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```
#####
#### TS-CONFIRMED Cases -- Data dated: 2020-11-19 :: 2020-11-20 13:02:29
#####
Number of Countries/Regions reported: 191
Number of Cities/Provinces reported: 82
Unique number of distinct geographical locations combined: 269
```

Worldwide ts-confirmed Totals: 56898415

| | Country.Region | Province.State | Totals | GlobalPerc | LastDayChange | t-2 | t-3 | t-7 | t-14 | t-30 |
|----|----------------|----------------|----------|------------|---------------|--------|--------|--------|--------|-------|
| 1 | US | | 11715316 | 20.59 | 187833 | 170161 | 161934 | 177224 | 124955 | 62883 |
| 2 | India | | 9004365 | 15.83 | 45882 | 45576 | 38617 | 44684 | 50356 | 55839 |
| 3 | Brazil | | 5981767 | 10.51 | 35918 | 34091 | 35294 | 29070 | 41156 | 24818 |
| 4 | France | | 2087176 | 3.67 | 21130 | 27996 | 45498 | 23620 | 60232 | 26304 |
| 5 | Russia | | 1998966 | 3.51 | 23337 | 20717 | 22201 | 21717 | 20368 | 15444 |
| 6 | Spain | | 1541574 | 2.71 | 16233 | 15318 | 13159 | 21371 | 22516 | 16973 |
| 7 | United Kingdom | | 1453256 | 2.55 | 22915 | 19609 | 20051 | 27301 | 23287 | 26687 |
| 8 | Argentina | | 1349434 | 2.37 | 10097 | 10332 | 10621 | 11859 | 11786 | 18326 |
| 9 | Italy | | 1308528 | 2.30 | 36176 | 34280 | 32191 | 40902 | 37802 | 15199 |
| 10 | Colombia | | 1225490 | 2.15 | 7487 | 6875 | 5911 | 8685 | 9756 | 7561 |
| 11 | Mexico | | 1019543 | 1.79 | 4472 | 3918 | 1757 | 5558 | 5931 | 6845 |
| 12 | Peru | | 939931 | 1.65 | 0 | 1663 | 1257 | 2231 | 0 | 3242 |
| 13 | Germany | | 891525 | 1.57 | 24041 | 23727 | 26231 | 22261 | 22820 | 12331 |
| 14 | Iran | | 815117 | 1.43 | 13223 | 13421 | 13352 | 11737 | 8864 | 5616 |
| 15 | Poland | | 796798 | 1.40 | 23975 | 19883 | 19152 | 24051 | 27086 | 10040 |

Global Perc. Average: 0.37 (sd: 1.76)

Global Perc. Average in top 15 : 4.94 (sd: 5.9)

```
#####
#### TS-DEATHS Cases -- Data dated: 2020-11-19 :: 2020-11-20 13:02:29
#####
Number of Countries/Regions reported: 191
Number of Cities/Provinces reported: 82
Unique number of distinct geographical locations combined: 269
```

Worldwide ts-deaths Totals: 1360381

| | Country.Region | Province.State | Totals | Perc | LastDayChange | t-2 | t-3 | t-7 | t-14 | t-30 |
|----|----------------|----------------|--------|------|---------------|------|------|------|------|------|
| 1 | US | | 252535 | 2.16 | 2015 | 1848 | 1707 | 1138 | 1130 | 1117 |
| 2 | Brazil | | 168061 | 2.81 | 606 | 756 | 685 | 456 | 909 | 566 |
| 3 | India | | 132162 | 1.47 | 584 | 585 | 474 | 520 | 577 | 702 |
| 4 | Mexico | | 100104 | 9.82 | 576 | 502 | 165 | 568 | 551 | 522 |
| 5 | United Kingdom | | 53775 | 3.70 | 501 | 529 | 598 | 376 | 355 | 191 |
| 6 | Italy | | 47870 | 3.66 | 653 | 753 | 731 | 550 | 446 | 127 |
| 7 | France | | 46795 | 2.24 | 429 | 420 | 1215 | 932 | 827 | 141 |
| 8 | Iran | | 43417 | 5.33 | 476 | 480 | 482 | 461 | 424 | 312 |
