Indicator 25: Diagnosed with pre-diabetes or borderline diabetes?

Internal variable name: outc25_prediab_diag

Definition: Have you ever been told by a doctor or other health professional that you have pre-diabetes or borderline diabetes?

Predictive models

	Mixed, demos only	Logit, no area effects	Mixed with area covariates
	b/se	b/se	b/se
Outcome 25: Diagnosed with pre-diabetes or borderline diabetes?			
NH Black vs. NH White	0.5457***	0.5441***	0.5441***
	(0.1244)	(0.1280)	(0.1228)
NH Asian vs. NH White	0.0924	0.0550	0.0550
	(0.3617)	(0.3285)	(0.3757)
NH Other vs. NH White	0.0961	0.0796	0.0796
	(0.2442)	(0.2221)	(0.2439)
Hispanic vs. NH White	0.8006***	0.7416**	0.7416**
	(0.2177)	(0.2356)	(0.2401)
Female	-0.0826	-0.0924	-0.0924
	(0.0946)	(0.0993)	(0.0941)
Age 18-34 vs. 65+	-1.8398***	-1.8690***	-1.8690***
	(0.2180)	(0.2038)	(0.2184)
Age 35-44 vs. 65+	-1.0758***	-1.0782***	-1.0782***
	(0.1757)	(0.1699)	(0.1762)
Age 45-54 vs. 65+	-0.2910*	-0.3033*	-0.3033*
	(0.1229)	(0.1365)	(0.1235)
Age 55-64 vs. 65+	-0.1507	-0.1499	-0.1499
	(0.0815)	(0.1177)	(0.0833)
VA BRFSS 2014 SAE outc8_heart_disease		7.4067**	7.4067**
		(2.7403)	(2.6629)
% Hispanic among adults 18 to 64		0.0176	0.0176
		(0.0122)	(0.0151)
o.% Hispanic among adults 18 to 64		0.0000	
		(.)	
Myeloma Female Rate		0.0432	0.0432
		(0.0289)	(0.0320)
c.ACS_pct_Hisp_18to64#c.MyelomaFemaleRate		0.0025	0.0025
		(0.0033)	(0.0038)
o.Myeloma Female Rate		0.0000	
		(.)	
c.MyelomaFemaleRate#c.MyelomaFemaleRate		-0.0011	-0.0011
		(0.0008)	(0.0011)
Intercept	-1.6671***	-2.3076***	-2.3076***

	(0.0922)	(0.1980)	(0.2075)
Area effect variance	0.0000 (0.0000)		0.0000** (0.0000)

Number of alternative models used to estimate model error = 7.

Results

County name	County FIPS	Direct estimate	Direct 95% CI	SAE composite	SAE CI
Augusta County	51015	13.2%	(6.2%, 25.9%)	12.3%	(10.3%, 14.6%)
Bath County	51017	9.8%	(1.8%, 47.7%)	13.2%	(10.3%, 16.7%)
Caroline County	51033	7.1%	(2.8%, 38.1%)	14.6%	(12.6%, 16.9%)
Clarke County	51043	10.7%	(2.1%, 40.0%)	9.5%	(7.9%, 11.4%)
Culpeper County	51047	6.8%	(3.2%, 21.1%)	13.6%	(12.4%, 14.9%)
Fauquier County	51061	9.4%	(4.9%, 23.5%)	11.0%	(9.7%, 12.4%)
Frederick County	51069	6.2%	(3.3%, 18.6%)	14.8%	(12.5%, 17.4%)
Highland County	51091	0.0%	(0.0%, 53.9%)	7.4%	(5.3%, 10.1%)
King George County	51099	4.2%	(1.6%, 48.1%)	14.0%	(11.7%, 16.7%)
Madison County	51113	16.2%	(3.9%, 47.8%)	9.7%	(7.9%, 11.9%)
Orange County	51137	31.7%	(16.0%, 53.2%)	14.4%	(12.5%, 16.6%)
Page County	51139	3.8%	(1.6%, 38.8%)	11.3%	(9.5%, 13.5%)
Rappahannock County	51157	15.9%	(2.3%, 60.7%)	9.8%	(8.1%, 11.7%)
Rockbridge County	51163	17.3%	(5.6%, 42.4%)	9.4%	(7.6%, 11.4%)
Rockingham County	51165	2.4%	(1.7%, 10.1%)	9.9%	(8.8%, 11.1%)
Shenandoah County	51171	5.3%	(2.7%, 20.5%)	13.8%	(12.2%, 15.6%)
Spotsylvania County	51177	12.6%	(5.1%, 27.6%)	14.1%	(12.6%, 15.6%)
Stafford County	51179	2.9%	(1.8%, 8.8%)	11.7%	(10.5%, 13.0%)
Warren County	51187	6.2%	(1.7%, 20.5%)	11.3%	(9.8%, 12.9%)
Buena Vista City	51530	0.0%	(0.0%, 57.5%)	9.6%	(6.7%, 13.5%)
Fredericksburg City	51630	11.1%	(3.2%, 31.8%)	9.4%	(7.8%, 11.3%)
Harrisonburg City	51660	1.6%	(0.8%, 49.3%)	15.5%	(11.3%, 20.7%)
Lexington City	51678	0.0%	(0.0%, 96.3%)	14.7%	(10.7%, 19.8%)
Staunton City	51790	35.1%	(7.3%, 78.8%)	17.1%	(12.6%, 22.7%)
Waynesboro City	51820	27.5%	(5.4%, 71.7%)	13.5%	(11.9%, 15.2%)
Winchester City	51840	2.0%	(0.7%, 63.6%)	11.4%	(8.7%, 14.8%)

