A few graphs on the current pandemic both worldwide and within a few states' regions

**GRAPHS**

Total and new cases per inhabitants, Total and new deaths per inhabitants.
Deaths per cases, Active cases per hospital beds
Hospitalization: Current and variations, Reanimation: Current and variations

**AREAS**

1. World Nations
2. Major Clusters
3. Italy (by region)
4. Spain (by region)
5. France (by region and department)
6. UK (by country and region)
7. USA (by state)
8. Germany (by Lander and Landkreis)

**WARNINGS**

- Cases and deaths are recorded very differently in different countries
- In France Regions, records switch from total confirmed cases to hospitalized, cured and dead cases. I corrected for continuity but it is basically a crude approximation
- In Germany and UK, records of cases and deaths for the last day of the file seem very low and should be considered cautiously
- Provided the source files are updated, rerunning the script should update the graphs automatically
- Selection thresholds can be adapted in the script

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World – Top 25 countries: 1. Cases for 10,000 inhabitants on 2020−05−20
World – Top 25 countries: 2. New cases for 10,000 inhabitants on 2020-05-20
World – Top 25 countries: 3. Deaths for 100,000 inhabitants on 2020-05-20
World – Top 25 countries: 5. Deaths for 100 cases on 2020-05-20

Days since number of deaths for 100,000 inhabitants > 1

Deaths for 100 cases (log scale)

- Austria
- Belgium
- Brazil
- Canada
- Denmark
- Ecuador
- Finland
- France
- Germany
- Iran
- Ireland
- Italy
- Moldova
- Netherlands
- North Macedonia
- Panama
- Peru
- Portugal
- Romania
- Spain
- Sweden
- Switzerland
- Turkey
- UK
- US
World – Top 25 countries: 6. Active cases for 100 hospital beds on 2020–05–20
New deaths per day for 100,000 inhabitants (7-day moving average)

World – Top 10 countries where new deaths for 100,000 inhabitants increased the most last week

- Armenia
- Bolivia
- Brazil
- Chile
- Equatorial Guinea
- Kuwait
- Lithuania
- Mexico
- North Macedonia
- Peru
World – Top 10 countries where new deaths for 100,000 inhabitants decreased the most last week

- Belgium
- Bosnia and Herzegovina
- Canada
- Ecuador
- France
- Ireland
- Italy
- Netherlands
- UK
- US
World – Top 10 countries where new cases for 100,000 inhabitants increased the most last week

- Armenia
- Brazil
- Chile
- Ecuador
- Equatorial Guinea
- Kuwait
- Oman
- Peru
- Qatar
- Saudi Arabia
New cases per day for 100,000 inhabitants (7-day moving average)

World – Top 10 countries where new cases for 100,000 inhabitants decreased the most last week

- Belgium
- Denmark
- France
- Guinea Bissau
- Ireland
- Portugal
- Russia
- Singapore
- Sweden
- UK
World regions – 25 top Areas & Hubei: 1. Cases for 10,000 inhabitants on 2020-05-20
World regions – 25 top Areas & Hubei: 2. New cases for 10,000 inhabitants on 2020-05-20

Days since number of cases for 10,000 inhabitants > 5

New cases for 10,000 inhabitants (7-day moving average - log scale)
Days since number of deaths for 100,000 inhabitants > 1

Deaths for 100,000 inhabitants (log scale)

World regions − 25 top Areas & Hubei : 3. Deaths for 100,000 inhabitants on 2020−05−20

- Belgium
- ES−Aragon
- ES−Basque Country
- ES−Castile and León
- ES−Castile−La Mancha
- ES−Catalonia
- ES−Community of Madrid
- FR−Grand Est
- FR−Île−de−France
- IT−Emilia−Romagna
- IT−Liguria
- IT−Lombardia
- IT−Marche
- IT−Piemonte
- UK−East of England
- UK−London
- UK−Midlands
- UK−North West
- US−Connecticut
- US−Louisiana
- US−Massachusetts
- US−Michigan
- US−New Jersey
- US−New York
- US−Rhode Island
- CN−Hubei
World regions – 25 top Areas & Hubei: New deaths for 100,000 inhabitants on 2020–05–20
Days since number of deaths for 100,000 inhabitants > 1

Deaths for 100 cases (log scale)

