

Sep 20, 20 13:02

covid19-SummaryReport_2020-09-20.txt

Page 1/5

```
#####
#### TS-CONFIRMED Cases -- Data dated: 2020-09-19 :: 2020-09-20 13:02:25
#####
Number of Countries/Regions reported: 188
Number of Cities/Provinces reported: 82
Unique number of distinct geographical locations combined: 266
```

Worldwide ts-confirmed Totals: 30777606

	Country.Region	Province.State	Totals	GlobalPerc	LastDayChange	t-2	t-3	t-7	t-14	t-30
1	US		6764970	21.98	41037	49522	44360	34999	31395	48623
2	India		5400619	17.55	92605	93337	96424	92071	90802	69876
3	Brazil		4528240	14.71	33057	39797	36303	14768	14521	30355
4	Russia		1092915	3.55	5960	5803	5667	5361	5097	4838
5	Colombia		758398	2.46	7927	6526	7568	7355	8065	8419
6	Peru		756412	2.46	6314	5698	6380	6162	6854	8639
7	Mexico		694121	2.26	5167	4841	3182	4408	4614	5928
8	South Africa		659656	2.14	2029	2055	2128	1579	1633	3398
9	Spain		640040	2.08	0	14389	11291	0	0	8148
10	Argentina		622934	2.02	9276	11945	12701	9056	6986	8159
11	France		444978	1.45	0	13012	10105	0	-107	14920
12	Chile		444674	1.44	1847	1677	1863	2082	2076	1920
13	Iran		419043	1.36	2845	3049	2815	2089	1992	2206
14	United Kingdom		390358	1.27	4422	4322	3395	3330	2988	1033
15	Bangladesh		347372	1.13	1567	1541	1593	1476	1592	2401

Global Perc. Average: 0.38 (sd: 1.97)

Global Perc. Average in top 15 : 5.19 (sd: 6.84)

