
		(1.1349)	(0.9692)
o.Testis Male Rate		0.0000	
		(.)	
o.VA BRFSS 2014 SAE outc16_diabetes_diag		0.0000	
		(.)	
c.TestisMaleRate#c.VA14SAE_outc16_diabetes_diag		-0.4284*	-0.4284*
		(0.1935)	(0.1797)
Intercept	-1.9805***	-2.0058***	-2.0057***
	(0.0816)	(0.5954)	(0.5340)
Area effect variance			
	0.0654		0.0000
	(0.0446)		(0.0000)

Number of alternative models used to estimate model error = 15.

Results

County name	County FIPS	Direct estimate	Direct 95% CI	SAE composite	SAE CI
Augusta County	51015	27.2%	(17.5%, 39.7%)	22.7%	(19.9%, 25.9%)
Bath County	51017	8.1%	(1.9%, 45.5%)	12.1%	(8.3%, 17.4%)
Caroline County	51033	16.4%	(6.0%, 46.0%)	15.3%	(12.9%, 18.2%)
Clarke County	51043	14.0%	(3.7%, 40.8%)	21.0%	(18.5%, 23.7%)
Culpeper County	51047	19.7%	(10.3%, 34.4%)	18.7%	(16.5%, 21.1%)
Fauquier County	51061	21.2%	(10.7%, 37.4%)	20.8%	(18.5%, 23.4%)
Frederick County	51069	13.0%	(5.8%, 26.6%)	21.7%	(19.8%, 23.8%)
Highland County	51091	0.0%	(0.0%, 47.5%)	3.8%	(1.1%, 12.4%)
King George County	51099	30.2%	(5.3%, 76.9%)	15.7%	(11.4%, 21.3%)
Madison County	51113	13.8%	(3.4%, 42.2%)	19.1%	(15.9%, 22.8%)
Orange County	51137	1.4%	(0.8%, 15.9%)	21.5%	(17.7%, 25.9%)
Page County	51139	23.3%	(7.8%, 52.3%)	19.2%	(15.2%, 24.1%)
Rappahannock County	51157	6.4%	(1.0%, 32.0%)	17.6%	(14.6%, 21.0%)
Rockbridge County	51163	20.0%	(8.3%, 41.0%)	21.5%	(18.4%, 25.0%)
Rockingham County	51165	12.9%	(7.5%, 21.3%)	22.1%	(19.0%, 25.7%)
Shenandoah County	51171	25.5%	(13.9%, 42.1%)	20.6%	(17.3%, 24.4%)
Spotsylvania County	51177	16.1%	(9.0%, 27.4%)	17.4%	(15.6%, 19.4%)
Stafford County	51179	10.3%	(6.0%, 17.1%)	14.2%	(12.5%, 16.2%)
Warren County	51187	8.5%	(2.9%, 22.5%)	18.0%	(15.7%, 20.5%)
Buena Vista City	51530	38.1%	(10.6%, 76.2%)	20.3%	(12.4%, 31.6%)
Fredericksburg City	51630	16.6%	(8.2%, 39.0%)	24.1%	(19.6%, 29.2%)
Harrisonburg City	51660	37.4%	(10.8%, 74.7%)	27.7%	(22.1%, 34.1%)
Lexington City	51678	0.0%	(0.0%, 96.3%)	17.2%	(10.8%, 26.4%)
Staunton City	51790	5.2%	(1.8%, 47.6%)	16.5%	(11.6%, 22.8%)
Waynesboro City	51820	3.5%	(1.5%, 44.7%)	33.2%	(26.8%, 40.2%)
Winchester City	51840	8.9%	(2.8%, 64.7%)	28.5%	(22.6%, 35.2%)

County name	County FIPS	Direct estimate	Direct 95% CI	SAE composite	SAE CI
Albemarle County	51003	18.0%	(10.9%, 28.3%)	17.2%	(14.4%, 20.3%)
Alleghany County	51005	23.6%	(9.8%, 46.8%)	25.7%	(19.5%, 33.1%)
Amherst County	51009	14.2%	(5.5%, 32.0%)	17.0%	(14.2%, 20.2%)
Appomattox County	51011	11.6%	(5.0%, 32.4%)	13.0%	(9.4%, 17.9%)
Arlington City	51013	18.2%	(11.7%, 27.1%)	19.5%	(17.2%, 22.0%)
Bedford County	51019	17.1%	(9.6%, 28.8%)	16.0%	(13.8%, 18.5%)
Botetourt County	51023	9.2%	(2.5%, 28.4%)	18.7%	(15.6%, 22.4%)
Campbell County	51031	11.8%	(6.5%, 20.6%)	17.2%	(14.7%, 19.9%)
Craig County	51045	43.0%	(7.6%, 87.3%)	14.9%	(11.9%, 18.5%)
Fairfax County	51059	16.4%	(13.6%, 19.5%)	14.7%	(13.8%, 15.8%)
Fluvanna County	51065	31.8%	(14.0%, 57.1%)	19.0%	(16.0%, 22.4%)
Greene County	51079	68.0%	(40.4%, 87.0%)	18.8%	(13.6%, 25.4%)
Loudoun County	51107	13.4%	(9.1%, 19.4%)	13.5%	(12.2%, 15.0%)
Louisa County	51109	30.6%	(15.3%, 51.9%)	20.2%	(17.0%, 23.7%)
Nelson County	51125	8.8%	(3.9%, 37.2%)	14.9%	(11.2%, 19.5%)
Prince William County	51153	15.5%	(11.4%, 20.6%)	13.6%	(12.6%, 14.6%)
Roanoke County	51161	26.9%	(17.5%, 39.0%)	19.1%	(16.5%, 22.0%)
Alexandria City	51510	17.2%	(10.8%, 26.3%)	18.5%	(16.9%, 20.2%)
Charlottesville City	51540	12.5%	(4.9%, 28.3%)	23.2%	(15.0%, 34.1%)
Covington City	51580	85.3%	(10.0%, 98.8%)	89.0%	(62.5%, 97.5%)
Fairfax City	51600	15.8%	(8.4%, 27.7%)	19.8%	(16.8%, 23.3%)
Falls Church City	51610	16.5%	(5.7%, 39.0%)	15.8%	(12.4%, 19.8%)
Lynchburg City	51680	34.4%	(22.4%, 48.8%)	27.0%	(23.8%, 30.4%)
Manassas City	51683	4.6%	(2.0%, 37.2%)	18.3%	(16.0%, 20.8%)
Manassas Park City	51685	15.5%	(1.6%, 66.7%)	14.2%	(11.4%, 17.6%)
Salem City	51775	25.5%	(5.9%, 65.3%)	22.7%	(17.1%, 29.5%)