- Belgium
- ES-Aragon
- ES-Basque Country
- ES-Castile and León
- ES-Castile-La Mancha
- ES-Catalonia
- ES-Community of Madrid
- FR-Grand Est
- FR-Ile-de-France
- IT-Emilia-Romagna
- IT-Liguria
- IT-Lombardia
- IT-Marche
- IT-Piemonte
- UK-East of England
- UK-London
- UK-Midlands
- UK-North West
- US-Connecticut
- US-Louisiana
- US-Massachusetts
- US-Michigan
- US-New Jersey
- US-New York
- US-Rhode Island
- CN-Hubei
Italy – Regions: 2. New cases for 10,000 inhabitants on 2020–05–20

Days since number of cases for 10,000 inhabitants > 5
Days since number of deaths for 100,000 inhabitants > 1

Deaths for 100,000 inhabitants (log scale)

Italy – Regions: 3. Deaths for 100,000 inhabitants on 2020-05-20
Italy – Regions: 4. New deaths for 100,000 inhabitants on 2020-05-20
Days since number of deaths for 100,000 inhabitants > 1

Deaths for 100 cases (log scale)

Italy – Regions: 5. Deaths for 100 cases on 2020–05–20

Abruzzo
Basilicata
Calabria
Campania
Emilia–Romagna
Friuli Venezia Giulia
Lazio
Liguria
Lombardia
Marche
Molise
P.A. Bolzano
P.A. Trento
Piemonte
Puglia
Sardegna
Sicilia
Toscana
Umbria
Valle d’Aosta
Veneto
Spain – Regions: 1. Cases for 10,000 inhabitants on 2020-05-17

Days since number of cases for 10,000 inhabitants > 5

Cases for 10,000 inhabitants (log scale)
Spain – Regions: 2. New cases for 10,000 inhabitants on 2020-05-17

Days since number of cases for 10,000 inhabitants > 5

New cases for 10,000 inhabitants (7-day moving average – log scale)
Spain – Regions: 3. Deaths for 100,000 inhabitants on 2020-05-17

Days since number of deaths for 100,000 inhabitants > 1
Spain – Regions: 4. New deaths for 100,000 inhabitants on 2020−05−17

Days since number of deaths for 100,000 inhabitants > 1
Spain – Regions: 5. Deaths for 100 cases on 2020–05–17

Days since number of deaths for 100,000 inhabitants > 1

Deaths for 100 cases (log scale)
Spain – Regions: Hospitalization for 10,000 inhabitants on 2020-05-17

Days since number of deaths for 100,000 inhabitants > 1

Hospitalization for 10,000 inhabitants (log scale)
Spain – Regions: 7. Variation in hospitalization for 10,000 inhabitants (7-day moving average)

Days since number of deaths for 100,000 inhabitants > 1
Spain – Regions: 8. Reanimation for 10,000 inhabitants on 2020-05-17

Days since number of deaths for 100,000 inhabitants > 1

Reanimation for 10,000 inhabitants (log scale)

Spain – Regions: 8. Reanimation for 10,000 inhabitants on 2020-05-17

Days since number of deaths for 100,000 inhabitants > 1

Reanimation for 10,000 inhabitants (log scale)

Spain – Regions: 8. Reanimation for 10,000 inhabitants on 2020-05-17

Days since number of deaths for 100,000 inhabitants > 1

Reanimation for 10,000 inhabitants (log scale)

Spain – Regions: 8. Reanimation for 10,000 inhabitants on 2020-05-17

Days since number of deaths for 100,000 inhabitants > 1

Reanimation for 10,000 inhabitants (log scale)
Spain – Regions: 9. Variation in reanimation for 10,000 inhabitants 2020–05–17

Days since number of deaths for 100,000 inhabitants > 1

Variation in reanimation for 10,000 inhabitants (7-day moving average)
Days since number of cases for 10,000 inhabitants > 5

Cases for 10,000 inhabitants (log scale)
France – Regions: 2. New cases for 10,000 inhabitants on 2020–05–19

Days since number of cases for 10,000 inhabitants > 5

New cases for 10,000 inhabitants (7-day moving average – log scale)

France – Regions:
- Auvergne-Rhône-Alpes
- Bourgogne-Franche-Comté
- Bretagne
- Centre-Val de Loire
- Corse
- Grand Est
- Hauts-de-France
- Île-de-France
- Normandie
- Occitanie
- Pays de la Loire
France – Regions: Deaths for 100,000 inhabitants on 2020-05-19