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#####
#### TS-DEATHS Cases -- Data dated: 2020-09-19 :: 2020-09-20 13:02:26
#####
Number of Countries/Regions reported: 188
Number of Cities/Provinces reported: 82
Unique number of distinct geographical locations combined: 266
```

Worldwide ts-deaths Totals: 956976

	Country.Region	Province.State	Totals	Perc	LastDayChange	t-2	t-3	t-7	t-14	t-30
1	US		199259	2.95	689	937	870	378	403	1105
2	Brazil		136532	3.02	739	858	829	415	447	1054
3	India		86752	1.61	1133	1247	1174	1136	1016	945
4	Mexico		73258	10.55	455	624	201	217	232	504
5	United Kingdom		41759	10.70	27	27	21	5	2	2
6	Italy		35692	12.03	24	10	13	7	7	9
7	Peru		31283	4.14	137	95	124	56	133	200
8	France		31085	6.99	0	154	47	0	-2	73
9	Spain		30495	4.76	0	90	162	0	0	25
10	Iran		24118	5.76	166	144	176	128	139	112
11	Colombia		24039	3.17	374	0	187	190	256	385
12	Russia		19270	1.76	142	132	143	91	61	90
13	South Africa		15940	2.42	83	85	67	20	110	225
14	Argentina		12799	2.05	143	196	344	89	120	213

Sep 20, 20 13:02

covid19-SummaryReport_2020-09-20.txt

Page 2/5

15 Chile 12254 2.76 55 57 84 54 41 52

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#####
#### TS-RECOVERED Cases -- Data dated: 2020-09-19 :: 2020-09-20 13:02:26
#####
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: 21016801

	Country.Region	Province.State	Totals	LastDayChange	t-2	t-3	t-7	t-14	t-30
1	India		4303043	94612	95880	87472	77512	69564	63631
2	Brazil		3936893	39354	23605	28470	0	23156	11240
3	US		2577446	20981	16131	14761	16748	13808	18021
4	Russia		903545	5125	5275	5688	2684	2796	5771
5	Colombia		627685	12228	0	5379	6565	10459	9816
6	Peru		594513	0	0	13760	0	7899	0
7	South Africa		589434	2590	1541	1108	1483	2687	2933
8	Mexico		586154	4045	2964	4942	6268	5825	5562
9	Argentina		478077	10791	10939	8084	9742	8751	6155
10	Chile		418101	2120	2053	2075	1407	1432	1834
11	Iran		357632	2127	1657	1829	1726	1769	1630
12	Saudi Arabia		309430	1078	1145	1203	1034	895	1591
13	Pakistan		292303	259	361	514	377	3463	775
14	Turkey		266117	1312	1060	1143	1102	1013	772
15	Bangladesh		254386	2051	1923	2443	2372	3423	3624

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#####
#### AGGREGATED Data -- ORDERED BY CONFIRMED Cases -- Data dated: 2020-09-20 :: 2020-09-20 13:02:26
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Number of Countries/Regions reported: 188
 Number of Cities/Provinces reported: 562
 Unique number of distinct geographical locations combined: 3945

	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active
1	Maharashtra, India	1167496	3.86	31791	2.72	834432	71.47	301273	25.81
2	Sao Paulo, Brazil	931673	3.08	33927	3.64	780448	83.77	117298	12.59
3	South Africa	659656	2.18	15940	2.42	589434	89.35	54282	8.23
4	Argentina	622934	2.06	12799	2.05	478077	76.75	132058	21.20
5	Andhra Pradesh, India	609558	2.02	5244	0.86	519891	85.29	84423	13.85
6	Tamil Nadu, India	530908	1.76	8685	1.64	475717	89.60	46506	8.76
7	Karnataka, India	502982	1.66	7808	1.55	394026	78.34	101148	20.11
8	Iran	419043	1.39	24118	5.76	357632	85.34	37293	8.90
9	Lima, Peru	349167	1.15	14009	4.01	0	0.00	335158	95.99
10	Bangladesh	347372	1.15	4913	1.41	254386	73.23	88073	25.35
11	Uttar Pradesh, India	342788	1.13	4869	1.42	270094	78.79	67825	19.79
12	England, United Kingdom	336622	1.11	37076	11.01	0	0.00	299546	88.99

Sep 20, 20 13:02

covid19-SummaryReport_2020-09-20.txt

Page 3/5

13	Saudi Arabia	329271	1.09	4458	1.35	309430	93.97	15383	4.67
14	Iraq	315597	1.04	8491	2.69	249539	79.07	57567	18.24
15	Turkey	301348	1.00	7445	2.47	266117	88.31	27786	9.22

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AGGREGATED Data -- ORDERED BY DEATHS Cases -- Data dated: 2020-09-20 :: 2020-09-20 13:02:26

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Number of Countries/Regions reported: 188
 Number of Cities/Provinces reported: 562
 Unique number of distinct geographical locations combined: 3945

	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active
1	England, United Kingdom	336622	1.11	37076	11.01	0	0.00	299546	88.99
2	Sao Paulo, Brazil	931673	3.08	33927	3.64	780448	83.77	117298	12.59
3	Maharashtra, India	1167496	3.86	31791	2.72	834432	71.47	301273	25.81
4	Iran	419043	1.39	24118	5.76	357632	85.34	37293	8.90
5	Rio de Janeiro, Brazil	251261	0.83	17634	7.02	228258	90.84	5369	2.14
