

Virginia Table 1. Impact of Health Insurance Gaps on Total COVID-19 Cases, from January 22, 2020 through August 31, 2020, and through February 1, 2021

County	Cases through August 31, 2020		Cases through February 1, 2021*		Percentage of Total Cases Linked to Health Insurance Gaps
	Total Cases	Cases Linked to Health Insurance Gaps	Total Cases	Cases Linked to Health Insurance Gaps	
Virginia, statewide	120,594	50,661	507,640	212,898	42%**
Accomack	1,145	680	2,365	1,405	59%
Albemarle	1,034	416	3,946	1,588	40%
Alexandria	3,378	1,533	9,482	4,304	45%
Alleghany	65	28	1,123	476	42%
Amelia	98	50	646	332	51%
Amherst	290	137	2,401	1,138	47%
Appomattox	169	79	1,249	581	47%
Arlington	3,555	1,064	11,769	3,521	30%
Augusta	364	154	4,773	2,024	42%
Bath			240	117	49%
Bedford	546	230	5,204	2,191	42%
Bland			603	233	39%
Botetourt	249	87	1,879	656	35%
Bristol	121	51	1,185	503	42%
Brunswick	293	144	1,094	536	49%
Buchanan	99	49	1,162	576	50%
Buckingham	644	338	1,866	978	52%
Buena Vista	75	30	748	303	41%
Campbell	324	150	3,545	1,640	46%
Caroline	263	119	1,589	717	45%
Carroll	396	198	1,979	991	50%
Charles City	70	39	345	191	55%
Charlotte	69	38	633	344	54%
Charlottesville	681	289	2,743	1,163	42%
Chesapeake	3,801	1,315	15,548	5,378	35%
Chesterfield	5,046	2,046	19,294	7,824	41%
Clarke	81	35	677	291	43%
Colonial Heights	220	91	1,056	435	41%
Covington			566	242	43%
Craig			216	81	38%
Culpeper	1,117	542	3,756	1,821	48%

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County	Cases through August 31, 2020		Cases through February 1, 2021*		Percentage of Total Cases Linked to Health Insurance Gaps
	Total Cases	Cases Linked to Health Insurance Gaps	Total Cases	Cases Linked to Health Insurance Gaps	
Cumberland	97	47	327	158	48%
Danville	606	272	3,664	1,642	45%
Dickenson	67	31	821	377	46%
Dinwiddie	292	131	1,492	668	45%
Emporia	231	96	564	234	41%
Essex	128	60	538	253	47%
Fairfax	18,417	6,871	59,717	22,280	37%
Fairfax City	120	47	429	168	39%
Falls Church	66	13	290	55	19%
Fauquier	762	316	3,493	1,449	41%
Floyd	153	79	682	352	52%
Fluvanna	226	98	1,158	502	43%
Franklin	213	99	3,360	1,564	47%
Franklin City	298	112	865	326	38%
Frederick	764	326	6,023	2,573	43%
Fredericksburg	481	220	1,535	701	46%
Galax	396	218	958	528	55%
Giles			941	385	41%
Gloucester	201	85	1,515	638	42%
Goochland	220	72	1,043	342	33%
Grayson	194	96	1,038	514	50%
Greene	199	96	855	415	48%
Greensville	709	307	1,312	568	43%
Halifax	210	95	2,003	903	45%
Hampton	1,554	595	7,231	2,769	38%
Hanover	794	255	5,871	1,885	32%
Harrisonburg	1,346	726	5,332	2,875	54%
Henrico	4,608	1,897	18,624	7,669	41%
Henry	844	445	3,754	1,978	53%
Highland			83	50	60%
Hopewell	350	163	1,763	820	47%
Isle of Wight	552	210	2,203	836	38%
James City	743	254	3,486	1,194	34%