County name	County FIPS	Direct estimate	Direct 95% CI	SAE composite	SAE CI
Bland County	51021	11.2%	(2.5%, 38.8%)	18.6%	(14.3%, 23.8%)
Buchanan County	51027	30.2%	(15.3%, 51.0%)	34.6%	(26.4%, 43.9%)
Carroll County	51035	32.3%	(17.3%, 52.0%)	26.4%	(22.4%, 30.8%)
Dickenson County	51051	66.7%	(45.0%, 83.1%)	44.9%	(32.7%, 57.7%)
Floyd County	51063	18.7%	(7.7%, 39.0%)	14.9%	(10.2%, 21.1%)
Franklin County	51067	23.0%	(11.6%, 40.7%)	21.7%	(19.0%, 24.8%)
Giles County	51071	24.7%	(12.1%, 44.0%)	25.0%	(20.3%, 30.2%)
Grayson County	51077	6.4%	(2.8%, 29.1%)	16.6%	(12.8%, 21.2%)
Henry County	51089	18.7%	(10.1%, 31.9%)	13.8%	(11.5%, 16.6%)
Lee County	51105	34.1%	(14.8%, 60.6%)	28.5%	(23.7%, 33.9%)
Montgomery County	51121	23.1%	(13.1%, 37.6%)	24.4%	(20.4%, 28.8%)
Patrick County	51141	19.7%	(6.2%, 47.5%)	16.4%	(13.2%, 20.1%)
Pittsylvania County	51143	18.7%	(11.7%, 28.4%)	13.9%	(11.8%, 16.2%)
Pulaski County	51155	44.3%	(24.8%, 65.7%)	23.9%	(18.9%, 29.6%)
Russell County	51167	27.8%	(14.6%, 46.3%)	22.7%	(19.8%, 25.9%)
Scott County	51169	28.5%	(13.6%, 50.2%)	39.1%	(30.6%, 48.4%)
Smyth County	51173	30.1%	(13.4%, 54.5%)	21.2%	(18.0%, 24.7%)
Tazewell County	51185	25.1%	(13.8%, 41.3%)	30.3%	(25.5%, 35.5%)
Washington County	51191	17.4%	(10.2%, 28.1%)	17.4%	(14.4%, 20.8%)
Wise County	51195	35.6%	(22.6%, 51.1%)	35.0%	(28.3%, 42.5%)
Wythe County	51197	7.6%	(2.0%, 25.2%)	19.6%	(15.3%, 24.8%)
Bristol City	51520	43.6%	(7.3%, 88.3%)	39.6%	(29.1%, 51.2%)
Danville City	51590	10.9%	(3.4%, 29.6%)	14.3%	(10.9%, 18.6%)
Galax City	51640	30.7%	(2.7%, 87.7%)	32.0%	(18.4%, 49.5%)
Martinsville City	51690	67.4%	(22.9%, 93.5%)	29.1%	(23.1%, 35.9%)
Norton City	51720	45.4%	(9.5%, 86.8%)	27.8%	(20.1%, 37.2%)
Radford City	51750	45.4%	(13.9%, 81.1%)	35.2%	(25.3%, 46.6%)
Roanoke City	51770	22.6%	(14.4%, 33.5%)	26.6%	(22.8%, 30.8%)

County name	County FIPS	Direct estimate	Direct 95% CI	SAE composite	SAE CI
Amelia County	51007	13.7%	(4.3%, 35.8%)	20.9%	(17.6%, 24.5%)
Brunswick County	51025	8.6%	(2.8%, 32.1%)	24.2%	(19.6%, 29.4%)
Buckingham County	51029	14.4%	(5.7%, 31.6%)	10.5%	(8.4%, 13.1%)
Charles City County	51036	14.7%	(2.3%, 63.4%)	20.2%	(17.2%, 23.5%)
Charlotte County	51037	28.4%	(14.7%, 47.6%)	13.2%	(10.3%, 16.8%)
Chesterfield County	51041	22.7%	(16.4%, 30.6%)	18.2%	(16.9%, 19.6%)
Cumberland County	51049	11.8%	(5.8%, 33.2%)	17.6%	(14.6%, 21.1%)
Dinwiddie County	51053	17.9%	(7.1%, 38.4%)	18.9%	(16.6%, 21.4%)
Goochland County	51075	9.7%	(1.9%, 36.9%)	20.8%	(17.6%, 24.5%)
Greensville County	51081	34.2%	(10.8%, 69.2%)	16.8%	(12.5%, 22.1%)
Halifax County	51083	15.4%	(7.0%, 30.7%)	15.0%	(12.1%, 18.3%)
Hanover County	51085	25.5%	(15.4%, 39.1%)	20.7%	(18.8%, 22.7%)
Henrico County	51087	17.7%	(12.3%, 24.6%)	19.2%	(17.6%, 21.0%)
Lunenburg County	51111	2.9%	(1.7%, 30.2%)	10.6%	(7.8%, 14.3%)
Mecklenburg County	51117	16.9%	(8.9%, 29.8%)	16.2%	(12.5%, 20.7%)
New Kent County	51127	28.9%	(11.5%, 56.0%)	22.1%	(19.0%, 25.5%)
Nottoway County	51135	11.7%	(4.4%, 27.6%)	14.1%	(10.7%, 18.2%)
Powhatan County	51145	17.8%	(5.1%, 46.5%)	20.3%	(17.6%, 23.3%)
Prince Edward County	51147	21.1%	(11.4%, 35.9%)	23.4%	(18.9%, 28.6%)
Prince George County	51149	10.0%	(6.2%, 23.6%)	15.7%	(12.5%, 19.5%)
Surry County	51181	26.4%	(6.0%, 67.0%)	11.9%	(8.9%, 15.6%)
Sussex County	51183	5.4%	(3.2%, 21.4%)	14.0%	(11.8%, 16.4%)
Colonial Heights City	51570	31.7%	(15.4%, 54.3%)	25.5%	(19.2%, 33.0%)
Emporia City	51595	62.9%	(3.5%, 98.6%)	41.3%	(29.4%, 54.2%)
Hopewell City	51670	28.6%	(11.8%, 54.6%)	34.7%	(24.4%, 46.6%)
Petersburg City	51730	30.8%	(16.2%, 50.6%)	28.0%	(22.5%, 34.3%)
Richmond City	51760	27.6%	(18.6%, 38.9%)	22.7%	(20.1%, 25.5%)

County name	County FIPS	Direct estimate	Direct 95% CI	SAE composite	SAE CI
Accomack County	51001	14.9%	(8.2%, 25.6%)	12.5%	(7.8%, 19.4%)
Essex County	51057	34.9%	(12.0%, 67.8%)	33.3%	(24.9%, 42.9%)
Gloucester County	51073	19.0%	(10.6%, 31.6%)	17.4%	(15.4%, 19.6%)
Isle of Wight County	51093	29.9%	(14.0%, 52.9%)	16.4%	(14.2%, 19.0%)
James City County	51095	5.9%	(2.6%, 12.5%)	13.9%	(10.7%, 17.8%)
King and Queen County	51097	36.1%	(13.1%, 67.9%)	27.5%	(19.7%, 37.1%)
King William County	51101	33.5%	(12.0%, 65.1%)	29.7%	(24.0%, 36.1%)
Lancaster County	51103	6.7%	(3.3%, 44.0%)	11.8%	(7.3%, 18.6%)
Mathews County	51115	28.1%	(10.4%, 56.7%)	17.0%	(9.0%, 29.7%)
Middlesex County	51119	13.3%	(3.9%, 36.6%)	11.7%	(7.0%, 18.8%)
Northampton County	51131	24.5%	(9.6%, 50.0%)	16.1%	(12.3%, 20.8%)
Northumberland County	51133	19.5%	(8.7%, 38.1%)	17.3%	(11.2%, 25.7%)
Richmond County	51159	32.1%	(10.9%, 64.6%)	19.4%	(16.5%, 22.8%)
Southampton County	51175	13.8%	(2.6%, 49.2%)	19.5%	(15.6%, 24.3%)
Westmoreland County	51193	7.2%	(3.9%, 37.4%)	3.4%	(1.6%, 7.2%)
York County	51199	11.8%	(6.1%, 21.8%)	17.3%	(15.1%, 19.7%)
Chesapeake City	51550	16.5%	(11.1%, 24.0%)	17.6%	(15.8%, 19.5%)
Franklin City	51620	9.9%	(2.7%, 30.1%)	10.7%	(5.9%, 18.8%)
Hampton City	51650	18.1%	(12.3%, 25.8%)	16.8%	(14.6%, 19.3%)
Newport News City	51700	21.1%	(14.4%, 29.9%)	19.3%	(17.4%, 21.2%)
Norfolk City	51710	26.8%	(19.0%, 36.3%)	23.8%	(20.9%, 26.9%)
Poquoson City	51735	26.3%	(4.1%, 75.0%)	16.6%	(13.4%, 20.3%)
Portsmouth City	51740	16.1%	(9.7%, 25.4%)	19.0%	(16.3%, 22.0%)
Suffolk City	51800	19.4%	(10.4%, 33.1%)	15.1%	(13.1%, 17.4%)
Virginia Beach City	51810	22.4%	(17.3%, 28.5%)	18.8%	(17.0%, 20.6%)
Williamsburg City	51830	19.2%	(3.0%, 64.8%)	30.4%	(18.7%, 45.4%)

