

Vaccine Breakthrough Data Collected On December 23, 2021 (Utah Collected On December 28, 2021)

State, Agency or Corporation	Breakthrough Cases	Prior Month	% Monthly Increase	Breakthrough Hospitalizations	Prior Month	% Monthly Increase	Breakthrough Deaths	Prior Month	% Monthly Increase	Notes	Web Reference
CDC	10,162	10,162	0.0%	30,270	30,270	0.0%	10,857	10,857	0.0%	The CDC Stopped Reporting Vaccine Breakthrough Cases On April 30, 2021. The CDC Stopped Reporting Vaccine Breakthrough Hospitalizations & Deaths On October 30, 2021. A Vaccine Breakthrough Case Is Defined As A Case Where The Person Has Received All Experimental Inoculations In The Series, There Have Been At Least 14-Days Since The Last Inoculation In The Series, And There Is A Positive PCR Test With A Cycle Threshold Below 28. For Comparison, The Standard For A Confirmed Case Of Infection Is A PCR Test With A Cycle Threshold Below 40, Which Has Been Proven To Encourage False Positive Results For All Cycle Thresholds Above 28.	https://www.cdc.gov/vaccines/covid-19/health-departments/breakthrough-cases.html
Kaiser	61,983	61,983	0.0%	4,193	4,193	0.0%	870	870	0.0%	Last Data Report - July 30, 2021. As Of July 30, 2021 Only 25 Of The 56 US States & Territories Were Reporting Any Data On Vaccine Breakthrough. AK, AZ, AR, CA, CO, DE, DC, ID, IL, IN, ME, MA, MI, MT, NE, NJ, NM, OK, OR, RI, TN, UT, VT, VA, WA	https://www.kff.org/policy-watch/covid-19-vaccine-breakthrough-cases-data-from-the-states/
State Health Department Totals	2,586,927	1,446,807	78.8%	90,119	56,324	60.0%	24,903	16,111	54.6%	As of December 28th, only 31 out of 51 US Health Departments are updating data on a monthly basis. At least partial data on COVID Vaccine Breakthrough. An additional 13 have published data previously. Colorado & Wisconsin are publishing data, but not cumulative totals, so their data cannot be analyzed independently.	
Alabama	190			0			0	0		Last Data Report - April 19, 2021. No Vaccine Breakthrough Data Is Available. Vaccine Breakthrough is not published on https://www.alabamapublichealth.gov/covid19/index.html and there is no weekly or monthly report to reference.	https://www.alabamapublichealth.gov/covid19vaccine/assets/cov-update-041921.pdf
Alaska	16,171	16,171	0.0%	257	257	0.0%	77	77	0.0%	Last Data Report - September 2021. Vaccine Breakthrough is not published on https://alaska-coronavirus-vaccine-outreach-alaska-dhss.hub.arcgis.com/ and there are no weekly or monthly reports to reference.	https://dhss.alaska.gov/dph/epi/id/siteassets/pages/HumanCoV/COVID_monthly_update.pdf
Arizona	1,759	1,759	0.0%				92	92		Last Data Report - July 14th. Vaccine Breakthrough is not published on https://azdhs.gov/covid19/data/index.php and there are no weekly or monthly reports to reference. The information presented by Kaiser is unable to be verified.	https://directorsblog.health.azdhs.gov/uptick-in-covid-19-cases-is-preventable-with-vaccination/
Arkansas								0		No Vaccine Breakthrough Data Is Available. Vaccine Breakthrough is not published on https://www.healthy.arkansas.gov/programs-services/topics/covid-19-reports and there is no weekly or monthly report to reference. The information presented by Kaiser is unable to be verified.	
