



Appendix C

Investment Report County-Level Primary Care Measures, Virginia, 2024

June 2026



Table C1. Measure Definitions

Measure	Definition
Broad PC Spend (% of Total Healthcare Spending)	Percentage of total healthcare spending devoted to broadly defined primary care services.
Narrow PC Spend (% of Total Healthcare Spending)	Percentage of total healthcare spending devoted to narrowly defined primary care services.
Broad PMPM (\$)	Average monthly spending on broadly defined primary care per average enrolled member (average annual enrollment = total member months ÷ 12).
Narrow PMPM (\$)	Average monthly spending on narrowly defined primary care per average enrolled member.
Received ≥1 Broad PC Visit (%)	Percentage of average enrolled members who received at least one broadly defined primary care visit during 2024.
Received ≥1 Narrow PC Visit (%)	Percentage of average enrolled members who received at least one narrowly defined primary care visit during 2024.
Broad Visits per Average Member	Total number of broadly defined primary care visits divided by average annual enrollment.
Narrow Visits per Average Member	Total number of narrowly defined primary care visits divided by average annual enrollment.
Broad Continuity (%)	Percentage of broad primary care users who received at least 75% of their primary care visits from the same clinician during the calendar year.
Narrow Continuity (%)	Percentage of narrow primary care users who received at least 75% of their narrow primary care visits from the same clinician during the calendar year.
APP Share of Broad Visits (%)	Percentage of broadly defined primary care visits delivered by nurse practitioners and physician assistants (also known as physician associates).

Table C2. County-Level Primary Care Investment, Utilization, Continuity, and Workforce Measures, Virginia, 2024

All measures reflect calendar year 2024. PMPM is calculated per average member per month using average annual enrollment (member months ÷ 12).

Locality	Investment				Access & Utilization				Continuity		Workforce
	Broad PC (% of Total Healthcare Spending)	Narrow PC (% of Total Healthcare Spending)	Broad PC PMPM (\$)	Narrow PC PMPM (\$)	Received ≥1 Broad PC Visit (%)	Received ≥1 Narrow PC Visit (%)	Broad PC Visits per Average Member	Narrow PC Visits per Average Member	Broad Continuity of Care (%)	Narrow Continuity of Care (%)	APP Share of Broad PC Visits
Accomack	2.5%	0.8%	\$19.67	\$6.49	66.2%	32.2%	4.1	1.4	59.5%	85.7%	55.6%
Albemarle	4.4%	2.8%	\$30.32	\$19.03	72.6%	57.2%	4.9	3.0	59.4%	77.6%	29.3%
Alexandria City	3.6%	1.9%	\$25.37	\$13.37	64.4%	50.0%	4.6	2.7	64.3%	80.4%	27.2%
Alleghany	2.6%	1.0%	\$23.97	\$9.55	60.1%	36.6%	4.8	1.9	64.6%	90.2%	52.1%
Amelia	4.0%	1.7%	\$31.90	\$13.26	71.3%	48.3%	5.7	2.6	54.0%	79.3%	42.0%
Amherst	3.5%	1.4%	\$29.16	\$11.77	66.2%	40.2%	6.3	2.3	57.8%	83.1%	47.2%
Appomattox	3.4%	1.5%	\$29.08	\$12.69	67.9%	44.6%	6.6	2.6	60.9%	81.5%	46.4%
Arlington	3.7%	1.9%	\$25.40	\$13.22	63.4%	48.5%	4.2	2.5	61.3%	79.4%	27.1%
Augusta	3.9%	2.2%	\$31.15	\$17.61	71.9%	55.6%	5.6	3.0	58.7%	82.4%	36.9%
Bath	2.5%	1.1%	\$19.32	\$8.83	61.4%	38.2%	3.7	1.6	63.3%	86.7%	46.0%
Bedford	3.9%	2.0%	\$28.71	\$15.01	65.9%	50.3%	5.5	2.8	60.4%	80.1%	33.7%
Bland	3.4%	1.1%	\$31.22	\$10.07	72.0%	35.1%	6.8	2.0	47.1%	85.4%	59.8%
Botetourt	3.6%	2.1%	\$27.11	\$15.52	67.0%	53.1%	5.1	2.9	63.4%	82.1%	32.3%
Bristol City	5.4%	2.2%	\$44.31	\$18.01	68.8%	48.2%	8.4	3.4	49.3%	75.8%	47.7%
Brunswick	3.3%	1.5%	\$28.97	\$13.36	67.7%	45.0%	6.1	2.9	60.9%	85.7%	43.6%
Buchanan	4.0%	1.2%	\$31.24	\$9.14	63.8%	33.8%	6.5	2.1	56.4%	85.6%	58.3%
Buckingham	3.3%	1.4%	\$25.39	\$10.65	65.3%	35.2%	5.2	2.0	64.6%	83.2%	53.1%
Buena Vista City	3.0%	1.5%	\$25.34	\$12.99	59.8%	42.1%	4.7	2.5	65.2%	84.4%	38.5%