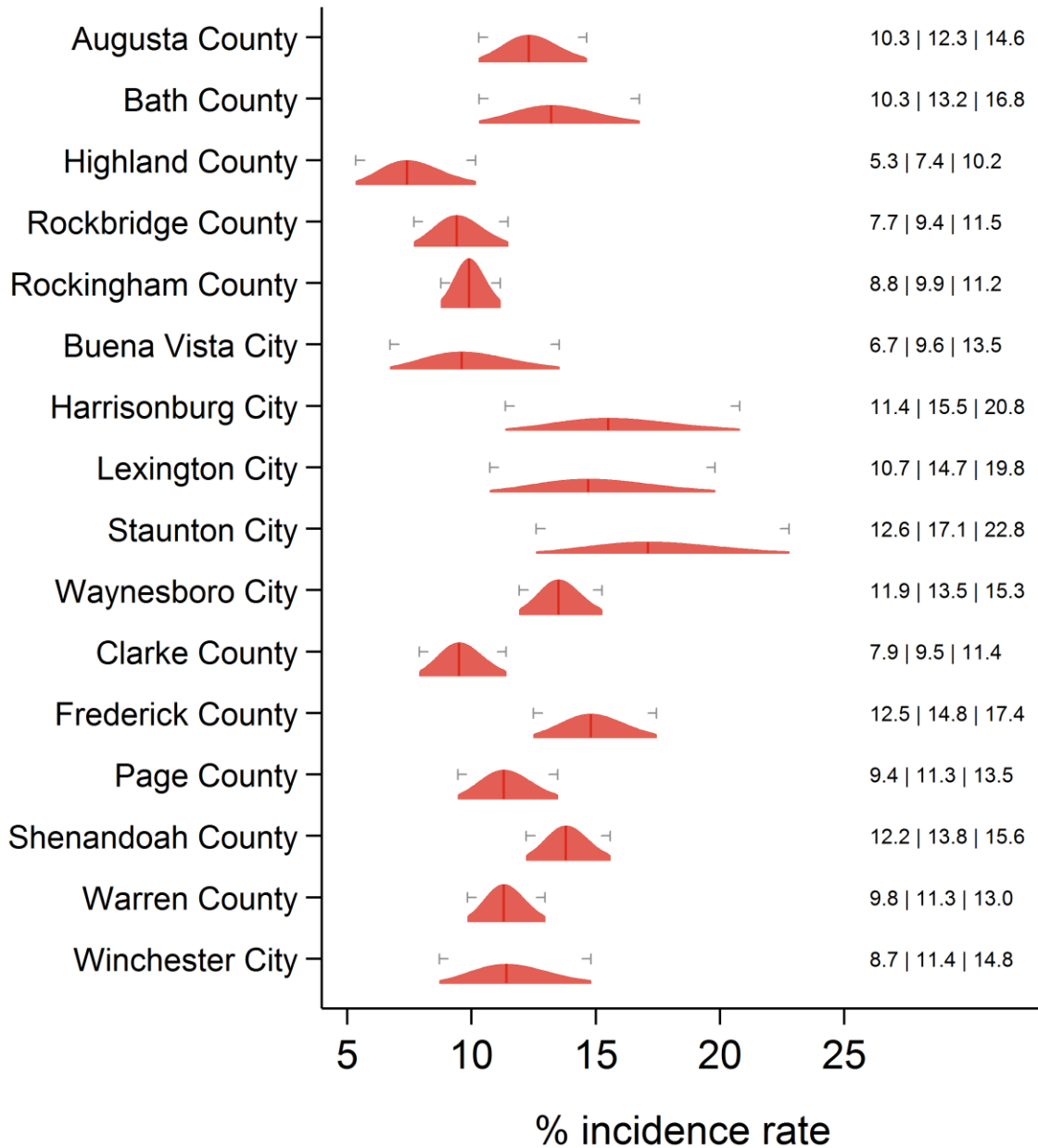| County name	County FIPS	Direct estimate	Direct 95% CI	SAE composite	SAE CI
Albemarle County	51003	7.7%	(4.6%, 15.7%)	9.4%	(8.2%, 10.9%)
Alleghany County	51005	11.9%	(5.4%, 46.9%)	10.5%	(8.7%, 12.6%)
Amherst County	51009	9.7%	(2.7%, 29.3%)	10.5%	(8.8%, 12.5%)
Appomattox County	51011	7.6%	(2.7%, 30.3%)	11.0%	(9.0%, 13.3%)
Arlington City	51013	11.6%	(6.1%, 20.8%)	11.9%	(10.3%, 13.6%)
Bedford County	51019	1.2%	(0.7%, 7.5%)	11.6%	(10.2%, 13.2%)
Botetourt County	51023	12.7%	(4.4%, 31.7%)	13.0%	(10.0%, 16.8%)
Campbell County	51031	6.5%	(2.7%, 14.9%)	10.3%	(8.8%, 11.9%)
Craig County	51045	9.9%	(1.4%, 81.3%)	8.8%	(6.8%, 11.3%)
Fairfax County	51059	11.3%	(8.6%, 14.8%)	13.4%	(11.8%, 15.2%)
Fluvanna County	51065	6.3%	(2.8%, 27.1%)	11.1%	(9.5%, 12.9%)
Greene County	51079	11.7%	(4.6%, 49.1%)	8.1%	(6.8%, 9.8%)
Loudoun County	51107	10.4%	(6.5%, 16.1%)	13.9%	(11.8%, 16.4%)
Louisa County	51109	21.6%	(9.8%, 41.1%)	14.3%	(11.6%, 17.6%)
Nelson County	51125	3.7%	(2.0%, 34.8%)	10.5%	(8.8%, 12.5%)
Prince William County	51153	15.6%	(11.1%, 21.4%)	17.1%	(14.1%, 20.5%)
Roanoke County	51161	6.2%	(3.9%, 13.9%)	10.7%	(9.2%, 12.5%)
Alexandria City	51510	12.5%	(7.4%, 20.3%)	12.1%	(9.9%, 14.6%)
Charlottesville City	51540	3.0%	(1.8%, 25.4%)	10.1%	(8.5%, 11.9%)
Covington City	51580	0.0%	(0.0%, 99.4%)	10.3%	(8.3%, 12.8%)
Fairfax City	51600	16.4%	(8.3%, 30.0%)	12.4%	(9.0%, 16.9%)
Falls Church City	51610	8.6%	(4.0%, 34.4%)	9.5%	(7.4%, 12.0%)
Lynchburg City	51680	5.6%	(2.0%, 14.5%)	10.8%	(9.1%, 12.9%)
Manassas City	51683	1.8%	(1.1%, 34.6%)	15.3%	(8.2%, 26.8%)
Manassas Park City	51685	0.0%	(-0.0%, 86.7%)	32.7%	(13.6%, 60.0%)
Salem City	51775	7.5%	(2.9%, 48.2%)	9.7%	(8.2%, 11.6%)

County name	County FIPS	Direct estimate	Direct 95% CI	SAE composite	SAE CI
Bland County	51021	7.5%	(2.1%, 51.8%)	11.4%	(9.1%, 14.3%)
Buchanan County	51027	28.2%	(10.0%, 58.2%)	18.4%	(11.4%, 28.3%)
Carroll County	51035	19.5%	(7.7%, 41.4%)	11.0%	(9.2%, 13.1%)
Dickenson County	51051	26.1%	(8.9%, 56.0%)	21.6%	(13.8%, 32.2%)
Floyd County	51063	3.3%	(2.0%, 22.6%)	6.7%	(5.2%, 8.6%)
Franklin County	51067	2.1%	(1.2%, 18.7%)	13.3%	(11.2%, 15.6%)
Giles County	51071	5.5%	(0.9%, 27.3%)	7.2%	(5.7%, 9.0%)
Grayson County	51077	12.5%	(4.0%, 33.1%)	9.7%	(8.0%, 11.7%)
Henry County	51089	4.7%	(1.2%, 16.4%)	15.5%	(13.6%, 17.6%)
Lee County	51105	1.9%	(1.0%, 35.9%)	10.1%	(8.4%, 12.1%)
Montgomery County	51121	9.5%	(4.9%, 17.8%)	8.5%	(7.3%, 9.8%)
Patrick County	51141	23.8%	(5.1%, 64.2%)	11.3%	(9.6%, 13.3%)
Pittsylvania County	51143	7.7%	(3.7%, 15.3%)	11.8%	(10.0%, 13.9%)
Pulaski County	51155	16.8%	(6.1%, 38.6%)	9.4%	(7.8%, 11.4%)
Russell County	51167	8.4%	(4.1%, 25.6%)	13.1%	(10.4%, 16.4%)
Scott County	51169	19.9%	(9.3%, 37.7%)	11.8%	(9.0%, 15.3%)
Smyth County	51173	1.1%	(0.6%, 38.1%)	9.8%	(8.0%, 11.9%)
Tazewell County	51185	4.1%	(2.2%, 20.1%)	11.1%	(8.9%, 13.6%)
Washington County	51191	3.9%	(2.4%, 13.7%)	9.6%	(7.8%, 11.7%)
Wise County	51195	10.6%	(3.8%, 26.1%)	14.1%	(10.7%, 18.2%)
Wythe County	51197	18.6%	(7.0%, 40.8%)	17.1%	(12.0%, 23.7%)
Bristol City	51520	0.0%	(0.0%, 78.7%)	14.8%	(10.5%, 20.4%)
Danville City	51590	3.2%	(1.3%, 26.2%)	14.6%	(12.7%, 16.7%)
Galax City	51640	0.0%	(0.0%, 91.3%)	26.8%	(16.4%, 40.7%)
Martinsville City	51690	0.0%	(0.0%, 54.3%)	10.8%	(9.1%, 12.7%)
Norton City	51720	36.6%	(4.7%, 87.0%)	20.2%	(12.2%, 31.5%)
Radford City	51750	42.8%	(10.8%, 82.2%)	12.4%	(7.6%, 19.4%)
Roanoke City	51770	9.1%	(4.4%, 17.9%)	13.5%	(11.9%, 15.3%)