Graphical representation

Diagnosed with Depression
Central Shenandoah and Lord Fairfax HDs

County/City	2-sided 95% LCB | Point Estimate | 2-sided 95% UCB
Augusta County	19.8 | 22.7 | 25.8
Bath County	8.2 | 12.1 | 17.4
Highland County	1.1 | 3.8 | 12.7
Rockbridge County	18.4 | 21.5 | 25.0
Rockingham County	18.9 | 22.1 | 25.7
Buena Vista City	12.2 | 20.3 | 31.8
Harrisonburg City	22.1 | 27.7 | 34.1
Lexington City	10.7 | 17.2 | 26.5
Staunton City	11.6 | 16.5 | 22.9
Waynesboro City	26.8 | 33.2 | 40.2
Clarke County	18.5 | 21.0 | 23.7
Frederick County	19.7 | 21.7 | 23.8
Page County	15.1 | 19.2 | 24.1
Shenandoah County	17.3 | 20.6 | 24.4
Warren County	15.7 | 18.0 | 20.5
Winchester City	22.6 | 28.5 | 35.2

% incidence rate

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

Diagnosed with Depression
Rappahannock/Rapidan and Rappahannock HDs
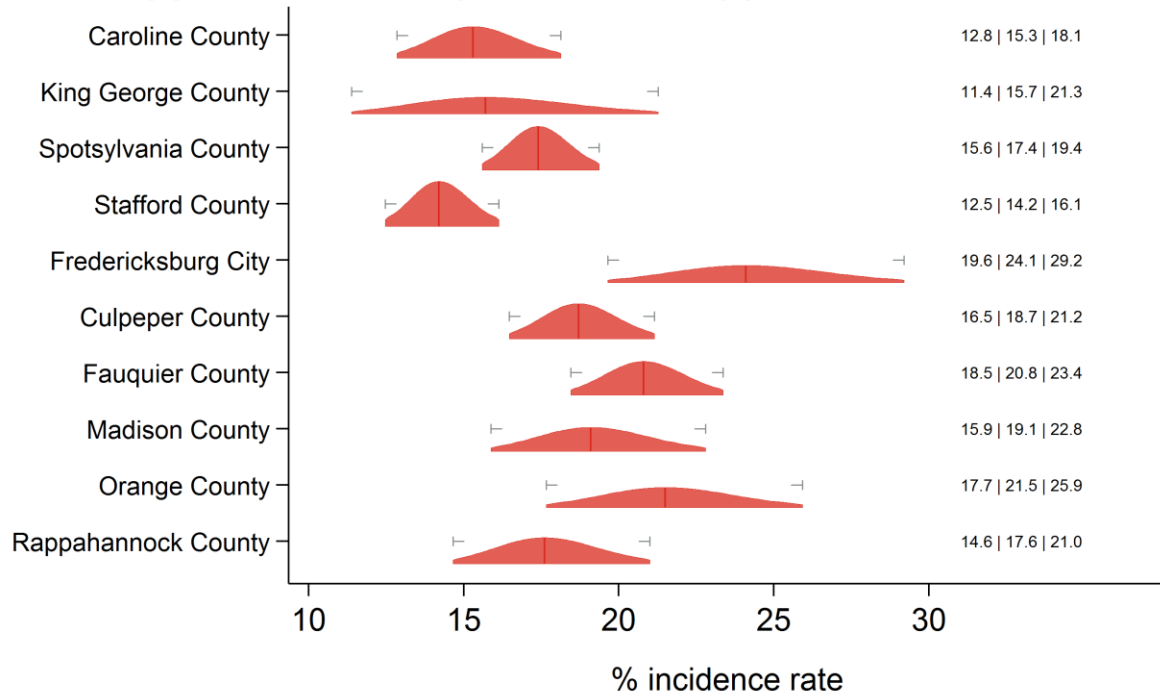
County	2-sided 95% LCB	Point Estimate	2-sided 95% UCB
Caroline County	12.8	15.3	18.1
King George County	11.4	15.7	21.3
Spotsylvania County	15.6	17.4	19.4
Stafford County	12.5	14.2	16.1
Fredericksburg City	19.6	24.1	29.2
Culpeper County	16.5	18.7	21.2
Fauquier County	18.5	20.8	23.4
Madison County	15.9	19.1	22.8
Orange County	17.7	21.5	25.9
Rappahannock County	14.6	17.6	21.0

% incidence rate

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

Diagnosed with Depression
Thomas Jefferson and Piedmont HDs

County	LCB	Point Estimate	UCB
Albemarle County	14.5	17.2	20.3
Fluvanna County	16.0	19.0	22.4
Greene County	13.6	18.8	25.4
Louisa County	17.0	20.2	23.8
Nelson County	11.2	14.9	19.5
Charlottesville City	14.9	23.2	34.3
Amelia County	17.6	20.9	24.6
Buckingham County	8.3	10.5	13.1
Charlotte County	10.3	13.2	16.8
Cumberland County	14.6	17.6	21.1
Lunenburg County	7.8	10.6	14.3
Nottoway County	10.7	14.1	18.3
Prince Edward County	18.9	23.4	28.6

% incidence rate

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

Diagnosed with Depression
Alexandria, Fairfax, Arlington, Loudon, Prince William HDs

