Outcome 19: Have you had a test for high blood sugar or diabetes within the past

Internal variable name: outc19_diabetes_test

Definition: Have you had a test for high blood sugar or diabetes within the past three years?

Predictive models

	Mixed, demos only	Logit, no area effects	Mixed with area covariates
	b/se	b/se	b/se
Outcome 19: Have you had a test for high blood sugar or diabetes within the past			
NH White	0.0000	0.0000	0.0000
	(.)	(.)	(.)
NH Black vs. NH White	0.2839**	0.2855**	0.2839**
	(0.0951)	(0.0957)	(0.0951)
NH Asian vs. NH White	-0.2159	-0.2166	-0.2159
	(0.1175)	(0.1976)	(0.1175)
NH Other vs. NH White	0.1272	0.1274	0.1272
	(0.1285)	(0.1559)	(0.1285)
Hispanic vs. NH White	-0.0258	-0.0253	-0.0258
	(0.1353)	(0.1413)	(0.1353)
SEX OF RESPONDENT=1	0.0000	0.0000	0.0000
	(.)	(.)	(.)
Female	0.0155	0.0156	0.0155
	(0.0602)	(0.0702)	(0.0602)
Age 18-34 vs. 65+	-1.4262***	-1.4250***	-1.4262***
	(0.0918)	(0.1015)	(0.0918)
Age 35-44 vs. 65+	-0.6509***	-0.6503***	-0.6509***
	(0.0899)	(0.1061)	(0.0899)
Age 45-54 vs. 65+	-0.1918	-0.1914	-0.1918
	(0.1074)	(0.1027)	(0.1074)
Age 55-64 vs. 65+	0.0788	0.0792	0.0788
	(0.1018)	(0.0971)	(0.1018)
65+	0.0000	0.0000	0.0000
	(.)	(.)	(.)
_cons	0.6415***	0.6413***	0.6415***
	(0.0649)	(0.0737)	(0.0649)
Area effect variance			
var(_cons[FIPS_county])	0.0024		0.0024
	(0.0264)		(0.0264)

Number of alternative models used to estimate model error = 5.

Results by health districts

County name	County FIPS	Direct estimate	Direct 95% CI	SAE composite	SAE CI
Augusta County	51015	45.7%	(34.0%, 58.0%)	58.7%	(55.9%, 61.4%)
Bath County	51017	70.4%	(31.8%, 92.4%)	59.4%	(55.1%, 63.6%)
Caroline County	51033	55.2%	(26.7%, 80.6%)	59.8%	(57.3%, 62.2%)
Clarke County	51043	76.8%	(40.7%, 94.1%)	59.6%	(56.7%, 62.5%)
Culpeper County	51047	42.3%	(23.2%, 63.9%)	59.9%	(57.2%, 62.5%)
Fauquier County	51061	45.3%	(30.7%, 60.7%)	59.7%	(57.0%, 62.4%)
Frederick County	51069	50.4%	(36.3%, 64.5%)	59.1%	(56.2%, 61.9%)
Highland County	51091	51.1%	(13.8%, 87.2%)	59.3%	(55.1%, 63.3%)
King George County	51099	86.1%	(58.1%, 94.4%)	60.1%	(57.3%, 62.9%)
Madison County	51113	78.6%	(49.6%, 93.2%)	60.4%	(57.5%, 63.3%)
Orange County	51137	66.1%	(44.2%, 82.8%)	60.4%	(57.6%, 63.2%)
Page County	51139	55.7%	(28.9%, 79.5%)	59.9%	(55.9%, 63.7%)
Rappahannock County	51157	56.3%	(14.0%, 91.0%)	60.2%	(57.2%, 63.2%)
Rockbridge County	51163	39.1%	(20.5%, 61.5%)	59.0%	(56.1%, 61.7%)
Rockingham County	51165	38.3%	(25.2%, 53.4%)	54.4%	(51.5%, 57.4%)
Shenandoah County	51171	67.4%	(50.5%, 80.8%)	60.2%	(57.2%, 63.1%)
Spotsylvania County	51177	60.5%	(47.8%, 71.9%)	59.8%	(57.1%, 62.4%)
Stafford County	51179	50.5%	(38.7%, 62.2%)	57.9%	(55.2%, 60.5%)
Warren County	51187	63.0%	(44.1%, 78.6%)	60.0%	(56.9%, 63.0%)
Buena Vista City	51530	52.2%	(11.3%, 90.3%)	59.3%	(56.5%, 62.1%)
Fredericksburg City	51630	43.7%	(24.2%, 65.3%)	58.0%	(55.2%, 60.7%)
Harrisonburg City	51660	16.9%	(4.3%, 47.9%)	54.7%	(50.6%, 58.8%)
Lexington City	51678	.%	(.%, .%)	59.3%	(56.0%, 62.6%)
Staunton City	51790	27.4%	(7.7%, 62.8%)	59.0%	(56.1%, 61.9%)
Waynesboro	51820	60.6%	(14.5%, 93.4%)	59.4%	(55.5%, 63.1%)

City					
Winchester City	51840	27.8%	(10.1%, 62.1%)	59.2%	(56.1%, 62.2%)

County name	County FIPS	Direct estimate	Direct 95% CI	SAE composite	SAE CI
Albemarle County	51003	50.1%	(37.1%, 63.1%)	57.7%	(55.0%, 60.3%)
Alleghany County	51005	45.4%	(24.9%, 67.6%)	60.1%	(57.5%, 62.6%)
Amherst County	51009	62.8%	(43.8%, 78.5%)	60.9%	(57.9%, 63.8%)
Appomattox County	51011	40.3%	(24.1%, 58.9%)	60.1%	(56.6%, 63.6%)
Arlington City	51013	53.0%	(40.3%, 65.4%)	56.9%	(54.5%, 59.3%)
Bedford County	51019	67.7%	(55.4%, 78.0%)	61.4%	(58.6%, 64.2%)
Botetourt County	51023	54.1%	(31.9%, 74.8%)	60.3%	(57.6%, 63.0%)
Campbell County	51031	57.3%	(43.1%, 70.4%)	56.3%	(53.4%, 59.2%)
Craig County	51045	25.6%	(4.2%, 72.9%)	60.2%	(57.4%, 63.0%)
Fairfax County	51059	51.6%	(46.1%, 57.0%)	57.3%	(55.5%, 59.0%)
Fluvanna County	51065	57.5%	(33.2%, 78.7%)	60.5%	(57.4%, 63.6%)
Greene County	51079	89.1%	(34.5%, 97.7%)	56.5%	(53.5%, 59.4%)
Loudoun County	51107	51.1%	(42.4%, 59.8%)	57.8%	(55.8%, 59.8%)
Louisa County	51109	51.1%	(28.9%, 72.9%)	60.4%	(57.0%, 63.7%)
Nelson County	51125	45.9%	(14.7%, 80.7%)	60.5%	(57.5%, 63.5%)
Prince William County	51153	56.1%	(47.9%, 63.9%)	59.1%	(56.8%, 61.3%)
Roanoke County	51161	52.5%	(40.8%, 64.0%)	60.0%	(57.3%, 62.6%)
Alexandria City	51510	46.3%	(33.3%, 59.9%)	58.8%	(56.0%, 61.5%)
Charlottesville City	51540	15.8%	(8.1%, 34.6%)	55.5%	(51.2%, 59.7%)
Covington City	51580	100.0%	(0.6%, 100.0%)	60.4%	(56.4%, 64.3%)
Fairfax City	51600	51.1%	(34.2%, 67.6%)	57.3%	(55.0%, 59.7%)
Falls Church City	51610	36.9%	(12.1%, 71.4%)	58.8%	(55.8%, 61.7%)
Lynchburg City	51680	54.1%	(39.5%, 68.0%)	56.2%	(53.0%, 59.3%)
Manassas City	51683	32.3%	(14.6%, 57.0%)	57.2%	(53.6%, 60.8%)
Manassas Park City	51685	59.8%	(14.8%, 92.7%)	57.6%	(52.9%, 62.2%)
Salem City	51775	65.1%	(26.0%, 90.8%)	59.7%	(56.4%, 63.0%)