6	Lombardia, Italy	104547	0.35	16917	16.18	78695	75.27	8935	8.55
7	South Africa	659656	2.18	15940	2.42	589434	89.35	54282	8.23
8	Lima, Peru	349167	1.15	14009	4.01	0	0.00	335158	95.99
9	Argentina	622934	2.06	12799	2.05	478077	76.75	132058	21.20
10	Ciudad de Mexico, Mexico	116943	0.39	11545	9.87	98840	84.52	6558	5.61
11	Ecuador	125620	0.42	11084	8.82	97063	77.27	17473	13.91
12	Belgium	100748	0.33	9944	9.87	18945	18.80	71859	71.33
13	Indonesia	240687	0.80	9448	3.93	174350	72.44	56889	23.64
14	Madrid, Spain	187045	0.62	8999	4.81	40736	21.78	137310	73.41
15	Metropolitana, Chile	282535	0.93	8998	3.18	269784	95.49	3753	1.33

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AGGREGATED Data -- ORDERED BY RECOVERED Cases -- Data dated: 2020-09-20 :: 2020-09-20 13:02:26

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Number of Countries/Regions reported: 188
 Number of Cities/Provinces reported: 562
 Unique number of distinct geographical locations combined: 3945

	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active
1	Maharashtra, India	1167496	3.86	31791	2.72	834432	71.47	301273	25.81
2	Sao Paulo, Brazil	931673	3.08	33927	3.64	780448	83.77	117298	12.59
3	South Africa	659656	2.18	15940	2.42	589434	89.35	54282	8.23
4	Andhra Pradesh, India	609558	2.02	5244	0.86	519891	85.29	84423	13.85
5	Argentina	622934	2.06	12799	2.05	478077	76.75	132058	21.20
6	Tamil Nadu, India	530908	1.76	8685	1.64	475717	89.60	46506	8.76
7	Karnataka, India	502982	1.66	7808	1.55	394026	78.34	101148	20.11
8	Iran	419043	1.39	24118	5.76	357632	85.34	37293	8.90
9	Saudi Arabia	329271	1.09	4458	1.35	309430	93.97	15383	4.67
10	Bahia, Brazil	294210	0.97	6221	2.11	280351	95.29	7638	2.60
11	Uttar Pradesh, India	342788	1.13	4869	1.42	270094	78.79	67825	19.79
12	Metropolitana, Chile	282535	0.93	8998	3.18	269784	95.49	3753	1.33
13	Turkey	301348	1.00	7445	2.47	266117	88.31	27786	9.22
14	Bangladesh	347372	1.15	4913	1.41	254386	73.23	88073	25.35

Sep 20, 20 13:02

covid19-SummaryReport_2020-09-20.txt

Page 4/5

15	Iraq	315597	1.04	8491	2.69	249539	79.07	57567	18.24
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#####									
#### AGGREGATED Data -- ORDERED BY ACTIVE Cases -- Data dated: 2020-09-20 :: 2020-09-20 13:02:26									
#####									
Number of Countries/Regions reported: 188									
Number of Cities/Provinces reported: 562									
Unique number of distinct geographical locations combined: 3945									

	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active
1	Lima, Peru	349167	1.15	14009	4.01	0	0.00	335158	95.99
2	Maharashtra, India	1167496	3.86	31791	2.72	834432	71.47	301273	25.81
3	England, United Kingdom	336622	1.11	37076	11.01	0	0.00	299546	88.99
4	Los Angeles, California, US	259817	0.86	6330	2.44	0	0.00	253487	97.56
5	Miami-Dade, Florida, US	166516	0.55	3055	1.83	0	0.00	163461	98.17
6	Madrid, Spain	187045	0.62	8999	4.81	40736	21.78	137310	73.41
7	Maricopa, Arizona, US	139245	0.46	3245	2.33	0	0.00	136000	97.67
8	Cook, Illinois, US	138576	0.46	5157	3.72	0	0.00	133419	96.28
9	Argentina	622934	2.06	12799	2.05	478077	76.75	132058	21.20
10	Harris, Texas, US	123264	0.41	2498	2.03	0	0.00	120766	97.97
11	Sao Paulo, Brazil	931673	3.08	33927	3.64	780448	83.77	117298	12.59
12	Karnataka, India	502982	1.66	7808	1.55	394026	78.34	101148	20.11
13	Catalonia, Spain	128901	0.43	5797	4.50	26203	20.33	96901	75.17
14	Bangladesh	347372	1.15	4913	1.41	254386	73.23	88073	25.35
15	Andhra Pradesh, India	609558	2.02	5244	0.86	519891	85.29	84423	13.85
=====									
	Confirmed	Deaths	Recovered	Active					
Totals	30239443	923901	17673647	NA					
Average	7665.26	234.2	4480.01	NA					
Standard Deviation	41303.91	1394.32	32621.73	NA					
* Statistical estimators computed considering 3945 independent reported entries									

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

****	Time Series Worldwide TOTS ****								
	ts-confirmed	ts-deaths	ts-recovered						
	30777606	956976	21016801						
		3.11%	68.29%						
****	Time Series Worldwide AVGS ****								
	ts-confirmed	ts-deaths	ts-recovered						
	115705.29	3597.65	83070.36						
		3.11%	71.79%						
****	Time Series Worldwide SDS ****								
	ts-confirmed	ts-deaths	ts-recovered						
	607543.63	17018.79	410616.5						
		2.8%	67.59%						

Sep 20, 20 13:02

covid19–SummaryReport_2020–09–20.txt

Page 5/5

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