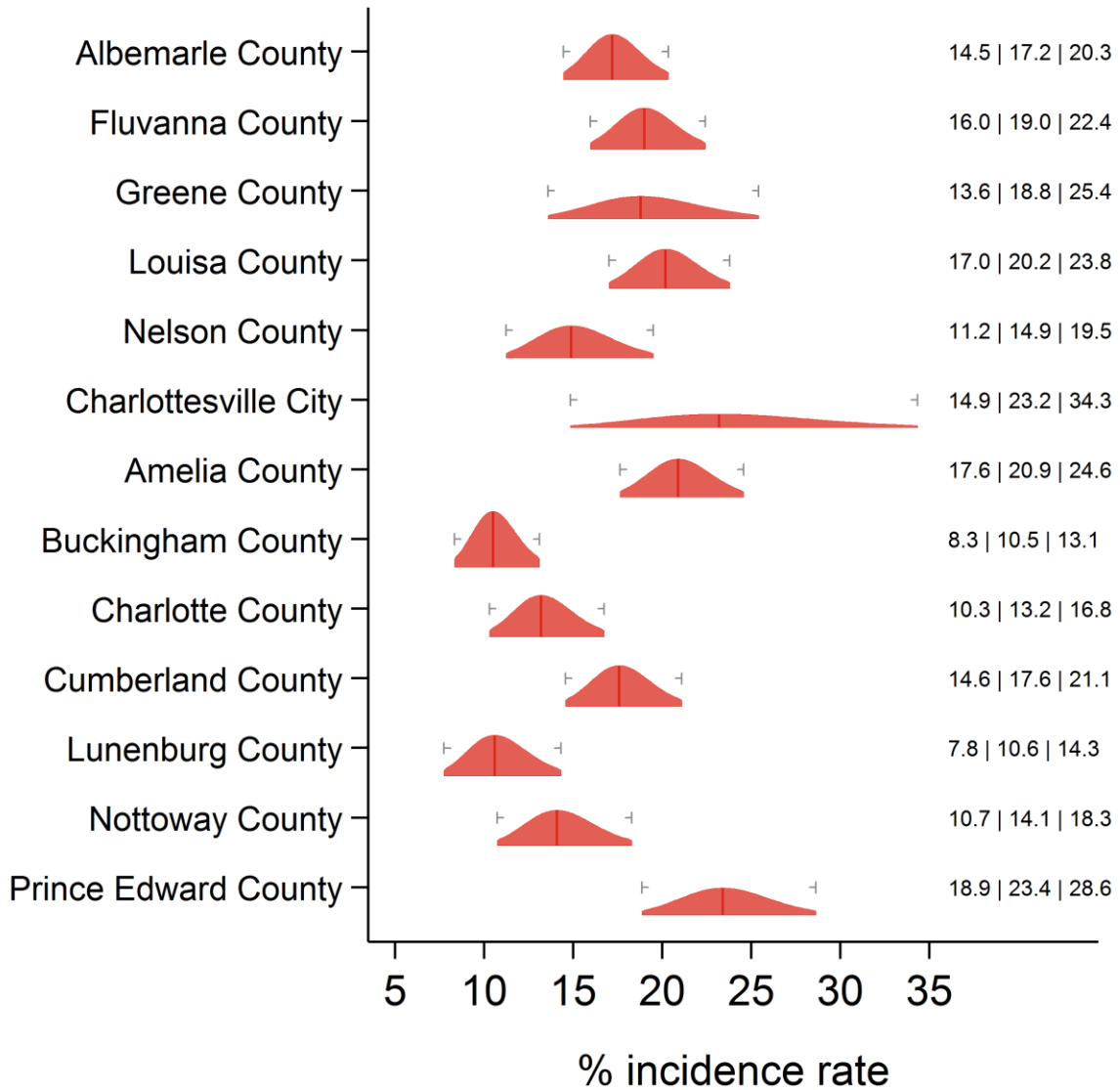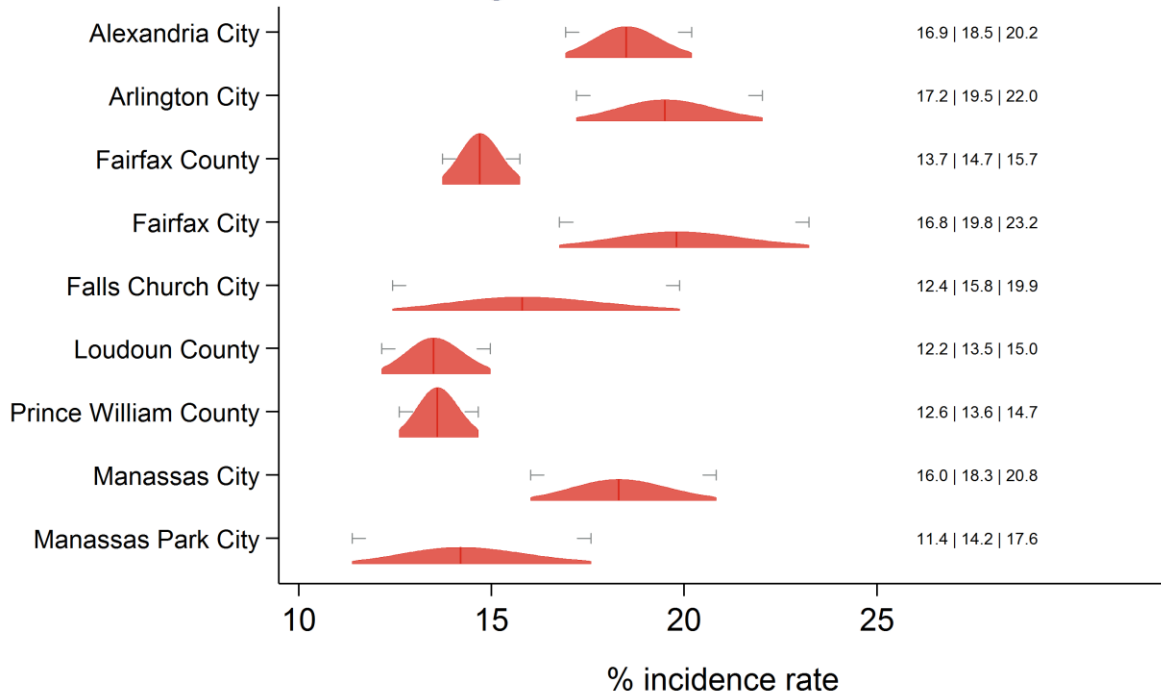| Health District	LCB | Point | UCB
Alexandria City	16.9 | 18.5 | 20.2
Arlington City	17.2 | 19.5 | 22.0
Fairfax County	13.7 | 14.7 | 15.7
Fairfax City	16.8 | 19.8 | 23.2
Falls Church City	12.4 | 15.8 | 19.9
Loudoun County	12.2 | 13.5 | 15.0
Prince William County	12.6 | 13.6 | 14.7
Manassas City	16.0 | 18.3 | 20.8
Manassas Park City	11.4 | 14.2 | 17.6