County name	County FIPS	Direct estimate	Direct 95% CI	SAE composite	SAE CI
Amelia County	51007	3.9%	(2.1%, 37.0%)	16.3%	(11.9%, 22.0%)
Brunswick County	51025	8.7%	(3.0%, 36.4%)	12.2%	(9.7%, 15.3%)
Buckingham County	51029	13.6%	(5.3%, 31.0%)	10.5%	(8.2%, 13.2%)
Charles City County	51036	42.3%	(8.7%, 85.0%)	16.4%	(10.6%, 24.6%)
Charlotte County	51037	28.3%	(13.5%, 50.0%)	19.0%	(11.6%, 29.6%)
Chesterfield County	51041	14.1%	(9.6%, 20.3%)	16.1%	(14.0%, 18.4%)
Cumberland County	51049	15.3%	(5.5%, 35.8%)	10.7%	(8.7%, 13.2%)
Dinwiddie County	51053	3.3%	(1.9%, 35.0%)	15.8%	(12.9%, 19.2%)
Goochland County	51075	4.2%	(2.2%, 29.2%)	16.2%	(12.6%, 20.7%)
Greensville County	51081	0.0%	(0.0%, 40.9%)	11.5%	(9.8%, 13.4%)
Halifax County	51083	7.4%	(3.9%, 23.7%)	11.2%	(9.4%, 13.3%)
Hanover County	51085	15.5%	(8.1%, 27.6%)	12.9%	(11.4%, 14.7%)
Henrico County	51087	11.0%	(7.3%, 16.3%)	13.2%	(11.8%, 14.7%)
Lunenburg County	51111	17.1%	(5.5%, 42.6%)	12.3%	(10.5%, 14.5%)
Mecklenburg County	51117	9.4%	(3.9%, 20.7%)	13.7%	(12.0%, 15.7%)
New Kent County	51127	7.5%	(2.6%, 34.9%)	10.2%	(8.5%, 12.2%)
Nottoway County	51135	18.8%	(5.5%, 48.1%)	15.5%	(13.4%, 17.9%)
Powhatan County	51145	10.9%	(2.7%, 35.3%)	12.3%	(10.3%, 14.7%)
Prince Edward County	51147	9.1%	(2.3%, 30.2%)	10.8%	(9.1%, 12.8%)
Prince George County	51149	9.4%	(3.5%, 22.8%)	21.8%	(16.8%, 27.8%)
Surry County	51181	5.1%	(1.8%, 46.0%)	19.6%	(13.2%, 28.1%)
Sussex County	51183	10.8%	(3.9%, 26.6%)	11.8%	(10.1%, 13.9%)
Colonial Heights City	51570	10.5%	(5.4%, 32.7%)	14.1%	(11.6%, 16.9%)
Emporia City	51595	0.0%	(0.0%, 99.4%)	20.8%	(8.7%, 42.1%)
Hopewell City	51670	11.6%	(2.6%, 39.5%)	15.5%	(12.4%, 19.2%)
Petersburg City	51730	9.8%	(3.3%, 25.4%)	11.1%	(9.2%, 13.4%)
Richmond City	51760	8.3%	(4.6%, 14.4%)	14.8%	(12.5%, 17.6%)

County name	County FIPS	Direct estimate	Direct 95% CI	SAE composite	SAE CI
Accomack County	51001	8.2%	(3.2%, 19.4%)	19.8%	(15.9%, 24.4%)
Essex County	51057	37.8%	(11.5%, 74.0%)	17.1%	(12.5%, 23.1%)
Gloucester County	51073	6.8%	(2.9%, 15.4%)	13.3%	(11.7%, 15.0%)
Isle of Wight County	51093	15.5%	(4.2%, 43.2%)	13.1%	(10.9%, 15.6%)
James City County	51095	11.0%	(5.5%, 20.7%)	12.2%	(10.3%, 14.5%)
King and Queen County	51097	13.4%	(3.8%, 52.5%)	14.5%	(11.6%, 18.1%)
King William County	51101	35.3%	(13.9%, 64.8%)	16.1%	(11.3%, 22.4%)
Lancaster County	51103	3.1%	(1.9%, 26.8%)	12.7%	(10.5%, 15.4%)
Mathews County	51115	17.6%	(5.2%, 45.6%)	13.8%	(10.8%, 17.3%)
Middlesex County	51119	23.9%	(8.8%, 50.6%)	16.1%	(11.2%, 22.6%)
Northampton County	51131	15.1%	(4.8%, 38.5%)	12.4%	(10.6%, 14.3%)
Northumberland County	51133	1.6%	(0.9%, 25.0%)	11.5%	(9.4%, 14.1%)
Richmond County	51159	1.0%	(0.6%, 29.0%)	12.9%	(11.0%, 15.0%)
Southampton County	51175	2.1%	(1.1%, 33.0%)	14.3%	(11.9%, 17.1%)
Westmoreland County	51193	22.0%	(7.3%, 50.3%)	21.9%	(16.8%, 27.9%)
York County	51199	9.3%	(2.8%, 26.5%)	11.7%	(10.0%, 13.7%)
Chesapeake City	51550	10.9%	(6.1%, 18.6%)	10.9%	(9.6%, 12.3%)
Franklin City	51620	1.8%	(1.0%, 25.3%)	12.3%	(2.6%, 42.7%)
Hampton City	51650	11.8%	(7.1%, 19.1%)	12.1%	(10.3%, 14.0%)
Newport News City	51700	11.5%	(5.2%, 23.5%)	14.6%	(13.0%, 16.4%)
Norfolk City	51710	9.7%	(5.6%, 16.3%)	10.5%	(9.3%, 11.9%)
Poquoson City	51735	5.4%	(1.0%, 79.3%)	10.9%	(9.2%, 13.0%)
Portsmouth City	51740	9.2%	(4.8%, 17.0%)	11.1%	(9.6%, 12.9%)
Suffolk City	51800	6.4%	(3.6%, 17.2%)	13.9%	(12.3%, 15.8%)
Virginia Beach City	51810	10.1%	(6.9%, 14.4%)	12.6%	(11.3%, 14.0%)
Williamsburg City	51830	0.0%	(0.0%, 82.6%)	23.1%	(12.6%, 38.6%)

Graphical representation

Diagnosed with pre/borderline diabetes Central Shenandoah and Lord Fairfax HDs

County		2-sided 95% LCB | Point Estimate | 2-sided 95% UCB
Augusta County		10.3 | 12.3 | 14.6
Bath County		10.3 | 13.2 | 16.8
Highland County		5.3 | 7.4 | 10.2
Rockbridge County		7.7 | 9.4 | 11.5
Rockingham County		8.8 | 9.9 | 11.2
Buena Vista City		6.7 | 9.6 | 13.5
Harrisonburg City		11.4 | 15.5 | 20.8
Lexington City		10.7 | 14.7 | 19.8
Staunton City		12.6 | 17.1 | 22.8
Waynesboro City		11.9 | 13.5 | 15.3
Clarke County		7.9 | 9.5 | 11.4
Frederick County		12.5 | 14.8 | 17.4
Page County		9.4 | 11.3 | 13.5
Shenandoah County		12.2 | 13.8 | 15.6
Warren County		9.8 | 11.3 | 13.0
Winchester City		8.7 | 11.4 | 14.8

% incidence rate

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

Diagnosed with pre/borderline diabetes
Rappahannock/Rapidan and Rappahannock HDs
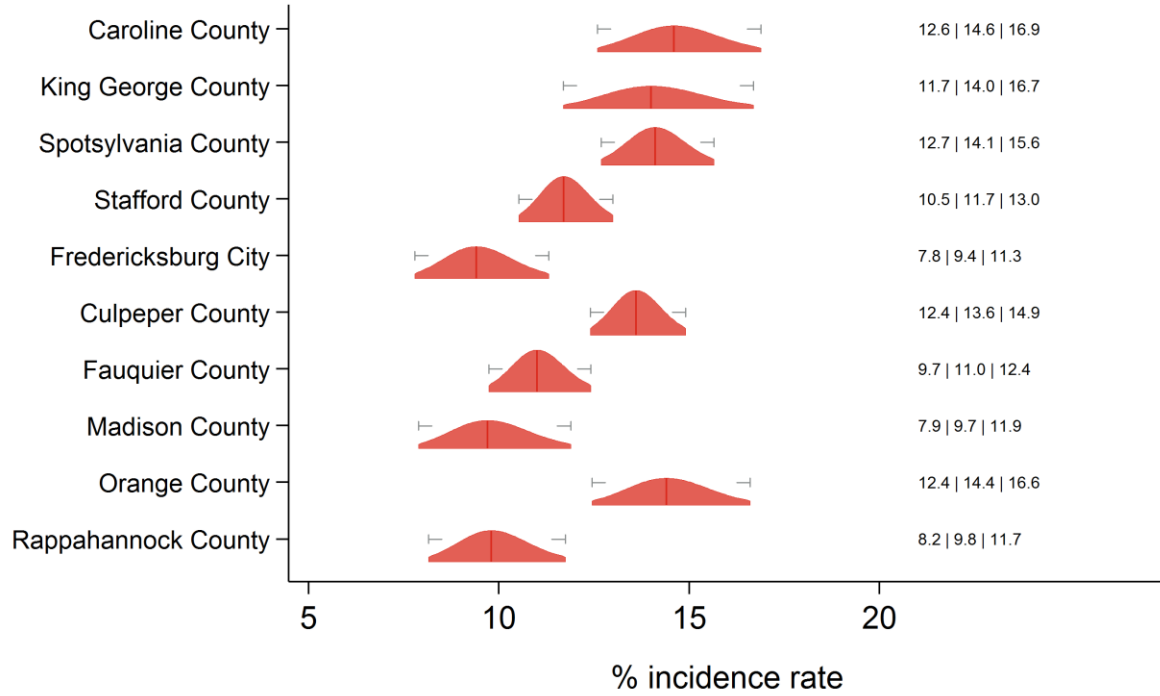
County	2-sided 95% LCB | Point Estimate | 2-sided 95% UCB
Caroline County	12.6 | 14.6 | 16.9
King George County	11.7 | 14.0 | 16.7
Spotsylvania County	12.7 | 14.1 | 15.6
Stafford County	10.5 | 11.7 | 13.0
Fredericksburg City	7.8 | 9.4 | 11.3
Culpeper County	12.4 | 13.6 | 14.9
Fauquier County	9.7 | 11.0 | 12.4
Madison County	7.9 | 9.7 | 11.9
Orange County	12.4 | 14.4 | 16.6
Rappahannock County	8.2 | 9.8 | 11.7

