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covid19-SummaryReport_2020-12-24.txt

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```
#####
#### TS-CONFIRMED Cases -- Data dated: 2020-12-23 :: 2020-12-24 01:02:35
#####
Number of Countries/Regions reported: 191
Number of Cities/Provinces reported: 84
Unique number of distinct geographical locations combined: 271
```

Worldwide ts-confirmed Totals: 78704434

| | Country.Region | Province.State | Totals | GlobalPerc | LastDayChange | t-2 | t-3 | t-7 | t-14 | t-30 |
|----|----------------|----------------|----------|------------|---------------|--------|--------|--------|--------|--------|
| 1 | US | | 18458373 | 23.45 | 228131 | 195033 | 190519 | 236211 | 226684 | 174397 |
| 2 | India | | 10123778 | 12.86 | 24712 | 23950 | 19556 | 22890 | 29373 | 44376 |
| 3 | Brazil | | 7365517 | 9.36 | 46696 | 55202 | 25019 | 69826 | 53347 | 31100 |
| 4 | Russia | | 2905196 | 3.69 | 26814 | 28340 | 28917 | 27787 | 27562 | 24087 |
| 5 | France | | 2503693 | 3.18 | 14804 | 11634 | 5797 | 18080 | 13294 | 8853 |
| 6 | United Kingdom | | 2149551 | 2.73 | 39237 | 36803 | 33364 | 35383 | 20964 | 11299 |
| 7 | Turkey | | 2082610 | 2.65 | 19650 | 19256 | 19103 | 27515 | 823225 | 7381 |
| 8 | Italy | | 1991278 | 2.53 | 13908 | 13316 | 10869 | 18233 | 16998 | 23227 |
| 9 | Spain | | 1842289 | 2.34 | 12386 | 10654 | 22013 | 12131 | 7955 | 12228 |
| 10 | Germany | | 1604129 | 2.04 | 33758 | 36153 | 19256 | 30179 | 32734 | 16370 |
| 11 | Argentina | | 1563865 | 1.99 | 8586 | 8141 | 5853 | 7326 | 6994 | 7164 |
| 12 | Colombia | | 1544826 | 1.96 | 14233 | 12526 | 10845 | 12196 | 7778 | 7515 |
| 13 | Mexico | | 1350079 | 1.72 | 11653 | 12511 | 5370 | 11799 | 11897 | 10794 |
| 14 | Poland | | 1226883 | 1.56 | 12358 | 7192 | 4633 | 11953 | 13750 | 32733 |
| 15 | Iran | | 1177004 | 1.50 | 6261 | 6208 | 6151 | 7453 | 10403 | 13721 |

Global Perc. Average: 0.37 (sd: 1.77)

Global Perc. Average in top 15 : 4.9 (sd: 6.05)

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#####
#### TS-DEATHS Cases -- Data dated: 2020-12-23 :: 2020-12-24 01:02:35
#####
Number of Countries/Regions reported: 191
Number of Cities/Provinces reported: 84
Unique number of distinct geographical locations combined: 271
```

