COVID Data Tracker

Maps, charts, and data provided by CDC, updates Mon-Fri by 8 pm ET

COVID Data Tracker will not update on Monday, September 5, 2022. Updates will resume on Tuesday, September 6, 2022.

CDC recommends use of COVID-19 Community Levels to determine the impact of COVID-19 on communities and to take action. CDC also provides Transmission Levels (also known as Community Transmission) to describe the amount of COVID-19 spread within each county. Healthcare facilities use Transmission Levels to determine infection control interventions.

United States At a Glance	Cases Total	Deaths Total	Current Hosp.	34.8% of People 5+ with First Booster
	94,487,185	1,041,816	30,587	
	Case Trends	Death Trends	Admission Trends	

CLICK TO VIEW OTHER PAGES:
Wastewater Surveillance

Wastewater Surveillance

COVID-19: Wastewater Surveillance

Communities can track the presence of SARS-CoV-2, the virus that causes COVID-19, in wastewater samples. These data can provide an early warning of COVID-19's spread in communities. For more information, visit the Wastewater Surveillance System page.

Monitoring Wastewater Surveillance Data

Wastewater surveillance for COVID-19 is a rapidly developing field. State, tribal, local, and territorial health departments participating in the National Wastewater Surveillance System (NWSS) submit testing data to CDC. CDC then standardizes and interprets these data and presents them in the COVID Data Tracker. How often sites collect wastewater samples and how frequently data are reported to CDC varies by health department.

Wastewater data are meant to be used with other COVID-19 surveillance data to better understand COVID-19's spread in a community. Learn more about wastewater data by exploring each of the charts and maps.

View information about the data and download the data.

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About the Data

Maps, charts, and data provided by CDC, updates Mon-Fri by 8pm ET[†]. This represents all wastewater data submitted directly to CDC's NWSS DCIPHER platform, with the exceptions described in the About the Data section below. Each dot on the map represents a site. A site can represent all or part of a "sewershed," which is the area contributing wastewater to a sampling location. Not all communities report wastewater data to CDC. Participation is voluntary, and wastewater samples are collected from sewer systems so communities that rely primarily on septic systems are not represented. In addition, some sites that submit data to NWSS are not represented on the map due to various factors, such as small population size or having facility-specific sampling.

View Footnotes and Download Data

Wastewater Metric Chart

This chart shows how much virus levels have changed (increased and decreased) over time at wastewater sites across the United States. It shows the percent of sites in each category of the percent change metric for each date among all sites with available data.

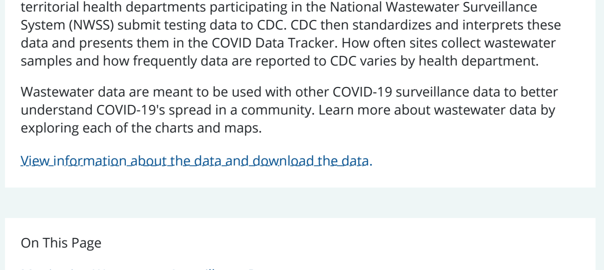
The percent change metric shows whether virus levels have increased or decreased at sites over the last 15 days.

- Blue categories (Large decrease (-100%); Decrease (-99% to -10%)): Virus levels decreased at these sites in the last 15 days.
- Yellow category (Stable (-9% to 9%)): Virus levels stayed about the same at these sites in the last 15 days.
- Orange and red categories (Increase (10% to 99%); Large increase (100% or more)): Virus levels increased at these sites in the last 15 days.

The chart shows the overall percent of sites that were in each category over time since January 1, 2021. If more area on the chart is shaded light or dark blue, it means virus levels were decreasing at more sites at that point in time. If more area on the chart is shaded red or orange, it means virus levels were increasing at more sites at that point in time. Since the percent change in the last 15 days metric may be affected by how many wastewater plants were collecting wastewater samples, the black line shows the number of sampling sites with available data for each date.

Note: This chart **does not** show overall levels of SARS-CoV-2 in wastewater.

Percent of sites in each percent change category over time, United States



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Wastewater Metric Map

State or territory: Select State or Territory

County: Select a state in order to enable county select

Reset Selections

Time Period: Aug 16, 2022 – Aug 30, 2022

Major Cities On | Major Cities Off

Metric:
- Current virus levels in wastewater by site
- Percent change in the last 15 days
- Percent of wastewater samples with detectable virus

Show:
- Sites with no recent data
- Sites that started sampling after 12/1/21

Current virus levels in wastewater by site
This metric shows whether SARS-CoV-2 levels at a site are currently higher or lower than past historical levels at the same site. 0% means levels are the lowest they have been at the site; 100% means levels are the highest they have been at the site. Public health officials watch for increasing levels of the virus in wastewater over time and use these data to help make public health decisions.

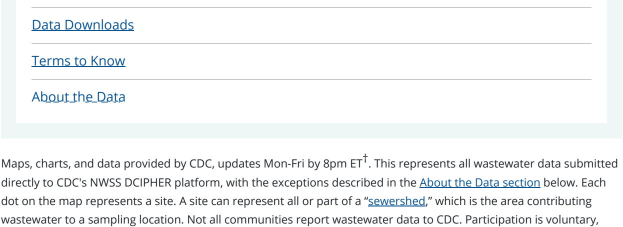
Note: Sites began collecting data at different times. Sites that began reporting wastewater data after December 1, 2021 are not comparable to sites that started reporting data on or before December 1, 2021. The data history for these new sites is not long enough to reflect the same surges as the other sites.

Current SARS-CoV-2 virus levels by site, United States

Current virus levels category	Num. sites	% sites	Category change in last 7 days
New Site	107	11	0%
0% to 19%	68	7	58%
20% to 39%	181	19	– 8%
40% to 59%	308	33	– 6%
60% to 79%	226	24	– 19%
80% to 100%	55	6	– 17%

Total sites with current data: 945
Total number of wastewater sampling sites: 1166

How is the current SARS-CoV-2 level compared to past levels calculated?



Select legend categories to filter points on the map.

