Indicator 21: Physical Activity in the Past Month

Internal variable name: outc21_phys_activity

Section 1: Definition

Definition: During the past month, other than your regular job, did you participate in any physical activities or exercises such as running, calisthenics, golf, gardening, or walking for exercise?

Section 2: Predictive models

	Mixed, demos only	Logit, no area effects	Mixed with area covariates
	b/se	b/se	b/se
Outcome 21: Physical Activity in the Past Month			
Non-Hispanic Black vs. Non-Hispanic White	-0.5046***	-0.5292***	-0.5292***
	(0.0898)	(0.0923)	(0.0849)
Non-Hispanic Asian vs. Non-Hispanic White	-0.2112	-0.3514	-0.3514
	(0.2168)	(0.2173)	(0.2220)
Non-Hispanic Other vs. Non-Hispanic White	0.2008	0.1733	0.1733
	(0.1294)	(0.1614)	(0.1290)
Hispanic vs. Non-Hispanic White	-0.6111***	-0.7126***	-0.7126***
	(0.1762)	(0.1639)	(0.1723)
Female	-0.2194***	-0.2046**	-0.2046**
	(0.0621)	(0.0689)	(0.0622)
Age 18-24 vs. 65+	0.8254***	0.8171***	0.8171***
	(0.1283)	(0.1524)	(0.1284)
Age 25-34 vs. 65+	0.8330***	0.7967***	0.7967***
	(0.1039)	(0.1175)	(0.1048)
Age 35-44 vs. 65+	0.7684***	0.7524***	0.7524***
	(0.0959)	(0.1090)	(0.0972)
Age 45-54 vs. 65+	0.5189***	0.4898***	0.4898***
	(0.0953)	(0.0932)	(0.0943)
Age 55-64 vs. 65+	0.2855**	0.2829***	0.2829**
	(0.1075)	(0.0835)	(0.1056)
Estimated infant mortality rate		-0.0398*	-0.0398**
		(0.0163)	(0.0134)
% Hispanic among adults 18 to 64		0.0272**	0.0272***
		(0.0091)	(0.0059)
Historic SAE: mammogram screening		0.0227**	0.0227**
		(0.0085)	(0.0070)
Asthma hospitalization rate per 1,000		0.0490	0.0490
		(0.1199)	(0.1124)

% education below High School, population 25+ years old		0.0109	0.0109
		(0.0164)	(0.0123)
Crude mortality rate of septicemia per 10,000		0.1261	0.1261
		(0.1301)	(0.1026)
{% education below High School, population 25+ years old} interacted with {Crude mortality rate of septicemia per 10,000}		-0.0110	-0.0110
		(0.0068)	(0.0058)
{Asthma hospitalization rate per 1,000 } interacted with {Estimated infant mortality rate}		0.0152	0.0152
		(0.0109)	(0.0100)
Intercept	0.9074***	-0.8591	-0.8591
	(0.0735)	(0.7379)	(0.5135)
Area effect variance	0.0562*		0.0000
	(0.0239)		(0.0000)

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

Section 3: Results

County name	County FIPS	Direct estimate	Direct 95% CI	SAE composite	SAE 95% CI
Augusta County	51015	67.5%	(57.9%, 75.9%)	73.4%	(69.9%, 76.6%)
Bath County	51017	83.0%	(48.7%, 94.2%)	77.5%	(74.1%, 80.5%)
Caroline County	51033	73.8%	(51.4%, 88.3%)	74.3%	(71.2%, 77.1%)
Clarke County	51043	79.9%	(55.1%, 92.8%)	80.2%	(76.7%, 83.4%)
Culpeper County	51047	74.6%	(59.1%, 85.7%)	74.8%	(71.4%, 77.9%)
Fauquier County	51061	70.0%	(57.0%, 80.4%)	78.4%	(74.4%, 81.8%)
Frederick County	51069	82.5%	(71.6%, 89.8%)	78.3%	(74.7%, 81.5%)
Highland County	51091	61.7%	(9.1%, 96.3%)	77.8%	(71.7%, 82.8%)
King George County	51099	82.8%	(47.2%, 96.3%)	78.8%	(74.6%, 82.5%)
Madison County	51113	75.2%	(51.1%, 89.8%)	72.8%	(69.0%, 76.4%)
Orange County	51137	78.7%	(61.1%, 89.7%)	76.1%	(72.7%, 79.2%)
Page County	51139	73.2%	(45.9%, 89.8%)	70.9%	(66.7%, 74.7%)
Rappahannock County	51157	75.2%	(49.5%, 90.3%)	78.3%	(75.0%, 81.3%)
Rockbridge County	51163	77.1%	(57.2%, 89.5%)	72.7%	(68.3%, 76.8%)
Rockingham County	51165	75.0%	(63.4%, 83.9%)	74.0%	(70.4%, 77.3%)
Shenandoah County	51171	74.4%	(61.1%, 84.4%)	73.8%	(70.4%, 77.0%)
Spotsylvania County	51177	81.9%	(71.7%, 89.0%)	79.4%	(76.3%, 82.2%)
Stafford County	51179	77.6%	(68.2%, 84.8%)	81.9%	(78.7%, 84.6%)
Warren County	51187	71.7%	(50.8%, 86.1%)	76.4%	(72.6%, 79.9%)
Buena Vista City	51530	87.8%	(8.7%, 99.1%)	69.1%	(61.3%, 76.0%)
Fredericksburg City	51630	81.0%	(60.4%, 92.3%)	80.4%	(75.4%, 84.5%)
Harrisonburg City	51660	84.6%	(53.1%, 96.4%)	79.2%	(75.3%, 82.6%)
Lexington City	51678	100.0%	(0.6%, 100.0%)	79.8%	(74.9%, 84.0%)
Staunton City	51790	73.5%	(31.4%, 94.4%)	72.3%	(69.5%, 75.0%)
Waynesboro City	51820	62.5%	(31.4%, 85.8%)	75.4%	(72.2%, 78.3%)
Winchester City	51840	69.1%	(39.2%, 88.5%)	81.4%	(76.8%, 85.3%)

