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```
#####
#### TS-CONFIRMED Cases -- Data dated: 2020-10-19 :: 2020-10-20 01:02:29
#####
Number of Countries/Regions reported: 189
Number of Cities/Provinces reported: 82
Unique number of distinct geographical locations combined: 267
```

Worldwide ts-confirmed Totals: 40348737

	Country.Region	Province.State	Totals	GlobalPerc	LastDayChange	t-2	t-3	t-7	t-14	t-30
1	US		8212981	20.35	58387	48210	57519	52406	41939	36214
2	India		7550273	18.71	0	55722	61871	63509	72049	86961
3	Brazil		5250727	13.01	26365	0	24062	10220	41906	16389
4	Russia		1406667	3.49	15843	14804	14703	13690	11481	6043
5	Argentina		1002662	2.48	12982	10561	13510	13305	14740	8431
6	Spain		974449	2.42	37889	0	0	7118	11998	0
7	Colombia		965883	2.39	6311	7201	7017	5014	7650	6678
8	France		918679	2.28	75208	0	-4	21317	10335	0
9	Peru		868675	2.15	3126	3132	2677	2803	1830	6453
10	Mexico		854926	2.12	3699	4119	5447	4295	4828	3542
11	United Kingdom		741212	1.84	18803	16981	16171	17232	14542	3899
12	South Africa		705254	1.75	1461	1662	1928	1178	1027	1555
13	Iran		534631	1.33	4251	3890	4103	4108	4151	3097
14	Chile		493305	1.22	1545	1757	1813	1448	1560	1600
15	Iraq		430678	1.07	4044	3110	3221	3921	4172	3438

Global Perc. Average: 0.37 (sd: 1.9)

Global Perc. Average in top 15 : 5.11 (sd: 6.53)

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#####
#### TS-DEATHS Cases -- Data dated: 2020-10-19 :: 2020-10-20 01:02:29
#####
Number of Countries/Regions reported: 189
Number of Cities/Provinces reported: 82
Unique number of distinct geographical locations combined: 267
```

Worldwide ts-deaths Totals: 1117572

	Country.Region	Province.State	Totals	Perc	LastDayChange	t-2	t-3	t-7	t-14	t-30
1	US		220119	2.68	445	388	711	802	705	227
2	Brazil		154176	2.94	501	0	461	309	819	363
3	India		114610	1.52	0	579	1033	730	986	1130
4	Mexico		86338	10.10	171	108	355	475	471	235
5	United Kingdom		43726	5.90	80	67	150	143	76	18
6	Italy		36616	8.64	73	69	47	41	28	15
7	Spain		33992	3.49	217	0	0	80	261	0
8	Peru		33759	3.89	57	54	71	62	92	86
9	France		33374	3.63	320	0	0	258	44	0
10	Iran		30712	5.74	337	252	253	254	227	183
11	Colombia		29102	3.01	132	167	187	156	173	169
12	Argentina		26716	2.66	449	160	384	386	359	254
13	Russia		24205	1.72	166	182	277	240	184	79
14	South Africa		18492	2.62	21	63	38	165	87	13

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15 Chile 13676 2.77 41 47 59 20 33 32

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#####
#### TS-RECOVERED Cases -- Data dated: 2020-10-19 :: 2020-10-20 01:02:30
#####
Number of Countries/Regions reported: 189
Number of Cities/Provinces reported: 68
Unique number of distinct geographical locations combined: 254
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Worldwide ts-recovered Totals: 27628198

	Country.Region	Province.State	Totals	LastDayChange	t-2	t-3	t-7	t-14	t-30
1	India		6663608	0	66399	72614	74632	82203	93356
2	Brazil		4526393	0	0	0	0	32458	26553
3	US		3272603	38465	13565	23034	17865	17248	13225
4	Russia		1070920	5312	5329	8499	7443	6157	2886
5	Colombia		867961	9667	10827	10466	8307	4512	5514
6	Argentina		803965	0	12791	12673	9653	11255	10154
7	Peru		784056	9700	0	5279	4128	6665	13324
8	Mexico		727759	6786	5125	3598	2631	6889	4305
9	South Africa		635257	714	4107	1176	915	1173	637
10	Chile		465021	1078	1231	1615	2065	1965	1645
11	Iran		431360	3960	3479	3011	2719	2507	1938
12	Iraq		363532	3055	3186	3329	4158	4213	4052
13	Saudi Arabia		328895	357	373	370	500	557	1009
14	Philippines		310303	145	14846	447	231	190	19980
15	Pakistan		308010	601	340	429	471	672	566

