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## covid19-SummaryReport\_2020-04-16.txt

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```
#####
#### TS-CONFIRMED Cases -- Data dated: 2020-04-15 :: 2020-04-16 01:01:40
#####
Number of Countries/Regions reported: 185
Number of Cities/Provinces reported: 83
Unique number of distinct geographical locations combined: 264
```

Worldwide ts-confirmed Totals: 2056054

	Country.Region	Province.State	Totals	GlobalPerc	LastDayChange	t-2	t-3	t-7	t-14	t-30
1	US		636350	30.95	28680	27051	25306	32385	30390	1789
2	Spain		177644	8.64	5103	2442	3268	5002	7947	1806
3	Italy		165155	8.03	2667	2972	3153	4204	4668	3526
4	Germany		134753	6.55	3394	1287	2218	4885	6922	1985
5	France		133470	6.49	3217	-6526	4188	4799	2116	1019
6	United Kingdom		98476	4.79	4603	5252	4342	4344	4244	407
7	Iran		76389	3.72	1512	1574	1617	1634	2875	1178
8	Turkey		69392	3.38	4281	4062	4093	4056	2456	29
9	China	Hubei	67803	3.30	0	0	0	0	0	1
10	Belgium		33573	1.63	2454	530	942	1580	1384	185
11	Brazil		28320	1.38	3058	1832	1238	1922	1208	121
12	Netherlands		28153	1.37	734	868	964	1213	1083	292
13	Switzerland		26336	1.28	400	248	273	771	1059	500
14	Russia		24490	1.19	3388	2774	2558	1459	771	24
15	Portugal		18091	0.88	643	514	349	815	783	117

Global Perc. Average: 0.38 (sd: 2.15)

Global Perc. Average in top 15 : 5.57 (sd: 7.49)

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#####
#### TS-DEATHS Cases -- Data dated: 2020-04-15 :: 2020-04-16 01:01:40
#####
Number of Countries/Regions reported: 185
Number of Cities/Provinces reported: 83
Unique number of distinct geographical locations combined: 264
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Worldwide ts-deaths Totals: 134177

	Country.Region	Province.State	Totals	Perc	LastDayChange	t-2	t-3	t-7	t-14	t-30
1	US		28326	4.45	2494	2303	1509	1783	1169	23
2	Italy		21645	13.11	578	602	566	610	760	345
3	Spain		18708	10.53	652	300	547	655	961	191
4	France		17167	12.86	1438	762	574	1341	1355	0
5	United Kingdom		12868	13.07	761	778	717	881	569	0
6	Iran		4777	6.25	94	98	111	117	124	135
7	Belgium		4440	13.22	283	254	303	283	183	5
8	Germany		3804	2.82	510	100	172	258	187	7
9	China	Hubei	3222	4.75	1	0	2	2	6	12
10	Netherlands		3134	11.13	189	122	86	148	166	19
11	Brazil		1736	6.13	204	204	105	131	84	1
12	Turkey		1518	2.19	115	107	98	96	79	1
13	Switzerland		1239	4.70	65	36	32	53	48	13
14	Sweden		1203	10.09	170	114	20	106	69	1

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15 Portugal 599 3.31 32 32 31 29 22 1

Global Perc. Average: 3.57 (sd: 7.17)  
Global Perc. Average in top 15 : 7.91 (sd: 4.19)

#####  
##### TS-RECOVERED Cases -- Data dated: 2020-04-15 :: 2020-04-16 01:01:41  
#####  
Number of Countries/Regions reported: 185  
Number of Cities/Provinces reported: 68  
Unique number of distinct geographical locations combined: 250

Worldwide ts-recovered Totals: 511019

	Country.Region	Province.State	Totals	LastDayChange	t-2	t-3	t-7	t-14	t-30
1	Germany		72600	4400	3900	4000	6107	3740	0
2	Spain		70853	3349	2777	2336	4144	4096	498
3	China	Hubei	64402	39	25	57	45	145	861
4	US		52096	4333	4281	10494	1851	527	0
5	Iran		49933	1804	2146	2089	2497	1238	799
6	Italy		38092	962	1695	1224	1979	1431	192