% incidence rate

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

Diagnosed with Depression
Alleghany, Roanoke and Central Virginia HDs

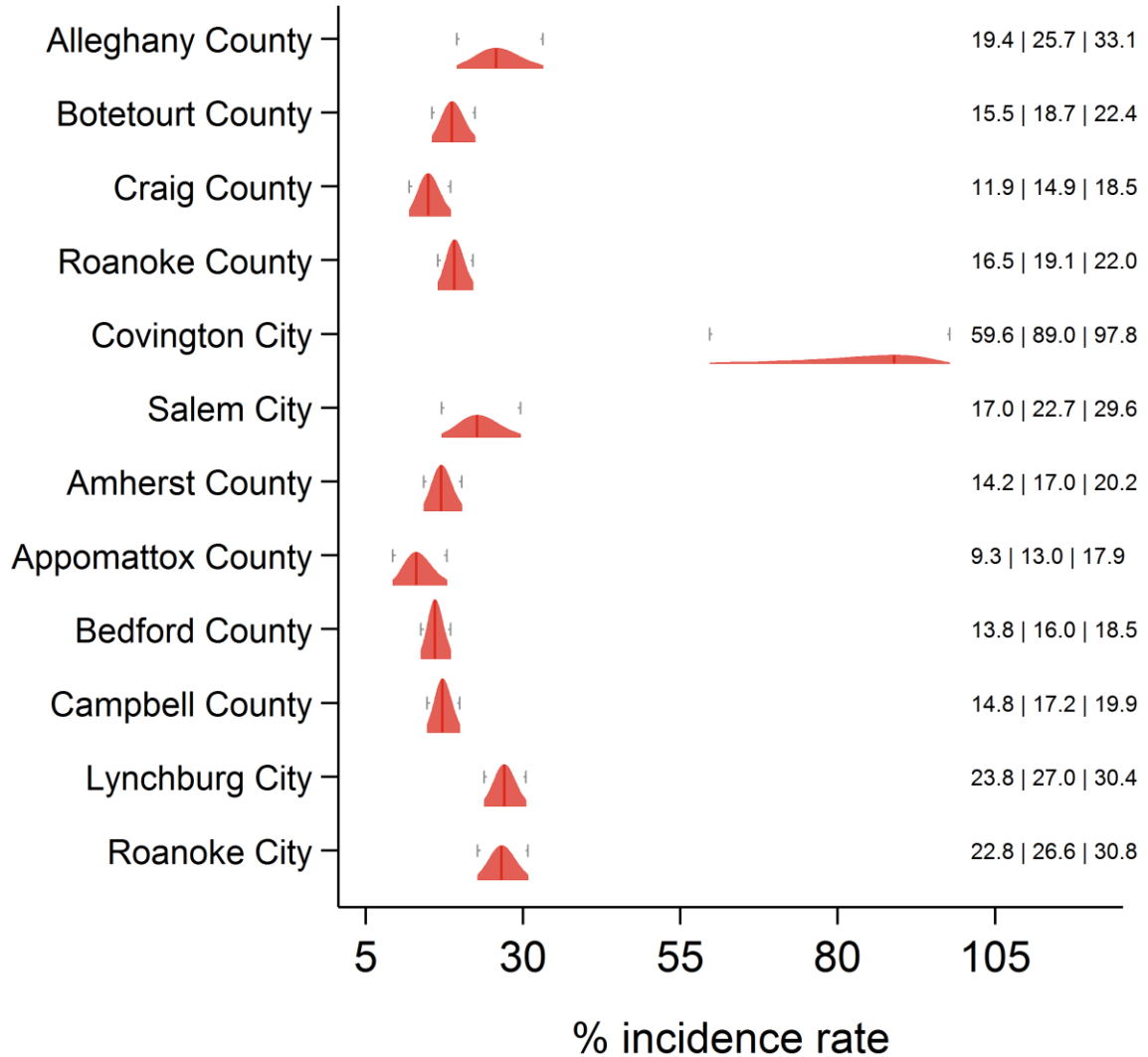| County	2-sided 95% LCB | Point Estimate | 2-sided 95% UCB
Alleghany County	19.4 | 25.7 | 33.1
Botetourt County	15.5 | 18.7 | 22.4
Craig County	11.9 | 14.9 | 18.5
Roanoke County	16.5 | 19.1 | 22.0
Covington City	59.6 | 89.0 | 97.8
Salem City	17.0 | 22.7 | 29.6
Amherst County	14.2 | 17.0 | 20.2
Appomattox County	9.3 | 13.0 | 17.9
Bedford County	13.8 | 16.0 | 18.5
Campbell County	14.8 | 17.2 | 19.9
Lynchburg City	23.8 | 27.0 | 30.4
Roanoke City	22.8 | 26.6 | 30.8

% incidence rate

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

Diagnosed with Depression
Cumberland Plateau and Lenowisco HDs

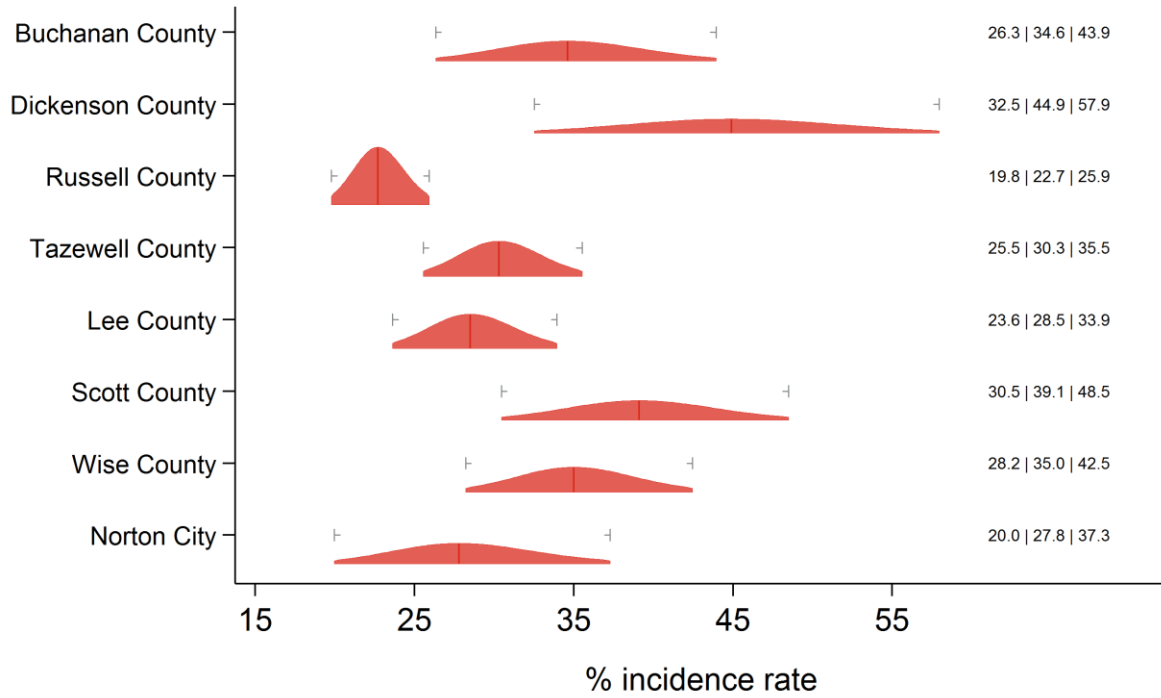| County	LCB	Point Estimate	UCB
Buchanan County	26.3	34.6	43.9
Dickenson County	32.5	44.9	57.9
Russell County	19.8	22.7	25.9
Tazewell County	25.5	30.3	35.5
Lee County	23.6	28.5	33.9
Scott County	30.5	39.1	48.5
Wise County	28.2	35.0	42.5
Norton City	20.0	27.8	37.3

% incidence rate

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

Diagnosed with Depression
Pittsylvania/Danville, Southside and West Piedmont HDs

County	Statistics
Pittsylvania County	11.8 | 13.9 | 16.3
Danville City	10.9 | 14.3 | 18.6
Franklin County	18.9 | 21.7 | 24.8
Henry County	11.4 | 13.8 | 16.6
Patrick County	13.2 | 16.4 | 20.2
Martinsville City	23.1 | 29.1 | 36.0
Brunswick County	19.6 | 24.2 | 29.5
Halifax County	12.1 | 15.0 | 18.4
Mecklenburg County	12.5 | 16.2 | 20.7

