



## Coronavirus Disease 2019 (COVID-19) Daily Situation Report of the Robert Koch Institute

28/03/2020 - UPDATED STATUS FOR GERMANY

	Confirmed cases	Deaths	Deaths (%)
<b>Germany</b>	<b>48,582</b> (+6,294*)	<b>325</b> (+72*)	<b>0.7%</b>

– Changes since the last report are marked *blue* in the text –

\*Change from previous day

### Summary (as of 28/03/2020, 12:00 AM)

- In total, **48,582** COVID-19 cases and **325** deaths due to COVID-19 have been electronically reported in Germany.
- All 16 federal states are affected. The incidence of COVID-19 is highest in Hamburg, Baden-Württemberg and Bavaria.
- Most cases are between 35 and 59 years old; men are more often affected than woman.
- **87%** of deaths occurred in persons aged 70 years or older.
- As of March 23/2020, gatherings of more than 2 persons (with the exception of families and household members) were banned in all states. Restaurants and businesses concerned with body care were closed.
- **The government introduced a new law enhancing public protection in the event of epidemic emergencies with national concern, by which the national level will get additional competencies for combating the epidemic in different areas.**

# Epidemiological Situation in Germany

## Geographical distribution of cases

Epidemiological analyses are based on validated cases notified electronically to RKI according to the Protection Against Infection Law (Data closure: 12 AM daily).

Since 27/01/2020, a total of **48.582 (+6,294)** laboratory-confirmed cases of coronavirus disease 2019 (COVID-19) have been electronically reported to and validated at the RKI, including **325** deaths. (see Table 1 and Figure 1). In addition, diagnosis is ongoing for suspected cases in several federal states.

Information on confirmed cases are also available on the RKI website at

[https://www.rki.de/DE/Content/InfAZ/N/Neuartiges\\_Coronavirus/Fallzahlen.html](https://www.rki.de/DE/Content/InfAZ/N/Neuartiges_Coronavirus/Fallzahlen.html) and

<https://corona.rki.de>

Table 1: Distribution of the laboratory-confirmed COVID-19-cases per federal state in Germany (28/03/2020, 12:00 AM)

Federal State	Electronically submitted cases			
	Number	Difference	Cases/100,000 pop.	Number of deaths
Baden-Wuerttemberg	9,781	1,620	88	101
Bavaria	11,150	1,669	85	77
Berlin	2,161	206	58	8
Brandenburg	645	108	26	1
Bremen	260	19	38	2
Hamburg	1,765	72	96	2
Hesse	2,604	281	42	9
Mecklenburg-Western Pomerania	308	49	19	0
Lower Saxony	3,150	340	39	12
North Rhine-Westphalia	10,607	1,372	59	80
Rhineland-Palatinate	2,212	241	54	11
Saarland	550	45	56	2
Saxony	1,432	127	35	9
Saxony-Anhalt	458	0	21	2
Schleswig-Holstein	915	103	32	4
Thuringia	584	42	27	5
<b>Total</b>	<b>48,582</b>	<b>6,294</b>	<b>58</b>	<b>325</b>