California	282,434	225,026	25.5%	12,215	9,741	25.4%	1,772	1,271	39.4%	Last Data Report - December 4, 2021.	https://data.chhs.ca.gov/dataset/covid-19-post-vaccination-infection-data
Colorado								0		Colorado is publishing Case and Hospitalization Rates per 100K and Death Rates per 1M, but similar to the CDC, Colorado is not supplying the basic data necessary to analyze their published rates such as total breakthrough cases, hospitalizations, and deaths, which calls into question the accuracy and integrity of the data they are publishing.	https://covid19.colorado.gov/vaccine-breakthrough
Connecticut	43,337	242		32	32		256	3		Last Data Report - December 23, 2021.	https://portal.ct.gov/-/media/Coronavirus/CTDPHCOVID19summary12232021.pdf
Delaware	8,971	6,234	43.9%	142	114	24.6%	111	87	27.6%	Last Data Report - December 18, 2021.	https://news.delaware.gov/2021/12/17/weekly-covid-19-update-dec-17-2021-surge-of-new-positive-cases-continues/
District of Columbia	48,344	36,134	33.8%	2,798	138	1927.5%	250	15	1566.7%	Last Data Report - December 20, 2021.	https://coronavirus.dc.gov/data/vaccination
Florida								0		No Vaccine Breakthrough Data Is Available. Vaccine Breakthrough is not published on https://floridahealthcovid19.gov/ and there is no weekly or monthly report to reference.	
Georgia	90,687	71,250	27.3%	4,014	3,198	25.5%	1,462	1,178	24.1%	Last Data Report - December 21, 2021.	https://dph.georgia.gov/covid-19-breakthrough-reports
Hawai'i	4,867	4,867	0.0%	146	146	0.0%	36	36	0.0%	Last Data Report - September 30, 2021.	https://health.hawaii.gov/coronavirusdisease2019/files/2021/11/Hawaii-Breakthrough-Report-21.11.12.pdf
Idaho	9,433	9,433	0.0%	323	323	0.0%	142	142	0.0%	Last Data Report - October 9, 2021. Idaho reports only from May 15 to October 9th.	https://coronavirus.idaho.gov/wp-content/uploads/2021/10/COVIDBriefing15.pdf
Illinois				5,299	3,036	74.5%	1,429	935	52.8%	Last Data Report - December 22, 2021.	https://dph.illinois.gov/covid19/vaccine/vaccine-breakthrough.html
Indiana	94,046	62,396	50.7%	1,853	1,304	42.1%	980	659	48.7%	Last Data Report - December 21, 2021.	https://www.coronavirus.in.gov/vaccine/2680.htm
Iowa								0		No Vaccine Breakthrough Data Is Available. Vaccine Breakthrough is not published on https://coronavirus.iowa.gov/ and there is no weekly or monthly report to reference.	
Kansas								0		No Vaccine Breakthrough Data Is Available. Vaccine Breakthrough is not published on https://www.coronavirus.kdheks.gov/160/COVID-19-in-Kansas and there is no weekly or monthly report to reference.	
Kentucky	71,840			1,900			813	0		Last Data Report - December 15, 2021.	https://govstatus.egov.com/ky-covid-data-dashboard
Louisiana								0		No Vaccine Breakthrough Data Is Available. Vaccine Breakthrough is not published on https://ldh.la.gov/Coronavirus/ and there is no weekly or monthly report to reference.	