% incidence rate

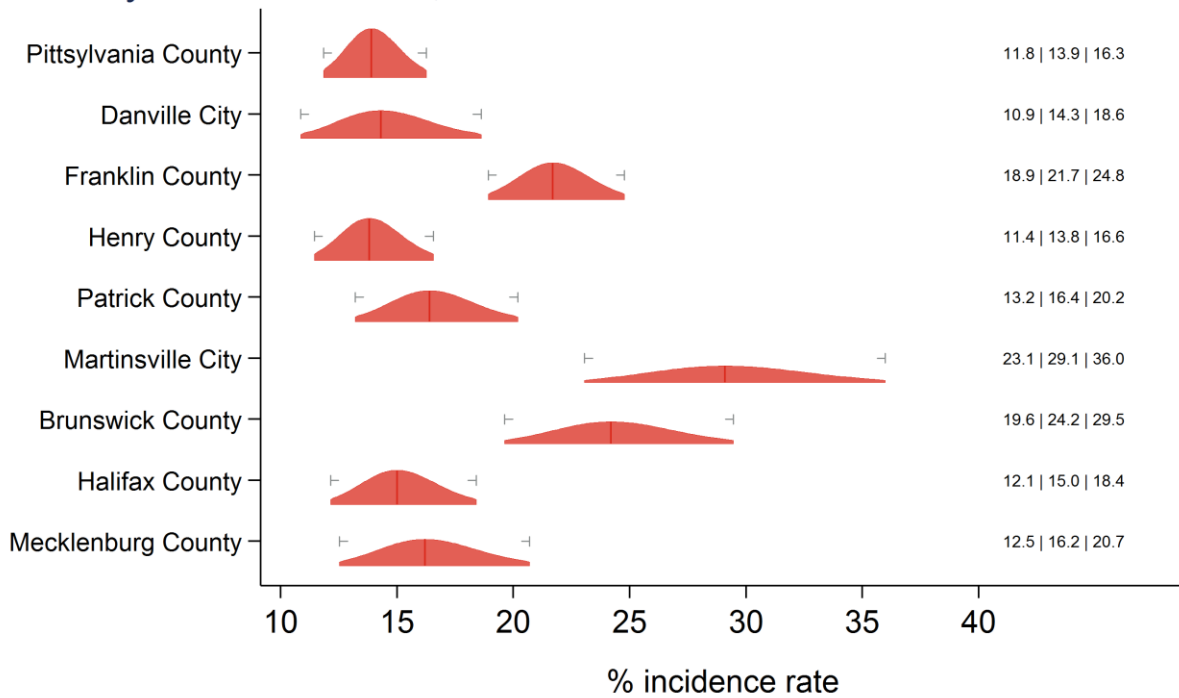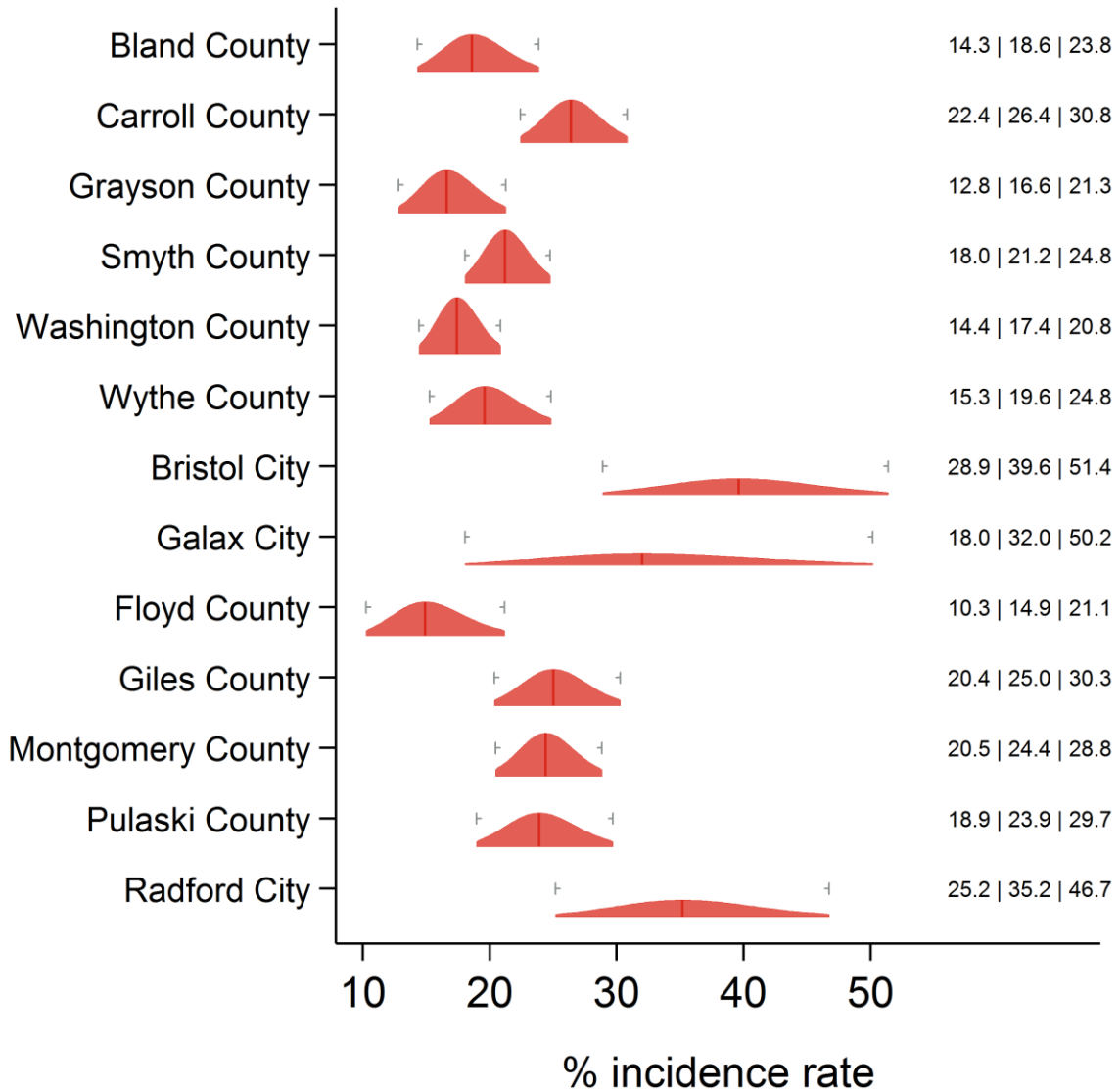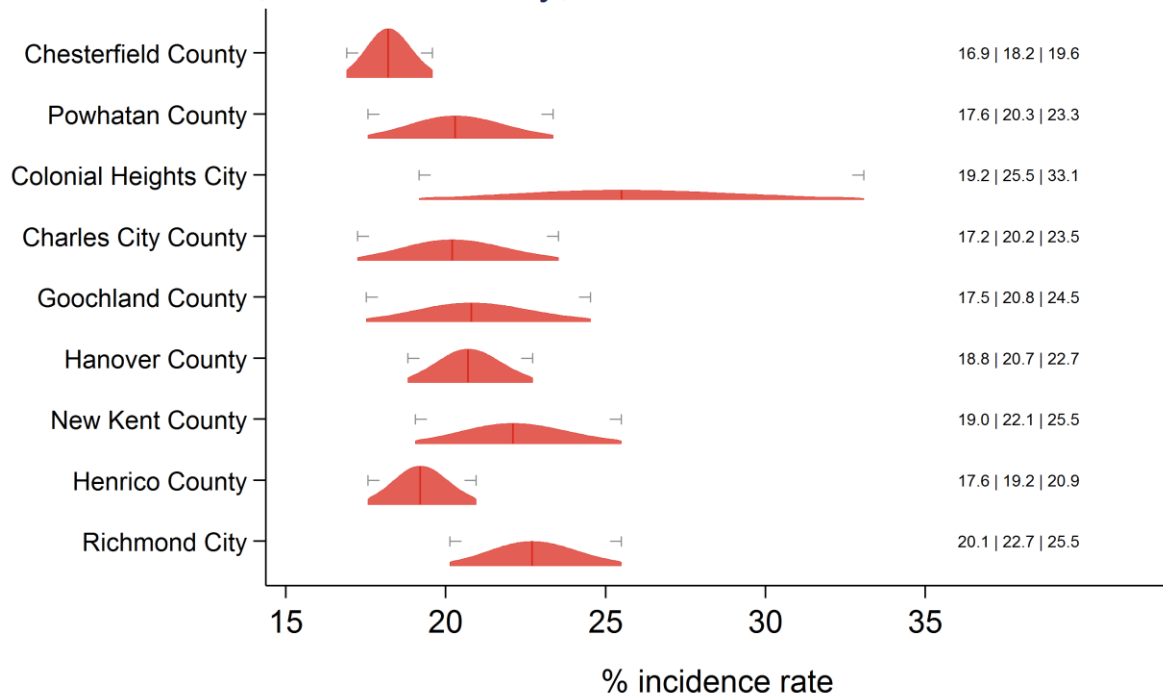Text at right: 2-sided 95% LCB | Point Estimate | 2-sided 95% UCB
Gray markers: 95% confidence interval