% incidence rate

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

Diagnosed with pre/borderline diabetes Thomas Jefferson and Piedmont HDs

County	LCB | Point | UCB
Albemarle County	8.1 | 9.4 | 10.8
Fluvanna County	9.5 | 11.1 | 12.9
Greene County	6.7 | 8.1 | 9.7
Louisa County	11.5 | 14.3 | 17.6
Nelson County	8.8 | 10.5 | 12.5
Charlottesville City	8.5 | 10.1 | 11.9
Amelia County	11.9 | 16.3 | 22.0
Buckingham County	8.3 | 10.5 | 13.3
Charlotte County	11.5 | 19.0 | 29.8
Cumberland County	8.7 | 10.7 | 13.2
Lunenburg County	10.5 | 12.3 | 14.4
Nottoway County	13.4 | 15.5 | 17.9
Prince Edward County	9.1 | 10.8 | 12.8

% incidence rate

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

Diagnosed with pre/borderline diabetes
Alexandria, Fairfax, Arlington, Loudon, Prince William HDs

Alexandria City	9.9 | 12.1 | 14.6
Arlington City	10.4 | 11.9 | 13.6
Fairfax County	11.8 | 13.4 | 15.2
Fairfax City	9.0 | 12.4 | 16.9
Falls Church City	7.5 | 9.5 | 12.0
Loudoun County	11.7 | 13.9 | 16.4
Prince William County	14.2 | 17.1 | 20.5
Manassas City	8.1 | 15.3 | 27.1
Manassas Park City	12.5 | 32.7 | 62.3

% incidence rate

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

Diagnosed with pre/borderline diabetes
Alleghany, Roanoke and Central Virginia HDs

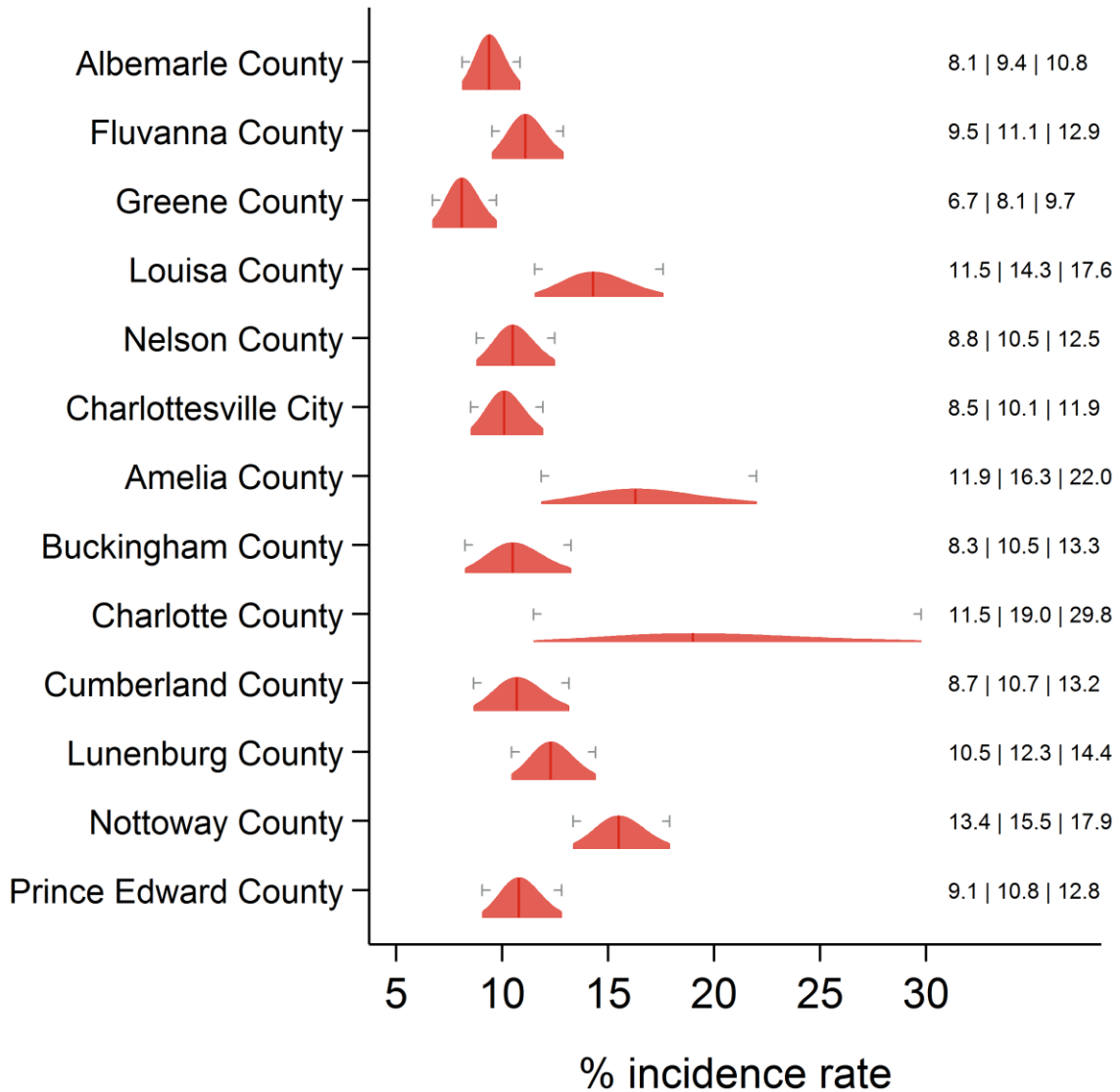| County/City	Distribution	2-sided 95% LCB | Point Estimate | 2-sided 95% UCB
Alleghany County		8.7 | 10.5 | 12.6
Botetourt County		10.0 | 13.0 | 16.8
Craig County		6.8 | 8.8 | 11.3
Roanoke County		9.2 | 10.7 | 12.5
Covington City		8.3 | 10.3 | 12.8
Salem City		8.1 | 9.7 | 11.5
Amherst County		8.8 | 10.5 | 12.5
Appomattox County		9.0 | 11.0 | 13.4
Bedford County		10.2 | 11.6 | 13.2
Campbell County		8.8 | 10.3 | 12.0
Lynchburg City		9.0 | 10.8 | 12.8
Roanoke City		11.9 | 13.5 | 15.3

% incidence rate

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

Diagnosed with pre/borderline diabetes
Cumberland Plateau and Lenowisco HDs

County	LCB | Point | UCB
Buchanan County	11.3 | 18.4 | 28.4
Dickenson County	13.7 | 21.6 | 32.3
Russell County	10.4 | 13.1 | 16.4
Tazewell County	8.9 | 11.1 | 13.7
Lee County	8.4 | 10.1 | 12.1
Scott County	9.0 | 11.8 | 15.4
Wise County	10.7 | 14.1 | 18.3
Norton City	12.1 | 20.2 | 31.8