Worldwide ts-deaths Totals: 1730663

| | Country.Region | Province.State | Totals | Perc | LastDayChange | t-2 | t-3 | t-7 | t-14 | t-30 |
|----|----------------|----------------|--------|------|---------------|------|------|------|------|------|
| 1 | US | | 326124 | 1.77 | 3359 | 3401 | 1696 | 3346 | 2920 | 2126 |
| 2 | Brazil | | 189220 | 2.57 | 961 | 968 | 527 | 1092 | 770 | 630 |
| 3 | India | | 146756 | 1.45 | 312 | 333 | 301 | 338 | 413 | 481 |
| 4 | Mexico | | 120311 | 8.91 | 816 | 897 | 396 | 718 | 671 | 813 |
| 5 | Italy | | 70395 | 3.54 | 553 | 628 | 415 | 683 | 887 | 853 |
| 6 | United Kingdom | | 69051 | 3.21 | 744 | 691 | 215 | 532 | 516 | 608 |
| 7 | France | | 61614 | 2.46 | 275 | 802 | 351 | 258 | 290 | 1004 |
| 8 | Iran | | 54156 | 4.60 | 153 | 187 | 191 | 212 | 284 | 483 |
| 9 | Russia | | 51810 | 1.78 | 536 | 551 | 481 | 574 | 549 | 483 |
| 10 | Spain | | 49698 | 2.70 | 178 | 260 | 334 | 181 | 325 | 537 |
| 11 | Argentina | | 42314 | 2.71 | 60 | 257 | 184 | 169 | 209 | 310 |
| 12 | Colombia | | 41174 | 2.67 | 243 | 251 | 205 | 227 | 176 | 198 |
| 13 | Peru | | 37218 | 3.72 | 45 | 70 | 69 | 104 | 98 | 46 |
| 14 | Germany | | 28909 | 1.80 | 813 | 986 | 710 | 754 | 604 | 372 |

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15 Poland 26255 2.14 472 309 77 431 470 540

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#####
#### TS-RECOVERED Cases -- Data dated: 2020-12-23 :: 2020-12-24 01:02:36
#####
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: 44323101

| | Country.Region | Province.State | Totals | LastDayChange | t-2 | t-3 | t-7 | t-14 | t-30 |
|----|----------------|----------------|---------|---------------|-------|-------|-------|-------|-------|
| 1 | India | | 9693173 | 29791 | 26895 | 30376 | 31087 | 37503 | 37816 |
| 2 | Brazil | | 6512717 | 11376 | 32031 | 60793 | 62355 | 77101 | 28461 |
| 3 | Russia | | 2321362 | 24073 | 23779 | 19684 | 25854 | 25427 | 22742 |
| 4 | Turkey | | 1901307 | 34492 | 32110 | 34419 | 30494 | 5232 | 3678 |
| 5 | Colombia | | 1404168 | 9794 | 12034 | 9008 | 7653 | 8823 | 8960 |
| 6 | Argentina | | 1384277 | 4551 | 5325 | 6055 | 4642 | 6699 | 6834 |
| 7 | Italy | | 1322067 | 20494 | 20315 | 19632 | 27913 | 30099 | 20837 |
| 8 | Germany | | 1197472 | 26028 | 23501 | 24218 | 22467 | 20641 | 18695 |
| 9 | Mexico | | 1005248 | 8946 | 8974 | 9326 | 8089 | 6962 | 6823 |
| 10 | Poland | | 965178 | 10906 | 8255 | 7748 | 10699 | 23878 | 15849 |
| 11 | Peru | | 936182 | 0 | 3887 | 1885 | 0 | 1388 | 3161 |
| 12 | Iran | | 914194 | 10196 | 9632 | 9312 | 12083 | 12528 | 7309 |
| 13 | South Africa | | 811372 | 3131 | 11895 | 2432 | 5728 | 2013 | 5249 |
| 14 | Ukraine | | 638265 | 15746 | 14399 | 5127 | 13525 | 14353 | 8782 |
| 15 | Chile | | 561794 | 1949 | 1932 | 1957 | 1348 | 1117 | 1310 |

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#### AGGREGATED Data -- ORDERED BY CONFIRMED Cases -- Data dated: 2020-12-24 :: 2020-12-24 01:02:36
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Number of Countries/Regions reported: 191
Number of Cities/Provinces reported: 575
Unique number of distinct geographical locations combined: 3966