New site · 0% to 19% · 20% to 39% · 40% to 59% · 60% to 79% · 80% to 100% · No recent data

Data Downloads and Footnotes

Expand each accordion to view data table and download data

View Historic Wastewater Data

Data Table for Wastewater Surveillance Current Virus Levels (in %)

CDC | Data as of: Friday, September 2, 2022 1:27 PM ET. Posted: Friday, September 2, 2022 2:35 PM ET

Download Data

Jurisdiction	Sewershed ID	Reporting Jurisdiction	County	Population Served	Current Virus Levels (in %)
Alaska	1172	Alaska	Anchorage	200,000	21.6
Alaska	1158	Alaska	Anchorage	15,000	39.8
Alaska	1490	Alaska	Juneau	10,000	new site
Alaska	1491	Alaska	Juneau	20,000	new site
Arizona	1212	Arizona	Maricopa	9,430	N/A
Arizona	1212	Arizona	Maricopa	17,280	N/A
Arizona	1212	Arizona	Maricopa	64,521	N/A
Arizona	1055	Arizona	Yuma	4,725	35
Arizona	1054	Arizona	Yuma	10,873	33.2
Arizona	501	Arizona	La Paz	3,500	N/A
Arizona	715	Arizona	Pima	397,407	29.8
Arizona	501	Arizona	La Paz	3,500	23.2
Arizona	1382	Arizona	Maricopa	50,000	new site
Arizona	1334	Arizona	Maricopa	150,000	21.6
Arizona	1383	Arizona	Maricopa	2,400,000	new site
Arizona	590	Arizona	Pima	347,900	29
Arizona	808	Arizona	Mohave	37,500	20.6
Arizona	590	Arizona	Pima	303,176	N/A
Arizona	715	Arizona	Pima	418,268	N/A
Arizona	808	Arizona	Mohave	22,000	new site
Arizona	1053	Arizona	Yuma	8,271	N/A
Arizona	1059	Arizona	Yuma	18,039	18.67
Arizona	1212	Arizona	Maricopa	9,848	N/A
Arizona	1212	Arizona	Maricopa	12,542	N/A
Arizona	1271	Arizona	Pima	23,000	new site
Arizona	1327	Arizona	Mohave	30,000	24.6
Arizona	1212	Arizona	Maricopa	6,500	N/A
Arkansas	1472	Arkansas	Saint Francis	13,000	new site
Arkansas	1461	Arkansas	Saline	35,000	new site
Arkansas	1444	Arkansas	Pulaski	5,000	new site
Arkansas	1442	Arkansas	Lonoke	27,000	new site
Arkansas	1462	Arkansas	Washington	93,949	new site
Arkansas	1465	Arkansas	Washington	93,949	new site
Arkansas	741	Arkansas	Mississippi	5,500	55.6
California	59	California	Kern	168,750	N/A
California	357	California	San Diego	2,200,000	N/A
California	354	California	Santa Clara	153,000	53.77
California	305	California	Santa Clara	236,000	53.62
California	247	California	Merced	91,000	N/A
California	215	California	Ventura, Los Angeles	4,000,000	N/A
California	1019	California	Lake	13,200	N/A
California	830	California	San Luis Obispo	47,000	new site
California	461	California	Humboldt	45,000	N/A
California	1027	California	Santa Cruz	160,000	N/A
California	803	California	Santa Cruz	150,000	9.6
California	802	California	Santa Cruz	85,000	6.8
California	564	California	Alameda	60,000	12.2
California	1409	California	San Bernardino	78,000	new site
California	1387	California	Monterey	250,000	new site
California	1320	California	Ventura	230,000	16
California	1219	California	Lake	5,000	new site
California	1173	California	Contra Costa	494,300	18.4
California	1199	California	Kings	59,000	53.2
California	1209	California	Marin	13,000	48.6
California	1230	California	San Luis Obispo	47,400	11.8
California	461	California	Humboldt	43,173	10.2
California	763	California	Santa Cruz	160,000	12.4
California	779	California	Los Angeles	200,000	22.2
California	834	California	Riverside	91,765	14.8
California	1026	California	Santa Cruz	160,000	N/A
California	1028	California	Santa Cruz	160,000	N/A
California	543	California	San Benito	40,000	N/A
California	570	California	Sonoma	170,000	N/A
California	126	California	Yolo	70,717	54.69
California	137	California	Alameda, Contra Costa	740,000	54.57
California	158	California	Fresno	650,000	N/A
California	211	California	Los Angeles	3,500,000	N/A
California	258	California	Stanislaus	230,000	N/A
California	353	California	Santa Clara	1,500,000	56.64
California	362	California	San Francisco, San Mateo	250,000	58.33
California	362	California	San Mateo, San Francisco	210,000	N/A
California	1288	California	El Dorado	40,000	16.8
California	1443	California	Imperial	50,000	new site
California	495	California	Santa Cruz	60,000	10
California	506	California	Los Angeles, Ventura	100,000	28.6
California	570	California	Sonoma	220,000	11.8
California	724	California	Contra Costa	215,394	13
California	778	California	Lake	10,080	33.4
California	793	California	San Luis Obispo	39,000	28.4
California	779	LA County	Los Angeles	197,000	N/A
California	1188	California	Ventura	220,000	N/A
California	299	California	Orange	1,800,000	31.88
California	352	California	Santa Clara	110,338	53.08
California	356	California	San Bernardino	325,000	71.83
California	363	California	San Mateo, San Francisco	750,000	N/A
California	383	California	Sacramento	1,480,000	49.4
California	393	California	San Mateo	199,000	56.39
California	77	California	Imperial	40,000	N/A
California	88	California	Contra Costa	484,800	53.17
Colorado	928	Colorado	Weld	20,000	53.4
Colorado	887	Colorado	Summit	18,571	70
Colorado	841	Colorado	Adams	21,429	62.4
Colorado	751	Colorado	Mesa	89,286	18.5
Colorado	748	Colorado	El Paso	34,286	73.6
Colorado	737	Colorado	Alamosa	18,364	40
Colorado	437	Colorado	Larimer	9,292	23.75
Colorado	372	Colorado	Denver, Arapahoe	247,443	38.2
Colorado	163	Colorado	Weld	83,319	51
Colorado	161	Colorado	Garfield	16,714	N/A
Colorado	1156	Colorado	Pitkin	7,143	new site
Colorado	1154	Colorado	Pitkin	17,571	26.5
Colorado	1135	Colorado	Teller	6,379	44.5
Colorado	1290	Colorado	Garfield	7,300	18
Colorado	1111	Colorado	Teller	7,143	59
Colorado	116	Colorado	El Paso	102,203	42.6
Colorado	117	Colorado	El Paso	303,855	N/A
Colorado	122	Colorado	Summit	7,857	63.25
Colorado	151	Colorado	Larimer	92,126	36.25
Colorado	152	Colorado	Larimer	26,621	42.2
Colorado	224	Colorado	Boulder, Weld	75,543	32.4