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	Total Cases	Cases Linked to Health Insurance Gaps	Total Cases	Cases Linked to Health Insurance Gaps	
King and Queen			255	135	53%
King George	201	65	1,232	400	32%
King William	115	46	722	290	40%
Lancaster	71	35	568	283	50%
Lee	201	96	2,149	1,030	48%
Lexington			812	295	36%
Loudoun	5,979	1,833	20,484	6,280	31%
Louisa	250	124	1,529	758	50%
Lunenburg	93	52	571	321	56%
Lynchburg	986	427	6,210	2,690	43%
Madison	91	44	481	231	48%
Manassas	1,805	1,029	3,725	2,123	57%
Manassas Park	565	325	1,070	615	57%
Martinsville	327	139	1,377	584	42%
Mathews			442	176	40%
Mecklenburg	516	236	1,792	819	46%
Middlesex	55	24	411	183	45%
Montgomery	493	209	6,347	2,692	42%
Nelson	85	43	647	324	50%
New Kent	151	57	1,065	404	38%
Newport News	2,317	1,011	9,838	4,291	44%
Norfolk	4,394	2,142	12,906	6,293	49%
Northampton	304	164	637	343	54%
Northumberland	89	43	588	285	48%
Norton			234	93	40%
Nottoway	198	106	1,652	883	53%
Orange	262	117	1,530	686	45%
Page	361	177	1,660	814	49%
Patrick	224	114	1,066	542	51%
Petersburg	631	294	2,651	1,234	47%
Pittsylvania	770	371	4,153	2,002	48%
Poquoson	67	18	612	162	26%
Portsmouth	2,213	932	6,580	2,771	42%

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	Total Cases	Cases Linked to Health Insurance Gaps	Total Cases	Cases Linked to Health Insurance Gaps	
Powhatan	189	75	1,338	534	40%
Prince Edward	488	239	1,734	850	49%
Prince George	554	205	2,555	945	37%
Prince William	10,836	5,012	35,412	16,378	46%
Pulaski	135	54	2,177	869	40%
Radford	399	145	1,800	653	36%
Rappahannock	53	27	266	135	51%
Richmond	333	163	1,232	604	49%
Richmond City	3,897	1,973	12,862	6,511	51%
Roanoke	606	216	6,532	2,327	36%
Roanoke City	1,200	598	6,949	3,463	50%
Rockbridge	85	39	1,074	491	46%
Rockingham	1,058	507	5,565	2,668	48%
Russell	187	81	1,911	828	43%
Salem	212	71	1,752	588	34%
Scott	153	66	1,502	651	43%
Shenandoah	769	362	3,417	1,609	47%
Smyth	273	123	2,409	1,086	45%
Southampton	351	151	1,717	739	43%
Spotsylvania	1,801	753	7,246	3,029	42%
Stafford	1,704	578	8,005	2,713	34%
Staunton	170	69	2,216	899	41%
Suffolk	1,635	605	5,865	2,169	37%
Surry	68	28	324	134	41%
Sussex	339	173	996	507	51%
Tazewell	195	90	2,967	1,364	46%
Virginia Beach	6,028	2,367	26,420	10,376	39%
Warren	391	183	2,013	942	47%
Washington	368	168	4,066	1,857	46%
Waynesboro	215	102	1,876	894	48%
Westmoreland	223	108	1,019	494	48%
Williamsburg	155	64	446	185	41%
Winchester	439	232	2,301	1,218	53%

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	Total Cases	Cases Linked to Health Insurance Gaps	Total Cases	Cases Linked to Health Insurance Gaps	
Wise	329	154	2,662	1,246	47%
Wythe	160	73	1,807	825	46%
York	461	150	2,559	831	32%

Sources: National Center for Coverage Innovation at Families USA (NCCI) analysis of COVID-19 cumulative case and death rates, by county, Johns Hopkins University, https://github.com/CSSEGISandData/COVID-19/blob/master/csse_covid_19_data/csse_covid_19_time_series/time_series_covid19_confirmed_US.csv, https://github.com/CSSEGISandData/COVID-19/blob/master/csse_covid_19_data/csse_covid_19_time_series/time_series_covid19_deaths_US.csv U.S. Census Bureau, Small Area Health Insurance Estimates using the American Community Survey, 2018, <https://www2.census.gov/programs-surveys/sahie/datasets/time-series/estimates-acs/sahie-2018-csv.zip>

Notes: January 22, 2020, is the first date for which COVID-19 information for U.S. cases and deaths is available from Johns Hopkins University. These tables do not include county estimates where the number of cases or deaths is below 50.