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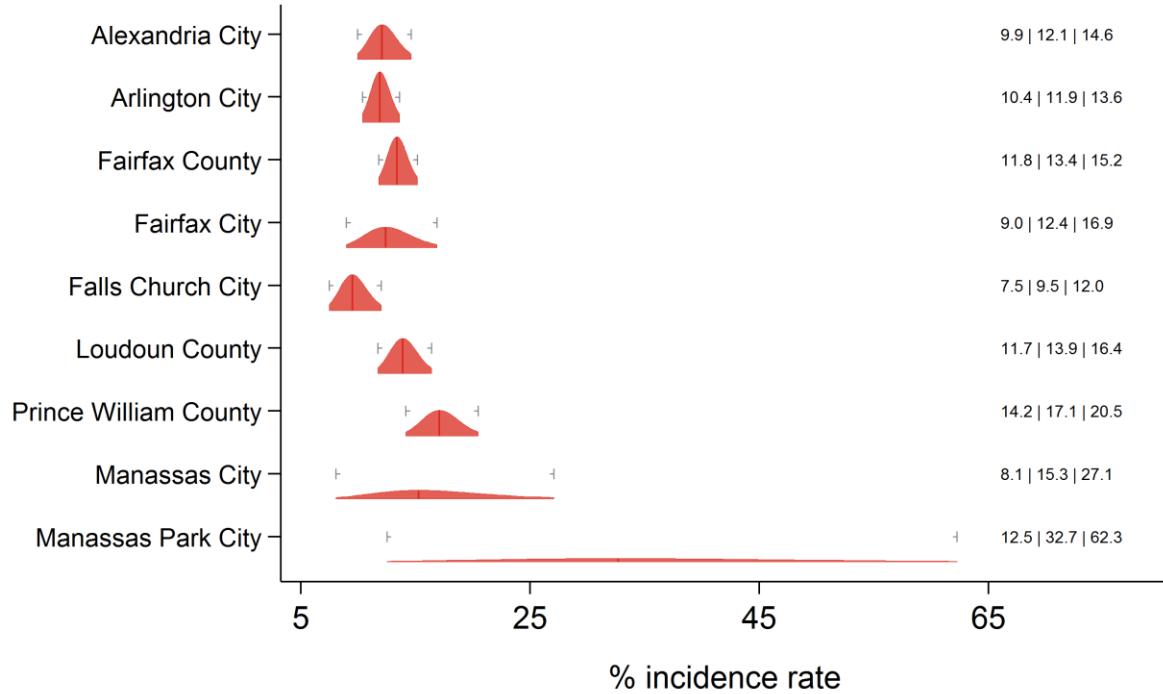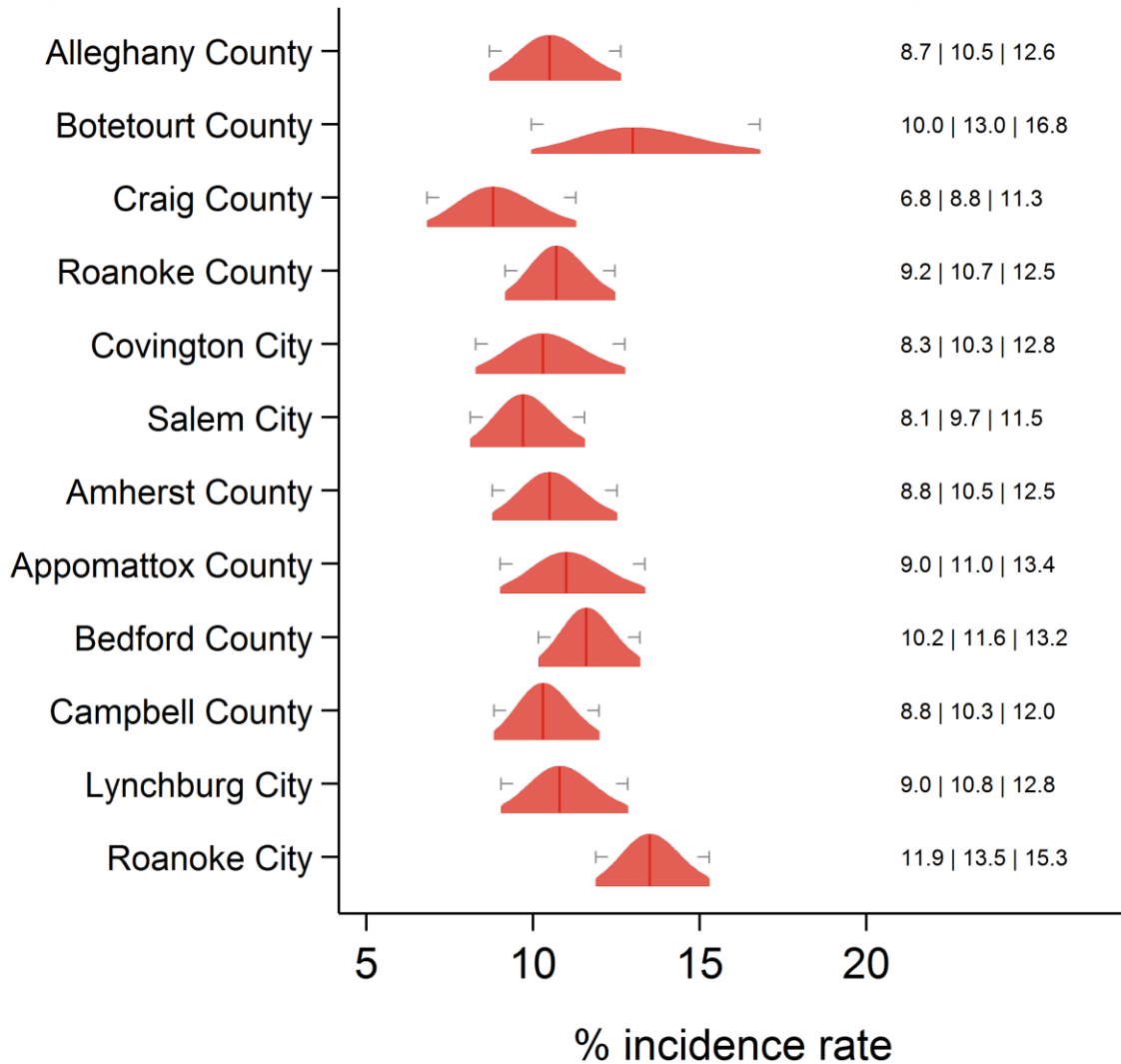
Text at right: 2-sided 95% LCB | Point Estimate | 2-sided 95% UCB
Gray markers: 95% confidence interval

Diagnosed with pre/borderline diabetes
Pittsylvania/Danville, Southside and West Piedmont HDs

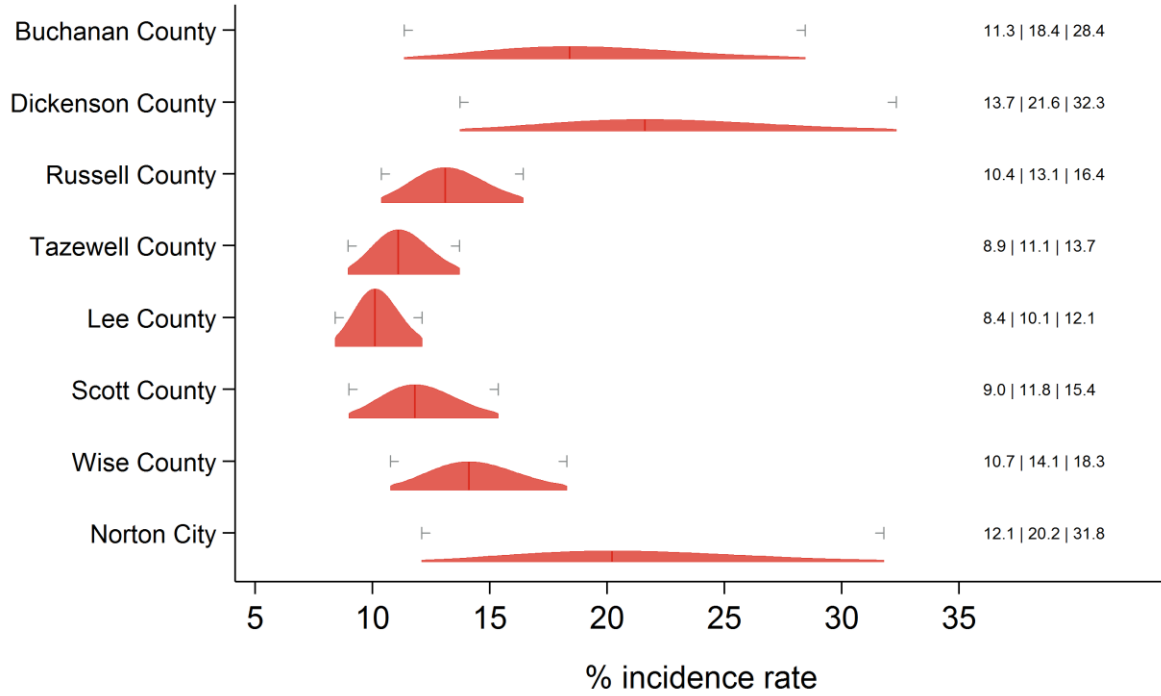|	
Pittsylvania County	10.0 | 11.8 | 13.9
Danville City	12.7 | 14.6 | 16.8
Franklin County	11.3 | 13.3 | 15.6
Henry County	13.6 | 15.5 | 17.6
Patrick County	9.6 | 11.3 | 13.3
Martinsville City	9.1 | 10.8 | 12.7
Brunswick County	9.7 | 12.2 | 15.2
Halifax County	9.4 | 11.2 | 13.3
Mecklenburg County	11.9 | 13.7 | 15.7

