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```
#####
#### TS-CONFIRMED Cases -- Data dated: 2020-07-30 :: 2020-07-31 13:02:19
#####
Number of Countries/Regions reported: 188
Number of Cities/Provinces reported: 82
Unique number of distinct geographical locations combined: 266
```

Worldwide ts-confirmed Totals: 17295952

	Country.Region	Province.State	Totals	GlobalPerc	LastDayChange	t-2	t-3	t-7	t-14	t-30
1	US		4495015	25.99	68033	70776	65869	73715	71558	51174
2	Brazil		2610102	15.09	57837	69074	40816	55891	34177	46712
3	India		1634746	9.45	52783	50294	51596	48916	35252	19160
4	Russia		832993	4.82	5484	5449	5380	5779	6389	6550
5	South Africa		482169	2.79	11046	11362	7232	13944	13373	8124
6	Mexico		416179	2.41	7730	5752	7208	7573	7257	5681
7	Peru		400683	2.32	0	5678	5288	4865	3951	3264
8	Chile		353536	2.04	1961	1775	1877	2545	2741	2650
9	United Kingdom		302301	1.75	846	797	547	768	687	60
10	Iran		301530	1.74	2621	2636	2667	2489	2379	2549
11	Spain		285430	1.65	2789	2031	1828	2255	1400	388
12	Pakistan		277402	1.60	1114	1063	936	1487	4003	4339
13	Colombia		276055	1.60	0	8670	10284	7168	8934	4163
14	Saudi Arabia		274219	1.59	1629	1759	1897	2378	2613	3402
15	Italy		247158	1.43	382	288	202	252	231	182

Global Perc. Average: 0.38 (sd: 1.97)

Global Perc. Average in top 15 : 5.08 (sd: 6.92)

```
#####
#### TS-DEATHS Cases -- Data dated: 2020-07-30 :: 2020-07-31 13:02:20
#####
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: 673171

	Country.Region	Province.State	Totals	Perc	LastDayChange	t-2	t-3	t-7	t-14	t-30
1	US		152055	3.38	1233	1448	1362	1130	908	673
2	Brazil		91263	3.50	1129	1595	921	1156	1163	1038
3	Mexico		46000	11.05	639	485	854	737	736	741
4	United Kingdom		45999	15.22	38	83	119	123	114	176
5	India		35718	2.18	763	762	785	757	671	434
6	Italy		35132	14.21	3	6	11	5	11	21
7	France		30123	14.31	15	-1	13	9	14	17
8	Spain		28443	9.96	2	5	2	3	4	9
9	Peru		18816	4.70	0	204	194	189	184	183
10	Iran		16569	5.49	226	196	235	215	183	141
11	Russia		13778	1.65	128	167	149	153	186	215
12	Belgium		9840	14.47	4	3	11	5	5	7
13	Colombia		9808	3.55	354	380	297	287	259	136
14	Chile		9377	2.65	99	38	53	76	1057	65

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15 Germany 9144 4.36 9 4 6 10 1 5

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#####
#### TS-RECOVERED Cases -- Data dated: 2020-07-30 :: 2020-07-31 13:02:20
#####
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: 10132579

	Country.Region	Province.State	Totals	LastDayChange	t-2	t-3	t-7	t-14	t-30
1	Brazil		1956807	34005	54053	22108	72901	30989	29324
2	US		1414155	24730	34062	29559	28355	16559	9363
3	India		1055348	35613	31706	36863	32223	17994	11948
4	Russia		628482	9278	8095	8860	8433	7666	10262
5	Chile		326628	2071	2225	2378	2265	1513	4214
6	Mexico		320100	5562	6396	4332	7928	6521	3988
7	South Africa		309601	11634	10654	12388	9511	12592	2482
8	Peru		283915	3871	3592	3905	3478	2988	3710
9	Iran		261200	2084	2097	1875	1982	2265	2729
10	Pakistan		246131	1248	2447	1410	16813	19772	3892
11	Saudi Arabia		231198	2629	2945	2688	2241	3539	1994
12	Turkey		213539	982	996	1092	1009	1014	2311
13	Italy		199796	765	275	163	350	237	469
14	Germany		191551	272	568	397	556	500	1000
15	Spain		150376	0	0	0	0	0	0

