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#####
#### TS-CONFIRMED Cases -- Data dated: 2020-12-15 :: 2020-12-16 13:02:31
#####
Number of Countries/Regions reported: 191
Number of Cities/Provinces reported: 84
Unique number of distinct geographical locations combined: 271
```

Worldwide ts-confirmed Totals: 73475980

	Country.Region	Province.State	Totals	GlobalPerc	LastDayChange	t-2	t-3	t-7	t-14	t-30
1	US		16716777	22.75	198357	192805	191378	222803	202462	157716
2	India		9932547	13.52	26382	22065	27071	31521	35551	29163
3	Brazil		6970034	9.49	42889	25193	21825	53453	49863	13371
4	Russia		2682866	3.65	26265	26902	27651	25838	25043	22562
5	France		2390419	3.25	11128	3063	25435	14540	13980	9301
6	Turkey		1898447	2.58	32102	29617	26919	31712	31923	3316
7	United Kingdom		1888116	2.57	18450	20263	18447	16578	16170	21363
8	Italy		1870576	2.55	14839	12025	17937	12755	20709	27352
9	Spain		1762212	2.40	10328	21309	0	9773	9331	38273
10	Argentina		1510203	2.06	6981	5062	3558	5303	7533	7893
11	Colombia		1444646	1.97	10130	8742	8702	7523	9297	6471
12	Germany		1391086	1.89	33825	6451	14709	25089	23275	14580
13	Mexico		1267202	1.72	11228	5930	8608	11974	11251	2874
14	Poland		1147446	1.56	6874	4896	8976	12166	13823	20816
15	Iran		1123474	1.53	7704	7501	7451	10223	13621	13053

Global Perc. Average: 0.37 (sd: 1.76)

Global Perc. Average in top 15 : 4.9 (sd: 5.97)

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#####
#### TS-DEATHS Cases -- Data dated: 2020-12-15 :: 2020-12-16 13:02:31
#####
Number of Countries/Regions reported: 191
Number of Cities/Provinces reported: 84
Unique number of distinct geographical locations combined: 271
```

Worldwide ts-deaths Totals: 1635427

	Country.Region	Province.State	Totals	Perc	LastDayChange	t-2	t-3	t-7	t-14	t-30
1	US		303773	1.82	3019	1523	1389	3106	2797	745
2	Brazil		182799	2.62	964	433	279	836	698	216
3	India		144096	1.45	387	354	336	412	526	449
4	Mexico		115099	9.08	801	345	249	781	800	319
5	Italy		65857	3.52	846	491	484	499	684	504
6	United Kingdom		64908	3.44	506	232	144	533	648	213
7	France		58712	2.46	787	371	344	293	310	506
8	Iran		52670	4.69	223	251	247	295	362	486
9	Spain		48401	2.75	388	389	0	373	273	484
10	Russia		47410	1.77	564	442	481	546	580	299
11	Argentina		41204	2.73	163	275	98	213	228	291
12	Colombia		39356	2.72	161	142	187	150	183	192
13	Peru		36754	3.73	77	133	0	127	0	54
14	South Africa		23661	2.71	210	175	170	142	65	73

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15 Germany 23544 1.69 910 528 206 458 482 260

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#####
#### TS-RECOVERED Cases -- Data dated: 2020-12-15 :: 2020-12-16 13:02:32
#####
Number of Countries/Regions reported: 191
Number of Cities/Provinces reported: 68
Unique number of distinct geographical locations combined: 256
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Worldwide ts-recovered Totals: 41615682

	Country.Region	Province.State	Totals	LastDayChange	t-2	t-3	t-7	t-14	t-30
1	India		9456449	33813	34477	30695	37725	40726	40791
2	Brazil		6206483	48434	19700	60062	626	46989	56046
3	Russia		2129806	24392	18527	20177	25846	26480	13828
4	Turkey		1661191	29247	28164	22215	5846	4821	2712
5	Argentina		1344300	4180	4803	5157	5901	5107	11094
6	Colombia		1328430	6961	6633	4411	9271	7988	6911
7	Italy		1141406	25789	22456	16270	39266	38740	21554
8	Germany		1031721	19644	21370	14776	20214	20184	16599
9	Mexico		938089	10335	9073	6716	8118	6750	4010
10	Peru		920306	1954	2017	0	1724	3917	6960
11	Poland		879748	10593	10260	18354	29396	25391	11239
12	Iran		833276	10045	10961	11417	11415	10091	5881
13	South Africa		764977	2231	1735	893	1586	1774	2029
14	Chile		548190	1652	1706	1746	1444	1467	1367
15	Ukraine		542672	16571	5189	7663	14974	14284	2789