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#####
#### AGGREGATED Data -- ORDERED BY CONFIRMED Cases -- Data dated: 2020-10-20 :: 2020-10-20 01:02:30
#####
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Number of Countries/Regions reported: 189
Number of Cities/Provinces reported: 559
Unique number of distinct geographical locations combined: 3949

	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active
1	Maharashtra, India	1595381	3.98	42115	2.64	1369810	85.86	183456	11.50
2	Sao Paulo, Brazil	1064039	2.66	38035	3.57	908199	85.35	117805	11.07
3	Argentina	1002662	2.50	26716	2.66	803965	80.18	171981	17.15
4	France	918679	2.29	33374	3.63	86234	9.39	799071	86.98
5	Andhra Pradesh, India	783132	1.96	6429	0.82	740229	94.52	36474	4.66
6	Karnataka, India	765586	1.91	10478	1.37	645825	84.36	109283	14.27
7	South Africa	705254	1.76	18492	2.62	635257	90.07	51505	7.30
8	Tamil Nadu, India	687400	1.72	10642	1.55	637637	92.76	39121	5.69
9	England, United Kingdom	629211	1.57	38783	6.16	0	0.00	590428	93.84
10	Iran	534631	1.33	30712	5.74	431360	80.68	72559	13.57
11	Uttar Pradesh, India	455146	1.14	6658	1.46	415592	91.31	32896	7.23
12	Iraq	430678	1.08	10317	2.40	363532	84.41	56829	13.20

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13	Lima, Peru	393971	0.98	15178	3.85	0	0.00	378793	96.15
14	Bangladesh	390206	0.97	5681	1.46	305599	78.32	78926	20.23
15	Moscow, Russia	367629	0.92	6009	1.63	275648	74.98	85972	23.39

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AGGREGATED Data -- ORDERED BY DEATHS Cases -- Data dated: 2020-10-20 :: 2020-10-20 01:02:30

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Number of Countries/Regions reported: 189
 Number of Cities/Provinces reported: 559
 Unique number of distinct geographical locations combined: 3949

	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active
1	Maharashtra, India	1595381	3.98	42115	2.64	1369810	85.86	183456	11.50
2	England, United Kingdom	629211	1.57	38783	6.16	0	0.00	590428	93.84
3	Sao Paulo, Brazil	1064039	2.66	38035	3.57	908199	85.35	117805	11.07
4	France	918679	2.29	33374	3.63	86234	9.39	799071	86.98
5	Iran	534631	1.33	30712	5.74	431360	80.68	72559	13.57
6	Argentina	1002662	2.50	26716	2.66	803965	80.18	171981	17.15
7	Rio de Janeiro, Brazil	291413	0.73	19770	6.78	258928	88.85	12715	4.36
8	South Africa	705254	1.76	18492	2.62	635257	90.07	51505	7.30
9	Lombardia, Italy	128456	0.32	17084	13.30	86738	67.52	24634	19.18
10	Lima, Peru	393971	0.98	15178	3.85	0	0.00	378793	96.15
11	Ciudad de Mexico, Mexico	147663	0.37	14425	9.77	124985	84.64	8253	5.59
12	Indonesia	365240	0.91	12617	3.45	289243	79.19	63380	17.35
13	Ecuador	153423	0.38	12395	8.08	134187	87.46	6841	4.46
14	Tamil Nadu, India	687400	1.72	10642	1.55	637637	92.76	39121	5.69
15	Karnataka, India	765586	1.91	10478	1.37	645825	84.36	109283	14.27

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AGGREGATED Data -- ORDERED BY RECOVERED Cases -- Data dated: 2020-10-20 :: 2020-10-20 01:02:30

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Number of Countries/Regions reported: 189
 Number of Cities/Provinces reported: 559
 Unique number of distinct geographical locations combined: 3949

