

Jul 29, 20 1:02

covid19-SummaryReport_2020-07-29.txt

Page 1/5

```
#####
#### TS-CONFIRMED Cases -- Data dated: 2020-07-28 :: 2020-07-29 01:02:20
#####
Number of Countries/Regions reported: 188
Number of Cities/Provinces reported: 82
Unique number of distinct geographical locations combined: 266
```

Worldwide ts-confirmed Totals: 16681996

	Country.Region	Province.State	Totals	GlobalPerc	LastDayChange	t-2	t-3	t-7	t-14	t-30
1	US		4351997	26.09	61660	56414	54953	70910	67328	40804
2	Brazil		2483191	14.89	40816	23284	24578	67860	39924	24052
3	India		1483156	8.89	3083	44457	49981	45720	32676	18522
4	Russia		822060	4.93	5380	5607	5741	5850	6410	6683
5	South Africa		459761	2.76	7232	7096	11233	13150	12757	6130
6	Mexico		402697	2.41	7208	4973	5480	6019	6149	3805
7	Peru		389717	2.34	0	13756	0	4463	3884	2946
8	Chile		349800	2.10	1877	2133	2198	1719	1712	4017
9	United Kingdom		300658	1.80	547	685	745	560	538	604
10	Iran		296273	1.78	2667	2434	2333	2586	2388	2536
11	Spain		280610	1.68	1828	6361	0	1357	875	200
12	Pakistan		275225	1.65	936	1176	0	1763	2145	2825
13	Saudi Arabia		270831	1.62	1897	1993	1968	2331	2671	3943
14	Colombia		267385	1.60	10284	16306	0	7390	5271	3274
15	Italy		246488	1.48	202	168	254	280	162	126

Global Perc. Average: 0.38 (sd: 1.97)

Global Perc. Average in top 15 : 5.07 (sd: 6.88)

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#####
#### TS-DEATHS Cases -- Data dated: 2020-07-28 :: 2020-07-29 01:02:20
#####
Number of Countries/Regions reported: 188
Number of Cities/Provinces reported: 82
Unique number of distinct geographical locations combined: 266
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Worldwide ts-deaths Totals: 659374

	Country.Region	Province.State	Totals	Perc	LastDayChange	t-2	t-3	t-7	t-14	t-30
1	US		149256	3.43	1244	1077	470	1195	949	350
2	Brazil		88539	3.57	921	614	555	1284	1233	692
3	United Kingdom		45878	15.26	119	7	14	79	85	25
4	Mexico		44876	11.14	854	342	1035	790	579	473
5	Italy		35123	14.25	11	5	5	9	13	6
6	India		33425	2.25	17	637	711	1129	605	418
7	France		30109	14.38	13	15	0	7	89	32
8	Spain		28436	10.13	2	2	0	2	4	3
9	Peru		18418	4.73	0	575	0	188	188	187
10	Iran		16147	5.45	235	212	216	219	199	162
11	Russia		13483	1.64	149	85	77	165	156	92
12	Belgium		9833	14.75	11	1	0	3	1	0
13	Chile		9240	2.64	53	75	92	45	117	66
14	Germany		9131	4.40	6	1	0	3	2	8

Jul 29, 20 1:02

covid19-SummaryReport_2020-07-29.txt

Page 2/5

15	Colombia	9074	3.39	297	508	0	207	189	96
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#####
#### TS-RECOVERED Cases -- Data dated: 2020-07-28 :: 2020-07-29 01:02:21
#####
Number of Countries/Regions reported: 188
Number of Cities/Provinces reported: 68
Unique number of distinct geographical locations combined: 253
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Worldwide ts-recovered Totals: 9711187

	Country.Region	Province.State	Totals	LastDayChange	t-2	t-3	t-7	t-14	t-30
1	Brazil		1868749	22108	33728	27554	36636	26673	11793
2	US		1355363	29559	27941	18449	28831	26784	20039
3	India		952743	1577	33598	31995	29557	20736	13099
4	Russia		611109	8860	3077	3108	9652	10417	4342
5	Chile		322332	2378	1859	1926	2425	2865	3944
6	Mexico		308142	4332	8588	6403	2740	6538	5501
7	South Africa		287313	12388	9848	2023	21031	14414	1689
8	Peru		276452	3905	4697	8427	3500	3139	3161
9	Iran		257019	1875	1931	1894	2489	2291	2870
10	Pakistan		242436	1410	3592	0	2707	5927	3096
11	Saudi Arabia		225624	2688	2613	2541	3139	5488	2363
12	Turkey		211561	1092	982	1010	1203	1013	1214
13	Italy		198756	163	147	126	197	575	305
14	Germany		190711	397	259	136	407	900	113
15	Spain		150376	0	0	0	0	0	0