County name	County FIPS	Direct estimate	Direct 95% CI	SAE composite	SAE CI
Bland County	51021	50.4%	(10.5%, 89.8%)	60.3%	(57.0%, 63.6%)
Buchanan County	51027	64.0%	(40.3%, 82.4%)	60.2%	(56.6%, 63.8%)
Carroll County	51035	34.0%	(16.6%, 57.1%)	60.0%	(57.4%, 62.7%)
Dickenson County	51051	57.3%	(30.1%, 80.7%)	60.1%	(55.9%, 64.2%)
Floyd County	51063	22.2%	(9.9%, 42.4%)	53.8%	(48.2%, 59.3%)
Franklin County	51067	54.8%	(38.7%, 69.9%)	60.2%	(57.6%, 62.7%)
Giles County	51071	23.4%	(5.9%, 59.6%)	54.1%	(50.7%, 57.4%)
Grayson County	51077	79.2%	(53.3%, 92.7%)	60.6%	(56.9%, 64.3%)
Henry County	51089	44.9%	(29.5%, 61.4%)	61.3%	(58.5%, 64.1%)
Lee County	51105	86.2%	(57.3%, 96.7%)	60.4%	(57.1%, 63.6%)
Montgomery County	51121	36.1%	(25.0%, 49.0%)	53.5%	(50.2%, 56.8%)
Patrick County	51141	40.4%	(19.5%, 65.5%)	61.5%	(58.8%, 64.2%)
Pittsylvania County	51143	57.5%	(43.2%, 70.6%)	61.7%	(58.9%, 64.4%)
Pulaski County	51155	62.1%	(41.4%, 79.2%)	54.5%	(51.2%, 57.7%)
Russell County	51167	35.9%	(18.0%, 58.9%)	59.7%	(54.1%, 65.1%)
Scott County	51169	59.4%	(43.0%, 73.9%)	60.1%	(56.6%, 63.5%)
Smyth County	51173	75.4%	(56.5%, 87.9%)	60.8%	(58.1%, 63.4%)
Tazewell County	51185	50.1%	(32.5%, 67.8%)	59.9%	(56.3%, 63.4%)
Washington County	51191	48.7%	(34.1%, 63.4%)	60.0%	(56.9%, 63.0%)
Wise County	51195	66.9%	(49.8%, 80.4%)	60.6%	(57.1%, 63.9%)
Wythe County	51197	56.4%	(35.2%, 75.5%)	60.3%	(57.4%, 63.2%)
Bristol City	51520	32.7%	(4.7%, 82.6%)	60.2%	(57.4%, 63.0%)
Danville City	51590	58.1%	(24.7%, 85.4%)	61.8%	(59.0%, 64.6%)
Galax City	51640	100.0%	(7.8%, 100.0%)	60.4%	(57.1%, 63.7%)
Martinsville City	51690	85.9%	(32.2%, 97.6%)	62.0%	(59.4%, 64.5%)
Norton City	51720	14.5%	(0.3%, 97.9%)	60.1%	(57.1%, 63.0%)
Radford City	51750	35.9%	(16.5%, 61.4%)	54.0%	(50.2%, 57.7%)
Roanoke City	51770	38.6%	(26.2%, 52.7%)	58.9%	(55.6%, 62.1%)

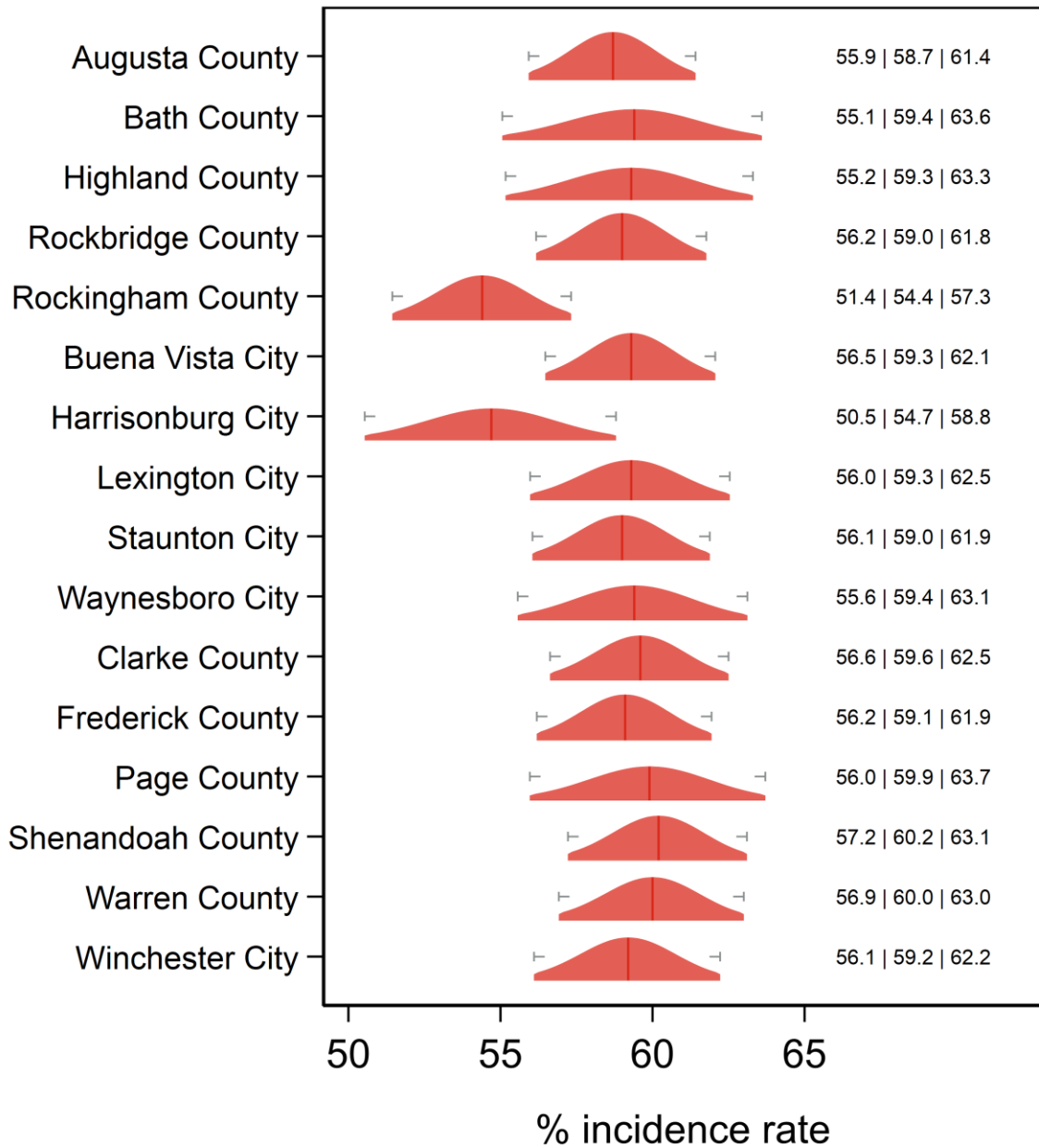| County name	County FIPS	Direct estimate	Direct 95% CI	SAE composite	SAE CI
Amelia County	51007	54.5%	(23.3%, 82.6%)	61.0%	(58.1%, 63.7%)
Brunswick County	51025	37.2%	(14.2%, 67.8%)	60.8%	(57.4%, 64.0%)
Buckingham County	51029	45.4%	(20.7%, 72.6%)	60.9%	(57.8%, 63.9%)
Charles City County	51036	61.4%	(8.4%, 96.5%)	60.5%	(57.2%, 63.8%)
Charlotte County	51037	50.8%	(24.1%, 77.1%)	61.0%	(57.8%, 64.1%)
Chesterfield County	51041	58.3%	(49.9%, 66.2%)	60.2%	(57.9%, 62.5%)
Cumberland County	51049	47.0%	(16.8%, 79.6%)	60.9%	(57.6%, 64.2%)
Dinwiddie County	51053	69.8%	(52.8%, 82.7%)	61.7%	(58.3%, 64.9%)
Goochland County	51075	63.1%	(20.1%, 92.1%)	60.6%	(58.0%, 63.1%)
Greensville County	51081	66.3%	(34.4%, 88.0%)	61.4%	(58.4%, 64.3%)
Halifax County	51083	56.3%	(38.8%, 72.4%)	61.0%	(58.1%, 63.7%)
Hanover County	51085	51.4%	(36.4%, 66.1%)	60.2%	(57.5%, 62.9%)
Henrico County	51087	56.9%	(47.3%, 66.1%)	60.4%	(58.0%, 62.8%)
Lunenburg County	51111	41.2%	(14.8%, 73.9%)	60.9%	(57.8%, 63.9%)
Mecklenburg County	51117	52.4%	(33.2%, 70.9%)	60.9%	(58.1%, 63.6%)
New Kent County	51127	52.1%	(27.9%, 75.4%)	60.4%	(57.6%, 63.2%)
Nottoway County	51135	58.9%	(32.7%, 80.8%)	61.1%	(57.9%, 64.2%)
Powhatan County	51145	80.8%	(54.5%, 93.7%)	60.9%	(58.3%, 63.4%)
Prince Edward County	51147	46.1%	(24.4%, 69.4%)	60.9%	(57.4%, 64.3%)
Prince George County	51149	70.7%	(51.8%, 84.4%)	61.7%	(57.5%, 65.7%)
Surry County	51181	63.3%	(22.7%, 91.0%)	61.4%	(58.0%, 64.8%)
Sussex County	51183	59.7%	(30.4%, 83.4%)	61.4%	(58.2%, 64.5%)
Colonial Heights City	51570	60.7%	(30.5%, 84.5%)	61.5%	(58.4%, 64.5%)
Emporia City	51595	61.7%	(3.5%, 98.5%)	61.4%	(55.9%, 66.6%)
Hopewell City	51670	64.6%	(32.7%, 87.2%)	61.5%	(58.4%, 64.5%)
Petersburg	51730	72.5%	(48.6%, 88.0%)	61.7%	(58.5%, 64.8%)