Colorado	251	Colorado	Denver	345,453	42.33
Colorado	368	Colorado	Adams	54,560	46.2
Colorado	370	Colorado	Larimer	23,193	42.67
Colorado	408	Colorado	Summit	35,643	58.25
Colorado	49	Colorado	Arapahoe, Adams	268,003	41.4
Colorado	578	Colorado	Las Animas	14,286	37.8
Colorado	58	Colorado	Weld, Larimer	7,946	19
Colorado	656	Colorado	La Plata	23,429	63
Colorado	66	Colorado	Boulder	89,383	44
Colorado	72	Colorado	Broomfield	53,355	32.8
Colorado	747	Colorado	Arapahoe	25,714	N/A
Colorado	843	Colorado	Eagle	30,714	49.25
Colorado	844	Colorado	Eagle	19,286	55
Colorado	845	Colorado	Summit	14,286	72.8
Colorado	142	Colorado	Larimer	5,818	44.6
Colorado	150	Colorado	Larimer	17,997	60.4
Colorado	226	Colorado	Boulder	17,600	24.4
Colorado	227	Colorado	Larimer	66,428	37
Colorado	252	Colorado	Denver	709,904	31.25
Colorado	329	Colorado	Pueblo	96,514	41.6
Colorado	396	Colorado	San Miguel	15,000	67.67
Colorado	47	Colorado	Pitkin	5,500	62
Colorado	556	Colorado	Morgan	12,000	39
Colorado	576	Colorado	Routt	43,741	55.4
Colorado	657	Colorado	Summit	28,571	56
Colorado	749	Colorado	Eagle	21,071	58.6
Colorado	846	Colorado	Gunnison	30,000	58.25
Connecticut	832	Connecticut	New London	40,000	new site
Connecticut	832	Connecticut	New London	40,000	72
Connecticut	1196	Connecticut	New Haven	19,500	40.2
Connecticut	1079	Connecticut	New Haven	228,000	32
Connecticut	1163	Connecticut	New London	22,000	25.6
Connecticut	1395	Connecticut	Fairfield	52,265	new site
Connecticut	534	Connecticut	Fairfield	100,000	37.2
Connecticut	686	Connecticut	New Haven	112,000	22.4
Connecticut	1395	Connecticut	Fairfield	52,265	new site
Connecticut	291	Connecticut	Fairfield	75,000	38
Connecticut	771	Connecticut	Fairfield	120,000	16
Connecticut	806	Connecticut	Fairfield	65,000	53.75
Connecticut	795	Connecticut	Windham	10,000	new site
District of Columbia	486	District of Columbia	District Of Columbia	1,600,000	13.6
Florida	1145	Florida	Seminole	43,010	79.8
Florida	1144	Florida	Seminole, Orange	51,000	63
Florida	829	Florida	Monroe	50,000	new site
Florida	670	Florida	Orange	59,587	32.5
Florida	574	Florida	Pinellas	220,000	12.8
Florida	1408	Florida	Seminole, Orange	85,700	new site
Florida	1410	Florida	Palm Beach, Martin	96,136	new site
Florida	668	Florida	Miami-Dade	920,528	17.6
Florida	669	Florida	Orange	277,823	31.2
Florida	671	Florida	Orange	463,672	22.4
Florida	711	Florida	Miami-Dade	829,725	8.2
Florida	781	Florida	Miami-Dade	776,150	8
Florida	711	Florida	Miami-Dade	829,725	N/A
Florida	781	Florida	Miami-Dade	776,150	N/A
Florida	1392	Florida	Hillsborough	180,000	new site
Florida	511	Florida	Pinellas	103,000	11.6
Florida	706	Florida	Escambia	197,000	29.5
Florida	490	Florida	Brevard	10,500	N/A
Georgia	1074	Georgia	Paulding	8,000	65.6
Georgia	1071	Georgia	Paulding	10,000	78.4
Georgia	684	Georgia	Dekalb	300,000	N/A
Georgia	476	Georgia	Richmond	197,191	59
Georgia	1109	Georgia	Lowndes	65,000	56.8
Georgia	1073	Georgia	Cobb	190,000	42.5
Georgia	1309	Georgia	Newton	32,000	49
Georgia	684	Georgia	Dekalb	325,000	30.6
Georgia	1072	Georgia	Gwinnett	650,000	69.2
Georgia	1169	Georgia	Clarke	56,500	62.8
Guam	1450	Guam	Guam	7,000	new site
Guam	1446	Guam	Guam	8,000	new site
Guam	1440	Guam	Guam	66,000	new site
Guam	1441	Guam	Guam	9,000	new site
Guam	1448	Guam	Guam	105,000	new site
Hawaii	798	Hawaii	Honolulu	48,519	25.4
Hawaii	710	Hawaii	Kauai	10,000	30.4
Hawaii	1208	Hawaii	Honolulu	20,800	13
Hawaii	1181	Hawaii	Maui	59,000	10
Hawaii	1203	Hawaii	Honolulu	300,000	8.6
Hawaii	1204	Hawaii	Honolulu	109,236	13.8
Hawaii	1205	Hawaii	Maui	49,000	13.4
Hawaii	1221	Hawaii	Hawaii	32,600	29.75
Hawaii	1286	Hawaii	Kauai	6,900	new site
Hawaii	1337	Hawaii	Hawaii	5,000	20.5
Hawaii	1175	Hawaii	Maui	52,000	15
Hawaii	790	Hawaii	Honolulu	700,000	29.6
Idaho	1227	Idaho	Bannock	75,000	22.33
Idaho	1228	Idaho	Caribou	3,200	32.67
Idaho	1249	Idaho	Blaine	5,338	new site
Idaho	1406	Idaho	Elmore	5,500	29
Idaho	1225	Idaho	Bingham	14,045	39.29
Idaho	1067	Idaho	Twin Falls	48,951	N/A
Idaho	1023	Idaho	Latah	24,000	69.29
Idaho	818	Idaho	Ada	120,344	43.86
Idaho	1066	Idaho	Bonneville	60,000	73
Idaho	1129	Idaho	Kootenai	38,500	93.75
Idaho	1347	Idaho	Minidoka	6,200	35.29
Idaho	992	Idaho	Ada	167,500	46.86
Illinois	1243	Illinois	Du Page	76,324	53.4
Illinois	1252	Illinois	Du Page	59,805	22.5
Illinois	605	Illinois	Saint Clair	26,150	87.6
Illinois	615	Illinois	Randolph	6,814	N/A
Illinois	616	Illinois	Christian	12,663	73.2
Illinois	619	Illinois	Vermilion	30,479	69.75
Illinois	622	Illinois	Effingham	12,384	82
Illinois	624	Illinois	Stephenson	27,218	78.6
Illinois	627	Illinois	Morgan	23,818	87
Illinois	628	Illinois	Kankakee	56,317	51
Illinois	631	Illinois	Mcdonough	22,004	91.8
Illinois	635	Illinois	Cook	1,134,897	65.86
Illinois	636	Illinois	Cook	110,394	59.86
Illinois	638	Illinois	Cook	1,127,736	52
Illinois	641	Illinois	Cook	217,106	57.71
Illinois	643	Illinois	Lake	55,735	70.67
Illinois	644	Illinois	Lake	105,208	63.67
Illinois	645	Illinois	Lake	126,629	92
Illinois	647	Illinois	Peoria	157,379	61.6
Illinois	654	Illinois	Whiteside	18,678	66.5
Illinois	655	Illinois	Champaign	91,041	83.8
Illinois	675	Chicago	Cook	54,458	56
Illinois	731	Illinois	Bureau	5,223	78.8
Illinois	857	Illinois	Lawrence	4,399	92.75
Illinois	894	Illinois	Lee	15,115	85.2
Illinois	972	Illinois	Saint Clair	32,289	31.2
Illinois	979	Illinois	Mclean	44,238	61.8
Illinois	462	Illinois	Winnebago	240,000	44.6
Illinois	546	Illinois	Kankakee	65,000	18.8
Illinois	1244	Illinois	Du Page	86,000	40.5
Illinois	603	Illinois	Kane	11,290	71
Illinois	606	Illinois	Saint Clair	26,150	81
Illinois	607	Illinois	Boone	41,500	72.2