Days since number of deaths for 100,000 inhabitants > 1

Deaths for 100,000 inhabitants (log scale)
France – Regions: 5. Deaths for 100 cases on 2020-05-19

Days since number of deaths for 100,000 inhabitants > 1

Deaths for 100 cases (log scale)

- Auvergne-Rhône-Alpes
- Bourgogne-Franche-Comté
- Bretagne
- Centre-Val de Loire
- Corse
- Grand Est
- Hauts-de-France
- Île-de-France
- Normandie
- Nouvelle-Aquitaine
- Occitanie
- Pays de la Loire
- Provence-Alpes-Côte d'Azur

Days since number of deaths for 100,000 inhabitants > 1

Hospitalization for 10,000 inhabitants (log scale)
France – Regions: 7. Variation in hospitalization for 10,000 inhabitants 2020–05–19

Days since number of deaths for 100,000 inhabitants > 1

Variation in hospitalization for 10,000 inhabitants (7-day moving average)
France – Regions: 8. Reanimation for 10,000 inhabitants on 2020-05-19

Days since number of deaths for 100,000 inhabitants > 1

Reanimation for 10,000 inhabitants (log scale)
France – Regions: 9. Variation in reanimation for 10,000 inhabitants 2020–05–19

Days since number of deaths for 100,000 inhabitants > 1

Variation in reanimation for 10,000 inhabitants (7-day moving average)
Days since number of cases for 10,000 inhabitants > 5

Cases for 10,000 inhabitants (log scale)
France – Top 25 Departments : 2. New cases for 10,000 inhabitants on 2020−05−19

Days since number of cases for 10,000 inhabitants > 5
France – Top 25 Departments: 3. Deaths for 100,000 inhabitants on 2020–05–19
Days since number of deaths for 100,000 inhabitants > 1

New deaths for 100,000 inhabitants (7-day moving average – log scale)

France – Top 25 Departments: 4. New deaths for 100,000 inhabitants on 2020-05-19
Days since number of deaths for 100,000 inhabitants > 1

Deaths for 100 cases (log scale)

France – Top 25 Departments: 5. Deaths for 100 cases on 2020–05–19
France – Top 25 Departments: 6. Hospitalization for 10,000 inhabitants on 2020-05-19
France – Top 25 Departments: 7. Variation in hospitalization for 10,000 inhabitants 2020-05-19

Days since number of deaths for 100,000 inhabitants > 1

Variation in hospitalization for 10,000 inhabitants (7-day moving average)

- Aisne
- Aube
- Bas-Rhin
- Côte-d'Or
- Essonne
- Haut-Rhin
- Haute-Marne
- Hauts-de-Seine
- Indre
- Marne
- Meurthe-et-Moselle
- Meuse
- Moselle
- Oise
- Paris
- Rhône
- Saône-et-Loire
- Seine-et-Marne
- Seine-Saint-Denis
- Somme
- Territoire de Belfort
- Val-d'Oise
- Val-de-Marne
- Vosges
- Yvelines
France – Top 25 Departments: Reanimation for 10,000 inhabitants on 2020-05-19

Days since number of deaths for 100,000 inhabitants > 1

Reanimation for 10,000 inhabitants (log scale)
France – Top 25 Departments: Variation in reanimation for 10,000 inhabitants

Days since number of deaths for 100,000 inhabitants > 1

Variation in reanimation for 10,000 inhabitants (7-day moving average)
France – Top 25 Departments: 11. Reanimation for 100 hospital beds on 2020-05-19
United Kingdom – Regions and countries: Cases for 10,000 inhabitants on 2020–05–19

Days since number of cases for 10,000 inhabitants > 5

Cases for 10,000 inhabitants (log scale)
United Kingdom – Regions and countries: 2. New cases for 10,000 inhabitants on 2020–05–19

Days since number of cases for 10,000 inhabitants > 5

New cases for 10,000 inhabitants (7–day moving average – log scale)

- East of England
- London
- Midlands
- North East and Yorkshire
- North West
- Northern Ireland
- Scotland
- South East
- South West
- Wales
United Kingdom – Regions and countries: 3. Deaths for 100,000 inhabitants on 2020-05-19
United Kingdom – Regions and countries: New deaths for 100,000 inhabitants on 2020-05-19

- East of England
- London
- Midlands
- North East and Yorkshire
- North West
- Northern Ireland
- Scotland
- South East
- South West
- Wales
United Kingdom – Regions and countries: 5. Deaths for 100 cases on 2020-05-19