	Investment				Access & Utilization				Continuity		Workforce
Locality	Broad PC (% of Total Healthcare Spending)	Narrow PC (% of Total Healthcare Spending)	Broad PC PMPM (\$)	Narrow PC PMPM (\$)	Received ≥1 Broad PC Visit (%)	Received ≥1 Narrow PC Visit (%)	Broad PC Visits per Average Member	Narrow PC Visits per Average Member	Broad Continuity of Care (%)	Narrow Continuity of Care (%)	APP Share of Broad PC Visits
Campbell	3.7%	1.8%	\$28.85	\$13.59	65.9%	45.9%	6.2	2.7	57.2%	80.5%	40.8%
Caroline	3.2%	1.6%	\$26.43	\$12.71	64.0%	45.9%	4.3	2.3	61.6%	82.0%	38.8%
Carroll	3.2%	1.0%	\$26.33	\$8.63	63.8%	31.4%	5.3	1.9	56.5%	83.7%	58.0%
Charles City	3.2%	1.5%	\$28.48	\$13.17	64.9%	44.1%	6.0	3.0	59.5%	80.4%	39.0%
Charlotte	4.4%	1.5%	\$34.73	\$12.10	70.9%	41.5%	6.3	2.7	61.1%	86.7%	48.1%
Charlottesville City	4.2%	2.4%	\$28.05	\$16.35	64.4%	48.7%	4.0	2.4	58.3%	74.4%	30.7%
Chesapeake City	4.0%	2.2%	\$30.23	\$16.63	67.3%	53.5%	5.1	2.9	59.2%	78.3%	31.9%
Chesterfield	4.3%	2.1%	\$31.95	\$15.40	69.8%	53.7%	5.2	2.9	56.7%	78.0%	31.9%
Clarke	4.2%	2.0%	\$32.56	\$15.48	67.2%	49.7%	5.7	2.7	57.2%	83.3%	39.2%
Colonial Heights City	4.0%	1.7%	\$31.58	\$13.77	66.0%	47.3%	4.9	2.6	60.0%	81.8%	34.3%
Covington City	2.7%	1.1%	\$22.66	\$8.79	61.4%	34.5%	4.4	1.7	64.7%	90.6%	51.2%
Craig	3.3%	1.9%	\$22.99	\$13.33	63.6%	44.2%	4.5	2.6	63.5%	82.8%	31.7%
Culpeper	4.3%	1.9%	\$32.73	\$14.68	71.6%	47.9%	5.6	2.6	57.6%	79.2%	46.9%
Cumberland	4.0%	2.0%	\$29.20	\$14.27	68.7%	49.9%	5.6	2.7	60.0%	81.1%	37.5%
Danville City	3.2%	1.3%	\$27.98	\$11.47	65.6%	40.0%	6.0	2.4	57.6%	81.2%	48.2%
Dickenson	4.9%	1.2%	\$39.05	\$9.15	60.8%	26.8%	7.4	1.9	57.2%	90.0%	67.6%
Dinwiddie	3.7%	1.9%	\$29.65	\$15.12	68.2%	52.8%	5.1	3.0	62.1%	82.1%	30.5%
Emporia City	3.1%	1.1%	\$25.72	\$9.44	65.7%	36.2%	6.3	2.6	68.4%	90.7%	52.1%
Essex	4.2%	1.6%	\$38.85	\$14.73	73.1%	45.5%	6.0	2.4	53.3%	84.9%	49.6%
Fairfax	4.1%	2.3%	\$27.09	\$15.32	65.0%	53.6%	4.5	3.0	63.8%	79.3%	22.5%

