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covid19-SummaryReport_2021-03-23.txt

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```
#####
#### TS-CONFIRMED Cases -- Data dated: 2021-03-22 :: 2021-03-23 13:02:29
#####
Number of Countries/Regions reported: 192
Number of Cities/Provinces reported: 86
Unique number of distinct geographical locations combined: 274
```

Worldwide ts-confirmed Totals: 123678061

| | Country.Region | Province.State | Totals | GlobalPerc | LastDayChange | t-2 | t-3 | t-7 | t-14 | t-30 |
|----|----------------|----------------|----------|------------|---------------|-------|-------|-------|-------|-------|
| 1 | US | | 29869514 | 24.15 | 50584 | 33645 | 55285 | 53811 | 57695 | 57051 |
| 2 | Brazil | | 12047526 | 9.74 | 49293 | 47774 | 79069 | 83926 | 70764 | 29026 |
| 3 | India | | 11686796 | 9.45 | 40715 | 46951 | 43846 | 28903 | 17921 | 14199 |
| 4 | Russia | | 4416226 | 3.57 | 9195 | 9215 | 9548 | 9305 | 9342 | 12568 |
| 5 | United Kingdom | | 4301925 | 3.48 | 5342 | 5312 | 5587 | 5294 | 5766 | 9834 |
| 6 | France | | 4268711 | 3.45 | 81103 | 0 | 35004 | 30002 | 23029 | 21619 |
| 7 | Italy | | 3390181 | 2.74 | 13805 | 20045 | 23913 | 20376 | 19725 | 13450 |
| 8 | Spain | | 3228803 | 2.61 | 16471 | 0 | 0 | 4962 | 4012 | 0 |
| 9 | Turkey | | 3035338 | 2.45 | 22216 | 20428 | 21061 | 16749 | 13755 | 6546 |
| 10 | Germany | | 2678262 | 2.17 | 8261 | 768 | 14499 | 17679 | 6834 | 6094 |
| 11 | Colombia | | 2342278 | 1.89 | 5048 | 6043 | 6761 | 3716 | 3511 | 4244 |
| 12 | Argentina | | 2252172 | 1.82 | 6401 | 4032 | 6826 | 8235 | 7307 | 3709 |
| 13 | Mexico | | 2197160 | 1.78 | 1388 | 2133 | 5729 | 1278 | 7407 | 3104 |
| 14 | Poland | | 2073129 | 1.68 | 14579 | 21850 | 26456 | 14394 | 9953 | 7040 |
| 15 | Iran | | 1808422 | 1.46 | 7357 | 7260 | 7540 | 8380 | 8554 | 7931 |

Global Perc. Average: 0.36 (sd: 1.74)

Global Perc. Average in top 15 : 4.83 (sd: 5.94)