% incidence rate

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

Diagnosed with pre/borderline diabetes New River and Mount Rogers HDs

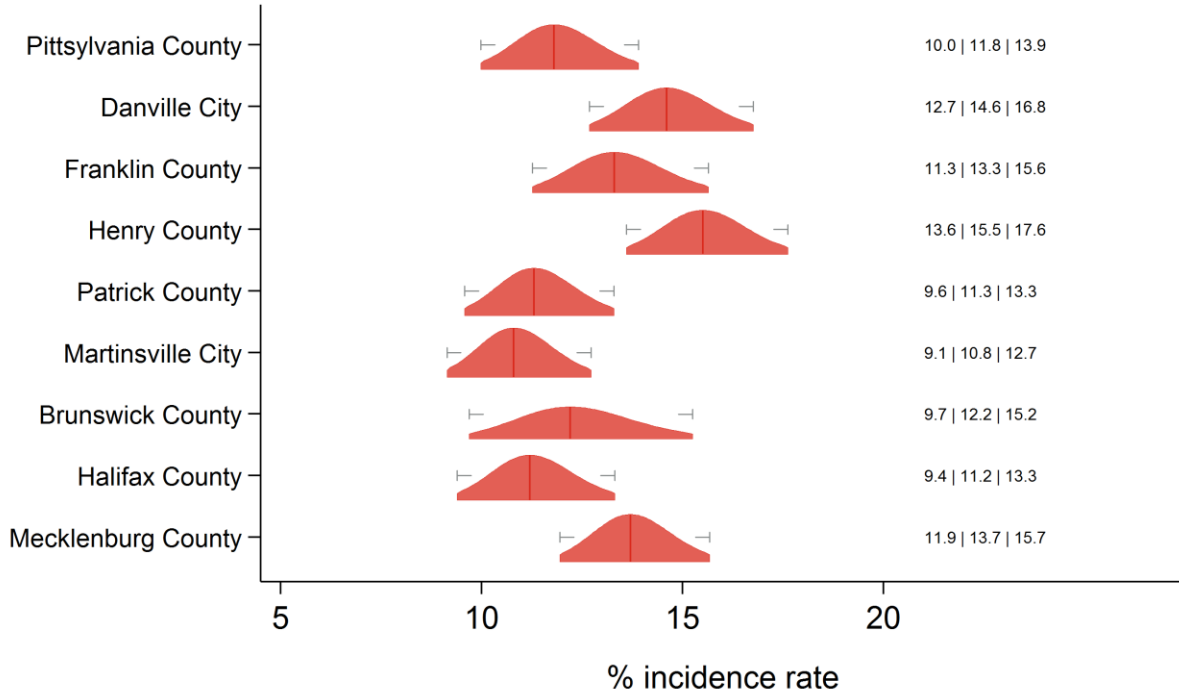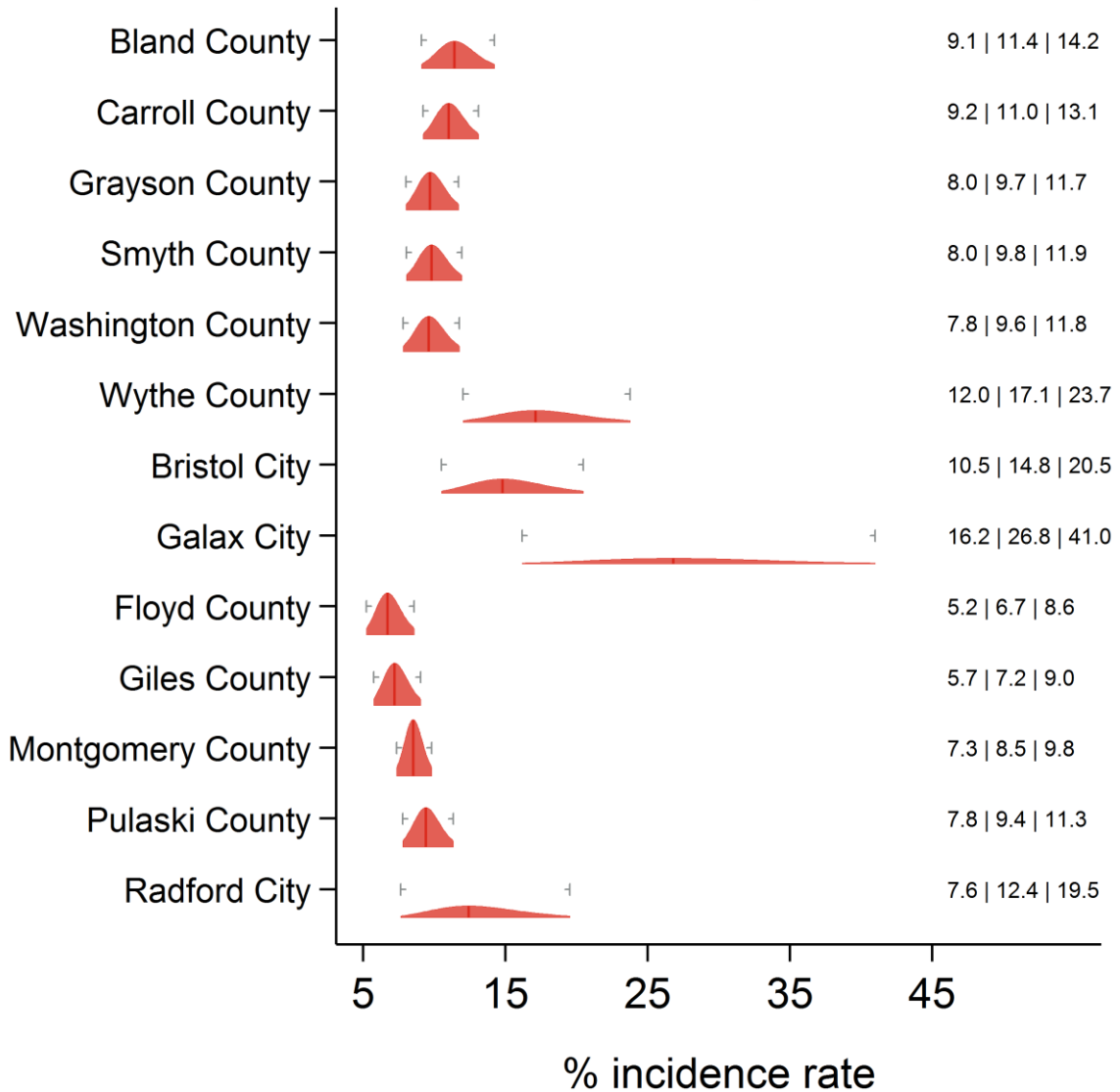| County		
Bland County		9.1 | 11.4 | 14.2
Carroll County		9.2 | 11.0 | 13.1
Grayson County		8.0 | 9.7 | 11.7
Smyth County		8.0 | 9.8 | 11.9
Washington County		7.8 | 9.6 | 11.8
Wythe County		12.0 | 17.1 | 23.7
Bristol City		10.5 | 14.8 | 20.5
Galax City		16.2 | 26.8 | 41.0
Floyd County		5.2 | 6.7 | 8.6
Giles County		5.7 | 7.2 | 9.0
Montgomery County		7.3 | 8.5 | 9.8
Pulaski County		7.8 | 9.4 | 11.3
Radford City		7.6 | 12.4 | 19.5