City					
Richmond City	51760	46.4%	(35.2%, 58.0%)	58.1%	(55.0%, 61.1%)

County name	County FIPS	Direct estimate	Direct 95% CI	SAE composite	SAE CI
Accomack County	51001	61.3%	(44.5%, 75.8%)	62.1%	(59.0%, 65.2%)
Essex County	51057	39.9%	(15.3%, 70.8%)	61.9%	(58.5%, 65.1%)
Gloucester County	51073	56.3%	(38.9%, 72.3%)	62.0%	(59.0%, 64.9%)
Isle of Wight County	51093	63.2%	(38.3%, 82.6%)	61.7%	(58.8%, 64.5%)
James City County	51095	43.8%	(30.4%, 58.2%)	58.5%	(55.8%, 61.1%)
King and Queen County	51097	55.5%	(18.8%, 87.0%)	62.0%	(58.4%, 65.6%)
King William County	51101	50.2%	(18.9%, 81.4%)	60.5%	(57.9%, 63.0%)
Lancaster County	51103	50.4%	(27.1%, 73.7%)	62.0%	(58.3%, 65.5%)
Mathews County	51115	45.6%	(24.0%, 69.1%)	61.9%	(57.9%, 65.7%)
Middlesex County	51119	63.6%	(34.3%, 85.4%)	62.2%	(58.9%, 65.3%)
Northampton County	51131	44.8%	(21.8%, 70.3%)	61.9%	(58.9%, 64.7%)
Northumberland County	51133	62.3%	(28.4%, 87.3%)	62.1%	(58.8%, 65.2%)
Richmond County	51159	56.8%	(35.0%, 76.3%)	62.1%	(58.5%, 65.7%)
Southampton County	51175	41.6%	(19.2%, 68.1%)	61.3%	(58.4%, 64.1%)
Westmoreland County	51193	68.2%	(44.3%, 85.3%)	62.3%	(57.7%, 66.6%)
York County	51199	52.3%	(36.2%, 67.9%)	59.0%	(56.4%, 61.6%)
Chesapeake City	51550	52.4%	(43.0%, 61.8%)	59.6%	(57.1%, 62.0%)
Franklin City	51620	63.4%	(23.9%, 90.5%)	61.6%	(58.2%, 64.8%)
Hampton City	51650	59.8%	(48.2%, 70.4%)	60.2%	(57.1%, 63.3%)
Newport News City	51700	52.9%	(42.1%, 63.5%)	58.7%	(56.0%, 61.4%)
Norfolk City	51710	49.8%	(40.5%, 59.0%)	55.9%	(53.3%, 58.5%)
Poquoson City	51735	65.5%	(23.1%, 92.3%)	59.2%	(56.5%, 61.9%)
Portsmouth City	51740	41.2%	(29.7%, 53.7%)	59.4%	(56.2%, 62.6%)
Suffolk City	51800	72.8%	(58.5%, 83.6%)	62.2%	(59.1%, 65.2%)
Virginia Beach City	51810	55.6%	(47.4%, 63.6%)	58.6%	(56.4%, 60.7%)
Williamsburg City	51830	48.2%	(15.3%, 82.8%)	59.1%	(56.0%, 62.1%)

Had a diabetes test past yr
Central Shenandoah and Lord Fairfax HDs

County/City	LCB	Point	UCB
Augusta County	55.9	58.7	61.4
Bath County	55.1	59.4	63.6
Highland County	55.2	59.3	63.3
Rockbridge County	56.2	59.0	61.8
Rockingham County	51.4	54.4	57.3
Buena Vista City	56.5	59.3	62.1
Harrisonburg City	50.5	54.7	58.8
Lexington City	56.0	59.3	62.5
Staunton City	56.1	59.0	61.9
Waynesboro City	55.6	59.4	63.1
Clarke County	56.6	59.6	62.5
Frederick County	56.2	59.1	61.9
Page County	56.0	59.9	63.7
Shenandoah County	57.2	60.2	63.1
Warren County	56.9	60.0	63.0
Winchester City	56.1	59.2	62.2

% incidence rate

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

Had a diabetes test past yr
Alleghany, Roanoke and Central Virginia HDs

County/City	LCB	Point	UCB
Alleghany County	57.5	60.1	62.6
Botetourt County	57.5	60.3	63.0
Craig County	57.3	60.2	63.0
Roanoke County	57.3	60.0	62.6
Covington City	56.4	60.4	64.3
Salem City	56.3	59.7	63.0
Amherst County	57.9	60.9	63.8
Appomattox County	56.5	60.1	63.6
Bedford County	58.5	61.4	64.2
Campbell County	53.4	56.3	59.2
Lynchburg City	53.0	56.2	59.3
Roanoke City	55.6	58.9	62.1

% incidence rate

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

Had a diabetes test past yr
Cumberland Plateau and Lenowisco HDs
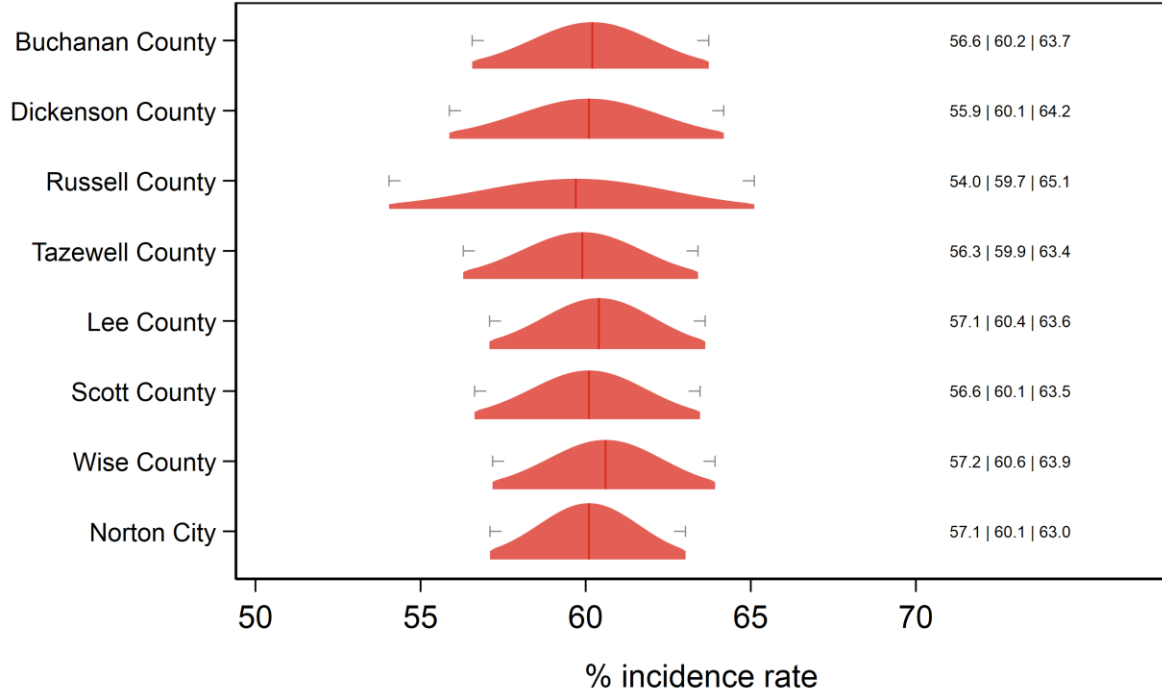
County	LCB | Point | UCB
Buchanan County	56.6 | 60.2 | 63.7
Dickenson County	55.9 | 60.1 | 64.2
Russell County	54.0 | 59.7 | 65.1
Tazewell County	56.3 | 59.9 | 63.4
Lee County	57.1 | 60.4 | 63.6
Scott County	56.6 | 60.1 | 63.5
Wise County	57.2 | 60.6 | 63.9
Norton City	57.1 | 60.1 | 63.0