```
#####
#### TS-DEATHS Cases -- Data dated: 2021-03-22 :: 2021-03-23 13:02:30
#####
Number of Countries/Regions reported: 192
Number of Cities/Provinces reported: 86
Unique number of distinct geographical locations combined: 274
```

Worldwide ts-deaths Totals: 2722975

| | Country.Region | Province.State | Totals | Perc | LastDayChange | t-2 | t-3 | t-7 | t-14 | t-30 |
|----|----------------|----------------|--------|------|---------------|------|------|------|------|------|
| 1 | US | | 542949 | 1.82 | 590 | 432 | 783 | 1165 | 1795 | 1209 |
| 2 | Brazil | | 295425 | 2.45 | 1383 | 1290 | 2438 | 2841 | 1972 | 527 |
| 3 | Mexico | | 198239 | 9.02 | 203 | 209 | 608 | 175 | 866 | 310 |
| 4 | India | | 160166 | 1.37 | 199 | 212 | 197 | 188 | 133 | 83 |
| 5 | United Kingdom | | 126172 | 2.93 | 17 | 33 | 96 | 110 | 231 | 215 |
| 6 | Italy | | 105328 | 3.11 | 386 | 300 | 401 | 502 | 376 | 232 |
| 7 | Russia | | 93812 | 2.12 | 355 | 367 | 386 | 437 | 330 | 409 |
| 8 | France | | 92080 | 2.16 | 657 | -1 | 276 | 400 | 364 | 159 |
| 9 | Germany | | 75009 | 2.80 | 253 | 50 | 98 | 251 | 298 | 63 |
| 10 | Spain | | 73543 | 2.28 | 633 | 0 | 0 | 141 | 291 | 0 |
| 11 | Colombia | | 62148 | 2.65 | 120 | 121 | 136 | 125 | 78 | 149 |
| 12 | Iran | | 61877 | 3.42 | 80 | 73 | 75 | 97 | 81 | 74 |
| 13 | Argentina | | 54671 | 2.43 | 126 | 28 | 41 | 200 | 131 | 76 |
| 14 | South Africa | | 52196 | 3.39 | 85 | 29 | 47 | 139 | 103 | 113 |

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15 Peru 50198 3.42 0 301 0 174 309 407

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#####
#### TS-RECOVERED Cases -- Data dated: 2021-03-22 :: 2021-03-23 13:02:31
#####
Number of Countries/Regions reported: 192
Number of Cities/Provinces reported: 70
Unique number of distinct geographical locations combined: 259
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Worldwide ts-recovered Totals: 70137875

| | Country.Region | Province.State | Totals | LastDayChange | t-2 | t-3 | t-7 | t-14 | t-30 |
|----|----------------|----------------|----------|---------------|-------|-------|-------|-------|-------|
| 1 | India | | 11181253 | 29785 | 21180 | 22956 | 17741 | 20652 | 9695 |
| 2 | Brazil | | 10611595 | 102138 | 33334 | 40259 | 65556 | 52274 | 25187 |
| 3 | Russia | | 4031205 | 7745 | 8690 | 11088 | 10526 | 9882 | 15770 |
| 4 | Turkey | | 2844681 | 19494 | 17615 | 18815 | 17893 | 8639 | 5002 |
| 5 | Italy | | 2719477 | 19715 | 13526 | 14598 | 14116 | 12999 | 8946 |
| 6 | Germany | | 2437183 | 10483 | 7408 | 5708 | 9648 | 9156 | 7045 |
| 7 | Colombia | | 2235343 | 5151 | 4467 | 4083 | 3014 | 2858 | 4896 |
| 8 | Argentina | | 2037686 | 7533 | 6489 | 6935 | 5379 | 5051 | 5068 |
| 9 | Mexico | | 1740254 | 4095 | 3070 | 3820 | 4204 | 5340 | 4624 |
| 10 | Poland | | 1676008 | 19181 | 16777 | 19778 | 12709 | 9270 | 6088 |
| 11 | Iran | | 1549649 | 6530 | 6513 | 7912 | 7059 | 7409 | 6914 |
| 12 | South Africa | | 1463953 | 864 | 979 | 914 | 2676 | 2237 | 2462 |
| 13 | Peru | | 1381318 | 0 | 16762 | 0 | 7103 | 11822 | 13590 |
| 14 | Ukraine | | 1306822 | 3038 | 3930 | 5381 | 6320 | 1024 | 1799 |
| 15 | Indonesia | | 1297967 | 7177 | 6065 | 5760 | 7716 | 7496 | 8236 |