County name	County FIPS	Direct estimate	Direct 95% CI	SAE composite	SAE 95% CI
Albemarle County	51003	87.1%	(78.3%, 92.7%)	81.2%	(78.1%, 84.0%)
Alleghany County	51005	82.8%	(67.2%, 89.6%)	74.5%	(69.3%, 79.2%)
Amherst County	51009	63.0%	(41.2%, 80.5%)	68.8%	(64.6%, 72.7%)
Appomattox County	51011	69.8%	(45.7%, 86.4%)	72.4%	(69.3%, 75.4%)
Arlington City	51013	82.8%	(74.0%, 89.1%)	81.4%	(78.3%, 84.1%)
Bedford County	51019	70.6%	(58.3%, 80.6%)	76.4%	(73.2%, 79.2%)
Botetourt County	51023	79.1%	(65.5%, 88.2%)	79.5%	(75.7%, 82.8%)
Campbell County	51031	74.6%	(59.7%, 85.3%)	70.5%	(67.1%, 73.6%)
Craig County	51045	51.5%	(7.1%, 93.7%)	71.5%	(64.4%, 77.8%)
Fairfax County	51059	81.7%	(76.6%, 85.9%)	81.7%	(80.2%, 83.2%)
Fluvanna County	51065	78.9%	(55.6%, 91.8%)	76.9%	(72.5%, 80.8%)
Greene County	51079	54.9%	(30.3%, 77.3%)	65.1%	(58.9%, 70.9%)
Loudoun County	51107	82.1%	(74.4%, 87.8%)	81.3%	(78.7%, 83.7%)
Louisa County	51109	84.9%	(69.1%, 93.4%)	76.5%	(72.8%, 79.9%)
Nelson County	51125	63.1%	(40.8%, 80.9%)	71.9%	(67.6%, 75.8%)
Prince William County	51153	84.4%	(78.7%, 88.8%)	84.5%	(82.0%, 86.8%)
Roanoke County	51161	76.2%	(68.4%, 82.6%)	77.0%	(74.1%, 79.6%)
Alexandria City	51510	86.9%	(75.6%, 93.4%)	83.5%	(79.9%, 86.6%)
Charlottesville City	51540	87.5%	(63.6%, 96.6%)	79.8%	(76.4%, 82.8%)
Covington City	51580	100.0%	(0.6%, 100.0%)	77.6%	(71.9%, 82.4%)
Fairfax City	51600	80.4%	(68.5%, 88.5%)	81.4%	(78.5%, 84.0%)
Falls Church City	51610	57.9%	(11.2%, 93.8%)	75.4%	(69.6%, 80.3%)
Lynchburg City	51680	75.3%	(58.7%, 86.7%)	77.0%	(73.9%, 79.8%)
Manassas City	51683	90.2%	(57.5%, 97.5%)	85.5%	(79.7%, 89.9%)
Manassas Park City	51685	100.0%	(3.2%, 100.0%)	90.0%	(83.2%, 94.3%)
Salem City	51775	48.1%	(14.7%, 83.3%)	78.7%	(74.8%, 82.2%)

