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```
#####
#### TS-CONFIRMED Cases -- Data dated: 2020-07-21 :: 2020-07-22 11:08:47
#####
Number of Countries/Regions reported: 188
Number of Cities/Provinces reported: 82
Unique number of distinct geographical locations combined: 266
```

Worldwide ts-confirmed Totals: 14947428

	Country.Region	Province.State	Totals	GlobalPerc	LastDayChange	t-2	t-3	t-7	t-14	t-30
1	US		3899211	26.09	64534	61417	61847	67328	58601	30536
2	Brazil		2159654	14.45	41008	20257	23529	39924	44571	23129
3	India		1193078	7.98	37740	37132	40425	32676	24879	14933
4	Russia		782040	5.23	5828	5901	6096	6410	6534	7586
5	South Africa		381798	2.55	8170	9300	13449	12757	8810	4288
6	Peru		362087	2.42	8497	0	4090	3884	3633	2511
7	Mexico		356255	2.38	6859	5172	5311	6149	6995	4577
8	Chile		334683	2.24	3753	0	2084	1712	2064	4608
9	United Kingdom		295817	1.98	445	580	726	538	630	892
10	Iran		278827	1.87	2625	2414	2182	2388	2691	2573
11	Pakistan		267428	1.79	1332	1013	1587	2145	3359	3946
12	Spain		266194	1.78	1358	4581	0	875	383	232
13	Saudi Arabia		255825	1.71	2476	2429	2504	2671	3036	3393
14	Italy		244752	1.64	128	190	218	162	193	221
15	Turkey		221500	1.48	928	931	924	947	1041	1212

Global Perc. Average: 0.38 (sd: 1.94)

Global Perc. Average in top 15 : 5.04 (sd: 6.78)

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#####
#### TS-DEATHS Cases -- Data dated: 2020-07-21 :: 2020-07-22 11:08:48
#####
Number of Countries/Regions reported: 188
Number of Cities/Provinces reported: 82
Unique number of distinct geographical locations combined: 266
```

Worldwide ts-deaths Totals: 616443

	Country.Region	Province.State	Totals	Perc	LastDayChange	t-2	t-3	t-7	t-14	t-30
1	US		141995	3.64	1082	379	415	949	820	406
2	Brazil		81487	3.77	1367	632	716	1233	1223	680
3	United Kingdom		45422	15.35	110	12	27	85	126	15
4	Mexico		40400	11.34	915	301	296	579	782	759
5	Italy		35073	14.33	15	13	3	13	15	23
6	France		30056	14.76	-13	23	0	89	-1	21
7	India		28732	2.41	650	585	681	605	487	312
8	Spain		28424	10.68	2	2	0	4	4	1
9	Iran		14634	5.25	229	217	209	199	153	119
10	Peru		13579	3.75	392	0	189	188	181	178
11	Russia		12561	1.61	153	85	95	156	172	95
12	Belgium		9805	15.26	0	5	0	1	2	0
13	Germany		9099	4.47	5	2	1	2	14	4
14	Chile		8677	2.59	174	0	58	117	139	23

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15 Colombia 7166 3.40 237 193 220 189 168 73

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#####
#### TS-RECOVERED Cases -- Data dated: 2020-07-21 :: 2020-07-22 11:08:48
#####
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: 8466990

	Country.Region	Province.State	Totals	LastDayChange	t-2	t-3	t-7	t-14	t-30
1	Brazil		1555339	41039	55228	11664	26673	32832	13618
2	US		1182018	21931	28966	8401	26784	16986	18065
3	India		753050	28472	24491	22664	20736	19547	10994
4	Russia		561397	8753	3257	3478	10417	8615	4705
5	Chile		306816	5022	0	2345	2865	3490	4828
6	Mexico		267407	4316	8150	-16298	6538	4879	4888
7	Peru		248746	3665	3126	3869	3139	3810	3353
8	Iran		242351	2264	2299	2488	2291	2463	2836
9	Pakistan		210468	2438	2101	1653	5927	4346	2013
10	South Africa		208144	13279	3806	8829	14414	4543	1836
11	Saudi Arabia		207259	4000	5524	3517	5488	3211	4045
12	Turkey		204011	1009	992	997	1013	2219	1293
13	Italy		197431	269	213	143	575	825	533
14	Germany		188221	151	670	200	900	492	403
15	Spain		150376	0	0	0	0	0	0