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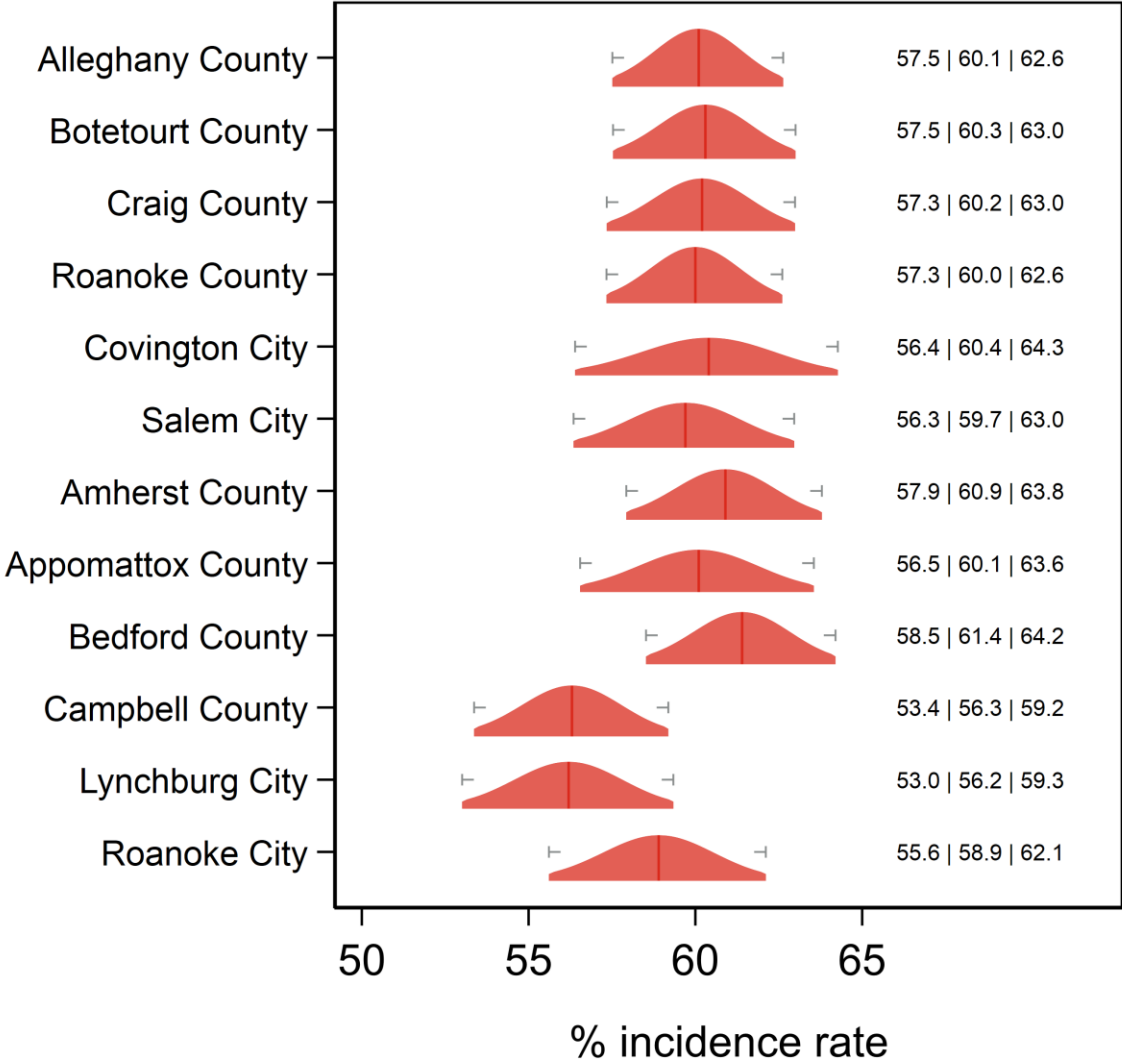
Text at right: 2-sided 95% LCB | Point Estimate | 2-sided 95% UCB
Gray markers: 95% confidence interval

Had a diabetes test past yr
Pittsylvania/Danville, Southside and West Piedmont HDs

County	2-sided 95% LCB	Point Estimate	2-sided 95% UCB
Pittsylvania County	58.9	61.7	64.4
Danville City	58.9	61.8	64.6
Franklin County	57.6	60.2	62.7
Henry County	58.5	61.3	64.0
Patrick County	58.8	61.5	64.2
Martinsville City	59.4	62.0	64.5
Brunswick County	57.4	60.8	64.1
Halifax County	58.1	61.0	63.8
Mecklenburg County	58.1	60.9	63.7