Illinois	011	Illinois	13,648
Illinois	012	Jackson	13,648
Illinois	013	Jefferson	13,648
Illinois	015	Macon	16,746
Illinois	016	Marion	5,466
Illinois	017	Mercer	3,660
Illinois	018	Monroe	10,248
Illinois	019	Morgan	10,836
Illinois	020	Pike	3,660
Illinois	021	Pulaski	2,442
Illinois	022	Randolph	12,054
Illinois	023	Saline	6,660
Illinois	024	Sangamon	10,248
Illinois	025	Shelby	3,660
Illinois	026	Stephenson	3,660
Illinois	027	Tazewell	10,248
Illinois	028	Vermilion	10,836
Illinois	029	Wabash	2,442
Illinois	030	Wayne	3,660
Illinois	031	Wilson	3,660
Illinois	032	Zu Daga	136,358
Illinois	033	Zu Daga	9,468
Illinois	034	Zu Daga	215,774
Illinois	035	Zu Daga	75,242
Illinois	036	Zu Daga	43,768
Illinois	037	Zu Daga	10,248
Illinois	038	Zu Daga	10,248
Illinois	039	Zu Daga	10,248
Illinois	040	Zu Daga	10,248
Illinois

Texas	1,177	Cooke	2,295
Texas	1,178	Nueces	2,294
Texas	1,179	Cooke	2,293
Texas	1,180	Nueces	2,292
Texas	1,181	Nueces	2,291
Texas	1,182	Nueces	2,290
Texas	1,183	Nueces	2,289
Texas	1,184	Nueces	2,288
Texas	1,185	Nueces	2,287
Texas	1,186	Nueces	2,286
Texas	1,187	Nueces	2,285
Texas	1,188	Nueces	2,284
Texas	1,189	Nueces	2,283
Texas	1,190	Nueces	2,282
Texas	1,191	Nueces	2,281
Texas	1,192	Nueces	2,280
Texas	1,193	Nueces	2,279
Texas	1,194	Nueces	2,278
Texas	1,195	Nueces	2,277
Texas	1,196	Nueces	2,276
Texas	1,197	Nueces	2,275
Texas	1,198	Nueces	2,274
Texas	1,199	Nueces	2,273
Texas	1,200	Nueces	2,272
Texas	1,201	Nueces	2,271
Texas	1,202	Nueces	2,270
Texas	1,203	Nueces	2,269
Texas	1,204	Nueces	2,268
Texas	1,205	Nueces	2,267
Texas	1,206	Nueces	2,266
Texas	1,207	Nueces	2,265
Texas	1,208	Nueces	2,264
Texas	1,209	Nueces	2,263
Texas	1,210	Nueces	2,262
Texas	1,211	Nueces	2,261
Texas	1,212	Nueces	2,260
Texas	1,213	Nueces	2,259
Texas	1,214	Nueces	2,258
Texas	1,215	Nueces	2,257
Texas	1,216	Nueces	2,256
Texas	1,217	Nueces	2,255
Texas	1,218	Nueces	2,254
Texas	1,219	Nueces	2,253
Texas	1,220	Nueces	2,252
Texas	1,221	Nueces	2,251
Texas	1,222	Nueces	2,250
Texas	1,223	Nueces	2,249
Texas	1,224	Nueces	2,248
Texas	1,225	Nueces	2,247
Texas	1,226	Nueces	2,246
Texas	1,227	Nueces	2,245
Texas	1,228	Nueces	2,244
Texas	1,229	Nueces	2,243
Texas	1,230	Nueces	2,242
Texas	1,231	Nueces	2,241
Texas	1,232	Nueces	2,240
Texas	1,233	Nueces	2,239
Texas	1,234	Nueces	2,238
Texas	1,235	Nueces	2,237
Texas	1,236	Nueces	2,236
Texas	1,237	Nueces	2,235
Texas	1,238	Nueces	2,234
Texas	1,239	Nueces	2,233
Texas	1,240	Nueces	2,232
Texas	1,241	Nueces	2,231
Texas	1,242	Nueces	2,230
Texas	1,243	Nueces	2,229
Texas	1,244	Nueces	2,228
Texas	1,245	Nueces	2,227
Texas	1,246	Nueces	2,226
Texas	1,247	Nueces	2,225
Texas	1,248	Nueces	2,224
Texas	1,249	Nueces	2,223
Texas	1,250	Nueces	2,222
Texas	1,251	Nueces	2,221
Texas	1,252	Nueces	2,220
Texas	1,253	Nueces	2,219
Texas	1,254	Nueces	2,218
Texas	1,255	Nueces	2,217
Texas	1,256	Nueces	2,216
Texas	1,257	Nueces	2,215
Texas	1,258	Nueces	2,214
Texas	1,259	Nueces	2,213
Texas	1,260	Nueces	2,212
Texas	1,261	Nueces	2,211
Texas	1,262	Nueces	2,210
Texas	1,263	Nueces	2,209
Texas	1,264	Nueces	2,208
Texas	1,265	Nueces	2,207
Texas	1,266	Nueces	2,206
Texas	1,267	Nueces	2,205
Texas	1,268	Nueces	2,204
Texas	1,269	Nueces	2,203
Texas	1,270	Nueces	2,202
Texas	1,271	Nueces	2,201
Texas	1,272	Nueces	2,200
Texas	1,273	Nueces	2,199
Texas	1,274	Nueces	2,198
Texas	1,275	Nueces	2,197
Texas	1,276	Nueces	2,196
Texas	1,277	Nueces	2,195
Texas	1,278	Nueces	2,194
Texas	1,279	Nueces	2,193
Texas	1,280	Nueces	2,192
Texas	1,281	Nueces	2,191
Texas	1,282	Nueces	2,190
Texas	1,283	Nueces	2,189
Texas	1,284	Nueces	2,188
Texas	1,285	Nueces	2,187
Texas	1,286	Nueces	2,186
Texas	1,287	Nueces	2,185
Texas	1,288	Nueces	2,184
Texas	1,289	Nueces	2,183
Texas	1,290	Nueces	2,182
Texas	1,291	Nueces	2,181
Texas	1,292	Nueces	2,180
Texas	1,293	Nueces	2,179
Texas	1,294	Nueces	2,178
Texas	1,295	Nueces	2,177
Texas	1,296	Nueces	2,176
Texas	1,297	Nueces	2,175
Texas	1,298	Nueces	2,174
Texas	1,299	Nueces	2,173
Texas	1,300	Nueces	2,172
Texas	1,301	Nueces	2,171
Texas	1,302	Nueces	2,170
Texas	1,303	Nueces	2,169
Texas	1,304	Nueces	2,168
Texas	1,305	Nueces	2,167
Texas	1,306	Nueces	2,166
Texas	1,307	Nueces	2,165
Texas	1,308	Nueces	2,164
Texas	1,309	Nueces	2,163
Texas	1,310	Nueces	2,162