Locality	Investment				Access & Utilization				Continuity		Workforce
	Broad PC (% of Total Healthcare Spending)	Narrow PC (% of Total Healthcare Spending)	Broad PC PMPM (\$)	Narrow PC PMPM (\$)	Received ≥1 Broad PC Visit (%)	Received ≥1 Narrow PC Visit (%)	Broad PC Visits per Average Member	Narrow PC Visits per Average Member	Broad Continuity of Care (%)	Narrow Continuity of Care (%)	APP Share of Broad PC Visits
Fairfax City	4.2%	2.3%	\$26.66	\$14.68	60.9%	51.2%	4.1	2.7	63.5%	78.0%	23.5%
Falls Church City	3.8%	2.0%	\$25.47	\$13.85	65.9%	52.9%	4.3	2.6	57.0%	74.8%	25.0%
Fauquier	4.3%	2.3%	\$31.20	\$16.59	71.3%	55.5%	5.2	3.0	59.7%	81.2%	34.7%
Floyd	3.1%	1.7%	\$24.21	\$12.87	63.1%	40.1%	4.5	2.3	65.8%	83.3%	38.9%
Fluvanna	3.9%	2.2%	\$29.20	\$16.63	70.4%	50.7%	4.9	2.7	62.9%	80.8%	35.7%
Franklin	3.4%	1.8%	\$25.36	\$13.47	64.1%	45.8%	4.5	2.4	61.0%	82.4%	36.7%
Franklin City	3.3%	1.3%	\$28.35	\$11.00	66.3%	38.8%	5.2	2.3	61.9%	87.2%	48.4%
Frederick	4.5%	2.2%	\$32.07	\$15.62	68.3%	49.1%	5.9	2.8	56.8%	82.9%	37.3%
Fredericksburg City	3.3%	2.0%	\$25.43	\$14.99	62.9%	48.5%	4.3	2.7	64.8%	81.0%	29.0%
Galax City	3.2%	0.8%	\$28.34	\$7.13	66.4%	26.2%	5.4	1.4	54.2%	84.1%	65.7%
Giles	3.4%	1.9%	\$28.79	\$15.80	66.7%	51.3%	4.9	2.8	58.2%	78.5%	35.8%
Gloucester	4.2%	2.1%	\$34.21	\$16.86	72.7%	50.8%	6.4	2.9	66.7%	86.6%	38.7%
Goochland	4.5%	2.3%	\$33.06	\$16.61	70.9%	58.0%	5.5	3.0	59.3%	81.4%	30.4%
Grayson	3.3%	1.0%	\$27.20	\$7.88	65.9%	26.4%	5.6	1.5	56.6%	87.0%	64.4%
Greene	4.5%	2.6%	\$31.61	\$18.33	72.5%	56.1%	5.9	3.2	59.0%	80.2%	35.1%
Greensville	3.2%	1.4%	\$24.37	\$10.41	67.2%	41.0%	5.8	2.7	69.4%	88.9%	44.8%
Halifax	3.3%	1.1%	\$25.62	\$8.64	64.9%	30.8%	5.3	1.9	57.3%	89.0%	59.4%
Hampton City	3.7%	1.9%	\$28.91	\$14.56	65.9%	48.5%	5.5	2.7	62.0%	81.2%	38.4%
Hanover	4.3%	2.0%	\$34.16	\$15.74	71.7%	53.7%	5.4	2.9	56.2%	78.8%	33.8%
Harrisonburg City	4.0%	2.1%	\$28.12	\$14.84	68.6%	47.0%	5.0	2.6	63.7%	83.5%	40.9%