Days since number of deaths for 100,000 inhabitants > 1

Deaths for 100 cases (log scale)

- East of England
- London
- Midlands
- North East and Yorkshire
- North West
- Northern Ireland
- Scotland
- South East
- South West
- Wales
USA – Top 25 States: 1. Cases for 10,000 inhabitants on 2020−05−19

Cases for 10,000 inhabitants (log scale)

Days since number of cases for 10,000 inhabitants > 5
USA – Top 25 States: 2. New cases for 10,000 inhabitants on 2020–05–19
USA – Top 25 States: 3. Deaths for 100,000 inhabitants on 2020-05-19

Deaths for 100,000 inhabitants (log scale)

Days since number of deaths for 100,000 inhabitants > 1
Days since number of deaths for 100,000 inhabitants > 1

New deaths for 100,000 inhabitants (7-day moving average − log scale)

USA – Top 25 States: 4. New deaths for 100,000 inhabitants on 2020–05–19
Days since number of deaths for 100,000 inhabitants > 1

Deaths for 100 cases (log scale)

USA – Top 25 States: 5. Deaths for 100 cases on 2020-05-19

- Colorado
- Connecticut
- Delaware
- District of Columbia
- Georgia
- Illinois
- Indiana
- Iowa
- Louisiana
- Maryland
- Massachusetts
- Michigan
- Minnesota
- Mississippi
- Missouri
- Nevada
- New Hampshire
- New Jersey
- New Mexico
- New York
- Ohio
- Pennsylvania
- Rhode Island
- Virginia
- Washington
Days since number of cases for 10,000 inhabitants > 2
Germany – Länder: New cases for 10,000 inhabitants on 2020–05–18
Germany – Länder: New deaths for 100,000 inhabitants on 2020–05–18

Days since number of deaths for 100,000 inhabitants > 0.5

New deaths for 100,000 inhabitants (7-day moving average – log scale)
Germany – Länder: 5. Deaths for 100 cases on 2020-05-18

Days since number of deaths for 100,000 inhabitants > 0.5

Deaths for 100 cases (log scale)
Germany – Top 25 Landkreis: 1. Cases for 10,000 inhabitants on 2020–05–18

![Graph showing cases for 10,000 inhabitants on a log scale over days since the number of cases for 10,000 inhabitants exceeded 2.](image)

- LK Altötting
- LK Amberg-Sulzbach
- LK Breisgau-Hochschwarzwald
- LK Calw
- LK Dachau
- LK Erding
- LK Freising
- LK Freudenstadt
- LK Greiz
- LK Heinsberg
- LK Hohenlohekreis
- LK Landshut
- LK Mühldorf a.Inn
- LK Olpe
- LK Reutlingen
- LK Rosenheim
- LK Rottal-Inn
- LK Rottweil
- LK Schwäbisch Hall
- LK Sigmaringen
- LK Traunstein
- LK Tübingen
- LK Zollernalbkreis
- SK Freiburg i.Breisgau
- SK München
Germany – Top 25 Landkreis: New cases for 10,000 inhabitants on 2020-05-18
Germany – Top 25 Landkreis: 3. Deaths for 100,000 inhabitants on 2020-05-18

Days since number of deaths for 100,000 inhabitants > 0.5

Deaths for 100,000 inhabitants (log scale)

Germany − Top 25 Landkreis: 3. Deaths for 100,000 inhabitants on 2020−05−18
Germany – Top 25 Landkreis: 4. New deaths for 100,000 inhabitants on 2020–05–18

Days since number of deaths for 100,000 inhabitants > 0.5

New deaths for 100,000 inhabitants (7-day moving average – log scale)

- LK Altötting
- LK Amberg-Sulzbach
- LK Breisgau-Hochschwarzwald
- LK Freudenstadt
- LK Fürth
- LK Greiz
- LK Heidenheim
- LK Heinsberg
- LK Hohenlohekreis
- LK Kelheim
- LK Nürnberger Land
- LK Olpe
- LK Ortenaukreis
- LK Rosenheim
- LK Rottal-Inn
- LK Schwäbisch Hall
- LK Stadtverband Saarbrücken
- LK Traunstein
- LK Zollernalbkreis
- SK Freiburg i.Breisgau
- SK Fürth
- SK Ingolstadt
- SK Potsdam
- SK Würzburg
Germany – Top 25 Landkreis: 5. Deaths for 100 cases on 2020-05-18