County name	County FIPS	Direct estimate	Direct 95% CI	SAE composite	SAE 95% CI
Bland County	51021	84.3%	(48.4%, 96.9%)	75.5%	(71.1%, 79.5%)
Buchanan County	51027	64.1%	(48.7%, 77.1%)	64.0%	(57.3%, 70.1%)
Carroll County	51035	65.0%	(48.2%, 78.8%)	68.5%	(64.9%, 71.9%)
Dickenson County	51051	67.4%	(48.0%, 82.3%)	64.0%	(57.7%, 69.8%)
Floyd County	51063	60.3%	(38.5%, 78.6%)	72.5%	(67.5%, 76.9%)
Franklin County	51067	84.4%	(71.5%, 92.1%)	74.6%	(71.4%, 77.5%)
Giles County	51071	60.5%	(36.6%, 80.3%)	71.6%	(67.5%, 75.4%)
Grayson County	51077	46.9%	(25.4%, 69.6%)	56.7%	(49.5%, 63.5%)
Henry County	51089	64.1%	(51.9%, 74.8%)	66.3%	(63.1%, 69.2%)
Lee County	51105	58.9%	(38.7%, 76.5%)	66.5%	(61.3%, 71.2%)
Montgomery County	51121	77.8%	(66.3%, 86.2%)	77.9%	(74.8%, 80.8%)
Patrick County	51141	72.4%	(53.0%, 85.9%)	66.7%	(61.8%, 71.3%)
Pittsylvania County	51143	65.8%	(54.9%, 75.3%)	64.5%	(61.4%, 67.6%)
Pulaski County	51155	66.8%	(51.2%, 79.4%)	69.8%	(66.3%, 73.1%)
Russell County	51167	70.8%	(53.0%, 83.9%)	66.3%	(58.5%, 73.2%)
Scott County	51169	60.4%	(45.3%, 73.7%)	68.8%	(63.2%, 73.9%)
Smyth County	51173	70.8%	(53.7%, 83.5%)	69.1%	(65.8%, 72.2%)
Tazewell County	51185	76.5%	(64.3%, 85.4%)	67.0%	(61.7%, 71.9%)
Washington County	51191	69.4%	(55.9%, 80.2%)	72.5%	(69.6%, 75.2%)
Wise County	51195	58.5%	(45.1%, 70.8%)	61.3%	(54.8%, 67.5%)
Wythe County	51197	73.2%	(58.8%, 83.9%)	70.7%	(67.0%, 74.1%)
Bristol City	51520	60.3%	(25.3%, 87.2%)	69.6%	(65.1%, 73.8%)
Danville City	51590	61.3%	(37.5%, 80.7%)	68.7%	(61.5%, 75.1%)
Galax City	51640	82.2%	(21.1%, 97.7%)	75.2%	(69.8%, 79.9%)
Martinsville City	51690	81.7%	(42.6%, 96.4%)	57.6%	(45.9%, 68.6%)
Norton City	51720	48.4%	(7.9%, 91.2%)	72.5%	(65.3%, 78.6%)
Radford City	51750	77.6%	(36.0%, 95.5%)	79.5%	(75.8%, 82.8%)
Roanoke City	51770	69.7%	(58.4%, 79.0%)	75.8%	(72.1%, 79.2%)

County name	County FIPS	Direct estimate	Direct 95% CI	SAE composite	SAE 95% CI
Amelia County	51007	64.9%	(34.4%, 86.7%)	77.1%	(70.9%, 82.3%)
Brunswick County	51025	70.5%	(45.3%, 87.3%)	68.7%	(62.2%, 74.5%)
Buckingham County	51029	42.7%	(22.9%, 65.1%)	60.1%	(53.9%, 66.0%)
Charles City County	51036	80.5%	(45.5%, 95.3%)	76.3%	(70.7%, 81.1%)
Charlotte County	51037	69.7%	(35.9%, 90.4%)	56.4%	(50.0%, 62.5%)
Chesterfield County	51041	77.5%	(71.4%, 82.7%)	79.4%	(77.2%, 81.5%)
Cumberland County	51049	77.0%	(41.1%, 94.1%)	64.5%	(61.0%, 67.8%)
Dinwiddie County	51053	76.6%	(57.9%, 88.7%)	71.7%	(67.9%, 75.1%)
Goochland County	51075	90.9%	(70.2%, 95.7%)	78.7%	(75.4%, 81.7%)
Greensville County	51081	80.6%	(47.0%, 95.1%)	65.0%	(53.2%, 75.1%)
Halifax County	51083	68.0%	(50.6%, 81.5%)	61.3%	(56.8%, 65.6%)
Hanover County	51085	81.6%	(70.8%, 89.0%)	77.2%	(74.0%, 80.1%)
Henrico County	51087	75.1%	(68.8%, 80.5%)	76.9%	(74.6%, 79.0%)
Lunenburg County	51111	72.0%	(38.1%, 91.5%)	74.5%	(67.6%, 80.4%)
Mecklenburg County	51117	74.2%	(60.4%, 84.4%)	69.9%	(65.1%, 74.4%)
New Kent County	51127	68.6%	(41.4%, 87.2%)	74.4%	(70.8%, 77.6%)
Nottoway County	51135	79.5%	(56.2%, 92.1%)	71.2%	(66.9%, 75.2%)
Powhatan County	51145	80.7%	(44.4%, 95.7%)	80.1%	(75.7%, 83.9%)
Prince Edward County	51147	61.8%	(37.6%, 81.3%)	64.4%	(60.6%, 68.1%)
Prince George County	51149	73.0%	(52.3%, 87.0%)	73.9%	(70.6%, 77.0%)
Surry County	51181	68.2%	(25.8%, 93.0%)	70.1%	(65.1%, 74.7%)
Sussex County	51183	76.6%	(45.0%, 92.9%)	66.2%	(59.4%, 72.4%)
Colonial Heights City	51570	61.1%	(25.3%, 87.9%)	77.8%	(73.0%, 82.0%)
Emporia City	51595	13.8%	(2.2%, 75.1%)	63.0%	(40.4%, 81.1%)
Hopewell City	51670	62.3%	(34.4%, 83.9%)	77.1%	(72.2%, 81.4%)
Petersburg City	51730	85.7%	(73.9%, 92.7%)	78.0%	(71.8%, 83.1%)
Richmond City	51760	81.1%	(73.6%, 86.9%)	79.0%	(74.8%, 82.6%)