| | Location | Confirmed | Perc.Confirmed | Deaths | Perc.Deaths | Recovered | Perc.Recovered | Active | Perc.Active |
|----|-------------------------|-----------|----------------|--------|-------------|-----------|----------------|---------|-------------|
| 1 | France | 2503693 | 3.18 | 61614 | 2.46 | 163754 | 6.54 | 2278325 | 91.00 |
| 2 | Turkey | 2082610 | 2.65 | 18861 | 0.91 | 1901307 | 91.29 | 162442 | 7.80 |
| 3 | Maharashtra, India | 1906371 | 2.42 | 48969 | 2.57 | 1801700 | 94.51 | 55702 | 2.92 |
| 4 | England, United Kingdom | 1839170 | 2.34 | 60238 | 3.28 | 0 | 0.00 | 1778932 | 96.72 |
| 5 | Argentina | 1563865 | 1.99 | 42314 | 2.71 | 1384277 | 88.52 | 137274 | 8.78 |
| 6 | Sao Paulo, Brazil | 1409140 | 1.79 | 45576 | 3.23 | 1222776 | 86.77 | 140788 | 9.99 |
| 7 | Poland | 1226883 | 1.56 | 26255 | 2.14 | 965178 | 78.67 | 235450 | 19.19 |
| 8 | Iran | 1177004 | 1.50 | 54156 | 4.60 | 914194 | 77.67 | 208654 | 17.73 |
| 9 | South Africa | 954258 | 1.21 | 25657 | 2.69 | 811372 | 85.03 | 117229 | 12.28 |
| 10 | Karnataka, India | 912340 | 1.16 | 12038 | 1.32 | 886547 | 97.17 | 13755 | 1.51 |
| 11 | Andhra Pradesh, India | 879718 | 1.12 | 7085 | 0.81 | 868769 | 98.76 | 3864 | 0.44 |
| 12 | Tamil Nadu, India | 810080 | 1.03 | 12024 | 1.48 | 788742 | 97.37 | 9314 | 1.15 |

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| | | | | | | | | | |
|----|----------------|--------|------|-------|------|--------|-------|--------|-------|
| 13 | Moscow, Russia | 756586 | 0.96 | 10613 | 1.40 | 582772 | 77.03 | 163201 | 21.57 |
| 14 | Kerala, India | 721510 | 0.92 | 2892 | 0.40 | 655644 | 90.87 | 62974 | 8.73 |
| 15 | Indonesia | 685639 | 0.87 | 20408 | 2.98 | 558703 | 81.49 | 106528 | 15.54 |

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AGGREGATED Data -- ORDERED BY DEATHS Cases -- Data dated: 2020-12-24 :: 2020-12-24 01:02:36

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Number of Countries/Regions reported: 191
 Number of Cities/Provinces reported: 575
 Unique number of distinct geographical locations combined: 3966

| | Location | Confirmed | Perc.Confirmed | Deaths | Perc.Deaths | Recovered | Perc.Recovered | Active | Perc.Active |
|----|--------------------------|-----------|----------------|--------|-------------|-----------|----------------|---------|-------------|
| 1 | France | 2503693 | 3.18 | 61614 | 2.46 | 163754 | 6.54 | 2278325 | 91.00 |
| 2 | England, United Kingdom | 1839170 | 2.34 | 60238 | 3.28 | 0 | 0.00 | 1778932 | 96.72 |
| 3 | Iran | 1177004 | 1.50 | 54156 | 4.60 | 914194 | 77.67 | 208654 | 17.73 |
| 4 | Maharashtra, India | 1906371 | 2.42 | 48969 | 2.57 | 1801700 | 94.51 | 55702 | 2.92 |
| 5 | Sao Paulo, Brazil | 1409140 | 1.79 | 45576 | 3.23 | 1222776 | 86.77 | 140788 | 9.99 |
| 6 | Argentina | 1563865 | 1.99 | 42314 | 2.71 | 1384277 | 88.52 | 137274 | 8.78 |
| 7 | Poland | 1226883 | 1.56 | 26255 | 2.14 | 965178 | 78.67 | 235450 | 19.19 |
| 8 | South Africa | 954258 | 1.21 | 25657 | 2.69 | 811372 | 85.03 | 117229 | 12.28 |
| 9 | Rio de Janeiro, Brazil | 414344 | 0.53 | 24773 | 5.98 | 380338 | 91.79 | 9233 | 2.23 |
| 10 | Lombardia, Italy | 464599 | 0.59 | 24610 | 5.30 | 379750 | 81.74 | 60239 | 12.97 |
| 11 | Indonesia | 685639 | 0.87 | 20408 | 2.98 | 558703 | 81.49 | 106528 | 15.54 |
| 12 | Turkey | 2082610 | 2.65 | 18861 | 0.91 | 1901307 | 91.29 | 162442 | 7.80 |
| 13 | Mexico, Mexico | 137348 | 0.17 | 17937 | 13.06 | 0 | 0.00 | 119411 | 86.94 |
| 14 | Lima, Peru | 443319 | 0.56 | 16624 | 3.75 | 0 | 0.00 | 426695 | 96.25 |
| 15 | Ciudad de Mexico, Mexico | 302199 | 0.38 | 15786 | 5.22 | 0 | 0.00 | 286413 | 94.78 |