Texas	1,311	Nueces	2,161
Texas	1,312	Nueces	2,160
Texas	1,313	Nueces	2,159
Texas	1,314	Nueces	2,158
Texas	1,315	Nueces	2,157
Texas	1,316	Nueces	2,156
Texas	1,317	Nueces	2,155
Texas	1,318	Nueces	2,154
Texas	1,319	Nueces	2,153
Texas	1,320	Nueces	2,152
Texas	1,321	Nueces	2,151
Texas	1,322	Nueces	2,150
Texas	1,323	Nueces	2,149
Texas	1,324	Nueces	2,148
Texas	1,325	Nueces	2,147
Texas	1,326	Nueces	2,146
Texas	1,327	Nueces	2,145
Texas	1,328	Nueces	2,144
Texas	1,329	Nueces	2,143
Texas	1,330	Nueces	2,142
Texas	1,331	Nueces	2,141
Texas	1,332	Nueces	2,140
Texas	1,333	Nueces	2,139
Texas	1,334	Nueces	2,138
Texas	1,335	Nueces	2,137
Texas	1,336	Nueces	2,136
Texas	1,337	Nueces	2,135
Texas	1,338	Nueces	2,134
Texas	1,339	Nueces	2,133
Texas	1,340	Nueces	2,132
Texas	1,341	Nueces	2,131
Texas	1,342	Nueces	2,130
Texas	1,343	Nueces	2,129
Texas	1,344	Nueces	2,128
Texas	1,345	Nueces	2,127
Texas	1,346	Nueces	2,126
Texas	1,347	Nueces	2,125
Texas	1,348	Nueces	2,124
Texas	1,349	Nueces	2,123
Texas	1,350	Nueces	2,122
Texas	1,351	Nueces	2,121
Texas	1,352	Nueces	2,120
Texas	1,353	Nueces	2,119
Texas	1,354	Nueces	2,118
Texas	1,355	Nueces	2,117
Texas	1,356	Nueces	2,116
Texas	1,357	Nueces	2,115
Texas	1,358	Nueces	2,114
Texas	1,359	Nueces	2,113
Texas	1,360	Nueces	2,112
Texas	1,361	Nueces	2,111
Texas	1,362	Nueces	2,110
Texas	1,363	Nueces	2,109
Texas	1,364	Nueces	2,108
Texas	1,365	Nueces	2,107
Texas	1,366	Nueces	2,106
Texas	1,367	Nueces	2,105
Texas	1,368	Nueces	2,104
Texas	1,369	Nueces	2,103
Texas	1,370	Nueces	2,102
Texas	1,371	Nueces	2,101
Texas	1,372	Nueces	2,100
Texas	1,373	Nueces	2,099
Texas	1,374	Nueces	2,098
Texas	1,375	Nueces	2,097
Texas	1,376	Nueces	2,096
Texas	1,377	Nueces	2,095
Texas	1,378	Nueces	2,094
Texas	1,379	Nueces	2,093
Texas	1,380	Nueces	2,092
Texas	1,381	Nueces	2,091
Texas	1,382	Nueces	2,090
Texas	1,383	Nueces	2,089
Texas	1,384	Nueces	2,088
Texas	1,385	Nueces	2,087
Texas	1,386	Nueces	2,086
Texas	1,387	Nueces	2,085
Texas	1,388	Nueces	2,084
Texas	1,389	Nueces	2,083
Texas	1,390	Nueces	2,082
Texas	1,391	Nueces	2,081
Texas	1,392	Nueces	2,080
Texas	1,393	Nueces	2,079
Texas	1,394	Nueces	2,078
Texas	1,395	Nueces	2,077
Texas	1,396	Nueces	2,076
Texas	1,397	Nueces	2,075
Texas	1,398	Nueces	2,074
Texas	1,399	Nueces	2,073
Texas	1,400	Nueces	2,072
Texas	1,401	Nueces	2,071
Texas	1,402	Nueces	2,070
Texas	1,403	Nueces	2,069
Texas	1,404	Nueces	2,068
Texas	1,405	Nueces	2,067
Texas	1,406	Nueces	2,066
Texas	1,407	Nueces	2,065
Texas	1,408	Nueces	2,064
Texas	1,409	Nueces	2,063
Texas	1,410	Nueces	2,062
Texas	1,411	Nueces	2,061
Texas	1,412	Nueces	2,060
Texas	1,413	Nueces	2,059
Texas	1,414	Nueces	2,058
Texas	1,415	Nueces	2,057
Texas	1,416	Nueces	2,056
Texas	1,417	Nueces	2,055
Texas	1,418	Nueces	2,054
Texas	1,419	Nueces	2,053
Texas	1,420	Nueces	2,052
Texas	1,421	Nueces	2,051
Texas	1,422	Nueces	2,050
Texas	1,423	Nueces	2,049
Texas	1,424	Nueces	2,048
Texas	1,425	Nueces	2,047
Texas	1,426	Nueces	2,046
Texas	1,427	Nueces	2,045
Texas	1,428	Nueces	2,044
Texas	1,429	Nueces	2,043
Texas	1,430	Nueces	2,042
Texas	1,431	Nueces	2,041
Texas	1,432	Nueces	2,040
Texas	1,433	Nueces	2,039
Texas	1,434	Nueces	2,038
Texas	1,435	Nueces	2,037
Texas	1,436	Nueces	2,036
Texas	1,437	Nueces	2,035
Texas	1,438	Nueces	2,034
Texas	1,439	Nueces	2,033
Texas	1,440	Nueces	2,032
Texas	1,441	Nueces	2,031
Texas	1,442	Nueces	2,030
Texas	1,443	Nueces	2,029
Texas	1,444	Nueces	2,028
Texas	1,445	Nueces	2,027
Texas	1,446	Nueces	2,026
Texas	1,447	Nueces	2,025
Texas	1,448	Nueces	2,024
Texas	1,449	Nueces	2,023
Texas	1,450	Nueces	2,022
Texas	1,451	Nueces	2,021
Texas	1,452	Nueces	2,020
Texas	1,453	Nueces	2,019
Texas	1,454	Nueces	2,018
Texas	1,455	Nueces	2,017
Texas	1,456	Nueces	2,016
Texas	1,457	Nueces	2,015
Texas	1,458	Nueces	2,014
Texas	1,459	Nueces	2,013
Texas	1,460	Nueces	2,012
Texas	1,461	Nueces	2,011
Texas	1,462	Nueces	2,010
Texas	1,463	Nueces	2,009
Texas	1,464	Nueces	2,008
Texas	1,465	Nueces	2,007
Texas	1,466	Nueces	2,006
Texas	1,467	Nueces	2,005
Texas	1,468	Nueces	2,004
Texas	1,469	Nueces	2,003
Texas	1,470	Nueces	2,002
Texas	1,471	Nueces	2,001
Texas	1,472	Nueces	2,000
Texas	1,473	Nueces	1,999
Texas	1,474	Nueces	1,998
Texas	1,475	Nueces	1,997
Texas	1,476	Nueces	1,996
Texas