Locality	Investment				Access & Utilization				Continuity		Workforce
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Henrico	4.2%	2.0%	\$32.65	\$15.68	69.2%	53.0%	5.4	2.9	58.9%	79.1%	32.1%
Henry	4.6%	2.4%	\$34.53	\$17.72	67.5%	45.0%	7.7	4.0	57.0%	85.5%	35.5%
Highland	2.4%	0.9%	\$16.83	\$6.15	66.2%	27.6%	3.9	1.1	51.9%	88.8%	55.4%
Hopewell City	3.4%	1.3%	\$29.03	\$10.78	64.5%	39.2%	4.9	2.1	60.4%	83.4%	42.5%
Isle Of Wight	3.6%	1.8%	\$30.42	\$14.71	71.5%	49.9%	5.5	2.5	61.1%	87.2%	42.7%
James City	4.6%	2.4%	\$35.05	\$18.11	73.4%	55.3%	6.0	2.8	62.2%	86.7%	36.6%
King And Queen	4.4%	1.6%	\$42.57	\$15.82	73.1%	49.6%	6.1	2.6	59.0%	84.2%	42.3%
King George	3.9%	1.9%	\$30.70	\$14.84	62.5%	46.1%	4.2	2.6	65.2%	83.3%	32.5%
King William	4.5%	2.0%	\$38.63	\$17.22	73.6%	51.8%	5.8	2.8	57.6%	80.8%	39.8%
Lancaster	2.9%	1.3%	\$25.81	\$11.86	60.7%	37.8%	4.6	2.0	68.2%	89.4%	42.4%
Lee	5.1%	2.1%	\$39.35	\$16.00	61.1%	33.8%	7.4	3.3	63.5%	93.5%	44.6%
Lexington City	3.1%	1.7%	\$23.54	\$12.78	58.8%	42.4%	4.0	2.4	67.4%	86.7%	31.1%
Loudoun	5.0%	2.8%	\$30.85	\$17.29	70.4%	59.3%	4.7	3.0	59.9%	78.0%	22.0%
Louisa	3.9%	2.1%	\$30.01	\$16.25	69.2%	51.2%	5.3	3.0	62.2%	81.9%	33.6%
Lunenburg	4.3%	2.1%	\$33.48	\$16.19	72.2%	48.8%	7.4	3.8	58.3%	85.8%	38.4%
Lynchburg City	3.6%	1.7%	\$27.35	\$12.53	63.0%	43.6%	5.5	2.3	57.4%	79.1%	41.3%
Madison	4.5%	2.4%	\$32.46	\$16.99	71.7%	52.0%	6.0	3.0	56.3%	77.5%	40.8%
Manassas City	5.2%	2.9%	\$29.52	\$16.69	68.4%	56.9%	5.1	3.4	64.8%	78.9%	25.0%
Manassas Park City	6.5%	4.6%	\$25.73	\$18.32	59.3%	51.2%	6.0	4.8	68.2%	81.6%	14.5%
Martinsville City	4.6%	2.0%	\$38.32	\$16.47	66.0%	44.2%	7.7	3.8	55.6%	85.6%	37.5%
Mathews	3.5%	1.5%	\$32.54	\$13.74	70.4%	45.1%	5.9	2.4	67.8%	89.7%	43.6%