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AGGREGATED Data -- ORDERED BY RECOVERED Cases -- Data dated: 2020-12-24 :: 2020-12-24 01:02:36

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Number of Countries/Regions reported: 191
 Number of Cities/Provinces reported: 575
 Unique number of distinct geographical locations combined: 3966

| | Location | Confirmed | Perc.Confirmed | Deaths | Perc.Deaths | Recovered | Perc.Recovered | Active | Perc.Active |
|----|-----------------------|-----------|----------------|--------|-------------|-----------|----------------|--------|-------------|
| 1 | Turkey | 2082610 | 2.65 | 18861 | 0.91 | 1901307 | 91.29 | 162442 | 7.80 |
| 2 | Maharashtra, India | 1906371 | 2.42 | 48969 | 2.57 | 1801700 | 94.51 | 55702 | 2.92 |
| 3 | Argentina | 1563865 | 1.99 | 42314 | 2.71 | 1384277 | 88.52 | 137274 | 8.78 |
| 4 | Sao Paulo, Brazil | 1409140 | 1.79 | 45576 | 3.23 | 1222776 | 86.77 | 140788 | 9.99 |
| 5 | Poland | 1226883 | 1.56 | 26255 | 2.14 | 965178 | 78.67 | 235450 | 19.19 |
| 6 | Iran | 1177004 | 1.50 | 54156 | 4.60 | 914194 | 77.67 | 208654 | 17.73 |
| 7 | Karnataka, India | 912340 | 1.16 | 12038 | 1.32 | 886547 | 97.17 | 13755 | 1.51 |
| 8 | Andhra Pradesh, India | 879718 | 1.12 | 7085 | 0.81 | 868769 | 98.76 | 3864 | 0.44 |
| 9 | South Africa | 954258 | 1.21 | 25657 | 2.69 | 811372 | 85.03 | 117229 | 12.28 |
| 10 | Tamil Nadu, India | 810080 | 1.03 | 12024 | 1.48 | 788742 | 97.37 | 9314 | 1.15 |
| 11 | Kerala, India | 721510 | 0.92 | 2892 | 0.40 | 655644 | 90.87 | 62974 | 8.73 |
| 12 | Delhi, India | 619618 | 0.79 | 10347 | 1.67 | 601268 | 97.04 | 8003 | 1.29 |
| 13 | Moscow, Russia | 756586 | 0.96 | 10613 | 1.40 | 582772 | 77.03 | 163201 | 21.57 |
| 14 | Indonesia | 685639 | 0.87 | 20408 | 2.98 | 558703 | 81.49 | 106528 | 15.54 |

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| | | | | | | | | | |
|----|----------------------|--------|------|------|------|--------|-------|-------|------|
| 15 | Uttar Pradesh, India | 577642 | 0.73 | 8245 | 1.43 | 553019 | 95.74 | 16378 | 2.84 |
|----|----------------------|--------|------|------|------|--------|-------|-------|------|