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#####
#### AGGREGATED Data -- ORDERED BY CONFIRMED Cases -- Data dated: 2020-07-22 :: 2020-07-22 11:08:48
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Number of Countries/Regions reported: 188
Number of Cities/Provinces reported: 562
Unique number of distinct geographical locations combined: 3924

	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active
1	Sao Paulo, Brazil	422669	2.83	20171	4.77	290346	68.69	112152	26.53
2	South Africa	381798	2.55	5368	1.41	208144	54.52	168286	44.08
3	Maharashtra, India	327031	2.19	12276	3.75	182217	55.72	132538	40.53
4	Iran	278827	1.87	14634	5.25	242351	86.92	21842	7.83
5	Saudi Arabia	255825	1.71	2557	1.00	207259	81.02	46009	17.98
6	England, United Kingdom	254519	1.70	40828	16.04	0	0.00	213691	83.96
7	Metropolitana, Chile	247622	1.66	7096	2.87	231618	93.54	8908	3.60
8	Moscow, Russia	234725	1.57	4331	1.85	171771	73.18	58623	24.98
9	New York City, New York, US	222094	1.49	23424	10.55	0	0.00	198670	89.45
10	Turkey	221500	1.48	5526	2.49	204011	92.10	11963	5.40
11	Bangladesh	210510	1.41	2709	1.29	115397	54.82	92404	43.90
12	France	203696	1.36	30056	14.76	71382	35.04	102258	50.20

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13	Lima, Peru	193540	1.29	6320	3.27	0	0.00	187220	96.73
14	Tamil Nadu, India	180643	1.21	2626	1.45	126670	70.12	51347	28.42
15	Los Angeles, California, US	162025	1.08	4155	2.56	0	0.00	157870	97.44

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AGGREGATED Data -- ORDERED BY DEATHS Cases -- Data dated: 2020-07-22 :: 2020-07-22 11:08:48

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Number of Countries/Regions reported: 188
 Number of Cities/Provinces reported: 562
 Unique number of distinct geographical locations combined: 3924

	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active
1	England, United Kingdom	254519	1.70	40828	16.04	0	0.00	213691	83.96
2	France	203696	1.36	30056	14.76	71382	35.04	102258	50.20
3	New York City, New York, US	222094	1.49	23424	10.55	0	0.00	198670	89.45
4	Sao Paulo, Brazil	422669	2.83	20171	4.77	290346	68.69	112152	26.53
5	Lombardia, Italy	95582	0.64	16797	17.57	71775	75.09	7010	7.33
6	Iran	278827	1.87	14634	5.25	242351	86.92	21842	7.83
7	Rio de Janeiro, Brazil	145121	0.97	12293	8.47	124686	85.92	8142	5.61
8	Maharashtra, India	327031	2.19	12276	3.75	182217	55.72	132538	40.53
9	Belgium	64258	0.43	9805	15.26	17330	26.97	37123	57.77
10	Madrid, Spain	73445	0.49	8448	11.50	40736	55.46	24261	33.03
11	Ciudad de Mexico, Mexico	64431	0.43	8354	12.97	49921	77.48	6156	9.55
12	Ceara, Brazil	148986	1.00	7284	4.89	124616	83.64	17086	11.47
13	Metropolitana, Chile	247622	1.66	7096	2.87	231618	93.54	8908	3.60
14	Lima, Peru	193540	1.29	6320	3.27	0	0.00	187220	96.73
15	Pernambuco, Brazil	80441	0.54	6089	7.57	56615	70.38	17737	22.05

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AGGREGATED Data -- ORDERED BY RECOVERED Cases -- Data dated: 2020-07-22 :: 2020-07-22 11:08:48

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Number of Countries/Regions reported: 188
 Number of Cities/Provinces reported: 562
 Unique number of distinct geographical locations combined: 3924