	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active
1	Maharashtra, India	1595381	3.98	42115	2.64	1369810	85.86	183456	11.50
2	Sao Paulo, Brazil	1064039	2.66	38035	3.57	908199	85.35	117805	11.07
3	Argentina	1002662	2.50	26716	2.66	803965	80.18	171981	17.15
4	Andhra Pradesh, India	783132	1.96	6429	0.82	740229	94.52	36474	4.66
5	Karnataka, India	765586	1.91	10478	1.37	645825	84.36	109283	14.27
6	Tamil Nadu, India	687400	1.72	10642	1.55	637637	92.76	39121	5.69
7	South Africa	705254	1.76	18492	2.62	635257	90.07	51505	7.30
8	Iran	534631	1.33	30712	5.74	431360	80.68	72559	13.57
9	Uttar Pradesh, India	455146	1.14	6658	1.46	415592	91.31	32896	7.23
10	Iraq	430678	1.08	10317	2.40	363532	84.41	56829	13.20
11	Saudi Arabia	342583	0.86	5201	1.52	328895	96.00	8487	2.48
12	Bahia, Brazil	336232	0.84	7342	2.18	311054	92.51	17836	5.30
13	Philippines	359169	0.90	6675	1.86	310303	86.39	42191	11.75
14	Bangladesh	390206	0.97	5681	1.46	305599	78.32	78926	20.23

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15	Turkey	349519	0.87	9371	2.68	305427	87.38	34721	9.93						
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#####															
#### AGGREGATED Data -- ORDERED BY ACTIVE Cases -- Data dated: 2020-10-20 :: 2020-10-20 01:02:30															
#####															
Number of Countries/Regions reported: 189															
Number of Cities/Provinces reported: 559															
Unique number of distinct geographical locations combined: 3949															

	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active						
1	France	918679	2.29	33374	3.63	86234	9.39	799071	86.98						
2	England, United Kingdom	629211	1.57	38783	6.16	0	0.00	590428	93.84						
3	Lima, Peru	393971	0.98	15178	3.85	0	0.00	378793	96.15						
4	Los Angeles, California, US	289366	0.72	6877	2.38	0	0.00	282489	97.62						
5	Madrid, Spain	281388	0.70	10014	3.56	40736	14.48	230638	81.96						
6	Belgium	230480	0.58	10443	4.53	21214	9.20	198823	86.26						
7	Maharashtra, India	1595381	3.98	42115	2.64	1369810	85.86	183456	11.50						
8	Miami-Dade, Florida, US	178726	0.45	3547	1.98	0	0.00	175179	98.02						
9	Argentina	1002662	2.50	26716	2.66	803965	80.18	171981	17.15						
10	Cook, Illinois, US	165198	0.41	5364	3.25	0	0.00	159834	96.75						
11	Harris, Texas, US	154765	0.39	2729	1.76	0	0.00	152036	98.24						
12	Maricopa, Arizona, US	150280	0.38	3512	2.34	0	0.00	146768	97.66						
13	Catalonia, Spain	176860	0.44	5913	3.34	26203	14.82	144744	81.84						
14	Sao Paulo, Brazil	1064039	2.66	38035	3.57	908199	85.35	117805	11.07						
15	Karnataka, India	765586	1.91	10478	1.37	645825	84.36	109283	14.27						
=====															
	Confirmed	Deaths	Recovered	Active											
Totals	40047948	1110957	23285167	NA											
Average	10141.29	281.33	5896.47	NA											
Standard Deviation	55910.48	1731.01	44609	NA											
* Statistical estimators computed considering 3949 independent reported entries															

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

****	Time Series Worldwide TOTS ****														
	ts-confirmed	ts-deaths	ts-recovered												
	40348737	1117572	27628198												
	2.77%	68.47%													
****	Time Series Worldwide AVGS ****														
	ts-confirmed	ts-deaths	ts-recovered												
	151118.87	4185.66	108772.43												
	2.77%	71.98%													
****	Time Series Worldwide SDS ****														
	ts-confirmed	ts-deaths	ts-recovered												
	767676.27	19361.8	556583.07												
	2.52%	72.5%													

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* Statistical estimators computed considering 267/267/254 independent reported entries per case-type