County name	County FIPS	Direct estimate	Direct 95% CI	SAE composite	SAE 95% CI
Accomack County	51001	77.7%	(63.0%, 87.7%)	75.8%	(71.9%, 79.4%)
Essex County	51057	81.5%	(55.3%, 94.0%)	77.9%	(72.8%, 82.4%)
Gloucester County	51073	79.9%	(63.2%, 90.2%)	74.7%	(71.7%, 77.5%)
Isle of Wight County	51093	75.3%	(58.5%, 86.8%)	65.7%	(61.5%, 69.7%)
James City County	51095	87.8%	(76.3%, 94.2%)	80.2%	(77.0%, 83.1%)
King and Queen County	51097	93.6%	(38.2%, 97.9%)	76.4%	(71.9%, 80.3%)
King William County	51101	69.8%	(44.8%, 86.8%)	73.6%	(68.8%, 77.9%)
Lancaster County	51103	77.1%	(54.5%, 90.4%)	76.5%	(72.1%, 80.4%)
Mathews County	51115	84.4%	(61.8%, 94.8%)	74.8%	(69.3%, 79.5%)
Middlesex County	51119	85.2%	(49.8%, 97.1%)	76.2%	(72.6%, 79.4%)
Northampton County	51131	71.2%	(49.0%, 86.4%)	64.1%	(55.4%, 72.0%)
Northumberland County	51133	52.8%	(28.7%, 75.6%)	70.8%	(66.2%, 75.1%)
Richmond County	51159	84.6%	(68.5%, 93.3%)	75.2%	(69.9%, 79.9%)
Southampton County	51175	69.5%	(39.6%, 88.8%)	70.3%	(66.7%, 73.7%)
Westmoreland County	51193	46.4%	(22.1%, 72.6%)	73.7%	(70.2%, 77.0%)
York County	51199	77.7%	(64.3%, 87.1%)	76.8%	(73.9%, 79.6%)
Chesapeake City	51550	75.5%	(68.2%, 81.7%)	78.2%	(75.4%, 80.7%)
Franklin City	51620	64.1%	(43.2%, 80.7%)	74.6%	(64.9%, 82.4%)
Hampton City	51650	75.2%	(66.0%, 82.6%)	73.2%	(69.8%, 76.4%)
Newport News City	51700	77.8%	(67.4%, 85.6%)	75.6%	(71.9%, 79.0%)
Norfolk City	51710	77.9%	(70.4%, 83.9%)	74.4%	(71.3%, 77.4%)
Poquoson City	51735	84.8%	(38.2%, 98.1%)	79.9%	(74.1%, 84.6%)
Portsmouth City	51740	69.1%	(57.6%, 78.6%)	71.9%	(68.7%, 74.9%)
Suffolk City	51800	57.8%	(44.8%, 69.8%)	75.0%	(71.7%, 78.1%)
Virginia Beach City	51810	78.6%	(72.2%, 83.9%)	78.2%	(76.1%, 80.2%)
Williamsburg City	51830	80.4%	(31.1%, 95.8%)	74.8%	(71.2%, 78.0%)

Section 4: Graphical representation

Physical activity past month
Alexandria, Fairfax, Arlington, Loudon, Prince William HDs

Alexandria City	80.5 | 83.5 | 86.1
Arlington City	78.9 | 81.4 | 83.7
Fairfax County	80.4 | 81.7 | 83.0
Fairfax City	79.0 | 81.4 | 83.6
Falls Church City	70.6 | 75.4 | 79.6
Loudoun County	79.1 | 81.3 | 83.3
Prince William County	82.4 | 84.5 | 86.4
Manassas City	80.7 | 85.5 | 89.2
Manassas Park City	84.4 | 90.0 | 93.7