% incidence rate

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

Had a diabetes test past yr
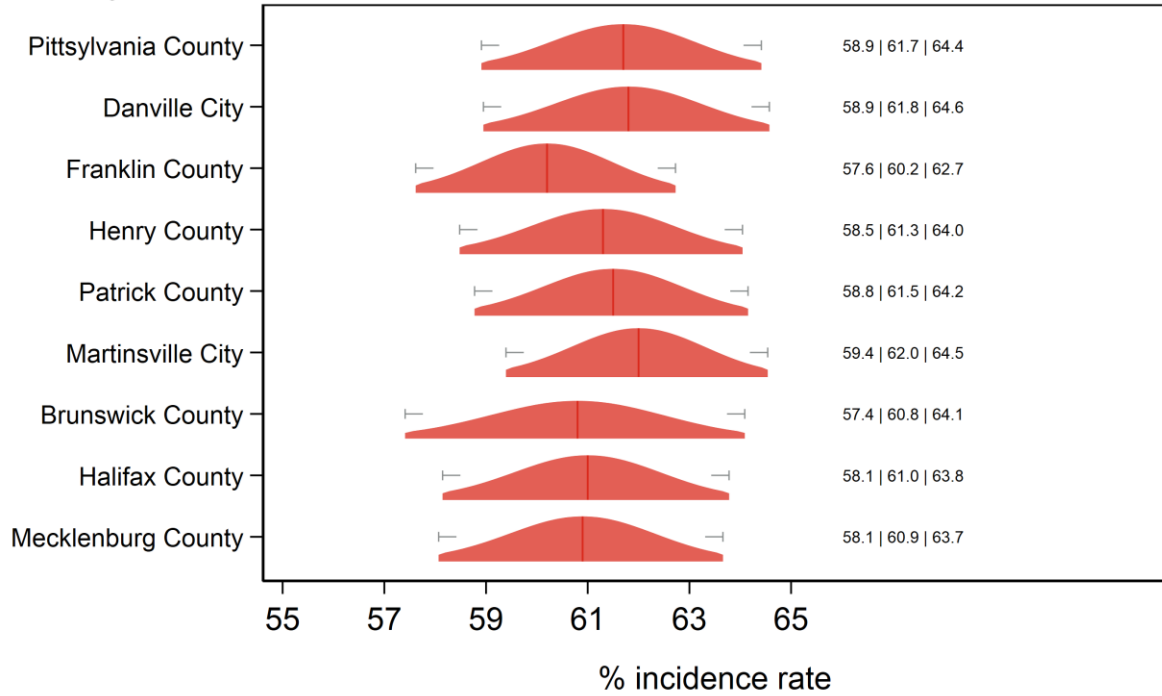## New River and Mount Rogers HDs
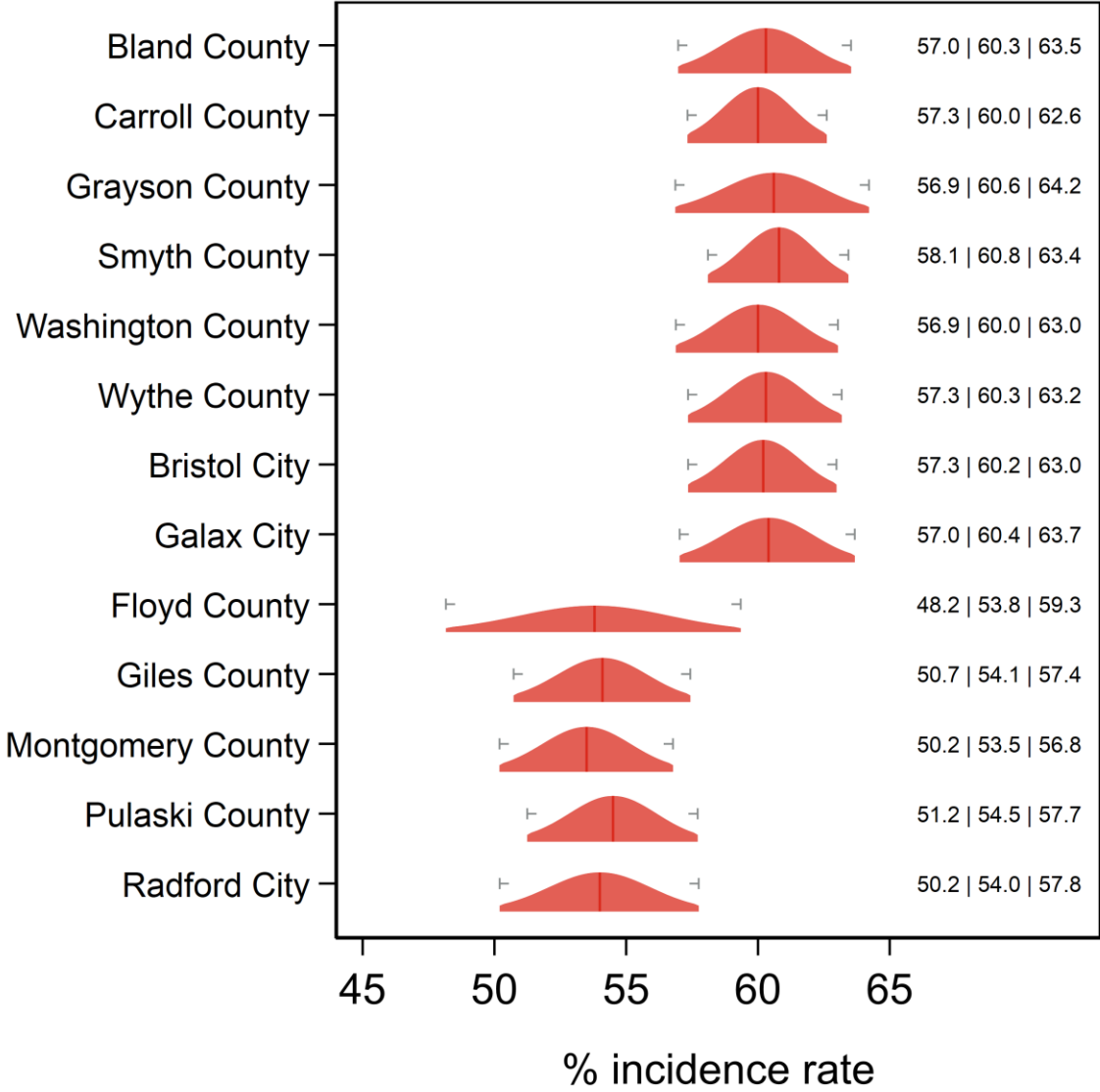
County/City	2-sided 95% LCB	Point Estimate	2-sided 95% UCB
Bland County	57.0	60.3	63.5
Carroll County	57.3	60.0	62.6
Grayson County	56.9	60.6	64.2
Smyth County	58.1	60.8	63.4
Washington County	56.9	60.0	63.0
Wythe County	57.3	60.3	63.2
Bristol City	57.3	60.2	63.0
Galax City	57.0	60.4	63.7
Floyd County	48.2	53.8	59.3
Giles County	50.7	54.1	57.4
Montgomery County	50.2	53.5	56.8
Pulaski County	51.2	54.5	57.7
Radford City	50.2	54.0	57.8

% incidence rate

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

Had a diabetes test past yr
Chesterfield, Chickahominy, Henrico and Richmond HDs
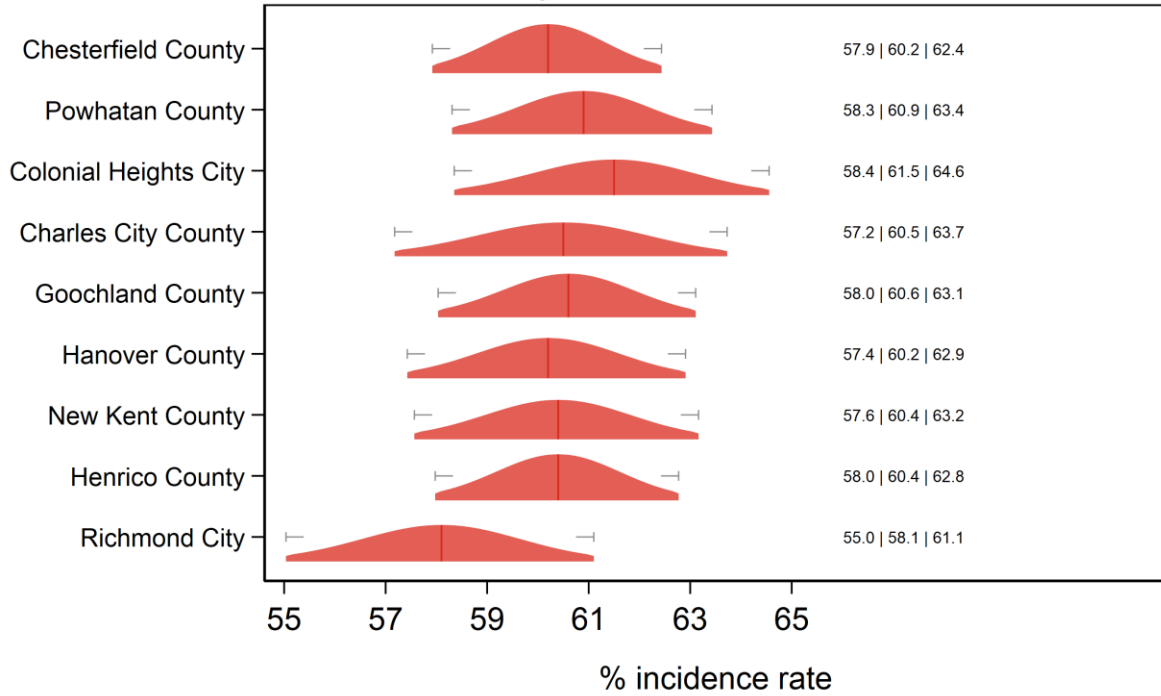
Chesterfield County	57.9 | 60.2 | 62.4
Powhatan County	58.3 | 60.9 | 63.4
Colonial Heights City	58.4 | 61.5 | 64.6
Charles City County	57.2 | 60.5 | 63.7
Goochland County	58.0 | 60.6 | 63.1
Hanover County	57.4 | 60.2 | 62.9
New Kent County	57.6 | 60.4 | 63.2
Henrico County	58.0 | 60.4 | 62.8
Richmond City	55.0 | 58.1 | 61.1