| 9 | Spain | | 42291 | 2.74 | 252 | 351 | 435 | 308 | 347 | 156 |
| 10 | Argentina | | 36532 | 2.71 | 185 | 241 | 379 | 263 | 370 | 419 |
| 11 | Peru | | 35317 | 3.76 | 0 | 46 | 40 | 36 | 0 | 55 |
| 12 | Colombia | | 34761 | 2.84 | 198 | 182 | 158 | 178 | 196 | 192 |
| 13 | Russia | | 34525 | 1.73 | 457 | 449 | 435 | 401 | 369 | 313 |
| 14 | South Africa | | 20671 | 2.72 | 115 | 124 | 118 | 77 | 72 | 85 |

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15 Indonesia 15600 3.23 97 110 97 104 94 123

```
#####
#### TS-RECOVERED Cases -- Data dated: 2020-11-19 :: 2020-11-20 13:02:30
#####
Number of Countries/Regions reported: 191
Number of Cities/Provinces reported: 68
Unique number of distinct geographical locations combined: 256
```

Worldwide ts-recovered Totals: 36519821

| | Country.Region | Province.State | Totals | LastDayChange | t-2 | t-3 | t-7 | t-14 | t-30 |
|----|----------------|----------------|---------|---------------|-------|-------|-------|-------|-------|
| 1 | India | | 8428409 | 44807 | 48493 | 44739 | 47992 | 53920 | 79415 |
| 2 | Brazil | | 5406066 | 22681 | 25086 | 22801 | 20355 | 39994 | 0 |
| 3 | US | | 4410709 | 59920 | 57149 | 48829 | 43890 | 29040 | 28206 |
| 4 | Russia | | 1514945 | 25052 | 24842 | 21658 | 18388 | 16747 | 10803 |
| 5 | Argentina | | 1167514 | 11040 | 7641 | 8637 | 10297 | 12100 | 10873 |
| 6 | Colombia | | 1132393 | 7209 | 6282 | 7035 | 7649 | 9097 | 8164 |
| 7 | Peru | | 871534 | 4228 | 0 | 1958 | 2815 | 0 | 0 |
| 8 | Mexico | | 766361 | 4336 | 4074 | 3751 | 5143 | 3493 | 3303 |
| 9 | South Africa | | 702544 | 1010 | 4714 | 1324 | 1274 | 4014 | 2138 |
| 10 | Iran | | 583704 | 6721 | 6209 | 6075 | 5076 | 4665 | 4033 |
| 11 | Germany | | 570961 | 16689 | 16925 | 15034 | 13705 | 11193 | 4430 |
| 12 | Chile | | 511874 | 1108 | 1365 | 1334 | 1065 | 1053 | 626 |
| 13 | Italy | | 498987 | 17020 | 24169 | 15434 | 11480 | 10586 | 2369 |
| 14 | Iraq | | 457490 | 2314 | 2151 | 3460 | 2628 | 3060 | 2876 |
| 15 | Indonesia | | 406612 | 4265 | 3711 | 3193 | 3010 | 3563 | 3856 |

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#####
#### AGGREGATED Data -- ORDERED BY CONFIRMED Cases -- Data dated: 2020-11-20 :: 2020-11-20 13:02:30
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Number of Countries/Regions reported: 191
Number of Cities/Provinces reported: 571
Unique number of distinct geographical locations combined: 3964

| | Location | Confirmed | Perc.Confirmed | Deaths | Perc.Deaths | Recovered | Perc.Recovered | Active | Perc.Active |
|----|-------------------------|-----------|----------------|--------|-------------|-----------|----------------|---------|-------------|
| 1 | France | 2087176 | 3.68 | 46795 | 2.24 | 126342 | 6.05 | 1914039 | 91.70 |
| 2 | Maharashtra, India | 1763055 | 3.11 | 46356 | 2.63 | 1635971 | 92.79 | 80728 | 4.58 |
| 3 | Argentina | 1349434 | 2.38 | 36532 | 2.71 | 1167514 | 86.52 | 145388 | 10.77 |