Locality	Investment				Access & Utilization				Continuity		Workforce
	Broad PC (% of Total Healthcare Spending)	Narrow PC (% of Total Healthcare Spending)	Broad PC PMPM (\$)	Narrow PC PMPM (\$)	Received ≥1 Broad PC Visit (%)	Received ≥1 Narrow PC Visit (%)	Broad PC Visits per Average Member	Narrow PC Visits per Average Member	Broad Continuity of Care (%)	Narrow Continuity of Care (%)	APP Share of Broad PC Visits
Mecklenburg	3.8%	1.7%	\$31.80	\$13.79	70.3%	45.0%	6.8	2.9	56.8%	83.8%	48.0%
Middlesex	3.8%	1.7%	\$30.90	\$14.07	67.7%	45.5%	5.6	2.4	66.4%	87.9%	42.5%
Montgomery	4.1%	2.5%	\$27.85	\$17.30	67.5%	54.8%	4.7	2.9	63.1%	81.0%	30.0%
Nelson	3.6%	1.8%	\$26.69	\$13.18	70.0%	48.1%	4.8	2.3	59.1%	82.6%	42.8%
New Kent	4.4%	2.1%	\$35.80	\$17.21	73.1%	54.6%	6.6	3.6	57.5%	77.7%	32.7%
Newport News City	3.8%	2.0%	\$28.32	\$14.79	65.2%	48.6%	5.3	2.8	63.1%	80.7%	34.5%
Norfolk City	2.9%	1.5%	\$23.66	\$12.00	57.2%	41.7%	4.0	2.3	65.3%	82.2%	33.6%
Northampton	3.2%	1.2%	\$26.98	\$10.30	66.9%	38.1%	4.5	1.8	62.0%	88.0%	49.9%
Northumberland	3.4%	1.2%	\$26.13	\$9.54	63.4%	31.3%	4.5	1.6	63.5%	88.7%	53.0%
Norton City	5.4%	1.8%	\$43.95	\$14.94	70.5%	39.5%	8.7	2.7	53.0%	91.3%	56.2%
Nottoway	4.1%	2.1%	\$30.57	\$15.98	69.1%	51.2%	6.7	3.9	61.8%	81.9%	32.6%
Orange	4.0%	2.4%	\$29.70	\$17.56	67.3%	52.4%	5.1	3.0	57.9%	76.8%	32.2%
Page	2.3%	0.9%	\$20.97	\$7.81	55.9%	28.0%	3.6	1.2	58.6%	83.1%	55.9%
Patrick	4.2%	2.5%	\$31.35	\$18.83	68.1%	52.2%	6.0	3.6	61.1%	85.2%	32.5%
Petersburg City	2.9%	1.2%	\$26.32	\$10.91	61.9%	41.1%	4.6	2.2	62.1%	84.7%	40.2%
Pittsylvania	3.3%	1.5%	\$26.63	\$12.00	66.0%	41.6%	5.9	2.6	59.8%	85.1%	45.3%
Poquoson City	4.1%	2.3%	\$34.23	\$19.45	74.8%	60.2%	6.7	3.5	65.0%	84.4%	30.6%
Portsmouth City	3.4%	1.7%	\$27.76	\$13.74	61.1%	45.2%	4.9	2.7	61.9%	79.0%	33.5%
Powhatan	4.6%	2.4%	\$33.64	\$17.67	73.1%	61.0%	5.5	3.2	57.6%	80.1%	25.9%
Prince Edward	3.6%	1.6%	\$29.13	\$12.64	68.3%	44.8%	6.0	2.7	61.7%	84.3%	43.6%
Prince George	3.9%	1.8%	\$29.70	\$13.73	65.3%	45.0%	4.6	2.5	61.0%	83.0%	34.5%