% incidence rate

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

Had a diabetes test past yr
Crater, Peninsula and Hampton HDs

County/City	LCB	Point	UCB
Dinwiddie County	58.4	61.7	64.9
Greensville County	58.4	61.4	64.3
Prince George County	57.5	61.7	65.8
Surry County	58.0	61.4	64.7
Sussex County	58.2	61.4	64.5
Emporia City	55.9	61.4	66.6
Hopewell City	58.4	61.5	64.5
Petersburg City	58.5	61.7	64.8
Hampton City	57.1	60.2	63.3
James City County	55.8	58.5	61.1
York County	56.4	59.0	61.5
Newport News City	56.0	58.7	61.4
Poquoson City	56.5	59.2	61.9
Williamsburg City	56.0	59.1	62.1

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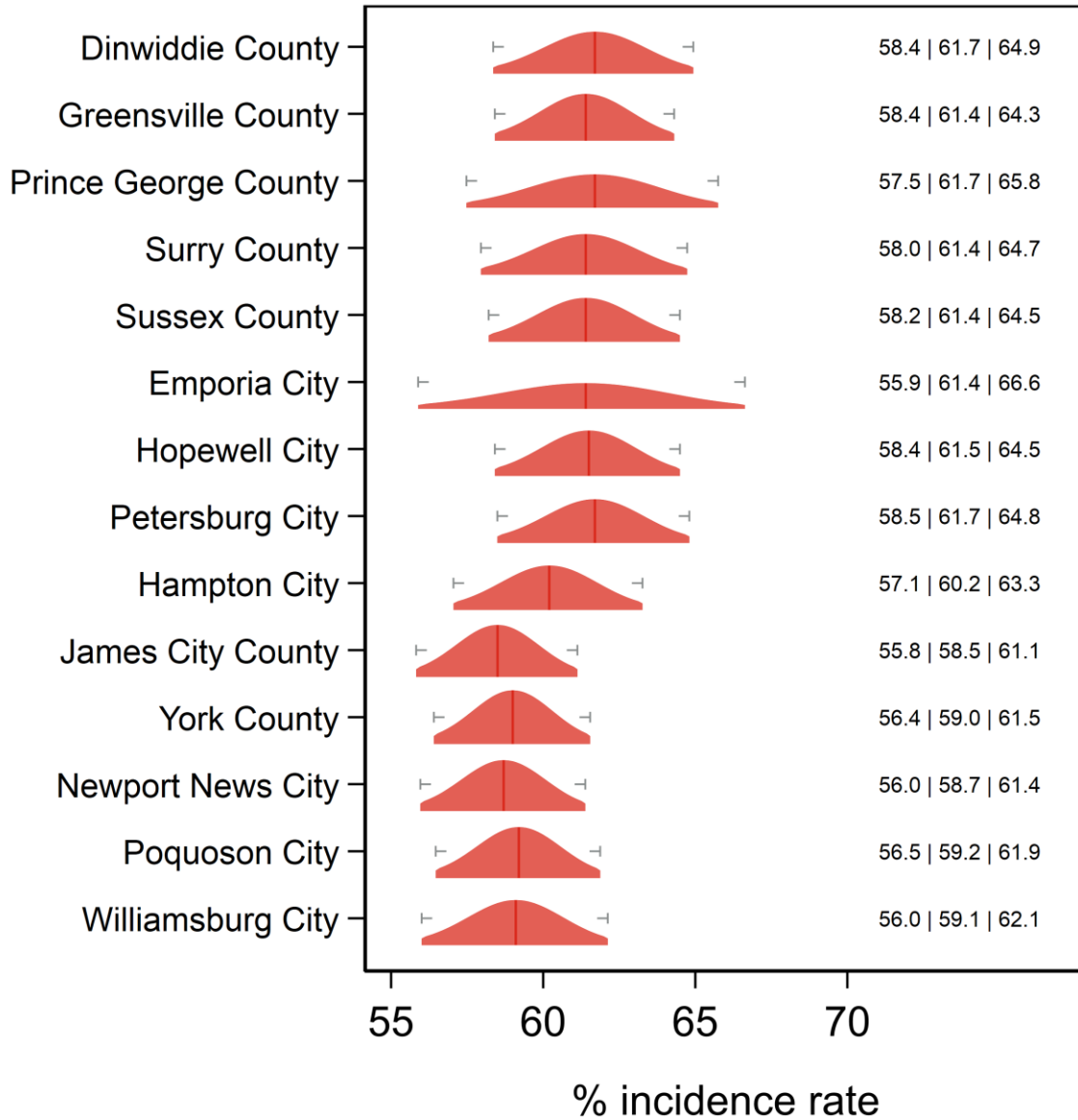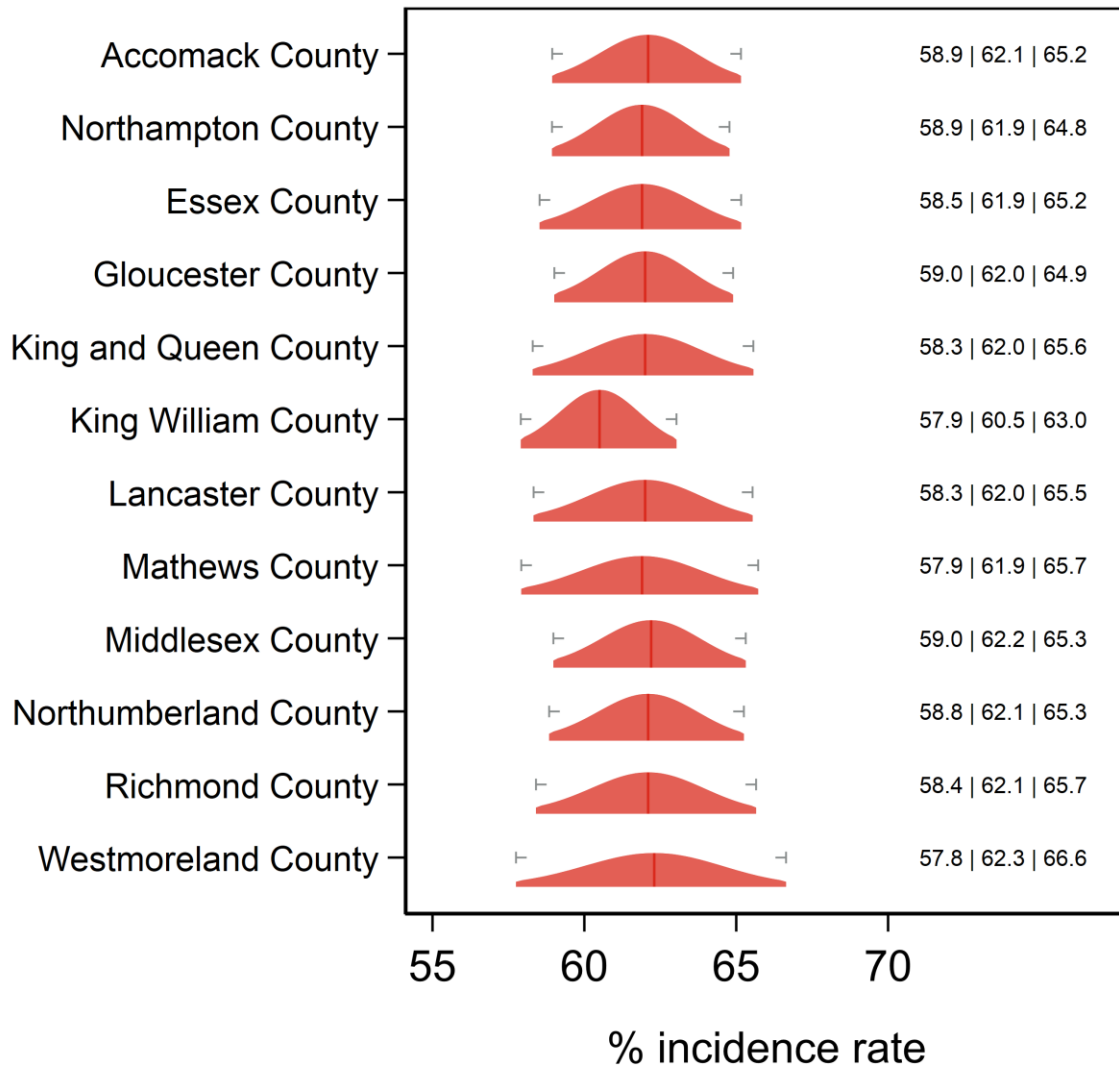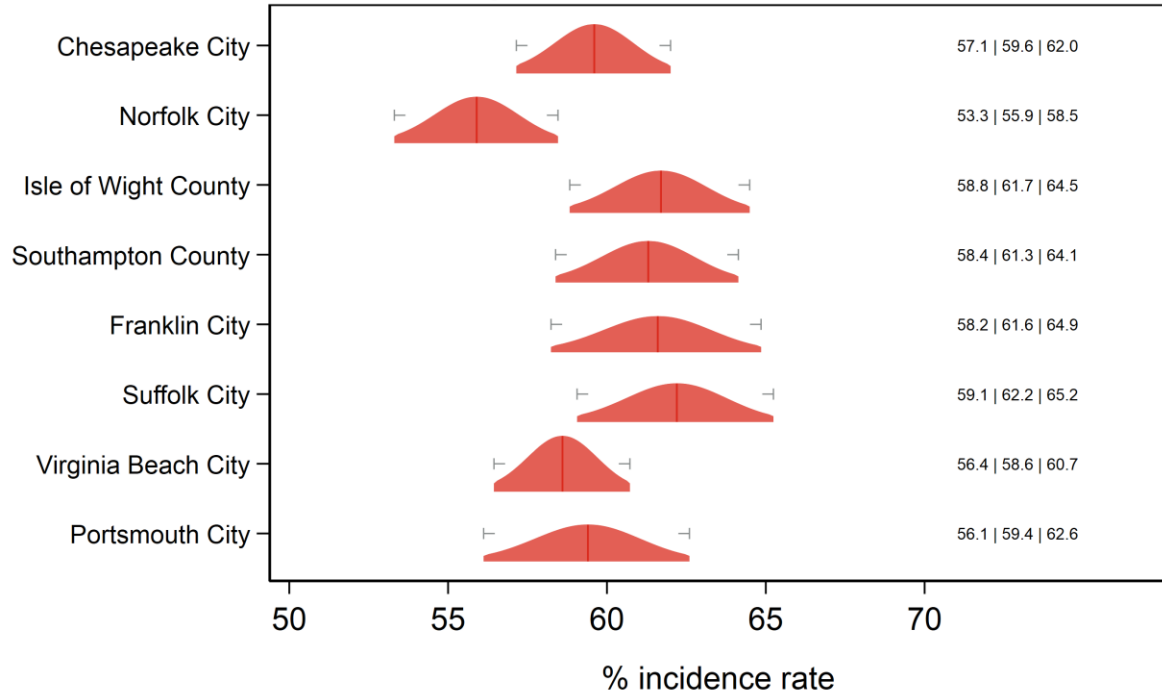
Text at right: 2-sided 95% LCB | Point Estimate | 2-sided 95% UCB
Gray markers: 95% confidence interval