| 4 | England, United Kingdom | 1249431 | 2.20 | 47140 | 3.77 | 0 | 0.00 | 1202291 | 96.23 |
| 5 | Sao Paulo, Brazil | 1191290 | 2.10 | 41074 | 3.45 | 1076073 | 90.33 | 74143 | 6.22 |
| 6 | Karnataka, India | 867780 | 1.53 | 11604 | 1.34 | 830988 | 95.76 | 25188 | 2.90 |
| 7 | Andhra Pradesh, India | 858711 | 1.51 | 6910 | 0.80 | 835801 | 97.33 | 16000 | 1.86 |
| 8 | Iran | 815117 | 1.44 | 43417 | 5.33 | 583704 | 71.61 | 187996 | 23.06 |
| 9 | Poland | 796798 | 1.40 | 12088 | 1.52 | 361886 | 45.42 | 422824 | 53.07 |
| 10 | Tamil Nadu, India | 764989 | 1.35 | 11550 | 1.51 | 739532 | 96.67 | 13907 | 1.82 |
| 11 | South Africa | 759658 | 1.34 | 20671 | 2.72 | 702544 | 92.48 | 36443 | 4.80 |
| 12 | Kerala, India | 545641 | 0.96 | 1969 | 0.36 | 475320 | 87.11 | 68352 | 12.53 |

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| | | | | | | | | | |
|----|----------------------|--------|------|-------|------|--------|-------|--------|-------|
| 13 | Moscow, Russia | 533068 | 0.94 | 8082 | 1.52 | 388416 | 72.86 | 136570 | 25.62 |
| 14 | Iraq | 529226 | 0.93 | 11834 | 2.24 | 457490 | 86.45 | 59902 | 11.32 |
| 15 | Uttar Pradesh, India | 519148 | 0.91 | 7480 | 1.44 | 488911 | 94.18 | 22757 | 4.38 |

#####

AGGREGATED Data -- ORDERED BY DEATHS Cases -- Data dated: 2020-11-20 :: 2020-11-20 13:02:30

#####

Number of Countries/Regions reported: 191
 Number of Cities/Provinces reported: 571
 Unique number of distinct geographical locations combined: 3964

| | Location | Confirmed | Perc.Confirmed | Deaths | Perc.Deaths | Recovered | Perc.Recovered | Active | Perc.Active |
|----|--------------------------|-----------|----------------|--------|-------------|-----------|----------------|---------|-------------|
| 1 | England, United Kingdom | 1249431 | 2.20 | 47140 | 3.77 | 0 | 0.00 | 1202291 | 96.23 |
| 2 | France | 2087176 | 3.68 | 46795 | 2.24 | 126342 | 6.05 | 1914039 | 91.70 |
| 3 | Maharashtra, India | 1763055 | 3.11 | 46356 | 2.63 | 1635971 | 92.79 | 80728 | 4.58 |
| 4 | Iran | 815117 | 1.44 | 43417 | 5.33 | 583704 | 71.61 | 187996 | 23.06 |
| 5 | Sao Paulo, Brazil | 1191290 | 2.10 | 41074 | 3.45 | 1076073 | 90.33 | 74143 | 6.22 |
| 6 | Argentina | 1349434 | 2.38 | 36532 | 2.71 | 1167514 | 86.52 | 145388 | 10.77 |
| 7 | Rio de Janeiro, Brazil | 334514 | 0.59 | 21806 | 6.52 | 306463 | 91.61 | 6245 | 1.87 |
| 8 | South Africa | 759658 | 1.34 | 20671 | 2.72 | 702544 | 92.48 | 36443 | 4.80 |
| 9 | Lombardia, Italy | 348442 | 0.61 | 20015 | 5.74 | 172847 | 49.61 | 155580 | 44.65 |
| 10 | Lima, Peru | 421470 | 0.74 | 15862 | 3.76 | 0 | 0.00 | 405608 | 96.24 |
| 11 | Indonesia | 483518 | 0.85 | 15600 | 3.23 | 406612 | 84.09 | 61306 | 12.68 |
| 12 | Mexico, Mexico | 104068 | 0.18 | 14982 | 14.40 | 0 | 0.00 | 89086 | 85.60 |
| 13 | Ecuador | 183246 | 0.32 | 13073 | 7.13 | 160639 | 87.66 | 9534 | 5.20 |
| 14 | Ciudad de Mexico, Mexico | 183253 | 0.32 | 12836 | 7.00 | 0 | 0.00 | 170417 | 93.00 |