% incidence rate

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

Physical activity past month
Alleghany, Roanoke and Central Virginia HDs

County/City	LCB | Point | UCB
Alleghany County	70.1 | 74.5 | 78.4
Botetourt County	76.4 | 79.5 | 82.3
Craig County	65.5 | 71.5 | 76.8
Roanoke County	74.6 | 77.0 | 79.2
Covington City	72.9 | 77.6 | 81.7
Salem City	75.5 | 78.7 | 81.6
Amherst County	65.3 | 68.8 | 72.1
Appomattox County	69.7 | 72.4 | 74.9
Bedford County	73.8 | 76.4 | 78.8
Campbell County	67.7 | 70.5 | 73.1
Lynchburg City	74.4 | 77.0 | 79.4
Roanoke City	72.7 | 75.8 | 78.7

% incidence rate

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

Physical activity past month
Norfolk,Portsmouth,Chesapeake,VA Beach,W. Tidewater HDs

Location	1-sided 95% LCB | Point Estimate | 1-sided 95% UCB
Chesapeake City	75.9 | 78.2 | 80.3
Norfolk City	71.7 | 74.4 | 76.9
Isle of Wight County	62.2 | 65.7 | 69.1
Southampton County	67.3 | 70.3 | 73.1
Franklin City	66.5 | 74.6 | 81.3
Suffolk City	72.2 | 75.0 | 77.6
Virginia Beach City	76.4 | 78.2 | 79.9
Portsmouth City	69.2 | 71.9 | 74.4

% incidence rate

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

Physical activity past month
Pittsylvania/Danville, Southside and West Piedmont HDs

County		Values
Pittsylvania County		61.9 | 64.5 | 67.1
Danville City		62.7 | 68.7 | 74.1
Franklin County		71.9 | 74.6 | 77.1
Henry County		63.7 | 66.3 | 68.8
Patrick County		62.6 | 66.7 | 70.5
Martinsville City		47.7 | 57.6 | 66.9
Brunswick County		63.3 | 68.7 | 73.6
Halifax County		57.6 | 61.3 | 64.9
Mecklenburg County		65.9 | 69.9 | 73.6

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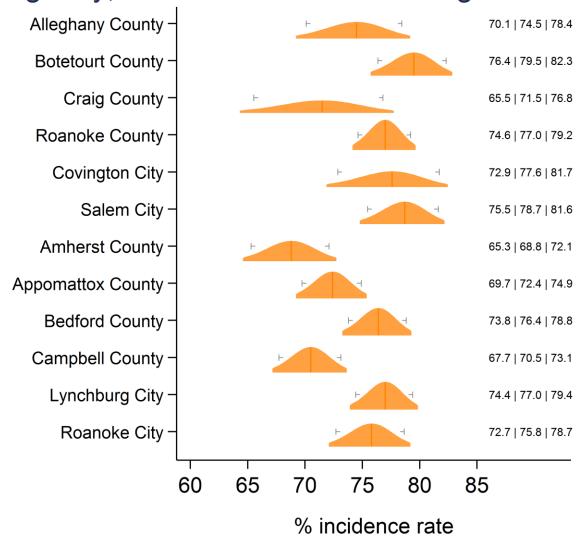
Text at right: 1-sided 95% LCB | Point Estimate | 1-sided 95% UCB
Gray markers: 90% confidence interval

Physical activity past month
Chesterfield, Chickahominy, Henrico and Richmond HDs

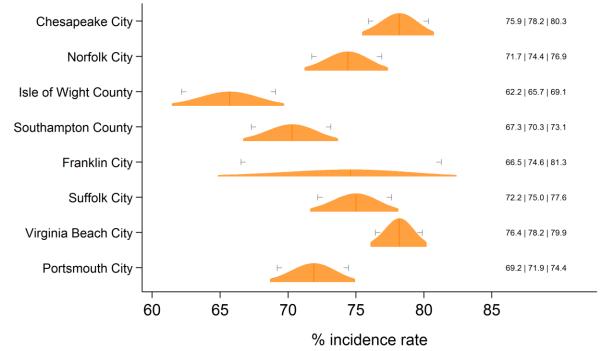| County/City	LCB | Point | UCB
Chesterfield County	77.5 | 79.4 | 81.1
Powhatan County	76.4 | 80.1 | 83.3
Colonial Heights City	73.8 | 77.8 | 81.4
Charles City County	71.6 | 76.3 | 80.4
Goochland County	76.0 | 78.7 | 81.2
Hanover County	74.5 | 77.2 | 79.7
New Kent County	71.4 | 74.4 | 77.2
Henrico County	75.0 | 76.9 | 78.7
Richmond City	75.5 | 79.0 | 82.1