% incidence rate

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

Diagnosed with pre/borderline diabetes
Chesterfield, Chickahominy, Henrico and Richmond HDs

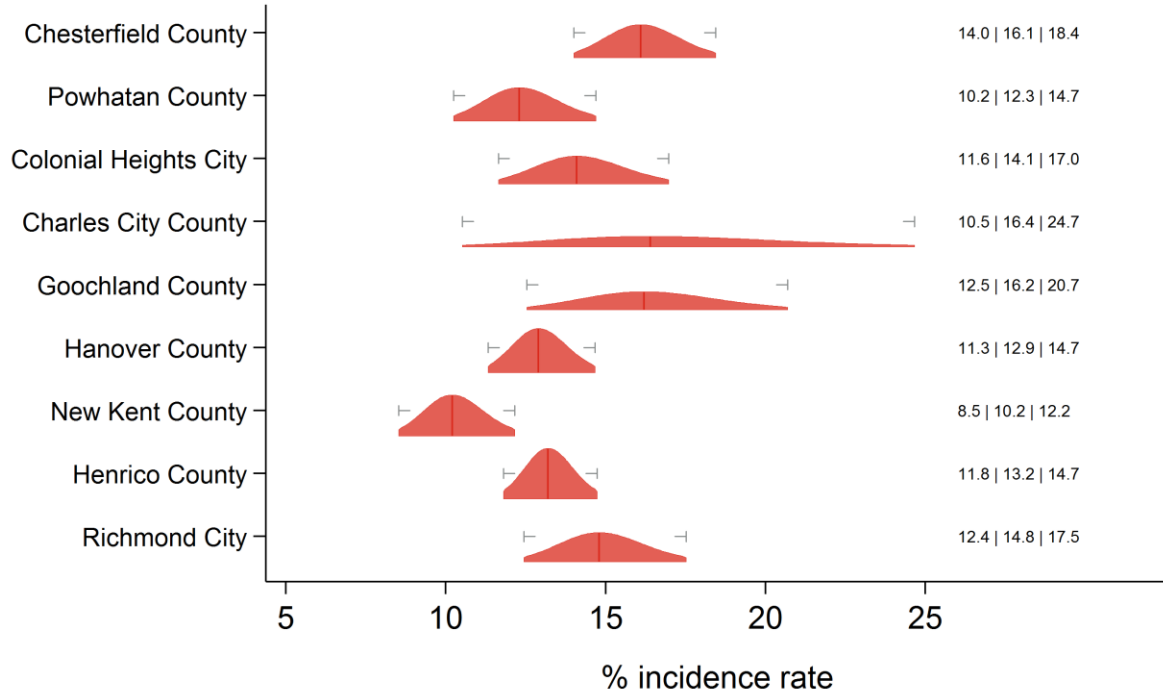| County/City	LCB | Point | UCB
Chesterfield County	14.0 | 16.1 | 18.4
Powhatan County	10.2 | 12.3 | 14.7
Colonial Heights City	11.6 | 14.1 | 17.0
Charles City County	10.5 | 16.4 | 24.7
Goochland County	12.5 | 16.2 | 20.7
Hanover County	11.3 | 12.9 | 14.7
New Kent County	8.5 | 10.2 | 12.2
Henrico County	11.8 | 13.2 | 14.7
Richmond City	12.4 | 14.8 | 17.5

% incidence rate

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

Diagnosed with pre/borderline diabetes Crater, Peninsula and Hampton HDs

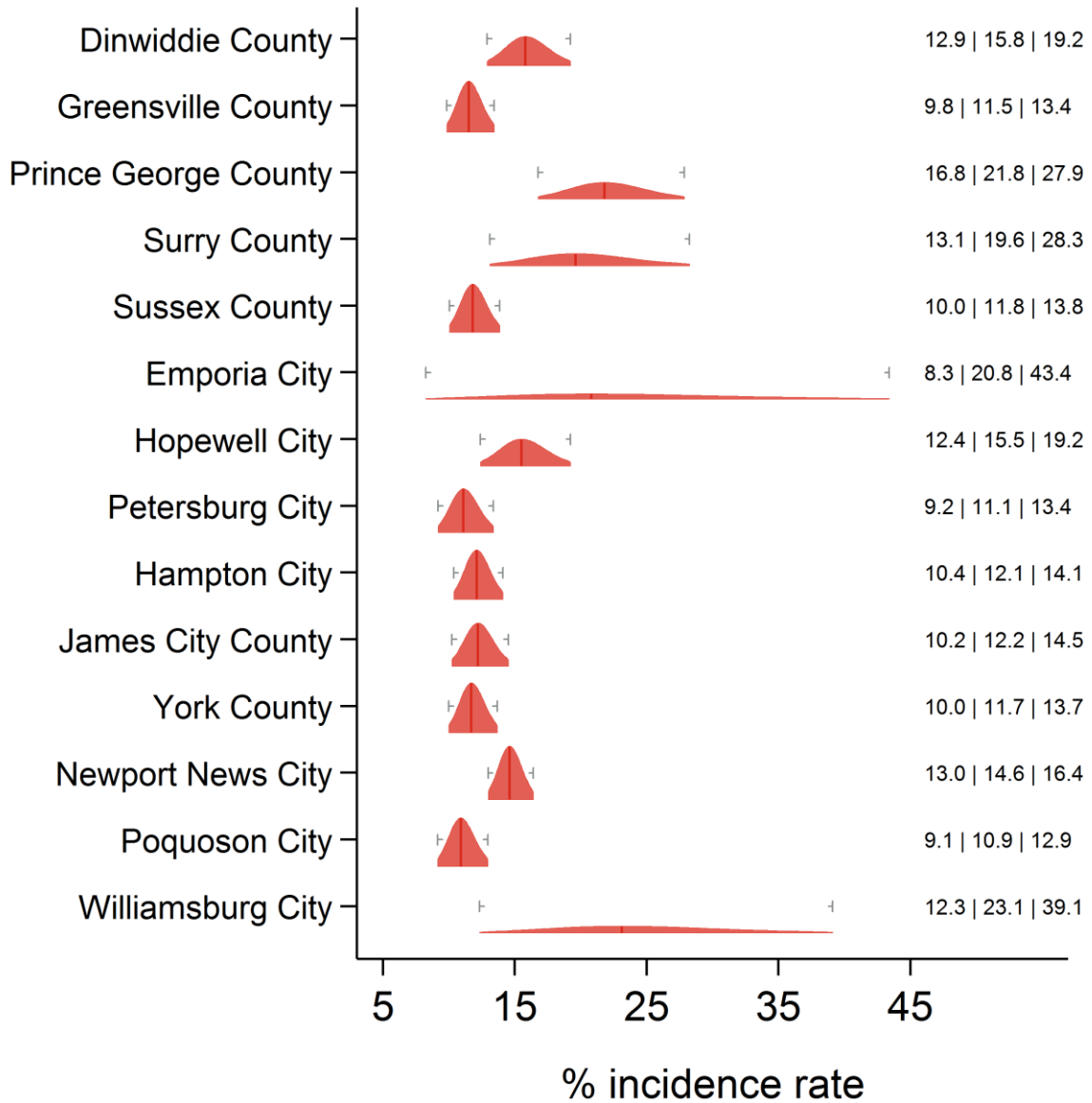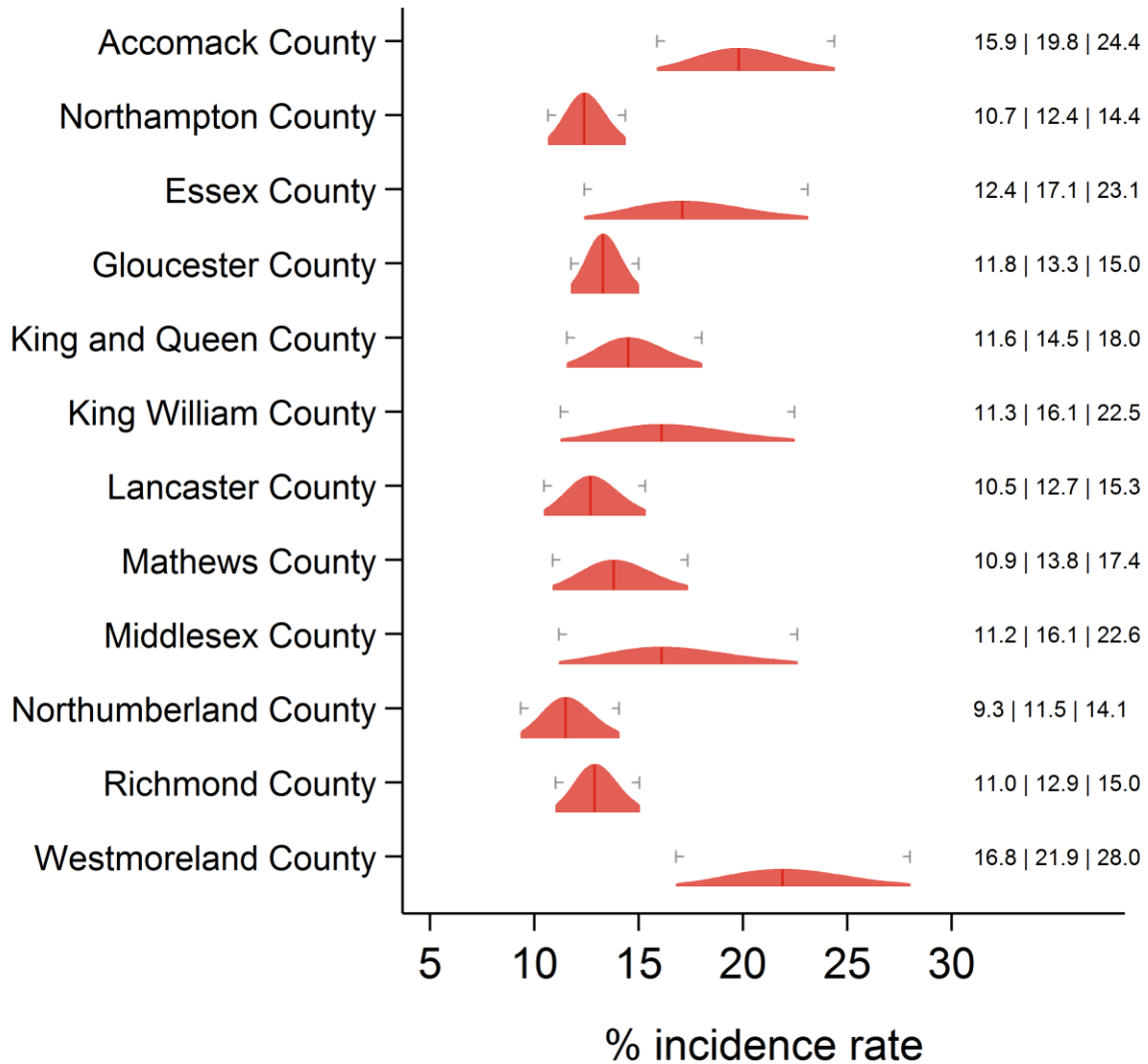| County/City	LCB | Point | UCB
Dinwiddie County	12.9 | 15.8 | 19.2
Greensville County	9.8 | 11.5 | 13.4
Prince George County	16.8 | 21.8 | 27.9
Surry County	13.1 | 19.6 | 28.3
Sussex County	10.0 | 11.8 | 13.8
Emporia City	8.3 | 20.8 | 43.4
Hopewell City	12.4 | 15.5 | 19.2
Petersburg City	9.2 | 11.1 | 13.4
Hampton City	10.4 | 12.1 | 14.1
James City County	10.2 | 12.2 | 14.5
York County	10.0 | 11.7 | 13.7
Newport News City	13.0 | 14.6 | 16.4
Poquoson City	9.1 | 10.9 | 12.9
Williamsburg City	12.3 | 23.1 | 39.1