Diagnosed with Depression
New River and Mount Rogers HDs

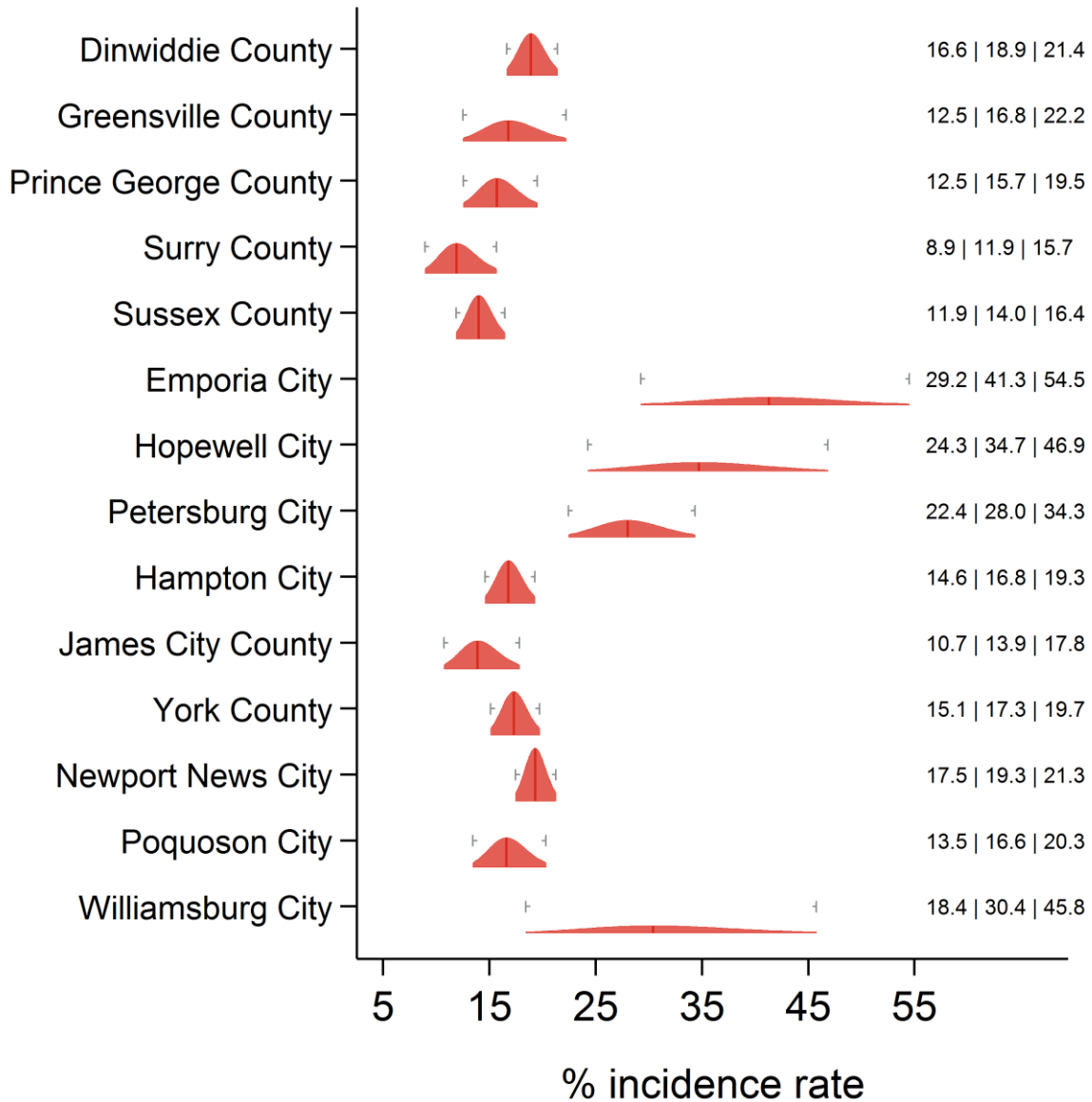| County/City	95% CI		
Bland County	14.3	18.6	23.8
Carroll County	22.4	26.4	30.8
Grayson County	12.8	16.6	21.3
Smyth County	18.0	21.2	24.8
Washington County	14.4	17.4	20.8
Wythe County	15.3	19.6	24.8
Bristol City	28.9	39.6	51.4
Galax City	18.0	32.0	50.2
Floyd County	10.3	14.9	21.1
Giles County	20.4	25.0	30.3
Montgomery County	20.5	24.4	28.8
Pulaski County	18.9	23.9	29.7
Radford City	25.2	35.2	46.7

% incidence rate

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

Diagnosed with Depression
Chesterfield, Chickahominy, Henrico and Richmond HDs

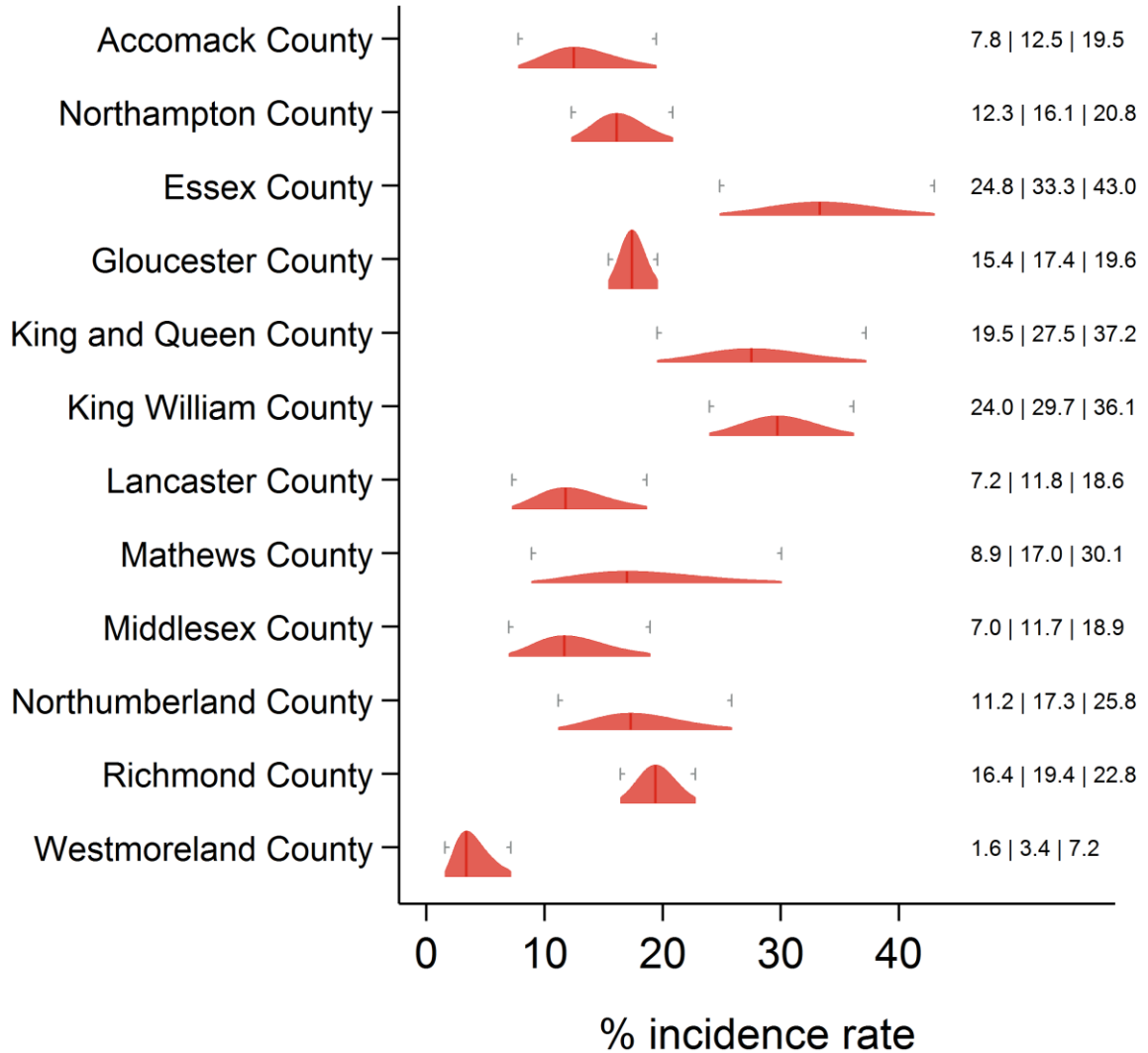| County	2-sided 95% LCB | Point Estimate | 2-sided 95% UCB
Chesterfield County	16.9 | 18.2 | 19.6
Powhatan County	17.6 | 20.3 | 23.3
Colonial Heights City	19.2 | 25.5 | 33.1
Charles City County	17.2 | 20.2 | 23.5
Goochland County	17.5 | 20.8 | 24.5
Hanover County	18.8 | 20.7 | 22.7
New Kent County	19.0 | 22.1 | 25.5
Henrico County	17.6 | 19.2 | 20.9
Richmond City	20.1 | 22.7 | 25.5