% incidence rate

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

Physical activity past month
Central Shenandoah and Lord Fairfax HDs

County/City	LCB	Point	UCB
Augusta County	70.5	73.4	76.1
Bath County	74.7	77.5	80.1
Highland County	72.8	77.8	82.1
Rockbridge County	69.0	72.7	76.1
Rockingham County	71.0	74.0	76.8
Buena Vista City	62.6	69.1	74.9
Harrisonburg City	76.0	79.2	82.1
Lexington City	75.7	79.8	83.3
Staunton City	70.0	72.3	74.5
Waynesboro City	72.7	75.4	77.9
Clarke County	77.3	80.2	82.8
Frederick County	75.3	78.3	81.0
Page County	67.4	70.9	74.2
Shenandoah County	70.9	73.8	76.5
Warren County	73.2	76.4	79.3
Winchester City	77.6	81.4	84.7

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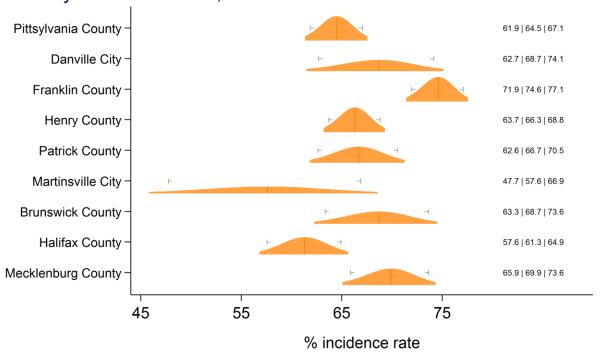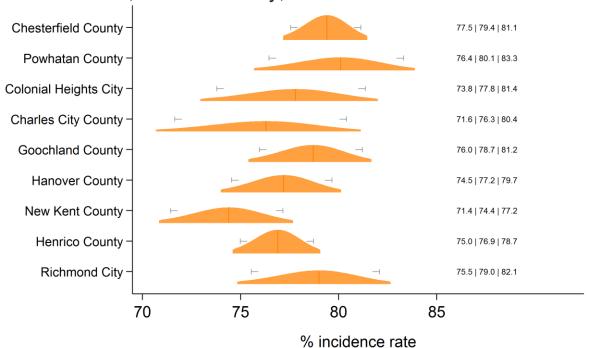
Text at right: 1-sided 95% LCB | Point Estimate | 1-sided 95% UCB
Gray markers: 90% confidence interval

Physical activity past month
Rappahannock/Rapidan and Rappahannock HDs

County		
Caroline County		71.7 | 74.3 | 76.7
King George County		75.3 | 78.8 | 81.9
Spotsylvania County		76.8 | 79.4 | 81.8
Stafford County		79.3 | 81.9 | 84.2
Fredericksburg City		76.3 | 80.4 | 83.9
Culpeper County		72.0 | 74.8 | 77.4
Fauquier County		75.1 | 78.4 | 81.3
Madison County		69.6 | 72.8 | 75.8
Orange County		73.3 | 76.1 | 78.7
Rappahannock County		75.5 | 78.3 | 80.8

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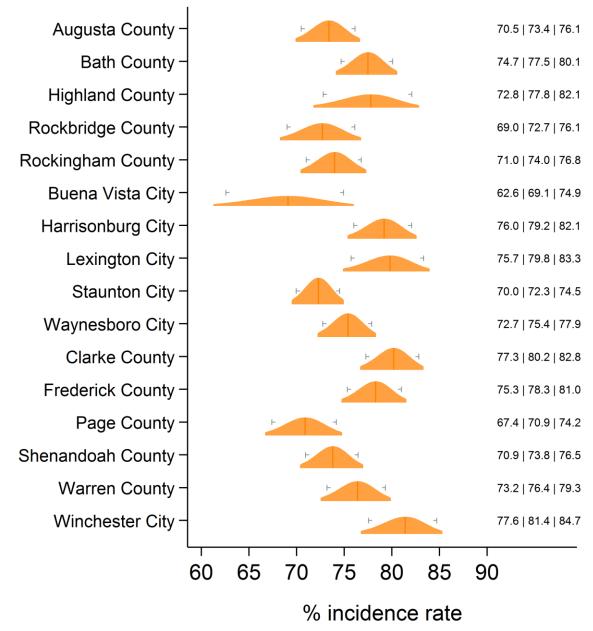
Text at right: 1-sided 95% LCB | Point Estimate | 1-sided 95% UCB
Gray markers: 90% confidence interval