*Projected impact of insurance gaps on cumulative cases if trends observed from January 22, 2020, through August 31, 2020, continued through February 1, 2021

**Statewide percentage is for the period ending on August 31, 2020.

Virginia Table 2. Impact of Health Insurance Gaps on Total COVID-19 Deaths, from January 22, 2020 through August 31, 2020, and through February 1, 2021

County	Deaths through August 31, 2020		Deaths through February 1, 2021*		Percentage of Total Deaths Linked to Health Insurance Gaps
	Total Deaths	Deaths Linked to Health Insurance Gaps	Total Deaths	Deaths Linked to Health Insurance Gaps	
Virginia, statewide	2,580	843	6,474	2,167	33%**
Accomack					
Albemarle					
Alexandria	62	22	104	37	36%
Alleghany					
Amelia					
Amherst					
Appomattox					
Arlington	138	32	201	46	23%
Augusta					

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	Total Deaths	Deaths Linked to Health Insurance Gaps	Total Deaths	Deaths Linked to Health Insurance Gaps	
Bath					
Bedford					
Bland					
Botetourt					
Bristol					
Brunswick					
Buchanan					
Buckingham					
Buena Vista					
Campbell					
Caroline					
Carroll			57	23	40%
Charles City					
Charlotte					
Charlottesville					
Chesapeake			136	37	27%
Chesterfield	82	26	204	65	32%
Clarke					
Colonial Heights					
Covington					
Craig					
Culpeper					
Cumberland					
Danville			66	23	36%
Dickenson					
Dinwiddie					
Emporia					
Essex					
Fairfax	558	163	784	229	29%
Fairfax City					
Falls Church					
Fauquier					
Floyd					
Fluvanna					

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	Total Deaths	Deaths Linked to Health Insurance Gaps	Total Deaths	Deaths Linked to Health Insurance Gaps	
Franklin					
Franklin City					
Frederick					
Fredericksburg					
Galax					
Giles					
Gloucester					
Goochland					
Grayson					
Greene					
Greensville					
Halifax			52	19	36%
Hampton			66	20	30%
Hanover			101	25	25%
Harrisonburg			61	27	44%
Henrico	192	62	344	112	32%
Henry			75	32	42%
Highland					
Hopewell					
Isle of Wight					
James City					
King and Queen					
King George					
King William					
Lancaster					
Lee					
Lexington					
Loudoun	118	28	181	43	24%
Louisa					
Lunenburg					
Lynchburg			71	24	34%
Madison					
Manassas					
Manassas Park					

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Martinsville					
Mathews					
Mecklenburg					
Middlesex					
Montgomery			64	21	33%
Nelson					
New Kent					
Newport News			97	33	35%
Norfolk	52	20	142	55	39%
Northampton					
Northumberland					
Norton					
Nottoway					
Orange					
Page					
Patrick					
Petersburg					
Pittsylvania					
Poquoson					
Portsmouth			97	32	33%
Powhatan					
Prince Edward					
Prince George					
Prince William	185	68	313	115	37%
Pulaski					
Radford					
Rappahannock					
Richmond					
Richmond City			132	54	41%
Roanoke			78	22	28%
Roanoke City			119	48	40%
Rockbridge					
Rockingham			74	28	38%
Russell					

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Salem					
Scott					
Shenandoah			94	35	38%
Smyth			76	27	36%
Southampton					
Spotsylvania			82	27	33%
Stafford					
Staunton			52	17	32%
Suffolk	61	18	112	32	29%
Surry					
Sussex					
Tazewell					
Virginia Beach	68	21	208	64	31%
Warren					
Washington			81	29	36%
Waynesboro					
Westmoreland					
Williamsburg					
Winchester					
Wise			84	31	37%
Wythe					
York					

Sources: National Center for Coverage Innovation at Families USA (NCCI) analysis of COVID-19 cumulative case and death rates, by county, Johns Hopkins University, https://github.com/CSSEGISandData/COVID-19/blob/master/csse_covid_19_data/csse_covid_19_time_series/time_series_covid19_confirmed_US.csv, https://github.com/CSSEGISandData/COVID-19/blob/master/csse_covid_19_data/csse_covid_19_time_series/time_series_covid19_deaths_US.csv U.S. Census Bureau, Small Area Health Insurance Estimates using the American Community Survey, 2018, <https://www2.census.gov/programs-surveys/sahie/datasets/time-series/estimates-acs/sahie-2018-csv.zip>

Notes: January 22, 2020, is the first date for which COVID-19 information for U.S. cases and deaths is available from Johns Hopkins University. These tables do not include county estimates where the number of cases or deaths is below 50.

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