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#####
#### AGGREGATED Data -- ORDERED BY CONFIRMED Cases -- Data dated: 2020-07-31 :: 2020-07-31 13:02:20
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Number of Countries/Regions reported: 188
Number of Cities/Provinces reported: 563
Unique number of distinct geographical locations combined: 3935

	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active
1	Sao Paulo, Brazil	529006	3.06	22710	4.29	349287	66.03	157009	29.68
2	South Africa	482169	2.79	7812	1.62	309601	64.21	164756	34.17
3	Maharashtra, India	411798	2.38	14729	3.58	248615	60.37	148454	36.05
4	Iran	301530	1.74	16569	5.49	261200	86.62	23761	7.88
5	Saudi Arabia	274219	1.59	2842	1.04	231198	84.31	40179	14.65
6	England, United Kingdom	260534	1.51	41398	15.89	0	0.00	219136	84.11
7	Metropolitana, Chile	255020	1.47	7515	2.95	240722	94.39	6783	2.66
8	Moscow, Russia	240664	1.39	4446	1.85	177908	73.92	58310	24.23
9	Tamil Nadu, India	239978	1.39	3838	1.60	178178	74.25	57962	24.15
10	Bangladesh	234889	1.36	3083	1.31	132960	56.61	98846	42.08
11	Turkey	229891	1.33	5674	2.47	213539	92.89	10678	4.64
12	New York City, New York, US	224863	1.30	23525	10.46	0	0.00	201338	89.54

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13	Lima, Peru	211164	1.22	8892	4.21	0	0.00	202272	95.79
14	France	210465	1.22	30123	14.31	71643	34.04	108699	51.65
15	Los Angeles, California, US	186036	1.08	4559	2.45	0	0.00	181477	97.55

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AGGREGATED Data -- ORDERED BY DEATHS Cases -- Data dated: 2020-07-31 :: 2020-07-31 13:02:20

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Number of Countries/Regions reported: 188
 Number of Cities/Provinces reported: 563
 Unique number of distinct geographical locations combined: 3935

	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active
1	England, United Kingdom	260534	1.51	41398	15.89	0	0.00	219136	84.11
2	France	210465	1.22	30123	14.31	71643	34.04	108699	51.65
3	New York City, New York, US	224863	1.30	23525	10.46	0	0.00	201338	89.54
4	Sao Paulo, Brazil	529006	3.06	22710	4.29	349287	66.03	157009	29.68
5	Lombardia, Italy	96142	0.56	16802	17.48	73305	76.25	6035	6.28
6	Iran	301530	1.74	16569	5.49	261200	86.62	23761	7.88
7	Maharashtra, India	411798	2.38	14729	3.58	248615	60.37	148454	36.05
8	Rio de Janeiro, Brazil	163642	0.95	13348	8.16	139967	85.53	10327	6.31
9	Belgium	68006	0.39	9840	14.47	17513	25.75	40653	59.78
10	Lima, Peru	211164	1.22	8892	4.21	0	0.00	202272	95.79
11	Ciudad de Mexico, Mexico	72343	0.42	8870	12.26	56700	78.38	6773	9.36
12	Madrid, Spain	75552	0.44	8452	11.19	40736	53.92	26364	34.90
13	South Africa	482169	2.79	7812	1.62	309601	64.21	164756	34.17
14	Ceara, Brazil	171468	0.99	7661	4.47	143959	83.96	19848	11.58
15	Metropolitana, Chile	255020	1.47	7515	2.95	240722	94.39	6783	2.66

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AGGREGATED Data -- ORDERED BY RECOVERED Cases -- Data dated: 2020-07-31 :: 2020-07-31 13:02:20

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Number of Countries/Regions reported: 188
 Number of Cities/Provinces reported: 563
 Unique number of distinct geographical locations combined: 3935