Had a diabetes test past yr
Eastern Shore and Three Rivers HDs

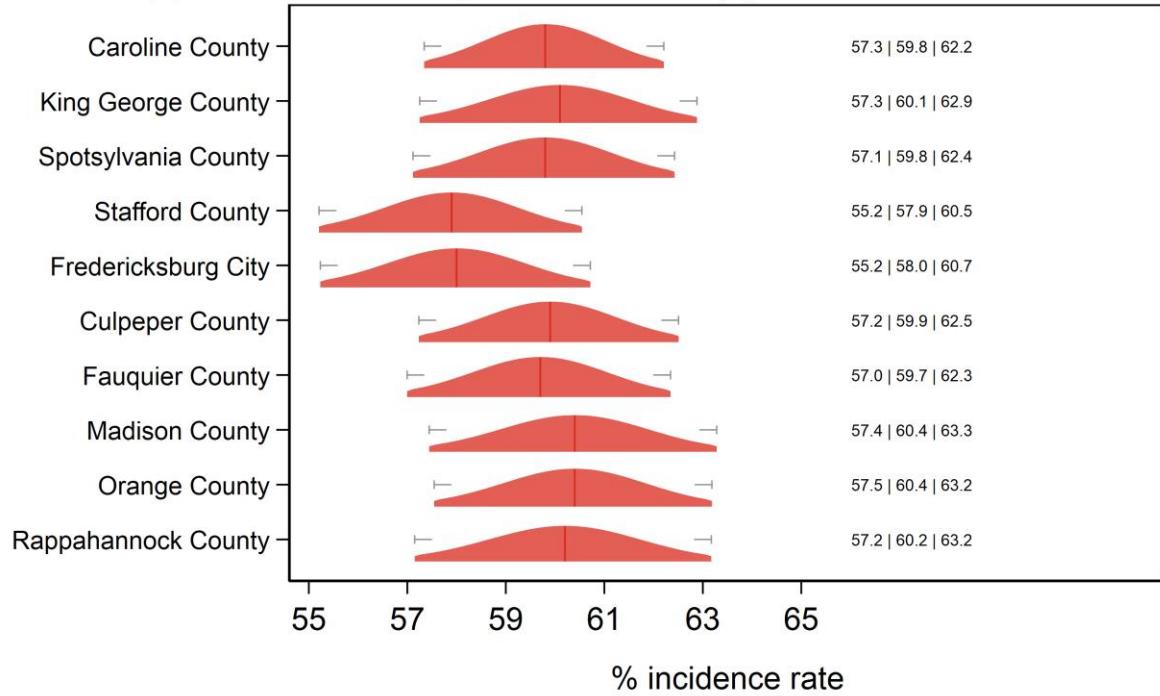| County	LCB	Point	UCB
Accomack County	58.9	62.1	65.2
Northampton County	58.9	61.9	64.8
Essex County	58.5	61.9	65.2
Gloucester County	59.0	62.0	64.9
King and Queen County	58.3	62.0	65.6
King William County	57.9	60.5	63.0
Lancaster County	58.3	62.0	65.5
Mathews County	57.9	61.9	65.7
Middlesex County	59.0	62.2	65.3
Northumberland County	58.8	62.1	65.3
Richmond County	58.4	62.1	65.7
Westmoreland County	57.8	62.3	66.6

% incidence rate

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

Had a diabetes test past yr
Norfolk,Portsmouth,Chesapeake,VA Beach,W. Tidewater HDs

Chesapeake City	57.1 | 59.6 | 62.0
Norfolk City	53.3 | 55.9 | 58.5
Isle of Wight County	58.8 | 61.7 | 64.5
Southampton County	58.4 | 61.3 | 64.1
Franklin City	58.2 | 61.6 | 64.9
Suffolk City	59.1 | 62.2 | 65.2
Virginia Beach City	56.4 | 58.6 | 60.7
Portsmouth City	56.1 | 59.4 | 62.6