7	France		30955	2150	1087	532	1952	1494	0
8	Switzerland		15400	1700	0	1000	800	1046	0
9	Brazil		14026	10980	2873	0	46	0	1
10	Canada		8966	756	452	635	1008	411	0
11	Austria		8098	465	290	356	728	313	-5
12	Korea, South		7616	82	87	79	197	261	270
13	Belgium		7107	239	161	244	483	363	0
14	Turkey		5674	875	842	511	296	82	0
15	Peru		3108	239	227	844	105	143	1

#####  
##### AGGREGATED Data -- ORDERED BY CONFIRMED Cases -- Data dated: 2020-04-15 :: 2020-04-16 01:01:41  
#####

Number of Countries/Regions reported: 185  
Number of Cities/Provinces reported: 138  
Unique number of distinct geographical locations combined: 3027

	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active
1	Spain	177644	8.64	18708	10.53	70853	39.88	88083	49.58
2	Italy	165155	8.03	21645	13.11	38092	23.06	105418	63.83
3	Germany	134753	6.55	3804	2.82	72600	53.88	58349	43.30
4	France	133470	6.49	17167	12.86	30955	23.19	85348	63.95
5	New York City, New York, US	118302	5.75	8455	7.15	0	0.00	109847	92.85
6	United Kingdom	98476	4.79	12868	13.07	0	0.00	85608	86.93
7	Iran	76389	3.72	4777	6.25	49933	65.37	21679	28.38
8	Turkey	69392	3.38	1518	2.19	5674	8.18	62200	89.64
9	Hubei, China	67803	3.30	3222	4.75	64402	94.98	179	0.26
10	Belgium	33573	1.63	4440	13.22	7107	21.17	22026	65.61

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11	Brazil	28320	1.38	1736	6.13	14026	49.53	12558	44.34
12	Netherlands	28153	1.37	3134	11.13	250	0.89	24769	87.98
13	Nassau, New York, US	26715	1.30	1057	3.96	0	0.00	25658	96.04
14	Switzerland	26336	1.28	1239	4.70	15400	58.48	9697	36.82
15	Russia	24490	1.19	198	0.81	1986	8.11	22306	91.08

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#### AGGREGATED Data -- ORDERED BY DEATHS Cases -- Data dated: 2020-04-15 :: 2020-04-16 01:01:41

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Number of Countries/Regions reported: 185  
 Number of Cities/Provinces reported: 138  
 Unique number of distinct geographical locations combined: 3027

	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active
1	Italy	165155	8.03	21645	13.11	38092	23.06	105418	63.83
2	Spain	177644	8.64	18708	10.53	70853	39.88	88083	49.58
3	France	133470	6.49	17167	12.86	30955	23.19	85348	63.95
4	United Kingdom	98476	4.79	12868	13.07	0	0.00	85608	86.93
5	New York City, New York, US	118302	5.75	8455	7.15	0	0.00	109847	92.85
6	Iran	76389	3.72	4777	6.25	49933	65.37	21679	28.38
7	Belgium	33573	1.63	4440	13.22	7107	21.17	22026	65.61
8	Germany	134753	6.55	3804	2.82	72600	53.88	58349	43.30
9	Hubei, China	67803	3.30	3222	4.75	64402	94.98	179	0.26
10	Netherlands	28153	1.37	3134	11.13	250	0.89	24769	87.98
11	Brazil	28320	1.38	1736	6.13	14026	49.53	12558	44.34
12	Turkey	69392	3.38	1518	2.19	5674	8.18	62200	89.64
13	Switzerland	26336	1.28	1239	4.70	15400	58.48	9697	36.82
14	Sweden	11927	0.58	1203	10.09	381	3.19	10343	86.72
15	Nassau, New York, US	26715	1.30	1057	3.96	0	0.00	25658	96.04

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#### AGGREGATED Data -- ORDERED BY RECOVERED Cases -- Data dated: 2020-04-15 :: 2020-04-16 01:01:41

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Number of Countries/Regions reported: 185  
 Number of Cities/Provinces reported: 138  
 Unique number of distinct geographical locations combined: 3027