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#### AGGREGATED Data -- ORDERED BY CONFIRMED Cases -- Data dated: 2021-03-23 :: 2021-03-23 13:02:31
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Number of Countries/Regions reported: 191
Number of Cities/Provinces reported: 573
Unique number of distinct geographical locations combined: 3972

| | Location | Confirmed | Perc.Confirmed | Deaths | Perc.Deaths | Recovered | Perc.Recovered | Active | Perc.Active |
|----|-----------------------------|-----------|----------------|--------|-------------|-----------|----------------|---------|-------------|
| 1 | France | 4268711 | 3.45 | 92080 | 2.16 | 253477 | 5.94 | 3923154 | 91.90 |
| 2 | England, United Kingdom | 3764026 | 3.05 | 111027 | 2.95 | 0 | 0.00 | 3652999 | 97.05 |
| 3 | Turkey | 3035338 | 2.46 | 30178 | 0.99 | 2844681 | 93.72 | 160479 | 5.29 |
| 4 | Maharashtra, India | 2504327 | 2.03 | 53457 | 2.13 | 2234330 | 89.22 | 216540 | 8.65 |
| 5 | Sao Paulo, Brazil | 2311101 | 1.87 | 67602 | 2.93 | 2013250 | 87.11 | 230249 | 9.96 |
| 6 | Argentina | 2252172 | 1.82 | 54671 | 2.43 | 2037686 | 90.48 | 159815 | 7.10 |
| 7 | Poland | 2073129 | 1.68 | 49365 | 2.38 | 1676008 | 80.84 | 347756 | 16.77 |
| 8 | Iran | 1808422 | 1.46 | 61877 | 3.42 | 1549649 | 85.69 | 196896 | 10.89 |
| 9 | South Africa | 1538451 | 1.24 | 52196 | 3.39 | 1463953 | 95.16 | 22302 | 1.45 |
| 10 | Czechia | 1467333 | 1.19 | 24810 | 1.69 | 1262738 | 86.06 | 179785 | 12.25 |
| 11 | Indonesia | 1465928 | 1.19 | 39711 | 2.71 | 1297967 | 88.54 | 128250 | 8.75 |
| 12 | Los Angeles, California, US | 1214754 | 0.98 | 22815 | 1.88 | NA | NA | NA | NA |

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| | | | | | | | | | |
|----|----------------------|---------|------|-------|------|---------|-------|-------|------|
| 13 | Kerala, India | 1105467 | 0.89 | 4507 | 0.41 | 1076571 | 97.39 | 24389 | 2.21 |
| 14 | Minas Gerais, Brazil | 1036301 | 0.84 | 22055 | 2.13 | 933999 | 90.13 | 80247 | 7.74 |
| 15 | Moscow, Russia | 1013049 | 0.82 | 16184 | 1.60 | 932428 | 92.04 | 64437 | 6.36 |

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AGGREGATED Data -- ORDERED BY DEATHS Cases -- Data dated: 2021-03-23 :: 2021-03-23 13:02:31

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Number of Countries/Regions reported: 191
 Number of Cities/Provinces reported: 573
 Unique number of distinct geographical locations combined: 3972

| | Location | Confirmed | Perc.Confirmed | Deaths | Perc.Deaths | Recovered | Perc.Recovered | Active | Perc.Active |
|----|--------------------------|-----------|----------------|--------|-------------|-----------|----------------|---------|-------------|
| 1 | England, United Kingdom | 3764026 | 3.05 | 111027 | 2.95 | 0 | 0.00 | 3652999 | 97.05 |
| 2 | France | 4268711 | 3.45 | 92080 | 2.16 | 253477 | 5.94 | 3923154 | 91.90 |
| 3 | Sao Paulo, Brazil | 2311101 | 1.87 | 67602 | 2.93 | 2013250 | 87.11 | 230249 | 9.96 |
| 4 | Iran | 1808422 | 1.46 | 61877 | 3.42 | 1549649 | 85.69 | 196896 | 10.89 |
| 5 | Argentina | 2252172 | 1.82 | 54671 | 2.43 | 2037686 | 90.48 | 159815 | 7.10 |
| 6 | Maharashtra, India | 2504327 | 2.03 | 53457 | 2.13 | 2234330 | 89.22 | 216540 | 8.65 |
| 7 | South Africa | 1538451 | 1.24 | 52196 | 3.39 | 1463953 | 95.16 | 22302 | 1.45 |