% incidence rate

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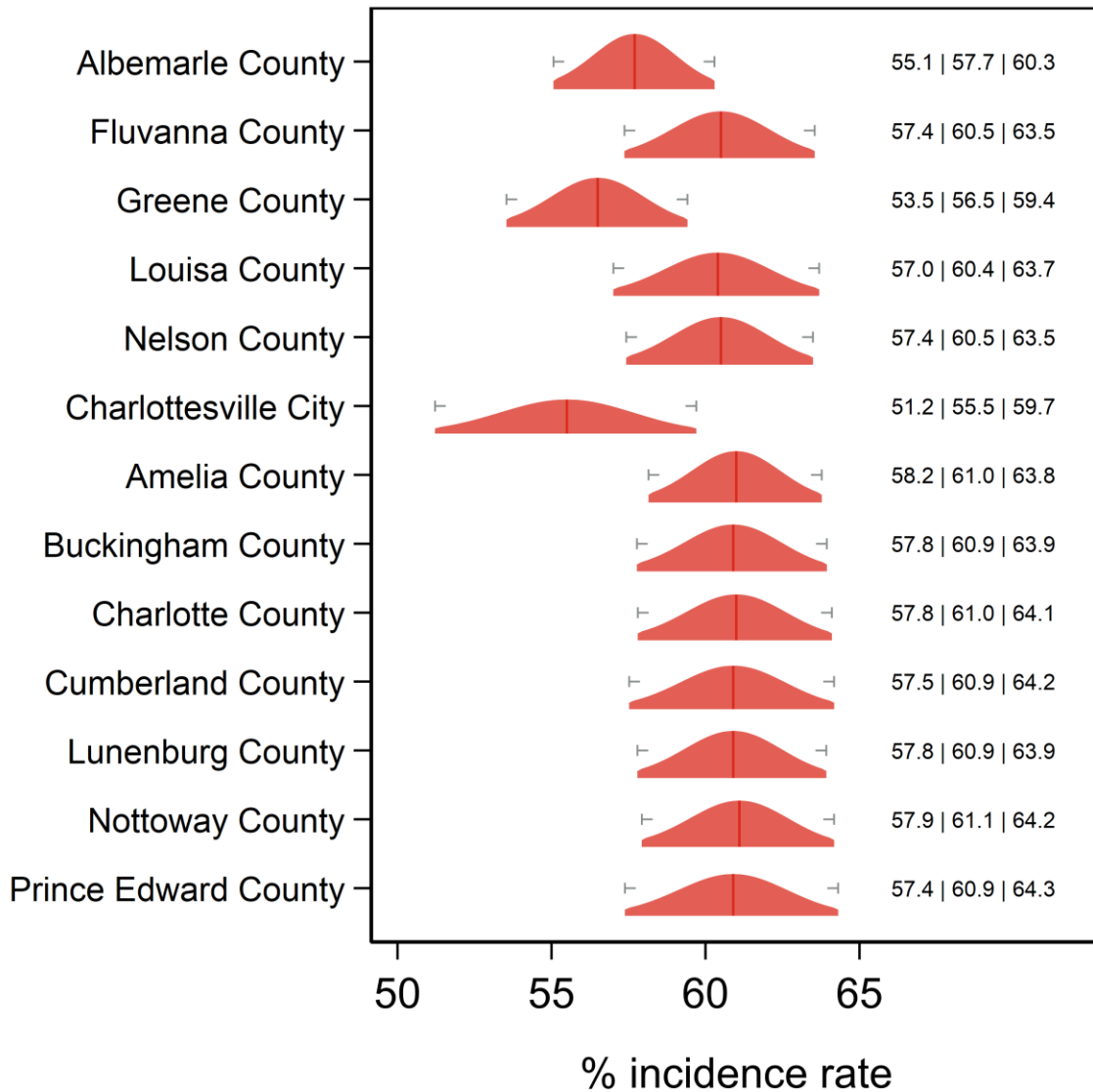Gray markers: 95% confidence interval

Had a diabetes test past yr
Rappahannock/Rapidan and Rappahannock HDs

County	2-sided 95% LCB | Point Estimate | 2-sided 95% UCB
Caroline County	57.3 | 59.8 | 62.2
King George County	57.3 | 60.1 | 62.9
Spotsylvania County	57.1 | 59.8 | 62.4
Stafford County	55.2 | 57.9 | 60.5
Fredericksburg City	55.2 | 58.0 | 60.7
Culpeper County	57.2 | 59.9 | 62.5
Fauquier County	57.0 | 59.7 | 62.3
Madison County	57.4 | 60.4 | 63.3
Orange County	57.5 | 60.4 | 63.2
Rappahannock County	57.2 | 60.2 | 63.2

% incidence rate

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

Had a diabetes test past yr
Thomas Jefferson and Piedmont HDs

County	55.1 | 57.7 | 60.3
Albemarle County	55.1 | 57.7 | 60.3
Fluvanna County	57.4 | 60.5 | 63.5
Greene County	53.5 | 56.5 | 59.4
Louisa County	57.0 | 60.4 | 63.7
Nelson County	57.4 | 60.5 | 63.5
Charlottesville City	51.2 | 55.5 | 59.7
Amelia County	58.2 | 61.0 | 63.8
Buckingham County	57.8 | 60.9 | 63.9
Charlotte County	57.8 | 61.0 | 64.1
Cumberland County	57.5 | 60.9 | 64.2
Lunenburg County	57.8 | 60.9 | 63.9
Nottoway County	57.9 | 61.1 | 64.2
Prince Edward County	57.4 | 60.9 | 64.3

% incidence rate

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

Had a diabetes test past yr
Alexandria, Fairfax, Arlington, Loudon, Prince William HDs
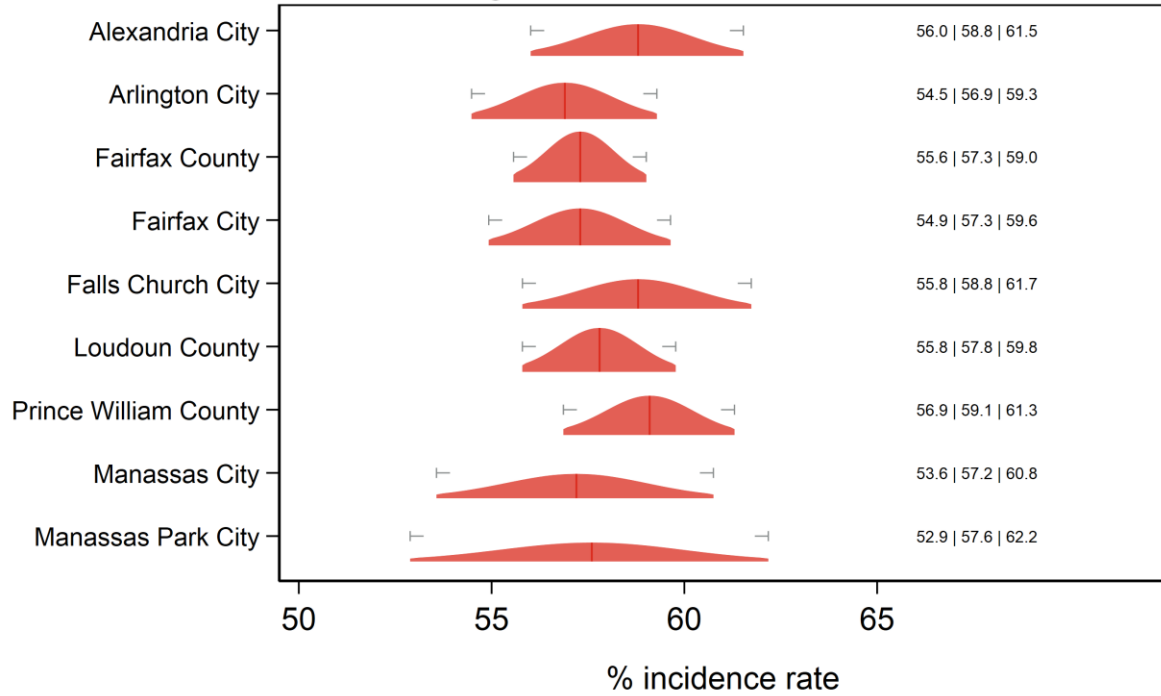
	% incidence rate	
Alexandria City		56.0 | 58.8 | 61.5
Arlington City		54.5 | 56.9 | 59.3
Fairfax County		55.6 | 57.3 | 59.0
Fairfax City		54.9 | 57.3 | 59.6
Falls Church City		55.8 | 58.8 | 61.7
Loudoun County		55.8 | 57.8 | 59.8
Prince William County		56.9 | 59.1 | 61.3
Manassas City		53.6 | 57.2 | 60.8
Manassas Park City		52.9 | 57.6 | 62.2

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: 22 areas.

Direct estimate is outside the 95% SAE Wilson CI: 111 areas.

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

SAE estimate is outside the 95% direct Wilson CI: 15 areas.

SAE Wilson 95% CI is fully inside the 95% direct Wilson CI: 109 areas.

SAE Wilson 95% CI partially overlaps with the 95% direct Wilson CI: 24 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: 0 areas.

Direct standard error is zero: 3 areas.

Proportion of SAE variance due to ACS sampling error: min = 9.19%; med = 35.38%; max = 59.25%.

Proportion of SAE variance due to sampling error in regression coefficient estimates: min = 10.32%; med = 40.94%; max = 79.99%.

Proportion of SAE variance due to model selection: min = 0.21%; med = 15.57%; max = 79.48%.

Proportion of SAE variance due to area random effects: min = 0.61%; med = 2.85%; max = 5.83%.