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##### AGGREGATED Data -- ORDERED BY ACTIVE Cases -- Data dated: 2020-12-24 :: 2020-12-24 01:02:36
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Number of Countries/Regions reported: 191
```

```
Number of Cities/Provinces reported: 575
```

```
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 | 2503693 | 3.18 | 61614 | 2.46 | 163754 | 6.54 | 2278325 | 91.00 |
| 2 | England, United Kingdom | 1839170 | 2.34 | 60238 | 3.28 | 0 | 0.00 | 1778932 | 96.72 |
| 3 | Los Angeles, California, US | 663954 | 0.84 | 9153 | 1.38 | 0 | 0.00 | 654801 | 98.62 |
| 4 | Lima, Peru | 443319 | 0.56 | 16624 | 3.75 | 0 | 0.00 | 426695 | 96.25 |
| 5 | Cook, Illinois, US | 377709 | 0.48 | 7908 | 2.09 | 0 | 0.00 | 369801 | 97.91 |
| 6 | Madrid, Spain | 382855 | 0.49 | 11683 | 3.05 | 40736 | 10.64 | 330436 | 86.31 |
| 7 | Serbia | 312253 | 0.40 | 2833 | 0.91 | 0 | 0.00 | 309420 | 99.09 |
| 8 | Catalonia, Spain | 338303 | 0.43 | 8587 | 2.54 | 26203 | 7.75 | 303513 | 89.72 |
| 9 | Maricopa, Arizona, US | 291412 | 0.37 | 4781 | 1.64 | 0 | 0.00 | 286631 | 98.36 |
| 10 | Ciudad de Mexico, Mexico | 302199 | 0.38 | 15786 | 5.22 | 0 | 0.00 | 286413 | 94.78 |
| 11 | Miami-Dade, Florida, US | 280982 | 0.36 | 4096 | 1.46 | 0 | 0.00 | 276886 | 98.54 |
| 12 | Andalusia, Spain | 256664 | 0.33 | 4912 | 1.91 | 10671 | 4.16 | 241081 | 93.93 |
| 13 | Poland | 1226883 | 1.56 | 26255 | 2.14 | 965178 | 78.67 | 235450 | 19.19 |
| 14 | Harris, Texas, US | 224245 | 0.28 | 3283 | 1.46 | 0 | 0.00 | 220962 | 98.54 |
| 15 | Iran | 1177004 | 1.50 | 54156 | 4.60 | 914194 | 77.67 | 208654 | 17.73 |

| | Confirmed | Deaths | Recovered | Active |
|--------------------|-----------|---------|-----------|--------|
| Totals | 78693432 | 1711055 | 42381671 | NA |
| Average | 19842.02 | 431.43 | 10686.25 | NA |
| Standard Deviation | 99564.55 | 2527.87 | 74886.04 | NA |

```
* Statistical estimators computed considering 3966 independent reported entries
```

```
*****
***** OVERALL SUMMARY*****
*****
```

```
**** Time Series Worldwide TOTS ****
```

| | | |
|--------------|-----------|--------------|
| ts-confirmed | ts-deaths | ts-recovered |
| 78704434 | 1730663 | 44323101 |
| 2.2% | | 56.32% |

```
**** Time Series Worldwide AVGS ****
```

| | | |
|--------------|-----------|--------------|
| ts-confirmed | ts-deaths | ts-recovered |
| 290422.27 | 6386.21 | 173137.11 |
| 2.2% | | 59.62% |

```
**** Time Series Worldwide SDS ****
```

| | | |
|--------------|-----------|--------------|
| ts-confirmed | ts-deaths | ts-recovered |
| 1396665.55 | 27178.31 | 775166.57 |
| 1.95% | | 55.5% |

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* Statistical estimators computed considering 271/271/256 independent reported entries per case-type