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#####
#### AGGREGATED Data -- ORDERED BY CONFIRMED Cases -- Data dated: 2020-12-16 :: 2020-12-16 13:02:32
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Number of Countries/Regions reported: 191
Number of Cities/Provinces reported: 574
Unique number of distinct geographical locations combined: 3966

	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active
1	France	2390419	3.26	58712	2.46	155751	6.52	2175956	91.03
2	Turkey	1898447	2.59	16881	0.89	1661191	87.50	220375	11.61
3	Maharashtra, India	1886807	2.57	48339	2.56	1766010	93.60	72458	3.84
4	England, United Kingdom	1618678	2.21	56747	3.51	0	0.00	1561931	96.49
5	Argentina	1510203	2.06	41204	2.73	1344300	89.01	124699	8.26
6	Sao Paulo, Brazil	1341428	1.83	44282	3.30	1189305	88.66	107841	8.04
7	Poland	1147446	1.57	23309	2.03	879748	76.67	244389	21.30
8	Iran	1123474	1.53	52670	4.69	833276	74.17	237528	21.14
9	Karnataka, India	903425	1.23	11965	1.32	875796	96.94	15664	1.73
10	Andhra Pradesh, India	876336	1.20	7064	0.81	864612	98.66	4660	0.53
11	South Africa	873679	1.19	23661	2.71	764977	87.56	85041	9.73
12	Tamil Nadu, India	801161	1.09	11919	1.49	779291	97.27	9951	1.24

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13	Moscow, Russia	703502	0.96	10022	1.42	539859	76.74	153621	21.84
14	Kerala, India	677255	0.92	2680	0.40	616666	91.05	57909	8.55
15	Indonesia	629429	0.86	19111	3.04	516656	82.08	93662	14.88

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AGGREGATED Data -- ORDERED BY DEATHS Cases -- Data dated: 2020-12-16 :: 2020-12-16 13:02:32

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Number of Countries/Regions reported: 191
 Number of Cities/Provinces reported: 574
 Unique number of distinct geographical locations combined: 3966

	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active
1	France	2390419	3.26	58712	2.46	155751	6.52	2175956	91.03
2	England, United Kingdom	1618678	2.21	56747	3.51	0	0.00	1561931	96.49
3	Iran	1123474	1.53	52670	4.69	833276	74.17	237528	21.14
4	Maharashtra, India	1886807	2.57	48339	2.56	1766010	93.60	72458	3.84
5	Sao Paulo, Brazil	1341428	1.83	44282	3.30	1189305	88.66	107841	8.04
6	Argentina	1510203	2.06	41204	2.73	1344300	89.01	124699	8.26
7	Lombardia, Italy	447011	0.61	23991	5.37	347130	77.66	75890	16.98
8	Rio de Janeiro, Brazil	391350	0.53	23887	6.10	361293	92.32	6170	1.58
9	South Africa	873679	1.19	23661	2.71	764977	87.56	85041	9.73
10	Poland	1147446	1.57	23309	2.03	879748	76.67	244389	21.30
11	Indonesia	629429	0.86	19111	3.04	516656	82.08	93662	14.88
12	Mexico, Mexico	127301	0.17	16972	13.33	0	0.00	110329	86.67
13	Turkey	1898447	2.59	16881	0.89	1661191	87.50	220375	11.61
14	Lima, Peru	438143	0.60	16435	3.75	0	0.00	421708	96.25
15	Ciudad de Mexico, Mexico	269226	0.37	14837	5.51	0	0.00	254389	94.49

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AGGREGATED Data -- ORDERED BY RECOVERED Cases -- Data dated: 2020-12-16 :: 2020-12-16 13:02:32

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Number of Countries/Regions reported: 191
 Number of Cities/Provinces reported: 574
 Unique number of distinct geographical locations combined: 3966