Physical activity past month
Thomas Jefferson and Piedmont HDs

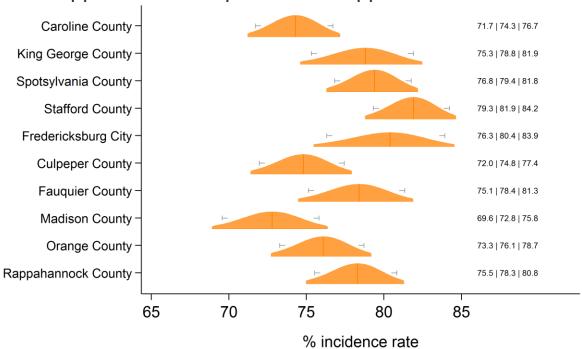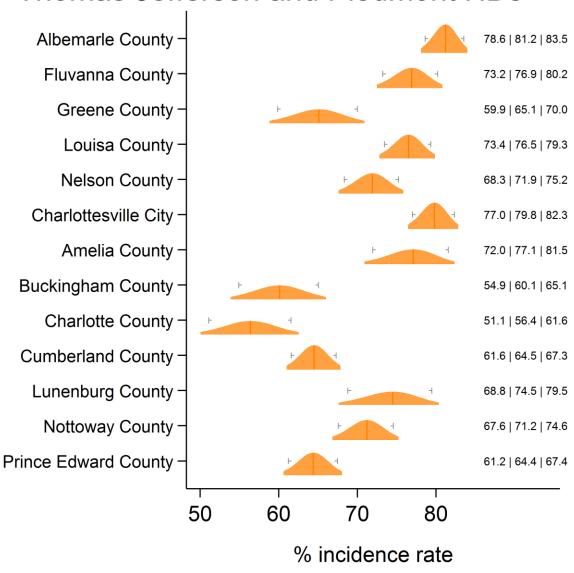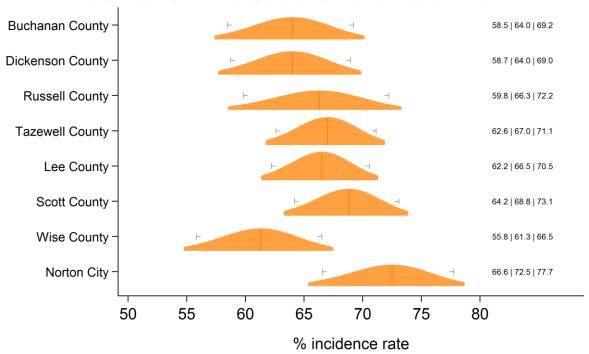| County	% incidence rate
Albemarle County	78.6 | 81.2 | 83.5
Fluvanna County	73.2 | 76.9 | 80.2
Greene County	59.9 | 65.1 | 70.0
Louisa County	73.4 | 76.5 | 79.3
Nelson County	68.3 | 71.9 | 75.2
Charlottesville City	77.0 | 79.8 | 82.3
Amelia County	72.0 | 77.1 | 81.5
Buckingham County	54.9 | 60.1 | 65.1
Charlotte County	51.1 | 56.4 | 61.6
Cumberland County	61.6 | 64.5 | 67.3
Lunenburg County	68.8 | 74.5 | 79.5
Nottoway County	67.6 | 71.2 | 74.6
Prince Edward County	61.2 | 64.4 | 67.4

% incidence rate

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

Physical activity past month
Cumberland Plateau and Lenowisco HDs

County	1-sided 95% LCB	Point Estimate	1-sided 95% UCB
Buchanan County	58.5	64.0	69.2
Dickenson County	58.7	64.0	69.0
Russell County	59.8	66.3	72.2
Tazewell County	62.6	67.0	71.1
Lee County	62.2	66.5	70.5
Scott County	64.2	68.8	73.1
Wise County	55.8	61.3	66.5
Norton City	66.6	72.5	77.7

% incidence rate

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

Physical activity past month
New River and Mount Rogers HDs

County		Values
Bland County		71.8 | 75.5 | 78.8
Carroll County		65.5 | 68.5 | 71.4
Grayson County		50.7 | 56.7 | 62.5
Smyth County		66.4 | 69.1 | 71.7
Washington County		70.1 | 72.5 | 74.8
Wythe County		67.7 | 70.7 | 73.6
Bristol City		65.9 | 69.6 | 73.1
Galax City		70.7 | 75.2 | 79.2
Floyd County		68.4 | 72.5 | 76.3
Giles County		68.1 | 71.6 | 74.8
Montgomery County		75.3 | 77.9 | 80.3
Pulaski County		66.9 | 69.8 | 72.6
Radford City		76.4 | 79.5 | 82.3