| 15 | Poland | 796798 | 1.40 | 12088 | 1.52 | 361886 | 45.42 | 422824 | 53.07 |

#####

AGGREGATED Data -- ORDERED BY RECOVERED Cases -- Data dated: 2020-11-20 :: 2020-11-20 13:02:30

#####

Number of Countries/Regions reported: 191
 Number of Cities/Provinces reported: 571
 Unique number of distinct geographical locations combined: 3964

| | Location | Confirmed | Perc.Confirmed | Deaths | Perc.Deaths | Recovered | Perc.Recovered | Active | Perc.Active |
|----|-----------------------|-----------|----------------|--------|-------------|-----------|----------------|--------|-------------|
| 1 | Maharashtra, India | 1763055 | 3.11 | 46356 | 2.63 | 1635971 | 92.79 | 80728 | 4.58 |
| 2 | Argentina | 1349434 | 2.38 | 36532 | 2.71 | 1167514 | 86.52 | 145388 | 10.77 |
| 3 | Sao Paulo, Brazil | 1191290 | 2.10 | 41074 | 3.45 | 1076073 | 90.33 | 74143 | 6.22 |
| 4 | Andhra Pradesh, India | 858711 | 1.51 | 6910 | 0.80 | 835801 | 97.33 | 16000 | 1.86 |
| 5 | Karnataka, India | 867780 | 1.53 | 11604 | 1.34 | 830988 | 95.76 | 25188 | 2.90 |
| 6 | Tamil Nadu, India | 764989 | 1.35 | 11550 | 1.51 | 739532 | 96.67 | 13907 | 1.82 |
| 7 | South Africa | 759658 | 1.34 | 20671 | 2.72 | 702544 | 92.48 | 36443 | 4.80 |
| 8 | Iran | 815117 | 1.44 | 43417 | 5.33 | 583704 | 71.61 | 187996 | 23.06 |
| 9 | Uttar Pradesh, India | 519148 | 0.91 | 7480 | 1.44 | 488911 | 94.18 | 22757 | 4.38 |
| 10 | Kerala, India | 545641 | 0.96 | 1969 | 0.36 | 475320 | 87.11 | 68352 | 12.53 |
| 11 | Delhi, India | 510630 | 0.90 | 8041 | 1.57 | 459368 | 89.96 | 43221 | 8.46 |
| 12 | Iraq | 529226 | 0.93 | 11834 | 2.24 | 457490 | 86.45 | 59902 | 11.32 |
| 13 | West Bengal, India | 445505 | 0.78 | 7873 | 1.77 | 411759 | 92.43 | 25873 | 5.81 |
| 14 | Indonesia | 483518 | 0.85 | 15600 | 3.23 | 406612 | 84.09 | 61306 | 12.68 |

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| | | | | | | | | | | | | | | | |
|--|---------------------------------|-----------|----------------|--------|-------------|-----------|----------------|---------|-------------|--|--|--|--|--|--|
| 15 | Moscow, Russia | 533068 | 0.94 | 8082 | 1.52 | 388416 | 72.86 | 136570 | 25.62 | | | | | | |
| ===== | | | | | | | | | | | | | | | |
| ##### | | | | | | | | | | | | | | | |
| #### AGGREGATED Data -- ORDERED BY ACTIVE Cases -- Data dated: 2020-11-20 :: 2020-11-20 13:02:30 | | | | | | | | | | | | | | | |
| ##### | | | | | | | | | | | | | | | |
| Number of Countries/Regions reported: 191 | | | | | | | | | | | | | | | |
| Number of Cities/Provinces reported: 571 | | | | | | | | | | | | | | | |
| Unique number of distinct geographical locations combined: 3964 | | | | | | | | | | | | | | | |
| ----- | | | | | | | | | | | | | | | |
| | Location | Confirmed | Perc.Confirmed | Deaths | Perc.Deaths | Recovered | Perc.Recovered | Active | Perc.Active | | | | | | |
| 1 | France | 2087176 | 3.68 | 46795 | 2.24 | 126342 | 6.05 | 1914039 | 91.70 | | | | | | |