	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active
1	Germany	134753	6.55	3804	2.82	72600	53.88	58349	43.30
2	Spain	177644	8.64	18708	10.53	70853	39.88	88083	49.58
3	Hubei, China	67803	3.30	3222	4.75	64402	94.98	179	0.26
4	Recovered, US	0	0.00	0	NaN	52096	Inf	-52096	-Inf
5	Iran	76389	3.72	4777	6.25	49933	65.37	21679	28.38
6	Italy	165155	8.03	21645	13.11	38092	23.06	105418	63.83
7	France	133470	6.49	17167	12.86	30955	23.19	85348	63.95
8	Switzerland	26336	1.28	1239	4.70	15400	58.48	9697	36.82
9	Brazil	28320	1.38	1736	6.13	14026	49.53	12558	44.34
10	Recovered, Canada	0	0.00	0	NaN	8966	Inf	-8966	-Inf
11	Austria	14336	0.70	393	2.74	8098	56.49	5845	40.77
12	Korea, South	10591	0.52	225	2.12	7616	71.91	2750	25.97

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13	Belgium	33573	1.63	4440	13.22	7107	21.17	22026	65.61
14	Turkey	69392	3.38	1518	2.19	5674	8.18	62200	89.64
15	Peru	11475	0.56	254	2.21	3108	27.08	8113	70.70

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#####
#### AGGREGATED Data -- ORDERED BY ACTIVE Cases -- Data dated: 2020-04-15 :: 2020-04-16 01:01:41
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Number of Countries/Regions reported: 185  
 Number of Cities/Provinces reported: 138  
 Unique number of distinct geographical locations combined: 3027

	Location	Confirmed	Perc.Confirmed	Deaths	Perc.Deaths	Recovered	Perc.Recovered	Active	Perc.Active
1	New York City, New York, US	118302	5.75	8455	7.15	0	0.00	109847	92.85
2	Italy	165155	8.03	21645	13.11	38092	23.06	105418	63.83
3	Spain	177644	8.64	18708	10.53	70853	39.88	88083	49.58
4	United Kingdom	98476	4.79	12868	13.07	0	0.00	85608	86.93
5	France	133470	6.49	17167	12.86	30955	23.19	85348	63.95
6	Turkey	69392	3.38	1518	2.19	5674	8.18	62200	89.64
7	Germany	134753	6.55	3804	2.82	72600	53.88	58349	43.30
8	Nassau, New York, US	26715	1.30	1057	3.96	0	0.00	25658	96.04
9	Netherlands	28153	1.37	3134	11.13	250	0.89	24769	87.98
10	Suffolk, New York, US	23523	1.14	653	2.78	0	0.00	22870	97.22
11	Russia	24490	1.19	198	0.81	1986	8.11	22306	91.08
12	Belgium	33573	1.63	4440	13.22	7107	21.17	22026	65.61
13	Iran	76389	3.72	4777	6.25	49933	65.37	21679	28.38
14	Westchester, New York, US	20947	1.02	640	3.06	0	0.00	20307	96.94
15	Portugal	18091	0.88	599	3.31	383	2.12	17109	94.57

	Confirmed	Deaths	Recovered	Active
Totals	2056055	134178	511019	1410858
Average	679.24	44.33	168.82	466.09
Standard Deviation	6861.12	689.47	2743.16	4534.63

\* Statistical estimators computed considering 3027 independent reported entries

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*****
***** OVERALL SUMMARY*****
*****
**** Time Series TOTS ****
      ts-confirmed  ts-deaths  ts-recovered
      2056054      134177  511019
              6.53%          24.85%

**** Time Series AVGS ****
      ts-confirmed  ts-deaths  ts-recovered
      7788.08      508.25  2044.08
              6.53%          26.25%

**** Time Series SDS ****
      ts-confirmed  ts-deaths  ts-recovered
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44263.15	2826.62	9359.42
	6.39%	21.14%

\* Statistical estimators computed considering 250 independent reported entries  
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