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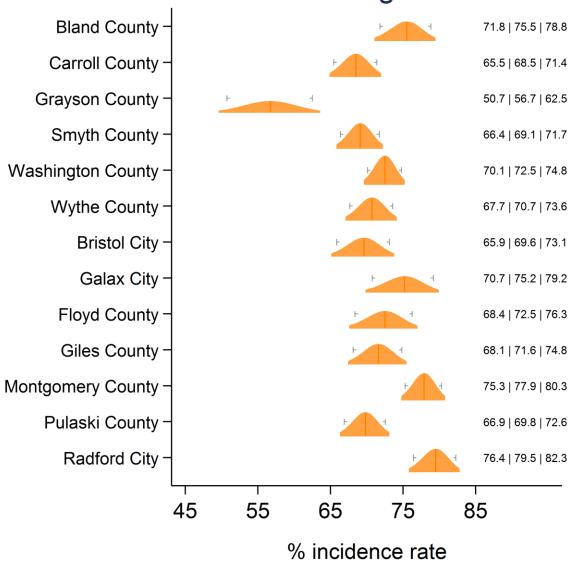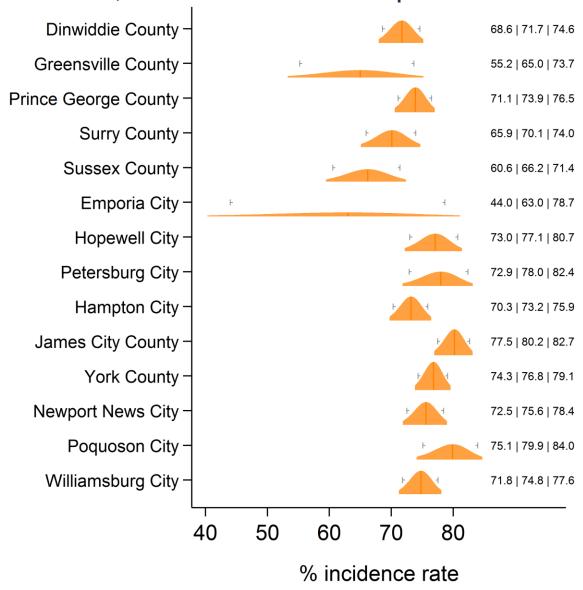
Text at right: 1-sided 95% LCB | Point Estimate | 1-sided 95% UCB
Gray markers: 90% confidence interval

Physical activity past month
Crater, Peninsula and Hampton HDs

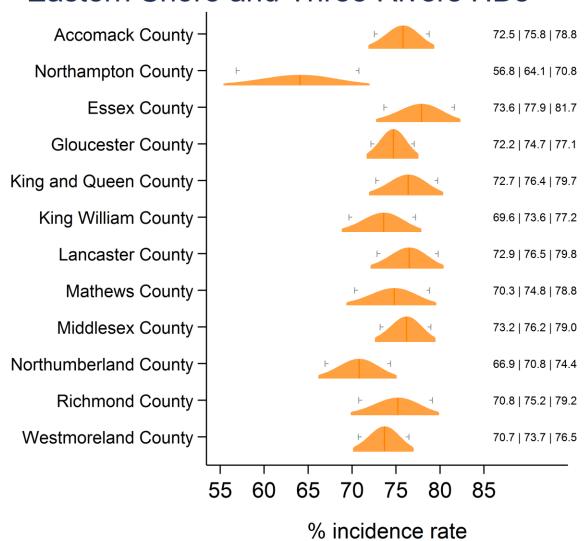| County/City	LCB	Point	UCB
Dinwiddie County	68.6	71.7	74.6
Greensville County	55.2	65.0	73.7
Prince George County	71.1	73.9	76.5
Surry County	65.9	70.1	74.0
Sussex County	60.6	66.2	71.4
Emporia City	44.0	63.0	78.7
Hopewell City	73.0	77.1	80.7
Petersburg City	72.9	78.0	82.4
Hampton City	70.3	73.2	75.9
James City County	77.5	80.2	82.7
York County	74.3	76.8	79.1
Newport News City	72.5	75.6	78.4
Poquoson City	75.1	79.9	84.0
Williamsburg City	71.8	74.8	77.6

% incidence rate

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

Physical activity past month
Eastern Shore and Three Rivers HDs

County		LCB | Point | UCB
Accomack County		72.5 | 75.8 | 78.8
Northampton County		56.8 | 64.1 | 70.8
Essex County		73.6 | 77.9 | 81.7
Gloucester County		72.2 | 74.7 | 77.1
King and Queen County		72.7 | 76.4 | 79.7
King William County		69.6 | 73.6 | 77.2
Lancaster County		72.9 | 76.5 | 79.8
Mathews County		70.3 | 74.8 | 78.8
Middlesex County		73.2 | 76.2 | 79.0
Northumberland County		66.9 | 70.8 | 74.4
Richmond County		70.8 | 75.2 | 79.2
Westmoreland County		70.7 | 73.7 | 76.5

% 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: 57 areas.

Direct estimate is outside the 95% SAE Wilson CI: 76 areas.

SAE estimate is inside the 95% direct Wilson CI: 131 areas.

SAE estimate is outside the 95% direct Wilson CI: 2 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: 0 areas.

Direct standard error is zero: 3 areas.

Proportion of SAE variance due to ACS sampling error: min = 1.10%; med = 37.45%; max = 82.50%.

Proportion of SAE variance to sampling error in regression coefficient estimates: min = 17.42%; med = 61.96%; max = 95.63%.

Proportion of SAE variance due to model selection: min = 0.03%; med = 0.54%; max = 6.35%.