Washington	1084	Washington	Clark	120,600	16.47
Washington	1139	Washington	King, Pierce	896,000	new site
Washington	1140	Washington	Spokane	143,100	29.87
Washington	510	Washington	Clark	81,140	30.2
Washington	504	Washington	Clark	120,000	NA
Washington	768	Washington	Snohomish	3,700	30.1
Washington	725	Washington	Clark	25,457	NA
Washington	1076	Washington	Chelan	35,550	17.8
Washington	1143	Washington	Pierce	43,000	22.5
Washington	1397	Washington	Pierce	295,850	38.2
Washington	760	Washington	Spokane	120,000	64
Washington	1139	Washington	King, Pierce	896,000	9.8
Washington	1142	Washington	Snohomish	789,000	7.2
Washington	555	Washington	Snohomish	20,000	32.75
Washington	679	Washington	Snohomish	7,125	20
Washington	768	Washington	Snohomish	173,800	9.6
Washington	804	Washington	Clark	16,950	22.4
Washington	499	Washington	Clark	120,000	NA
Washington	1399	Washington	Jefferson	10,000	28.6
Washington	753	Washington	Franklin	73,000	73.43
Washington	759	Washington	Spokane	225,000	54.83
West Virginia	712	West Virginia	Raleigh	25,000	NA
West Virginia	789	West Virginia	Raleigh	88,900	new site
West Virginia	1248	West Virginia	Randolph	13,150	NA
West Virginia	1250	West Virginia	Boone	4,555	NA
West Virginia	1251	West Virginia	Lewis	10,364	new site
West Virginia	1332	West Virginia	Putnam	28,759	NA
West Virginia	387	West Virginia	Monongalia	48,328	NA
West Virginia	459	West Virginia	Kanawha	50,000	NA
West Virginia	463	West Virginia	Marshall	12,000	NA
West Virginia	465	West Virginia	Mercer	48,050	NA
West Virginia	466	West Virginia	Mercer	36,000	NA
West Virginia	687	West Virginia	Harrison	26,498	NA
West Virginia	735	West Virginia	Taylor	6,071	NA
West Virginia	680	West Virginia	Harrison	80,000	NA
West Virginia	206	West Virginia	Mineral	8,168	NA
West Virginia	445	West Virginia	Ohio	50,000	NA
West Virginia	601	West Virginia	Wayne, Cabell	56,000	new site
West Virginia	912	West Virginia	Brooke	6,468	NA
West Virginia	460	West Virginia	Jefferson	17,000	NA
Wisconsin	115	Wisconsin	Waupaca	14,000	72.4
Wisconsin	152	Wisconsin	Columbia	6,900	42.33
Wisconsin	153	Wisconsin	Waukesha	51,000	35.8
Wisconsin	172	Wisconsin	Washington, Dodge	17,320	45.33
Wisconsin	173	Wisconsin	Columbia	3,100	68.33
Wisconsin	297	Wisconsin	Jefferson, Waukesha	22,300	55
Wisconsin	331	Wisconsin	Racine	139,000	34.2
Wisconsin	340	Wisconsin	Taylor	7,600	NA
Wisconsin	389	Wisconsin	Portage	27,000	41.5
Wisconsin	392	Wisconsin	Douglas	28,000	51.6
Wisconsin	128	Wisconsin	Brown	43,000	52.2
Wisconsin	164	Wisconsin	Brown, Kewaunee	189,000	46.8
Wisconsin	165	Wisconsin	Kenosha	122,000	58.2
Wisconsin	209	Wisconsin	La Crosse	85,000	54.6
Wisconsin	243	Wisconsin	Juneau	4,400	53.33
Wisconsin	246	Wisconsin	Oneida	5,000	49.33
Wisconsin	248	Wisconsin	Lincoln	9,700	39
Wisconsin	256	Wisconsin	Ozaukee, Milwaukee	470,007	31.6
Wisconsin	257	Wisconsin	Waukesha, Milwaukee, Racine, Washington, Ozaukee	615,934	30.6
Wisconsin	260	Wisconsin	Green	11,000	50
Wisconsin	302	Wisconsin	Winnebago	78,300	58.2
Wisconsin	321	Wisconsin	Sheboygan	9,150	60
Wisconsin	325	Wisconsin	Columbia	11,000	35
Wisconsin	41	Wisconsin	Outagamie, Winnebago, Calumet	72,810	40.4
Wisconsin	433	Wisconsin	Marathon	42,350	51.8
Wisconsin	447	Wisconsin	Jefferson, Walworth	14,500	NA
Wisconsin	1277	Wisconsin	Dane	360,000	35.6
Wisconsin	1349	Wisconsin	Rock	36,000	56
Wisconsin	473	Wisconsin	Marathon, Wood	19,684	NA
Wisconsin	136	Wisconsin	Chippewa, Eau Claire	73,000	55
Wisconsin	182	Wisconsin	Saint Croix	14,000	65.2
Wisconsin	231	Wisconsin	Dane	345,000	48.75
Wisconsin	232	Wisconsin	Manitowoc	34,500	59.5
Wisconsin	236	Wisconsin	Marinette	11,000	56.8
Wisconsin	239	Wisconsin	Marathon, Wood	19,300	51.4
Wisconsin	313	Wisconsin	Kenosha	3,500	71.33
Wisconsin	318	Wisconsin	Grant	11,000	44
Wisconsin	344	Wisconsin	Saint Croix, Pierce	15,900	68.67
Wisconsin	364	Wisconsin	Sheboygan	75,000	52.4
Wisconsin	391	Wisconsin	Dane	33,000	40.8
Wisconsin	420	Wisconsin	Vernon	4,400	74.8
Wisconsin	431	Wisconsin	Waukesha	72,000	NA
Wisconsin	44	Wisconsin	Ashland	8,200	45.67
Wisconsin	60	Wisconsin	Jackson	5,000	58.8
Wisconsin	696	Wisconsin	Jefferson, Dodge	23,660	48.2