| 8 | Poland | 2073129 | 1.68 | 49365 | 2.38 | 1676008 | 80.84 | 347756 | 16.77 |
| 9 | Indonesia | 1465928 | 1.19 | 39711 | 2.71 | 1297967 | 88.54 | 128250 | 8.75 |
| 10 | Rio de Janeiro, Brazil | 623460 | 0.50 | 35180 | 5.64 | 580583 | 93.12 | 7697 | 1.23 |
| 11 | Mexico, Mexico | 228864 | 0.19 | 30657 | 13.40 | 0 | 0.00 | 198207 | 86.60 |
| 12 | Turkey | 3035338 | 2.46 | 30178 | 0.99 | 2844681 | 93.72 | 160479 | 5.29 |
| 13 | Lombardia, Italy | 700025 | 0.57 | 29876 | 4.27 | 571586 | 81.65 | 98563 | 14.08 |
| 14 | Ciudad de Mexico, Mexico | 595468 | 0.48 | 29787 | 5.00 | 0 | 0.00 | 565681 | 95.00 |
| 15 | Czechia | 1467333 | 1.19 | 24810 | 1.69 | 1262738 | 86.06 | 179785 | 12.25 |

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AGGREGATED Data -- ORDERED BY RECOVERED Cases -- Data dated: 2021-03-23 :: 2021-03-23 13:02:31

#####

Number of Countries/Regions reported: 191
 Number of Cities/Provinces reported: 573
 Unique number of distinct geographical locations combined: 3972

| | Location | Confirmed | Perc.Confirmed | Deaths | Perc.Deaths | Recovered | Perc.Recovered | Active | Perc.Active |
|----|-----------------------|-----------|----------------|--------|-------------|-----------|----------------|--------|-------------|
| 1 | Turkey | 3035338 | 2.46 | 30178 | 0.99 | 2844681 | 93.72 | 160479 | 5.29 |
| 2 | Maharashtra, India | 2504327 | 2.03 | 53457 | 2.13 | 2234330 | 89.22 | 216540 | 8.65 |
| 3 | Argentina | 2252172 | 1.82 | 54671 | 2.43 | 2037686 | 90.48 | 159815 | 7.10 |
| 4 | Sao Paulo, Brazil | 2311101 | 1.87 | 67602 | 2.93 | 2013250 | 87.11 | 230249 | 9.96 |
| 5 | Poland | 2073129 | 1.68 | 49365 | 2.38 | 1676008 | 80.84 | 347756 | 16.77 |
| 6 | Iran | 1808422 | 1.46 | 61877 | 3.42 | 1549649 | 85.69 | 196896 | 10.89 |
| 7 | South Africa | 1538451 | 1.24 | 52196 | 3.39 | 1463953 | 95.16 | 22302 | 1.45 |
| 8 | Indonesia | 1465928 | 1.19 | 39711 | 2.71 | 1297967 | 88.54 | 128250 | 8.75 |
| 9 | Czechia | 1467333 | 1.19 | 24810 | 1.69 | 1262738 | 86.06 | 179785 | 12.25 |
| 10 | Kerala, India | 1105467 | 0.89 | 4507 | 0.41 | 1076571 | 97.39 | 24389 | 2.21 |
| 11 | Karnataka, India | 971647 | 0.79 | 12444 | 1.28 | 944917 | 97.25 | 14286 | 1.47 |
| 12 | Minas Gerais, Brazil | 1036301 | 0.84 | 22055 | 2.13 | 933999 | 90.13 | 80247 | 7.74 |
| 13 | Moscow, Russia | 1013049 | 0.82 | 16184 | 1.60 | 932428 | 92.04 | 64437 | 6.36 |
| 14 | Andhra Pradesh, India | 894044 | 0.72 | 7191 | 0.80 | 884471 | 98.93 | 2382 | 0.27 |

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| | | | | | | | | | |
|----|-------------------|--------|------|-------|------|--------|-------|------|------|
| 15 | Tamil Nadu, India | 868367 | 0.70 | 12609 | 1.45 | 847139 | 97.56 | 8619 | 0.99 |
|----|-------------------|--------|------|-------|------|--------|-------|------|------|

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##### AGGREGATED Data -- ORDERED BY ACTIVE Cases -- Data dated: 2021-03-23 :: 2021-03-23 13:02:31
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Number of Countries/Regions reported: 191
```

```
Number of Cities/Provinces reported: 573
```

```
Unique number of distinct geographical locations combined: 3972
```

