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```
#####
#### TS-CONFIRMED Cases -- Data dated: 2020-12-22 :: 2020-12-23 13:02:32
#####
Number of Countries/Regions reported: 191
Number of Cities/Provinces reported: 84
Unique number of distinct geographical locations combined: 271
```

Worldwide ts-confirmed Totals: 78011432

	Country.Region	Province.State	Totals	GlobalPerc	LastDayChange	t-2	t-3	t-7	t-14	t-30
1	US		18230242	23.37	195033	190519	189099	247403	223263	167979
2	India		10099066	12.95	23950	19556	24337	24010	31521	37975
3	Brazil		7318821	9.38	55202	25019	25445	70574	53453	16207
4	Russia		2878382	3.69	28340	28917	28510	26074	25838	24891
5	France		2488889	3.19	11634	5797	12619	17564	14540	4452
6	United Kingdom		2110314	2.71	36803	33364	35928	25161	16578	15450
7	Turkey		2062960	2.64	19256	19103	20316	29718	31712	6713
8	Italy		1977370	2.53	13316	10869	15102	17568	12755	22927
9	Spain		1829903	2.35	10654	22013	0	11078	9773	25886
10	Germany		1570371	2.01	36153	19256	6444	32744	25089	14455
11	Argentina		1555279	1.99	8141	5853	4116	6843	5303	4265
12	Colombia		1530593	1.96	12526	10845	11160	11953	7523	6562
13	Mexico		1338426	1.72	12511	5370	6870	10297	11974	7483
14	Poland		1214525	1.56	7192	4633	8590	12455	12166	15002
15	Iran		1170743	1.50	6208	6151	6312	7603	10223	12460

Global Perc. Average: 0.37 (sd: 1.77)

Global Perc. Average in top 15 : 4.9 (sd: 6.04)

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#####
#### TS-DEATHS Cases -- Data dated: 2020-12-22 :: 2020-12-23 13:02:32
#####
Number of Countries/Regions reported: 191
Number of Cities/Provinces reported: 84
Unique number of distinct geographical locations combined: 271
```

Worldwide ts-deaths Totals: 1717055

	Country.Region	Province.State	Totals	Perc	LastDayChange	t-2	t-3	t-7	t-14	t-30
1	US		322765	1.77	3401	1696	1509	3682	3064	916
2	Brazil		188259	2.57	968	527	408	936	836	302
3	India		146444	1.45	333	301	333	355	412	480
4	Mexico		119495	8.93	897	396	326	670	781	250
5	Italy		69842	3.53	628	415	352	680	499	630
6	United Kingdom		68307	3.24	691	215	326	612	533	206
7	France		61339	2.46	802	351	130	289	293	500
8	Iran		54003	4.61	187	191	177	213	295	453
9	Russia		51274	1.78	551	481	498	584	546	354
10	Spain		49520	2.71	260	334	0	195	373	512
11	Argentina		42254	2.72	257	184	50	161	213	120
12	Colombia		40931	2.67	251	205	207	204	150	192
13	Peru		37173	3.72	70	69	176	0	127	46
14	Germany		28096	1.79	986	710	229	729	458	301

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15 Poland 25783 2.12 309 77 143 605 568 156

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#####
#### TS-RECOVERED Cases -- Data dated: 2020-12-22 :: 2020-12-23 13:02:33
#####
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: 43998513

	Country.Region	Province.State	Totals	LastDayChange	t-2	t-3	t-7	t-14	t-30
1	India		9663382	26895	30376	25709	33291	37725	42314
2	Brazil		6501341	32031	60793	19579	32709	626	23211
3	Russia		2297289	23779	19684	20766	26036	25846	15955
4	Turkey		1866815	32110	34419	21218	29922	5846	3254
5	Colombia		1394374	12034	9008	10789	7736	9271	7965
6	Argentina		1379726	5325	6055	5729	3614	5901	8308
7	Italy		1301573	20315	19632	12156	34495	39266	31395
8	Germany		1171444	23501	24218	16610	24756	20214	18748
9	Mexico		996302	8974	9326	6887	7584	8118	5589
10	Poland		954272	8255	7748	10546	12902	29396	14897
11	Peru		936182	3887	1885	0	3814	1724	0
12	Iran		903998	9632	9312	9111	11154	11415	6961
13	South Africa		808241	11895	2432	6132	9608	1586	1096
14	Ukraine		622519	14399	5127	6775	13003	14974	4190
15	Chile		559845	1932	1957	1623	1662	1444	1403