Maine	20,909	11,178	87.1%	489	348	40.5%	225	138	63.0%	Last Data Report - December 23, 2021.	https://www.maine.gov/dhhs/mecdc/infectious-disease/epi/airborne/coronavirus/data.shtml
Maryland	41,539	32,500	27.8%	2,899	2,348	23.5%	419	332	26.2%	Last Data Report - December 22, 2021. Since Jan 17.07% of all cases have been in the fully vaccinated.	https://coronavirus.maryland.gov/#vaccine

Massachusetts	114,318	58,807	94.4%	3,186	1,940	64.2%	784	468	67.5%	Last Data Report - December 18, 2021.	https://www.mass.gov/doc/weekly-report-covid-19-cases-in-vaccinated-individuals-november-9-2021/download
Michigan	124,733	68,629	81.7%	2,395	1,961	22.1%	1,483	793	87.0%	Last Data Report - December 3, 2021.	https://www.michigan.gov/documents/coronavirus/20211214_Data_and_modeling_update_vMEDIA_743631_7.pdf
Minnesota	125,076	64,844	92.9%	5,026	2,956	70.0%	938	483	94.2%	Last Data Report - November 14, 2021. Minnesota only published for the previous month.	https://www.health.state.mn.us/diseases/coronavirus/stats/ybt.html
Mississippi	8,426	6,982	20.7%	464	398	16.6%	458	394	16.2%	Last Data Report - November 11, 2021.	https://msdh.ms.gov/msdhsite/_static/14,23549,420,971.html
Missouri	79,795						822	0		Last Data Report - December 23, 2021.	https://health.mo.gov/living/healthcondiseases/communicable/novel-coronavirus/data/public-health/health-metrics/breakthrough-cases.php#
Montana	3,610	3,610	0.0%	248	248	0.0%	54	54	0.0%	Last Data Report - September 4, 2021.	https://dphhs.mt.gov/publichealth/cdep/diseases/CoronavirusMT/MontanaBreakthroughreport_FINAL_9.24.21.pdf
Nebraska	24,646	15,842	55.6%	555	329	68.7%	209	122	71.3%	Last Data Report - November 10, 2021.	https://dhhs.ne.gov/Pages/COVID-19-Weekly-Update.aspx
Nevada	16,739			830			246	0		No Vaccine Breakthrough Data Is Available at the State Level. Vaccine Breakthrough is not published on https://nvhealthresponse.nv.gov/ and there is no weekly or monthly report to reference. But we were able to find breakthrough data for Clark County, NV on Dec 22, 2021.	https://covid.southernnevadahealthdistrict.org/cases/breakthrough/
New Hampshire	2,441			47			40	0		No Vaccine Breakthrough Data Is Available. Vaccine Breakthrough is not published on https://www.covid19.nh.gov/ and there is no weekly or monthly report to reference. The only reference I could find was from indepthnh.org the last update was for October 20, 2021.	http://indepthnh.org/2021/10/29/state-vaccine-breakthrough-data-unavailable-until-case-back-log-addressed/
New Jersey	65,521	1,319	4867.5%	1,061	92	1053.3%	339	14	2321.4%	Last Data Report - November 29, 2021. No Vaccine Breakthrough Data Is Available. Vaccine Breakthrough is not published on https://www.nj.gov/health/cd/statistics/covid/#1 and there is no weekly or monthly report to reference.	https://www.shorenewsnetwork.com/2021/12/08/61500-fully-vaccinated-new-jerseyans-have-now-been-infected-with-covid-19-43000-since-september/
New Mexico	696	696	0.0%	15	15	0.0%	6	6	0.0%	Last Data Report - June 2, 2021. No Vaccine Breakthrough Data Is Available. Vaccine Breakthrough is not published on https://cv.nmhealth.org/ and there is no weekly or monthly report to reference.	https://cv.nmhealth.org/wp-content/uploads/2021/06/FINAL-NM-COVID19-Day-449-Press-Update2021_06_02.pdf
New York	291,880	137,380	112.5%	14,383	9,044	59.0%				Last Data Report - December 20, 2021.	https://coronavirus.health.ny.gov/covid-19-breakthrough-data
North Carolina	118,932	0		264						Last Data Report - December 18, 2021. Vaccine Breakthrough is published on a very limited basis. Hospitalizations are only published weekly and not cumulative and NC does not report any data on breakthrough deaths.	https://covid19.ncdhs.gov/media/380/open