% incidence rate

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

Diagnosed with pre/borderline diabetes Eastern Shore and Three Rivers HDs

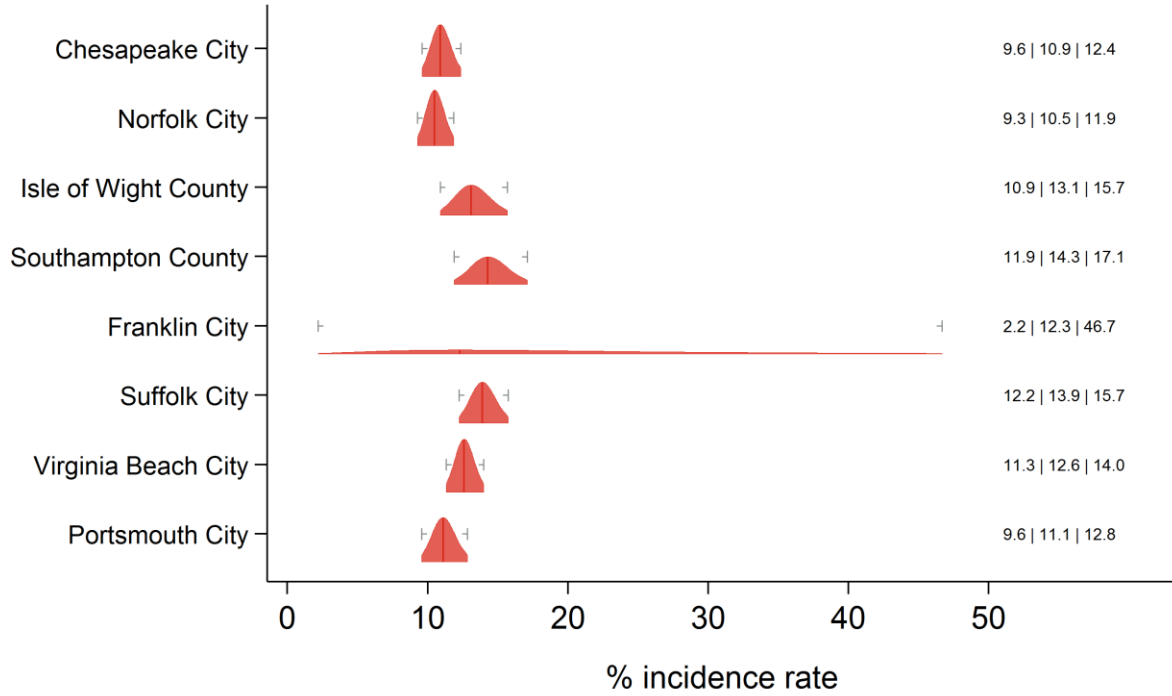| County	LCB | Point Estimate | UCB
Accomack County	15.9 | 19.8 | 24.4
Northampton County	10.7 | 12.4 | 14.4
Essex County	12.4 | 17.1 | 23.1
Gloucester County	11.8 | 13.3 | 15.0
King and Queen County	11.6 | 14.5 | 18.0
King William County	11.3 | 16.1 | 22.5
Lancaster County	10.5 | 12.7 | 15.3
Mathews County	10.9 | 13.8 | 17.4
Middlesex County	11.2 | 16.1 | 22.6
Northumberland County	9.3 | 11.5 | 14.1
Richmond County	11.0 | 12.9 | 15.0
Westmoreland County	16.8 | 21.9 | 28.0

% incidence rate

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

Diagnosed with pre/borderline diabetes
Norfolk,Portsmouth,Chesapeake,VA Beach,W. Tidewater HDs

Location	LCB	Point	UCB
Chesapeake City	9.6	10.9	12.4
Norfolk City	9.3	10.5	11.9
Isle of Wight County	10.9	13.1	15.7
Southampton County	11.9	14.3	17.1
Franklin City	2.2	12.3	46.7
Suffolk City	12.2	13.9	15.7
Virginia Beach City	11.3	12.6	14.0
Portsmouth City	9.6	11.1	12.8

% 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: 29 areas.

Direct estimate is outside the 95% SAE Wilson CI: 104 areas.

SAE estimate is inside the 95% direct Wilson CI: 128 areas.

SAE estimate is outside the 95% direct Wilson CI: 5 areas.

SAE Wilson 95% CI is fully inside the 95% direct Wilson CI: 118 areas.

SAE Wilson 95% CI partially overlaps with the 95% direct Wilson CI: 15 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: 119 areas.

SAE standard error is greater that the (nonzero) direct standard error: 3 areas.

Direct standard error is zero: 11 areas.

Proportion of SAE variance due to ACS sampling error: min = 0.05%; med = 2.71%; max = 13.95%.

Proportion of SAE variance due to sampling error in regression coefficient estimates: min = 27.77%; med = 93.66%; max = 99.39%.

Proportion of SAE variance due to model selection: min = 0.30%; med = 2.62%; max = 71.41%.

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