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#####
#### AGGREGATED Data -- ORDERED BY CONFIRMED Cases -- Data dated: 2020-07-29 :: 2020-07-29 01:02:21
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Number of Countries/Regions reported: 188
Number of Cities/Provinces reported: 563
Unique number of distinct geographical locations combined: 3932
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	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active
1	Sao Paulo, Brazil	487654	2.92	21676	4.44	337434	69.20	128544	26.36
2	South Africa	459761	2.76	7257	1.58	287313	62.49	165191	35.93
3	Maharashtra, India	383723	2.30	13883	3.62	221944	57.84	147896	38.54
4	Iran	296273	1.78	16147	5.45	257019	86.75	23107	7.80
5	Saudi Arabia	270831	1.62	2789	1.03	225624	83.31	42418	15.66
6	England, United Kingdom	259022	1.55	41282	15.94	0	0.00	217740	84.06
7	Metropolitana, Chile	253688	1.52	7444	2.93	238880	94.16	7364	2.90
8	Moscow, Russia	239315	1.43	4421	1.85	175812	73.46	59082	24.69
9	Bangladesh	229185	1.37	3000	1.31	127414	55.59	98771	43.10
10	Turkey	227982	1.37	5645	2.48	211561	92.80	10776	4.73
11	New York City, New York, US	224249	1.34	23507	10.48	0	0.00	200742	89.52
12	Tamil Nadu, India	220716	1.32	3571	1.62	162249	73.51	54896	24.87

Jul 29, 20 1:02

covid19-SummaryReport_2020-07-29.txt

Page 3/5

13	France	209342	1.25	30109	14.38	71667	34.23	107566	51.38
14	Lima, Peru	206714	1.24	8699	4.21	0	0.00	198015	95.79
15	Los Angeles, California, US	178642	1.07	4426	2.48	0	0.00	174216	97.52

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AGGREGATED Data -- ORDERED BY DEATHS Cases -- Data dated: 2020-07-29 :: 2020-07-29 01:02:21

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Number of Countries/Regions reported: 188
 Number of Cities/Provinces reported: 563
 Unique number of distinct geographical locations combined: 3932

	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active
1	England, United Kingdom	259022	1.55	41282	15.94	0	0.00	217740	84.06
2	France	209342	1.25	30109	14.38	71667	34.23	107566	51.38
3	New York City, New York, US	224249	1.34	23507	10.48	0	0.00	200742	89.52
4	Sao Paulo, Brazil	487654	2.92	21676	4.44	337434	69.20	128544	26.36
5	Lombardia, Italy	96008	0.58	16802	17.50	72528	75.54	6678	6.96
6	Iran	296273	1.78	16147	5.45	257019	86.75	23107	7.80
7	Maharashtra, India	383723	2.30	13883	3.62	221944	57.84	147896	38.54
8	Rio de Janeiro, Brazil	159639	0.96	13033	8.16	136941	85.78	9665	6.05
9	Belgium	66662	0.40	9833	14.75	17476	26.22	39353	59.03
10	Ciudad de Mexico, Mexico	70612	0.42	8789	12.45	55117	78.06	6706	9.50
11	Lima, Peru	206714	1.24	8699	4.21	0	0.00	198015	95.79
12	Madrid, Spain	74886	0.45	8451	11.29	40736	54.40	25699	34.32
13	Ceara, Brazil	165550	0.99	7613	4.60	138765	83.82	19172	11.58
14	Metropolitana, Chile	253688	1.52	7444	2.93	238880	94.16	7364	2.90
15	South Africa	459761	2.76	7257	1.58	287313	62.49	165191	35.93

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AGGREGATED Data -- ORDERED BY RECOVERED Cases -- Data dated: 2020-07-29 :: 2020-07-29 01:02:21

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Number of Countries/Regions reported: 188
 Number of Cities/Provinces reported: 563
 Unique number of distinct geographical locations combined: 3932