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#####
#### AGGREGATED Data -- ORDERED BY CONFIRMED Cases -- Data dated: 2020-12-23 :: 2020-12-23 13:02:33
#####
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Number of Countries/Regions reported: 191
Number of Cities/Provinces reported: 574
Unique number of distinct geographical locations combined: 3967

	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active
1	France	2488889	3.20	61339	2.46	162540	6.53	2265010	91.00
2	Turkey	2062960	2.65	18602	0.90	1866815	90.49	177543	8.61
3	Maharashtra, India	1902458	2.44	48876	2.57	1794080	94.30	59502	3.13
4	England, United Kingdom	1804923	2.32	59613	3.30	0	0.00	1745310	96.70
5	Argentina	1555279	2.00	42254	2.72	1379726	88.71	133299	8.57
6	Sao Paulo, Brazil	1398757	1.80	45395	3.25	1222776	87.42	130586	9.34
7	Poland	1214525	1.56	25783	2.12	954272	78.57	234470	19.31
8	Iran	1170743	1.50	54003	4.61	903998	77.22	212742	18.17
9	South Africa	940212	1.21	25246	2.69	808241	85.96	106725	11.35
10	Karnataka, India	911382	1.17	12029	1.32	885341	97.14	14012	1.54
11	Andhra Pradesh, India	879339	1.13	7082	0.81	868279	98.74	3978	0.45
12	Tamil Nadu, India	809014	1.04	12012	1.48	787611	97.35	9391	1.16

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13	Moscow, Russia	750934	0.96	10540	1.40	577544	76.91	162850	21.69
14	Kerala, India	715341	0.92	2870	0.40	650836	90.98	61635	8.62
15	Indonesia	678125	0.87	20257	2.99	552722	81.51	105146	15.51

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#####
#### AGGREGATED Data -- ORDERED BY DEATHS Cases -- Data dated: 2020-12-23 :: 2020-12-23 13:02:33
#####

Number of Countries/Regions reported: 191
Number of Cities/Provinces reported: 574
Unique number of distinct geographical locations combined: 3967
```

	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active
1	France	2488889	3.20	61339	2.46	162540	6.53	2265010	91.00
2	England, United Kingdom	1804923	2.32	59613	3.30	0	0.00	1745310	96.70
3	Iran	1170743	1.50	54003	4.61	903998	77.22	212742	18.17
4	Maharashtra, India	1902458	2.44	48876	2.57	1794080	94.30	59502	3.13
5	Sao Paulo, Brazil	1398757	1.80	45395	3.25	1222776	87.42	130586	9.34
6	Argentina	1555279	2.00	42254	2.72	1379726	88.71	133299	8.57
7	Poland	1214525	1.56	25783	2.12	954272	78.57	234470	19.31
8	South Africa	940212	1.21	25246	2.69	808241	85.96	106725	11.35
9	Rio de Janeiro, Brazil	411369	0.53	24594	5.98	380338	92.46	6437	1.56
10	Lombardia, Italy	462446	0.59	24512	5.30	376790	81.48	61144	13.22
11	Indonesia	678125	0.87	20257	2.99	552722	81.51	105146	15.51
12	Turkey	2062960	2.65	18602	0.90	1866815	90.49	177543	8.61
13	Mexico, Mexico	135837	0.17	17780	13.09	0	0.00	118057	86.91
14	Lima, Peru	442631	0.57	16608	3.75	0	0.00	426023	96.25
15	Ciudad de Mexico, Mexico	297345	0.38	15679	5.27	0	0.00	281666	94.73

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#####
#### AGGREGATED Data -- ORDERED BY RECOVERED Cases -- Data dated: 2020-12-23 :: 2020-12-23 13:02:33
#####

Number of Countries/Regions reported: 191
Number of Cities/Provinces reported: 574
Unique number of distinct geographical locations combined: 3967
```