	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active
1	Maharashtra, India	1886807	2.57	48339	2.56	1766010	93.60	72458	3.84
2	Turkey	1898447	2.59	16881	0.89	1661191	87.50	220375	11.61
3	Argentina	1510203	2.06	41204	2.73	1344300	89.01	124699	8.26
4	Sao Paulo, Brazil	1341428	1.83	44282	3.30	1189305	88.66	107841	8.04
5	Poland	1147446	1.57	23309	2.03	879748	76.67	244389	21.30
6	Karnataka, India	903425	1.23	11965	1.32	875796	96.94	15664	1.73
7	Andhra Pradesh, India	876336	1.20	7064	0.81	864612	98.66	4660	0.53
8	Iran	1123474	1.53	52670	4.69	833276	74.17	237528	21.14
9	Tamil Nadu, India	801161	1.09	11919	1.49	779291	97.27	9951	1.24
10	South Africa	873679	1.19	23661	2.71	764977	87.56	85041	9.73
11	Kerala, India	677255	0.92	2680	0.40	616666	91.05	57909	8.55
12	Delhi, India	610447	0.83	10115	1.66	585852	95.97	14480	2.37
13	Uttar Pradesh, India	568064	0.78	8103	1.43	541579	95.34	18382	3.24
14	Moscow, Russia	703502	0.96	10022	1.42	539859	76.74	153621	21.84

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15	Indonesia	629429	0.86	19111	3.04	516656	82.08	93662	14.88
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#### AGGREGATED Data -- ORDERED BY ACTIVE Cases -- Data dated: 2020-12-16 :: 2020-12-16 13:02:32
#####
Number of Countries/Regions reported: 191
Number of Cities/Provinces reported: 574
Unique number of distinct geographical locations combined: 3966
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	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active
1	France	2390419	3.26	58712	2.46	155751	6.52	2175956	91.03
2	England, United Kingdom	1618678	2.21	56747	3.51	0	0.00	1561931	96.49
3	Los Angeles, California, US	543769	0.74	8431	1.55	0	0.00	535338	98.45
4	Lima, Peru	438143	0.60	16435	3.75	0	0.00	421708	96.25
5	Cook, Illinois, US	358014	0.49	7458	2.08	0	0.00	350556	97.92
6	Madrid, Spain	367188	0.50	11590	3.16	40736	11.09	314862	85.75
7	Catalonia, Spain	323087	0.44	8452	2.62	26203	8.11	288432	89.27
8	Serbia	277248	0.38	2433	0.88	0	0.00	274815	99.12
9	Maricopa, Arizona, US	263191	0.36	4381	1.66	0	0.00	258810	98.34
10	Miami-Dade, Florida, US	262298	0.36	4005	1.53	0	0.00	258293	98.47
11	Ciudad de Mexico, Mexico	269226	0.37	14837	5.51	0	0.00	254389	94.49
12	Poland	1147446	1.57	23309	2.03	879748	76.67	244389	21.30
13	Iran	1123474	1.53	52670	4.69	833276	74.17	237528	21.14
14	Andalusia, Spain	248611	0.34	4631	1.86	10671	4.29	233309	93.85
15	Turkey	1898447	2.59	16881	0.89	1661191	87.50	220375	11.61

	Confirmed	Deaths	Recovered	Active
Totals	73280366	1613243	39624724	NA
Average	18477.15	406.77	9991.11	NA
Standard Deviation	93934.82	2421.43	70736.25	NA

* Statistical estimators computed considering 3966 independent reported entries

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*****
***** OVERALL SUMMARY*****
*****
**** Time Series Worldwide TOTS ****
    ts-confirmed    ts-deaths    ts-recovered
    73475980        1635427    41615682
          2.23%          56.64%

**** Time Series Worldwide AVGS ****
    ts-confirmed    ts-deaths    ts-recovered
    271129.08        6034.79    162561.26
          2.23%          59.96%

**** Time Series Worldwide SDS ****
    ts-confirmed    ts-deaths    ts-recovered
    1293577.11      25724.46      745679.82
          1.99%          57.64%
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* Statistical estimators computed considering 271/271/256 independent reported entries per case-type