	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active
1	Recovered, US	0	0.00	0	NaN	1355363	Inf	-2128252	-Inf
2	Sao Paulo, Brazil	487654	2.92	21676	4.44	337434	69.20	128544	26.36
3	South Africa	459761	2.76	7257	1.58	287313	62.49	165191	35.93
4	Unknown, Peru	0	0.00	0	NaN	276452	Inf	-276452	-Inf
5	Iran	296273	1.78	16147	5.45	257019	86.75	23107	7.80
6	Metropolitana, Chile	253688	1.52	7444	2.93	238880	94.16	7364	2.90
7	Saudi Arabia	270831	1.62	2789	1.03	225624	83.31	42418	15.66
8	Maharashtra, India	383723	2.30	13883	3.62	221944	57.84	147896	38.54
9	Turkey	227982	1.37	5645	2.48	211561	92.80	10776	4.73
10	Moscow, Russia	239315	1.43	4421	1.85	175812	73.46	59082	24.69
11	Tamil Nadu, India	220716	1.32	3571	1.62	162249	73.51	54896	24.87
12	Ceara, Brazil	165550	0.99	7613	4.60	138765	83.82	19172	11.58
13	Rio de Janeiro, Brazil	159639	0.96	13033	8.16	136941	85.78	9665	6.05
14	Bahia, Brazil	153313	0.92	3270	2.13	136511	89.04	13532	8.83

Jul 29, 20 1:02

covid19-SummaryReport_2020-07-29.txt

Page 4/5

15	Para, Brazil	150185	0.90	5716	3.81	136109	90.63	8360	5.57
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#####									
#### AGGREGATED Data -- ORDERED BY ACTIVE Cases -- Data dated: 2020-07-29 :: 2020-07-29 01:02:21									
#####									
Number of Countries/Regions reported: 188									
Number of Cities/Provinces reported: 563									
Unique number of distinct geographical locations combined: 3932									

	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active
1	England, United Kingdom	259022	1.55	41282	15.94	0	0.00	217740	84.06
2	New York City, New York, US	224249	1.34	23507	10.48	0	0.00	200742	89.52
3	Lima, Peru	206714	1.24	8699	4.21	0	0.00	198015	95.79
4	Los Angeles, California, US	178642	1.07	4426	2.48	0	0.00	174216	97.52
5	South Africa	459761	2.76	7257	1.58	287313	62.49	165191	35.93
6	Maharashtra, India	383723	2.30	13883	3.62	221944	57.84	147896	38.54
7	Sao Paulo, Brazil	487654	2.92	21676	4.44	337434	69.20	128544	26.36
8	Maricopa, Arizona, US	111446	0.67	1882	1.69	0	0.00	109564	98.31
9	Miami-Dade, Florida, US	110352	0.66	1425	1.29	0	0.00	108927	98.71
10	France	209342	1.25	30109	14.38	71667	34.23	107566	51.38
11	Bangladesh	229185	1.37	3000	1.31	127414	55.59	98771	43.10
12	Cook, Illinois, US	103441	0.62	4857	4.70	0	0.00	98584	95.30
13	Argentina	173355	1.04	3179	1.83	75083	43.31	95093	54.85
14	Harris, Texas, US	67655	0.41	671	0.99	0	0.00	66984	99.01
15	Karnataka, India	101465	0.61	1953	1.92	37685	37.14	61827	60.93
=====									
	Confirmed	Deaths	Recovered	Active					
Totals	16682030	659374	9711187	NA					
Average	4242.63	167.69	2469.78	NA					
Standard Deviation	21500.73	1212.49	26315.11	NA					
* Statistical estimators computed considering 3932 independent reported entries									

***** OVERALL SUMMARY*****									

****	Time Series Worldwide TOTS ****								
	ts-confirmed	ts-deaths	ts-recovered						
	16681996	659374	9711187						
		3.95%	58.21%						
****	Time Series Worldwide AVGS ****								
	ts-confirmed	ts-deaths	ts-recovered						
	62714.27	2478.85	38384.14						
		3.95%	61.2%						
****	Time Series Worldwide SDS ****								
	ts-confirmed	ts-deaths	ts-recovered						
	327981.23	12010.02	167120.54						
		3.66%	50.95%						

Jul 29, 20 1:02

covid19–SummaryReport_2020–07–29.txt

Page 5/5

* Statistical estimators computed considering 266/266/253 independent reported entries per case-type