Terms to Know

Virus levels: SARS-CoV-2 viral RNA concentrations in wastewater. RNA is the virus's genetic material.

Normalization: A statistical method to account for differences in variables such as wastewater flow rate and number of people served by a sewer system. In other words, normalization allows comparisons between sewer systems that are very different in things like changing population sizes or weather events that can impact wastewater. Normalized data can be compared over time and between different sites. Metrics comparing sites are based on SARS-CoV-2 viral RNA concentrations in wastewater that have been normalized. See the NWSS Data Analytics page for more information.

Sewershed: The geographic area contributing wastewater to a sampling location. Sewersheds may cross county or state boundaries. Sewersheds are referred to as "sites" on the map.

About the Data

Data will update Monday through Friday as soon as they are reviewed and verified, oftentimes before 8 pm ET. Updates will occur the following day when reporting coincides with a federal holiday. Note: Daily updates (Mon-Fri) might be delayed due to delays in reporting.

Percent of sites in each percent change category over time

- At any point in time, this chart shows what percent of sites reported decreased levels of virus in the previous 15 days, what percent reported increased levels, and what percent stayed the same.
- Viewed over time, the chart shows how this distribution changed.
- For each date, the number of sites in each percent change category is counted and divided by the total number of sampling sites with current data. This information is presented on a stacked area chart to show how the number of percent of sites in each percent change category since January 1, 2021.
- To simplify the chart, the "100% or more" and "75% to 100%" categories are combined into "≥ 75% to 9%," and the "100% to 999%" and "1000% or more" categories were combined into "100% or more." Because the number of sampling sites has changed since January 1, 2021, the proportion of sites with current data is shown as a line chart for ease of viewing.
- Not all sites have data since January 1, 2021, and not all sites have data for all dates shown on the chart.
- The percent of sites in each percent change category for each date may not add up to 100% due to rounding.

Current virus levels in wastewater by site

- This metric shows whether SARS-CoV-2 levels at a site are currently higher or lower than past levels at the same site. It is calculated by first ordering the SARS-CoV-2 levels in wastewater for all samples collected since December 1, 2021 from the lowest to highest level. The ordered levels are then grouped into five categories (0-19%, 20-39%, 40-59%, 60-79%, and 80-100%) based on how low or high their levels are compared to previous levels. The levels in the 0-19% group represent the lowest levels seen at that sampling site and those in the 80-100% group represent the highest.
- Using December 1, 2021 as a starting date for all sites makes data more comparable between sites. Sites that began reporting wastewater data after December 1, 2021 are not comparable to sites that have been reporting data since December 1, 2021 or earlier because the data history for these new sites is not long enough to reflect the same surges as the other sites.
- The "New site" category means a site just started collecting wastewater samples and has reported fewer than 10 samples, which is not enough samples to meaningfully compare levels at the site over time.

Percent change in the last 15 days

- This metric shows how much normalized SARS-CoV-2 viral levels in wastewater at each site increased or decreased during the current 15-day time period. This metric does not show overall levels of SARS-CoV-2 in wastewater. Percent change compares data to current data to show changing trends. A large percent increase does not necessarily mean SARS-CoV-2 viral levels in wastewater are high. For instance, a change from 1 unit to 2 units would be a percent change of 100%. A change from 500,000 units to 1 million units is also a percent change of 100%.
- Percent change is calculated as the modeled change over 15 days, based on linear regression of log-transformed SARS-CoV-2 levels. A site must report at least 2 samples over the 15-day period to calculate percent change. Sites with "No recent data" (colored gray on the map) reported fewer than 2 samples for the current 15-day period.