	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active
1	Recovered, US	0	0.00	0	NaN	1414155	Inf	-2205272	-Inf
2	Sao Paulo, Brazil	529006	3.06	22710	4.29	349287	66.03	157009	29.68
3	South Africa	482169	2.79	7812	1.62	309601	64.21	164756	34.17
4	Unknown, Peru	0	0.00	0	NaN	283915	Inf	-283915	-Inf
5	Iran	301530	1.74	16569	5.49	261200	86.62	23761	7.88
6	Maharashtra, India	411798	2.38	14729	3.58	248615	60.37	148454	36.05
7	Metropolitana, Chile	255020	1.47	7515	2.95	240722	94.39	6783	2.66
8	Saudi Arabia	274219	1.59	2842	1.04	231198	84.31	40179	14.65
9	Turkey	229891	1.33	5674	2.47	213539	92.89	10678	4.64
10	Tamil Nadu, India	239978	1.39	3838	1.60	178178	74.25	57962	24.15
11	Moscow, Russia	240664	1.39	4446	1.85	177908	73.92	58310	24.23
12	Bahia, Brazil	161630	0.93	3391	2.10	143966	89.07	14273	8.83
13	Ceara, Brazil	171468	0.99	7661	4.47	143959	83.96	19848	11.58
14	Rio de Janeiro, Brazil	163642	0.95	13348	8.16	139967	85.53	10327	6.31

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15	Para, Brazil	153350	0.89	5699	3.72	139599	91.03	8052	5.25						
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#####															
#### AGGREGATED Data -- ORDERED BY ACTIVE Cases -- Data dated: 2020-07-31 :: 2020-07-31 13:02:20															
#####															
Number of Countries/Regions reported: 188															
Number of Cities/Provinces reported: 563															
Unique number of distinct geographical locations combined: 3935															

	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active						
1	England, United Kingdom	260534	1.51	41398	15.89	0	0.00	219136	84.11						
2	Lima, Peru	211164	1.22	8892	4.21	0	0.00	202272	95.79						
3	New York City, New York, US	224863	1.30	23525	10.46	0	0.00	201338	89.54						
4	Los Angeles, California, US	186036	1.08	4559	2.45	0	0.00	181477	97.55						
5	South Africa	482169	2.79	7812	1.62	309601	64.21	164756	34.17						
6	Sao Paulo, Brazil	529006	3.06	22710	4.29	349287	66.03	157009	29.68						
7	Maharashtra, India	411798	2.38	14729	3.58	248615	60.37	148454	36.05						
8	Miami-Dade, Florida, US	115916	0.67	1515	1.31	0	0.00	114401	98.69						
9	Maricopa, Arizona, US	114852	0.66	2011	1.75	0	0.00	112841	98.25						
10	France	210465	1.22	30123	14.31	71643	34.04	108699	51.65						
11	Argentina	185373	1.07	3441	1.86	80596	43.48	101336	54.67						
12	Cook, Illinois, US	104687	0.61	4872	4.65	0	0.00	99815	95.35						
13	Bangladesh	234889	1.36	3083	1.31	132960	56.61	98846	42.08						
14	Harris, Texas, US	70847	0.41	707	1.00	0	0.00	70140	99.00						
15	Karnataka, India	118632	0.69	2230	1.88	46694	39.36	69708	58.76						
=====															
	Confirmed	Deaths	Recovered	Active											
Totals	17295952	673171	10132579	NA											
Average	4395.41	171.07	2574.99	NA											
Standard Deviation	22408.65	1227.22	27426.62	NA											
* Statistical estimators computed considering 3935 independent reported entries															

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

****	Time Series Worldwide TOTS ****														
	ts-confirmed	ts-deaths	ts-recovered												
	17295952	673171	10132579												
	3.89%	58.58%													
****	Time Series Worldwide AVGS ****														
	ts-confirmed	ts-deaths	ts-recovered												
	65022.38	2530.72	40049.72												
	3.89%	61.59%													
****	Time Series Worldwide SDS ****														
	ts-confirmed	ts-deaths	ts-recovered												
	341509.42	12260.48	175697.15												
	3.59%	51.45%													

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