	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active
1	Turkey	2062960	2.65	18602	0.90	1866815	90.49	177543	8.61
2	Maharashtra, India	1902458	2.44	48876	2.57	1794080	94.30	59502	3.13
3	Argentina	1555279	2.00	42254	2.72	1379726	88.71	133299	8.57
4	Sao Paulo, Brazil	1398757	1.80	45395	3.25	1222776	87.42	130586	9.34
5	Poland	1214525	1.56	25783	2.12	954272	78.57	234470	19.31
6	Iran	1170743	1.50	54003	4.61	903998	77.22	212742	18.17
7	Karnataka, India	911382	1.17	12029	1.32	885341	97.14	14012	1.54
8	Andhra Pradesh, India	879339	1.13	7082	0.81	868279	98.74	3978	0.45
9	South Africa	940212	1.21	25246	2.69	808241	85.96	106725	11.35
10	Tamil Nadu, India	809014	1.04	12012	1.48	787611	97.35	9391	1.16
11	Kerala, India	715341	0.92	2870	0.40	650836	90.98	61635	8.62
12	Delhi, India	618747	0.79	10329	1.67	599683	96.92	8735	1.41
13	Moscow, Russia	750934	0.96	10540	1.40	577544	76.91	162850	21.69
14	Indonesia	678125	0.87	20257	2.99	552722	81.51	105146	15.51

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15	Uttar Pradesh, India	576832	0.74	8224	1.43	551917	95.68	16691	2.89
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##### AGGREGATED Data -- ORDERED BY ACTIVE Cases -- Data dated: 2020-12-23 :: 2020-12-23 13:02:33
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Number of Countries/Regions reported: 191
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```
Number of Cities/Provinces reported: 574
```

```
Unique number of distinct geographical locations combined: 3967
```

	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active
1	France	2488889	3.20	61339	2.46	162540	6.53	2265010	91.00
2	England, United Kingdom	1804923	2.32	59613	3.30	0	0.00	1745310	96.70
3	Los Angeles, California, US	647542	0.83	9016	1.39	0	0.00	638526	98.61
4	Lima, Peru	442631	0.57	16608	3.75	0	0.00	426023	96.25
5	Cook, Illinois, US	375360	0.48	7853	2.09	0	0.00	367507	97.91
6	Madrid, Spain	380312	0.49	11680	3.07	40736	10.71	327896	86.22
7	Serbia	307827	0.40	2782	0.90	0	0.00	305045	99.10
8	Catalonia, Spain	335841	0.43	8542	2.54	26203	7.80	301096	89.65
9	Maricopa, Arizona, US	287646	0.37	4754	1.65	0	0.00	282892	98.35
10	Ciudad de Mexico, Mexico	297345	0.38	15679	5.27	0	0.00	281666	94.73
11	Miami-Dade, Florida, US	278739	0.36	4095	1.47	0	0.00	274644	98.53
12	Andalusia, Spain	255563	0.33	4874	1.91	10671	4.18	240018	93.92
13	Poland	1214525	1.56	25783	2.12	954272	78.57	234470	19.31
14	Harris, Texas, US	222931	0.29	3260	1.46	0	0.00	219671	98.54
15	Iran	1170743	1.50	54003	4.61	903998	77.22	212742	18.17

	Confirmed	Deaths	Recovered	Active
Totals	77862518	1694696	41930078	NA
Average	19627.56	427.2	10569.72	NA
Standard Deviation	98762.57	2512.6	74328.02	NA

```
* Statistical estimators computed considering 3967 independent reported entries
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*****
***** OVERALL SUMMARY*****
*****
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```
**** Time Series Worldwide TOTS ****
ts-confirmed ts-deaths ts-recovered
78011432      1717055 43998513
2.2%         56.4%

**** Time Series Worldwide AVGS ****
ts-confirmed ts-deaths ts-recovered
287865.06    6336     171869.19
2.2%         59.7%

**** Time Series Worldwide SDS ****
ts-confirmed ts-deaths ts-recovered
1383155.74   26963.45  772253.67
1.95%       55.83%
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* Statistical estimators computed considering 271/271/256 independent reported entries per case-type