Percent of wastewater samples with detectable virus in the last 15 days

- This metric shows the percent of wastewater samples at each site that were positive for SARS-CoV-2 RNA over the last 15 days. It does not show overall levels of SARS-CoV-2 in wastewater.
- This metric is calculated by dividing the number of samples in which SARS-CoV-2 was detected at a site by the total number of samples collected for the site during the 15-day period and multiplying by 100.
- Sites with at least one sample and no SARS-CoV-2 viral detections over the past 15 days are listed as "Non-detects" and are shown on the map as hollow circles with a black outline.
- Sites with no samples for the current 15-day period are listed as "No recent data" and colored gray on the map.

SARS-CoV-2 concentrations in wastewater over time

- When a site is selected, a sparkline (small, simple line graph) of SARS-CoV-2 concentration line is shown for the last 4 months, as data are available. The smoothed SARS-CoV-2 concentration line shows how SARS-CoV-2 concentrations in wastewater at a sampling site have changed over the last 4 weeks.
- At least 4 samples are required to produce the smoothed SARS-CoV-2 concentration line. If a major change in laboratory methods is reported, only data since the new laboratory method was reported are shown. Sites labeled as "New sites" in the current virus levels in wastewater metric should be viewed with caution since they have only a few samples to generate their trends lines.

Sewershed locations

- Data are plotted in the ZIP code of the sampling location, so points on the map do not correspond exactly to sampling locations.
- All counties represented by a sampling location are highlighted when the sampling location point is selected.
- The District of Columbia (DC) and New York City (NYC) are treated as states separately on the map to denote sampling locations within DC and NYC. In the "State or Territory" dropdown menu, select "District of Columbia" or "New York City" to zoom to points represented within that jurisdiction. Data from other DC sampling locations may receive wastewater from parts of counties in Virginia or Maryland and some NYC sampling locations may receive wastewater from parts of counties in surrounding states.

Data subject to change

- Wastewater disease surveillance data presented are the best available data and are subject to change. These data may be incomplete for the most recent 15-day period due to processing and reporting delays. All data are provisional.

May 2022 Coverage Limitations

- Beginning April 15, 2022, approximately 150 wastewater sites in 29 states began transitioning to a new wastewater testing provider. During this transition, these sites will not have recent data displayed and will be colored gray on the map. It will take several weeks for enough data to be collected with the new laboratory method to populate the charts. Updates for these sites are expected to be available again between mid-May and June 2022.

Data not shown

- Data from sewersheds that serve fewer than 3,000 people.
- Data from sewersheds where population estimates are missing.
- Data from facility or institution-specific sampling locations.
- Wastewater treatment plant and the name of a sampling location may sites are made anonymous using a consistent, arbitrary number.
- Data from sewersheds where sampling sites don't systems; the exact percent varies by location. These systems do not connect to wastewater treatment plants where sampling often occurs. Therefore, households on septic systems are not represented in the data.
- Data from sewersheds currently being monitored but not submitted by health departments to CDC. Certain communities collect wastewater samples but do not submit their data to CDC.
- Data from sewersheds may not be presented if there are data quality issues.

Data source

- Data displayed are derived from two sources:
- Data are submitted to CDC by state, tribal, local, and territorial (STLT) health departments participating in the National Wastewater Surveillance System. Participation is voluntary, so not all jurisdictions are reporting to CDC.
- Data are reported through a CDC-supported system for commercial testing, which is intended to supplement the geographic coverage of the STLT wastewater surveillance programs.

Laboratory methods

- SARS-CoV-2 concentrations in wastewater are measured using reverse transcription quantitative polymerase chain reaction (RT-qPCR) or reverse transcription digital polymerase chain reaction (RT-dPCR). Laboratory processing and quantification methods may vary between sampling sites or, less commonly, within a sampling site over time. Since SARS-CoV-2 concentration estimates may differ across these lab methods, concentration values should not be compared across laboratory methods. Instead, compare changes in SARS-CoV-2 concentrations and current levels compared to past levels at the same site are provided. These metrics are more comparable across lab methods. When testing a sample, SARS-CoV-2 is considered detected when any PCR replicates for the sample were positive. Positive is defined for RT-qPCR as a Ct value less than 40 and for RT-ddPCR as 3 or more positive droplets/partitions. Learn more on the Wastewater Surveillance Testing Methods page.

Data download

- These data can be downloaded from data.cdc.gov: NWSS Public SARS-CoV-2 Wastewater Metric Data and NWSS Public SARS-CoV-2 Concentration in Wastewater Data
- The data dictionary for these data (Public Analytics Data Dictionary) is also available.
- To request detailed wastewater data, including a full-time history of raw concentrations, email nwss@cdc.gov with the subject line "NWSS public data requests." You will be required to sign a data use agreement.

Wondering what all the data mean?

CDC's COVID Data Tracker Weekly Review helps you stay up to date on interpretation of key data and trends.

How does wastewater surveillance work?

Wastewater data can show changes in disease trends 4 to 6 days before those changes in trends are seen in clinical cases, and a single wastewater sample captures the infection status of thousands to millions of individuals. Learn more: National Wastewater Surveillance System (NWSS).

If it looks like virus levels in wastewater are rising in my community, what should I do?

Check your community's COVID-19 Community Level and follow the recommended prevention steps.
Public health officials watch for sustained increasing levels of the virus in wastewater and use these data to inform public health decisions. Share local health officials' data in a variety of ways and put this information together to understand the local COVID-19 situation and decide how to best respond.

How do I build NWSS in my community?

Wastewater-based disease surveillance is an exciting new tool to help communities monitor their health. Find information on what to consider when implementing a wastewater-based disease surveillance system.

Is there wastewater sampling in my community?

New sampling sites are being added over time as health departments begin sampling and reporting wastewater surveillance data. Some communities not represented on this dashboard may be conducting wastewater surveillance. If you would like to know if wastewater surveillance is happening in your community, contact your health department or local government. At this time, CDC does not release the names of the wastewater treatment plants or zip codes where sampling sites are located. However, information on the counties served by the wastewater sampling sites is provided.

COVID Data Tracker Weekly Review

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