North Dakota	16,457	11,766	39.9%	633	478	32.4%	175	122	43.4%	Last Data Report - November 12, 2021.	https://www.health.nd.gov/diseases-conditions/coronavirus/north-dakota-coronavirus-cases
Ohio				2,786	1,941	43.5%	664	510	30.2%	Last Data Report - November 10, 2021.	https://coronavirus.ohio.gov/wps/portal/gov/covid-19/dashboards/covid-19-vaccine/breakthrough-dashboard/breakthrough-dashboard
Oklahoma	12,790	12,790	0.0%	735	735	0.0%	160	160	0.0%	Last Data Report - October 20, 2021. Vaccine Breakthrough Data Is Available But Has Been Modified To Only Include Hospitalization Data Over The Previous 30 Days. No longer reporting on breakthrough.	https://oklahoma.gov/covid19/newsroom/2021/october/osdh-weekly-epidemiology-report-10-20-2021.html
Oregon	50,882	39,686	28.2%	2,081	1,754	18.6%	498	420	18.6%	Last Data Report - December 23, 2021. Oregon did not begin reporting on Vaccine Breakthrough until May 6, 2021.	https://govstatus.egov.com/OR-OHA-COVID-19
Pennsylvania	168,594	69,822	141.5%	8,235	3,247	153.6%	1,612	518	211.2%	Last Data Report - December 6, 2021.	https://www.health.pa.gov/topics/disease/coronavirus/Pages/Post-Vaccination-Data.aspx
Rhode Island	24,192	11,822	104.6%	857	509	68.4%	132	79	67.1%	Last Data Report - December 14, 2021.	https://ri-department-of-health-covid-19-breakthrough-cases-rihealth.hub.arcgis.com/
South Carolina	23,866	18,498	29.0%	1,596	1,469	8.6%	532	471	13.0%	Last Data Report - December 14, 2021.	https://scdhcc.gov/covid19/covid-19-data/breakthrough-cases-tracking-disease-infection-after-vaccination
South Dakota	1,718	804	113.7%	141	79	78.5%	18	14	28.6%	Last Data Report - September 9, 2021.	https://doh.sd.gov/documents/COVID19/08-12-21_HealthcareCall_Slides.pdf
Tennessee	87,713	67,621	29.7%	2,010	1,625	23.7%	878	649	35.3%	Last Data Report - December 20, 2021.	https://www.tn.gov/content/dam/tn/health/documents/cedep/novel-coronavirus/CriticalIndicatorReport.pdf
Texas	231,053	231,053	0.0%	1,625	1,625	0.0%	4,142	4,142	0.0%	Last Data Report - October 1, 2021.	https://dshs.texas.gov/immunize/covid19/data/Cases-and-Deaths-by-Vaccination-Status-11082021.pdf
Utah	60,349			2,442			347			Last Data Report - December 28, 2021.	https://coronavirus.utah.gov/case-counts/
Vermont	11,379	6,011	89.3%	278	163	70.6%	103	72	43.1%	Last Data Report - December 17, 2021.	https://www.healthvermont.gov/covid-19/current-activity/data-summary
Virginia	72,332	53,733	34.6%	2,398	1,896	26.5%	919	698	31.7%	Last Data Report - December 11, 2021.	https://www.vdh.virginia.gov/coronavirus/see-the-numbers/covid-19-in-virginia/covid-19-cases-by-vaccination-status/
Washington	86,237	69,026	24.9%	3,461	2,835	22.1%	851	676	25.9%	Last Data Report - December 11, 2021. WA reports that no hospital information was available for 35,007 of the reported breakthrough cases.	https://www.doh.wa.gov/Portals/1/Documents/1600/coronavirus/data-tables/420-339-VaccineBreakthroughReport.pdf
West Virginia	28,025	18,876	48.5%				429	281	52.7%	Last Data Report - December 12, 2021.	https://dhhr.wv.gov/COVID-19/Pages/default.aspx

Wisconsin									Wisconsin is publishing Case, Hospitalization, and Death Rates per 100K, 1M, but similar to the CDC and Colorado, Wisconsin is not supplying the basic data necessary to analyze their published rates such as total breakthrough cases, hospitalizations, and deaths, which calls into question the accuracy and integrity of the data they are publishing.	https://www.dhs.wisconsin.gov/covid-19/vaccine-status.htm#menu
Wyoming									The page for case breakthrough data has been removed.	https://sites.google.com/wyo.gov/covid-19/home