	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active
1	Recovered, US	0	0.00	0	NaN	1182018	Inf	-1128916	-Inf
2	Sao Paulo, Brazil	422669	2.83	20171	4.77	290346	68.69	112152	26.53
3	Unknown, Peru	0	0.00	0	NaN	248746	Inf	-248746	-Inf
4	Iran	278827	1.87	14634	5.25	242351	86.92	21842	7.83
5	Metropolitana, Chile	247622	1.66	7096	2.87	231618	93.54	8908	3.60
6	South Africa	381798	2.55	5368	1.41	208144	54.52	168286	44.08
7	Saudi Arabia	255825	1.71	2557	1.00	207259	81.02	46009	17.98
8	Turkey	221500	1.48	5526	2.49	204011	92.10	11963	5.40
9	Maharashtra, India	327031	2.19	12276	3.75	182217	55.72	132538	40.53
10	Moscow, Russia	234725	1.57	4331	1.85	171771	73.18	58623	24.98
11	Para, Brazil	140388	0.94	5553	3.96	127679	90.95	7156	5.10
12	Tamil Nadu, India	180643	1.21	2626	1.45	126670	70.12	51347	28.42
13	Rio de Janeiro, Brazil	145121	0.97	12293	8.47	124686	85.92	8142	5.61
14	Ceara, Brazil	148986	1.00	7284	4.89	124616	83.64	17086	11.47

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15	Bangladesh	210510	1.41	2709	1.29	115397	54.82	92404	43.90
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#####									
#### AGGREGATED Data -- ORDERED BY ACTIVE Cases -- Data dated: 2020-07-22 :: 2020-07-22 11:08:48									
#####									
Number of Countries/Regions reported: 188									
Number of Cities/Provinces reported: 562									
Unique number of distinct geographical locations combined: 3924									

	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active
1	England, United Kingdom	254519	1.70	40828	16.04	0	0.00	213691	83.96
2	New York City, New York, US	222094	1.49	23424	10.55	0	0.00	198670	89.45
3	Lima, Peru	193540	1.29	6320	3.27	0	0.00	187220	96.73
4	South Africa	381798	2.55	5368	1.41	208144	54.52	168286	44.08
5	Los Angeles, California, US	162025	1.08	4155	2.56	0	0.00	157870	97.44
6	Maharashtra, India	327031	2.19	12276	3.75	182217	55.72	132538	40.53
7	Sao Paulo, Brazil	422669	2.83	20171	4.77	290346	68.69	112152	26.53
8	France	203696	1.36	30056	14.76	71382	35.04	102258	50.20
9	Maricopa, Arizona, US	98988	0.66	1556	1.57	0	0.00	97432	98.43
10	Cook, Illinois, US	99464	0.67	4788	4.81	0	0.00	94676	95.19
11	Bangladesh	210510	1.41	2709	1.29	115397	54.82	92404	43.90
12	Miami-Dade, Florida, US	89557	0.60	1325	1.48	0	0.00	88232	98.52
13	Argentina	136118	0.91	2490	1.83	58598	43.05	75030	55.12
14	Moscow, Russia	234725	1.57	4331	1.85	171771	73.18	58623	24.98
15	Harris, Texas, US	58457	0.39	561	0.96	0	0.00	57896	99.04
=====									
	Confirmed	Deaths	Recovered	Active					
Totals	14947428	616443	8466990	NA					
Average	3809.23	157.1	2157.74	NA					
Standard Deviation	19334.39	1173.75	23053.3	NA					
* Statistical estimators computed considering 3924 independent reported entries									

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

****	Time Series Worldwide TOTS ****								
	ts-confirmed	ts-deaths	ts-recovered						
	14947428	616443	8466990						
		4.12%	56.65%						
****	Time Series Worldwide AVGS ****								
	ts-confirmed	ts-deaths	ts-recovered						
	56193.34	2317.45	33466.36						
		4.12%	59.56%						
****	Time Series Worldwide SDS ****								
	ts-confirmed	ts-deaths	ts-recovered						
	290657.13	11338.21	141794.76						
		3.9%	48.78%						

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