% incidence rate

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

Diagnosed with Depression
Crater, Peninsula and Hampton HDs

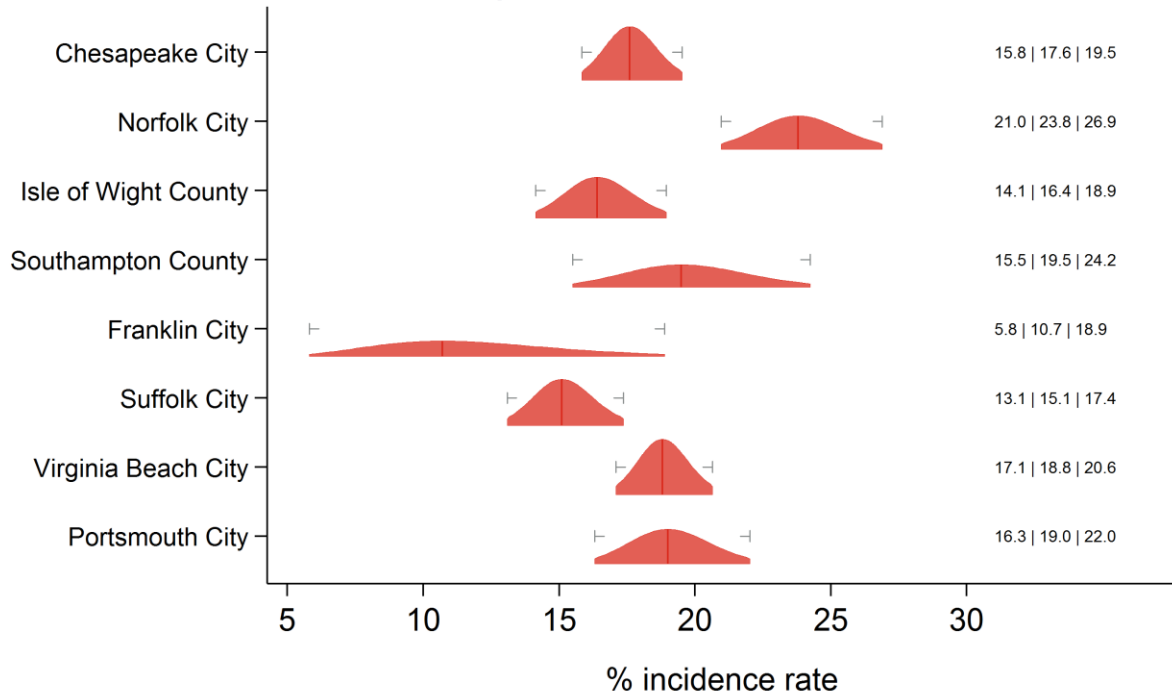| County/City	LCB | Point | UCB
Dinwiddie County	16.6 | 18.9 | 21.4
Greensville County	12.5 | 16.8 | 22.2
Prince George County	12.5 | 15.7 | 19.5
Surry County	8.9 | 11.9 | 15.7
Sussex County	11.9 | 14.0 | 16.4
Emporia City	29.2 | 41.3 | 54.5
Hopewell City	24.3 | 34.7 | 46.9
Petersburg City	22.4 | 28.0 | 34.3
Hampton City	14.6 | 16.8 | 19.3
James City County	10.7 | 13.9 | 17.8
York County	15.1 | 17.3 | 19.7
Newport News City	17.5 | 19.3 | 21.3
Poquoson City	13.5 | 16.6 | 20.3
Williamsburg City	18.4 | 30.4 | 45.8

% incidence rate

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

Diagnosed with Depression
Eastern Shore and Three Rivers HDs

County	LCB | Point Estimate | UCB
Accomack County	7.8 | 12.5 | 19.5
Northampton County	12.3 | 16.1 | 20.8
Essex County	24.8 | 33.3 | 43.0
Gloucester County	15.4 | 17.4 | 19.6
King and Queen County	19.5 | 27.5 | 37.2
King William County	24.0 | 29.7 | 36.1
Lancaster County	7.2 | 11.8 | 18.6
Mathews County	8.9 | 17.0 | 30.1
Middlesex County	7.0 | 11.7 | 18.9
Northumberland County	11.2 | 17.3 | 25.8
Richmond County	16.4 | 19.4 | 22.8
Westmoreland County	1.6 | 3.4 | 7.2

% incidence rate

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

Diagnosed with Depression
Norfolk,Portsmouth,Chesapeake,VA Beach,W. Tidewater HDs

Chesapeake City	15.8 | 17.6 | 19.5
Norfolk City	21.0 | 23.8 | 26.9
Isle of Wight County	14.1 | 16.4 | 18.9
Southampton County	15.5 | 19.5 | 24.2
Franklin City	5.8 | 10.7 | 18.9
Suffolk City	13.1 | 15.1 | 17.4
Virginia Beach City	17.1 | 18.8 | 20.6
Portsmouth City	16.3 | 19.0 | 22.0

% incidence rate

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: 53 areas.

Direct estimate is outside the 95% SAE Wilson CI: 80 areas.

SAE estimate is inside the 95% direct Wilson CI: 125 areas.

SAE estimate is outside the 95% direct Wilson CI: 8 areas.

SAE Wilson 95% CI is fully inside the 95% direct Wilson CI: 120 areas.

SAE Wilson 95% CI partially overlaps with the 95% direct Wilson CI: 13 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: 130 areas.

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

Direct standard error is zero: 2 areas.

Proportion of SAE variance due to ACS sampling error: min = 0.07%; med = 2.80%; max = 17.44%.

Proportion of SAE variance due to sampling error in regression coefficient estimates: min = 39.23%; med = 91.76%; max = 99.17%.

Proportion of SAE variance due to model selection: min = 0.31%; med = 4.55%; max = 60.71%.

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