Locality	Investment				Access & Utilization				Continuity		Workforce
	Broad PC (% of Total Healthcare Spending)	Narrow PC (% of Total Healthcare Spending)	Broad PC PMPM (\$)	Narrow PC PMPM (\$)	Received ≥1 Broad PC Visit (%)	Received ≥1 Narrow PC Visit (%)	Broad PC Visits per Average Member	Narrow PC Visits per Average Member	Broad Continuity of Care (%)	Narrow Continuity of Care (%)	APP Share of Broad PC Visits
Prince William	4.3%	2.3%	\$26.22	\$14.16	68.6%	55.4%	4.8	3.0	64.0%	79.5%	24.3%
Pulaski	3.7%	1.7%	\$30.33	\$14.31	64.4%	45.7%	6.3	2.7	61.0%	86.0%	46.9%
Radford	3.8%	2.0%	\$29.90	\$16.15	67.3%	51.3%	5.4	3.0	60.9%	82.0%	37.3%
Rappahannock	3.5%	1.7%	\$25.64	\$12.62	65.8%	46.0%	4.6	2.3	60.7%	83.2%	40.7%
Richmond	4.0%	1.3%	\$32.22	\$10.62	65.6%	34.9%	5.4	1.9	52.3%	85.3%	55.0%
Richmond City	3.5%	1.3%	\$24.15	\$9.00	52.6%	34.0%	3.7	1.7	58.9%	79.9%	40.8%
Roanoke	3.7%	2.1%	\$27.33	\$15.65	67.7%	52.8%	4.8	2.9	64.9%	81.4%	28.8%
Roanoke City	3.5%	1.8%	\$25.37	\$13.29	61.0%	44.0%	4.5	2.6	62.4%	76.4%	33.3%
Rockbridge	3.2%	1.8%	\$23.94	\$13.49	60.3%	43.5%	4.4	2.4	61.6%	84.1%	33.0%
Rockingham	3.9%	2.0%	\$28.61	\$15.10	70.3%	46.3%	5.0	2.5	62.0%	84.0%	41.7%
Russell	5.0%	1.9%	\$40.62	\$15.20	68.7%	41.6%	7.9	3.0	52.0%	86.5%	50.2%
Salem	3.4%	2.0%	\$26.61	\$15.42	66.0%	52.5%	4.9	3.0	66.3%	82.3%	28.6%
Scott	5.4%	2.3%	\$42.62	\$18.22	64.1%	44.4%	9.0	3.4	54.8%	84.9%	43.7%
Shenandoah	3.3%	1.3%	\$28.47	\$11.07	63.4%	35.0%	4.5	1.7	58.3%	86.1%	51.0%
Smyth	4.9%	2.1%	\$41.23	\$18.05	74.2%	50.9%	8.9	4.1	51.1%	84.7%	43.1%
Southampton	3.3%	1.2%	\$28.43	\$10.31	69.3%	37.5%	5.5	2.1	61.2%	86.8%	54.4%
Spotsylvania	3.2%	1.9%	\$24.09	\$14.09	63.7%	50.2%	4.0	2.6	66.7%	84.1%	28.3%
Stafford	3.5%	1.8%	\$23.26	\$12.22	63.5%	49.9%	4.0	2.5	65.0%	81.9%	28.6%
Staunton City	3.5%	2.0%	\$28.91	\$16.25	69.2%	52.6%	5.2	2.8	58.6%	80.7%	38.2%
Suffolk City	3.3%	1.6%	\$27.77	\$13.30	65.7%	46.3%	4.8	2.4	61.5%	83.5%	40.4%
Surry	3.7%	1.7%	\$27.83	\$13.07	67.4%	45.0%	5.2	2.4	61.4%	88.1%	41.8%
Sussex	2.9%	1.1%	\$26.80	\$9.77	65.3%	36.8%	5.2	2.1	61.9%	85.9%	50.6%

Locality	Investment				Access & Utilization				Continuity		Workforce
	Broad PC (% of Total Healthcare Spending)	Narrow PC (% of Total Healthcare Spending)	Broad PC PMPM (\$)	Narrow PC PMPM (\$)	Received ≥1 Broad PC Visit (%)	Received ≥1 Narrow PC Visit (%)	Broad PC Visits per Average Member	Narrow PC Visits per Average Member	Broad Continuity of Care (%)	Narrow Continuity of Care (%)	APP Share of Broad PC Visits
Tazewell	3.9%	1.2%	\$29.70	\$8.96	65.4%	33.2%	6.2	1.8	54.3%	84.1%	61.7%
Virginia Beach City	3.8%	2.1%	\$28.60	\$15.97	66.5%	52.1%	4.7	2.7	62.2%	80.2%	32.9%
Warren	3.7%	1.5%	\$28.95	\$11.73	60.2%	36.4%	4.2	1.7	57.5%	81.1%	45.9%
Washington	5.2%	2.2%	\$41.76	\$17.45	70.2%	48.2%	8.2	3.2	47.8%	78.7%	47.4%
Waynesboro City	3.9%	2.2%	\$31.21	\$17.60	72.8%	56.9%	5.6	3.1	58.6%	80.8%	35.6%
Westmoreland	3.6%	1.6%	\$28.96	\$12.74	64.9%	42.8%	5.0	2.3	59.4%	85.6%	45.7%
Williamsburg City	2.8%	1.4%	\$20.41	\$10.20	50.5%	34.0%	3.8	1.6	64.6%	88.7%	42.2%
Winchester City	3.9%	1.8%	\$31.74	\$14.30	65.8%	45.8%	6.0	2.8	58.2%	83.1%	41.3%
Wise	5.4%	1.7%	\$42.95	\$13.63	68.8%	36.2%	8.3	2.5	53.5%	90.3%	57.7%
Wythe	3.9%	1.6%	\$32.50	\$12.82	70.3%	42.1%	6.6	2.6	56.8%	89.0%	50.7%
York	4.3%	2.5%	\$33.54	\$19.44	73.0%	59.4%	6.5	3.4	65.9%	83.8%	30.3%