| 2 | England, United Kingdom | 1249431 | 2.20 | 47140 | 3.77 | 0 | 0.00 | 1202291 | 96.23 | | | | | | |
| 3 | Poland | 796798 | 1.40 | 12088 | 1.52 | 361886 | 45.42 | 422824 | 53.07 | | | | | | |
| 4 | Lima, Peru | 421470 | 0.74 | 15862 | 3.76 | 0 | 0.00 | 405608 | 96.24 | | | | | | |
| 5 | Los Angeles, California, US | 353232 | 0.62 | 7363 | 2.08 | 0 | 0.00 | 345869 | 97.92 | | | | | | |
| 6 | Madrid, Spain | 337999 | 0.60 | 11181 | 3.31 | 40736 | 12.05 | 286082 | 84.64 | | | | | | |
| 7 | Cook, Illinois, US | 268284 | 0.47 | 6148 | 2.29 | 0 | 0.00 | 262136 | 97.71 | | | | | | |
| 8 | Catalonia, Spain | 290182 | 0.51 | 7450 | 2.57 | 26203 | 9.03 | 256529 | 88.40 | | | | | | |
| 9 | Miami-Dade, Florida, US | 209166 | 0.37 | 3738 | 1.79 | 0 | 0.00 | 205428 | 98.21 | | | | | | |
| 10 | Andalusia, Spain | 208674 | 0.37 | 3472 | 1.66 | 10671 | 5.11 | 194531 | 93.22 | | | | | | |
| 11 | Iran | 815117 | 1.44 | 43417 | 5.33 | 583704 | 71.61 | 187996 | 23.06 | | | | | | |
| 12 | Maricopa, Arizona, US | 183177 | 0.32 | 3850 | 2.10 | 0 | 0.00 | 179327 | 97.90 | | | | | | |
| 13 | Harris, Texas, US | 178811 | 0.31 | 2943 | 1.65 | 0 | 0.00 | 175868 | 98.35 | | | | | | |
| 14 | Ciudad de Mexico, Mexico | 183253 | 0.32 | 12836 | 7.00 | 0 | 0.00 | 170417 | 93.00 | | | | | | |
| 15 | Lombardia, Italy | 348442 | 0.61 | 20015 | 5.74 | 172847 | 49.61 | 155580 | 44.65 | | | | | | |
| ===== | | | | | | | | | | | | | | | |
| | Confirmed | Deaths | Recovered | Active | | | | | | | | | | | |
| Totals | 56767869 | 1342199 | 30352230 | NA | | | | | | | | | | | |
| Average | 14320.85 | 338.6 | 7656.97 | NA | | | | | | | | | | | |
| Standard Deviation | 76020.91 | 2076.42 | 56037.35 | NA | | | | | | | | | | | |
| * Statistical estimators computed considering 3964 independent reported entries | | | | | | | | | | | | | | | |
| ***** | | | | | | | | | | | | | | | |
| ***** OVERALL SUMMARY***** | | | | | | | | | | | | | | | |
| ***** | | | | | | | | | | | | | | | |
| **** | Time Series Worldwide TOTS **** | | | | | | | | | | | | | | |
| | ts-confirmed | ts-deaths | ts-recovered | | | | | | | | | | | | |
| | 56898415 | 1360381 | 36519821 | | | | | | | | | | | | |
| | 2.39% | 64.18% | | | | | | | | | | | | | |
| **** | Time Series Worldwide AVGS **** | | | | | | | | | | | | | | |
| | ts-confirmed | ts-deaths | ts-recovered | | | | | | | | | | | | |
| | 211518.27 | 5057.18 | 142655.55 | | | | | | | | | | | | |
| | 2.39% | 67.44% | | | | | | | | | | | | | |
| **** | Time Series Worldwide SDS **** | | | | | | | | | | | | | | |
| | ts-confirmed | ts-deaths | ts-recovered | | | | | | | | | | | | |
| | 1000929.63 | 22154.42 | 699034.38 | | | | | | | | | | | | |
| | 2.21% | 69.84% | | | | | | | | | | | | | |

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* Statistical estimators computed considering 269/269/256 independent reported entries per case-type