| | Location | Confirmed | Perc.Confirmed | Deaths | Perc.Deaths | Recovered | Perc.Recovered | Active | Perc.Active |
|----|---------------------------|-----------|----------------|--------|-------------|-----------|----------------|---------|-------------|
| 1 | France | 4268711 | 3.45 | 92080 | 2.16 | 253477 | 5.94 | 3923154 | 91.90 |
| 2 | England, United Kingdom | 3764026 | 3.05 | 111027 | 2.95 | 0 | 0.00 | 3652999 | 97.05 |
| 3 | Lima, Peru | 686133 | 0.56 | 22050 | 3.21 | 0 | 0.00 | 664083 | 96.79 |
| 4 | Ciudad de Mexico, Mexico | 595468 | 0.48 | 29787 | 5.00 | 0 | 0.00 | 565681 | 95.00 |
| 5 | Madrid, Spain | 611228 | 0.49 | 14431 | 2.36 | 40736 | 6.66 | 556061 | 90.97 |
| 6 | Serbia | 555897 | 0.45 | 4966 | 0.89 | 0 | 0.00 | 550931 | 99.11 |
| 7 | Catalonia, Spain | 523656 | 0.42 | 12041 | 2.30 | 26203 | 5.00 | 485412 | 92.70 |
| 8 | Andalusia, Spain | 496864 | 0.40 | 9060 | 1.82 | 10671 | 2.15 | 477133 | 96.03 |
| 9 | C. Valenciana, Spain | 384413 | 0.31 | 7017 | 1.83 | 9970 | 2.59 | 367426 | 95.58 |
| 10 | Poland | 2073129 | 1.68 | 49365 | 2.38 | 1676008 | 80.84 | 347756 | 16.77 |
| 11 | Zuid-Holland, Netherlands | 283975 | 0.23 | 3945 | 1.39 | 0 | 0.00 | 280030 | 98.61 |
| 12 | Switzerland | 584252 | 0.47 | 10239 | 1.75 | 317600 | 54.36 | 256413 | 43.89 |
| 13 | Sao Paulo, Brazil | 2311101 | 1.87 | 67602 | 2.93 | 2013250 | 87.11 | 230249 | 9.96 |
| 14 | Parana, Brazil | 799813 | 0.65 | 14969 | 1.87 | 567040 | 70.90 | 217804 | 27.23 |
| 15 | Maharashtra, India | 2504327 | 2.03 | 53457 | 2.13 | 2234330 | 89.22 | 216540 | 8.65 |

| | Confirmed | Deaths | Recovered | Active |
|--------------------|-----------|---------|-----------|--------|
| Totals | 123592937 | 2698904 | NA | NA |
| Average | 31116.05 | 679.48 | NA | NA |
| Standard Deviation | 158205.42 | 3821.61 | NA | NA |

```
* Statistical estimators computed considering 3972 independent reported entries
```

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

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

| | | |
|--------------|-----------|--------------|
| ts-confirmed | ts-deaths | ts-recovered |
| 123678061 | 2722975 | 70137875 |
| 2.2% | | 56.71% |

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

| | | |
|--------------|-----------|--------------|
| ts-confirmed | ts-deaths | ts-recovered |
| 451379.78 | 9937.86 | 270802.61 |
| 2.2% | | 59.99% |

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

| | | |
|--------------|-----------|--------------|
| ts-confirmed | ts-deaths | ts-recovered |
| 2147992.78 | 42926.44 | 1061939.81 |
| 2% | | 49.44% |

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* Statistical estimators computed considering 274/274/259 independent reported entries per case-type