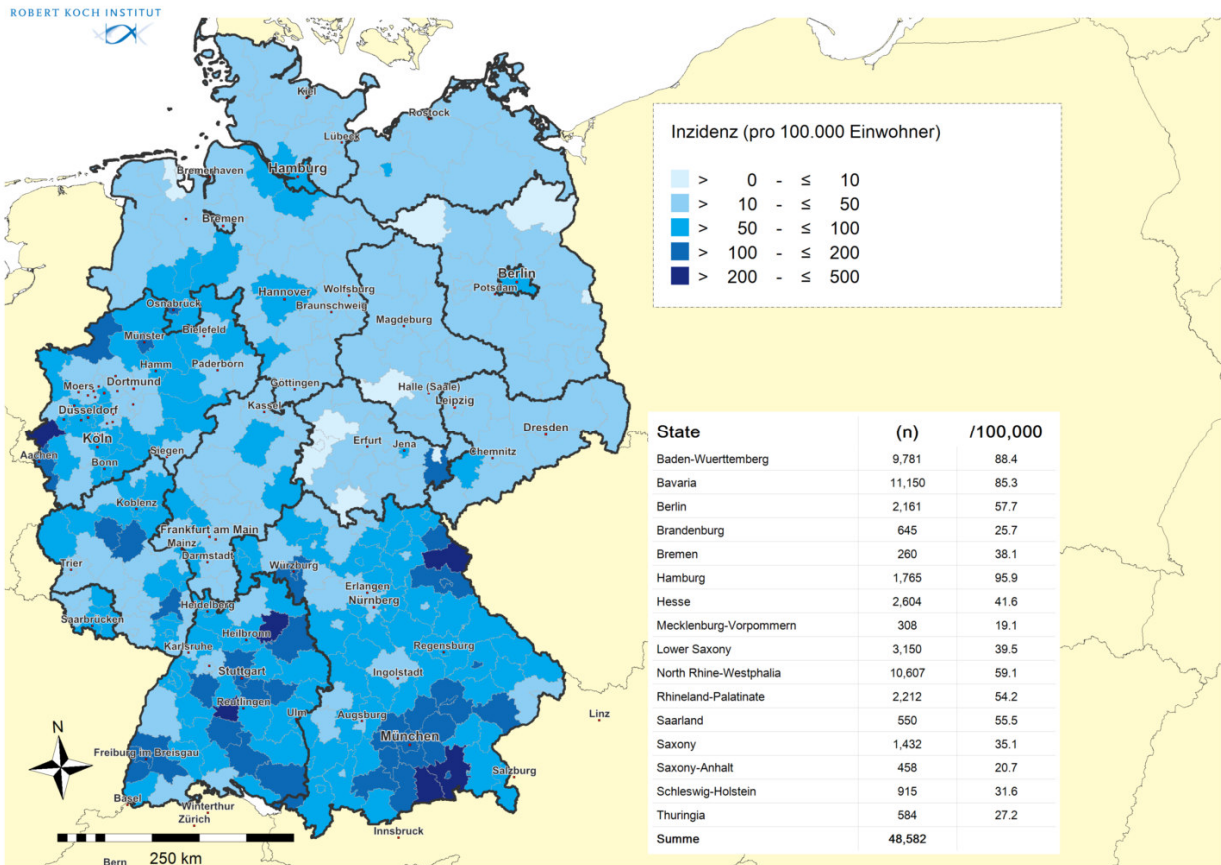


Figure 1: Distribution of the 48,582 electronically reported COVID-19-cases in Germany by county and state (28/03/2020, 12:00 AM). Please see the COVID dashboard (<https://corona.rki.de/>) for information on number of cases by local health authority.

**Time course**

Known dates of symptom onset ranged from 23/01/2020 through 27/03/2020. In 19,873 cases, onset of symptoms is unknown and therefore date of reporting is shown (see Figure 2).

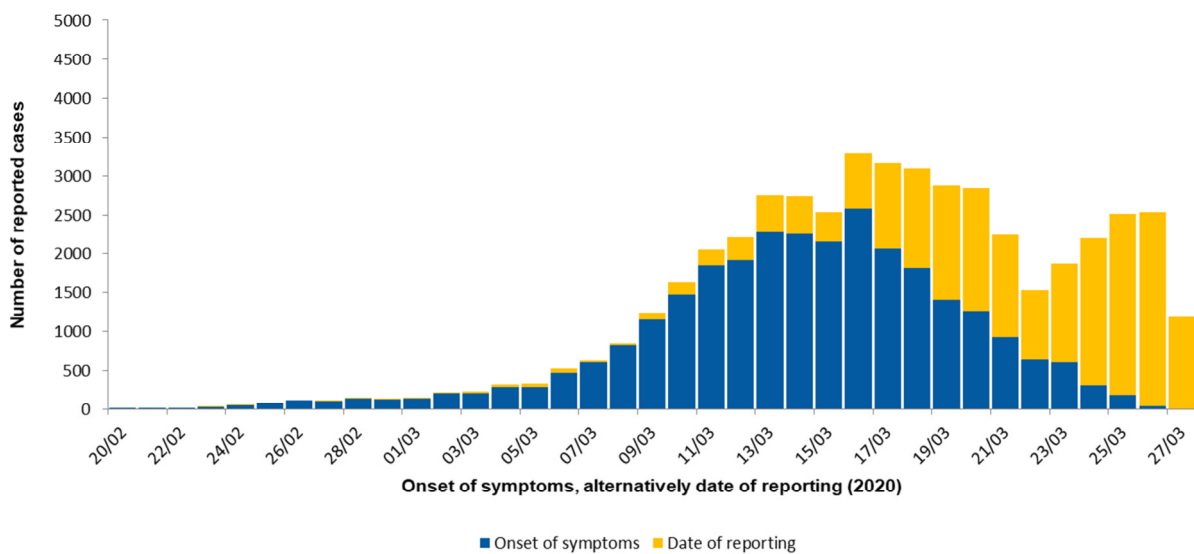


Figure 2: Epidemiological curve of the electronically reported COVID-19-cases in Germany by onset of symptoms and alternatively by date of reporting from 20/02/2020 (28/03/2020, 12:00 AM)

Note: The report is a snapshot and is continuously updated.

## Demographic distribution

Among these cases, 25,814 are male (53%) and 22,595 female (47%). In total, 343 children under the age of 5, 971 children aged 5 to 14 years, 36,537 persons aged 15 to 59 years and 10,587 persons 60 years and older (see Figure 3). The age of 144 notified cases is unknown. The median age is 48 years.

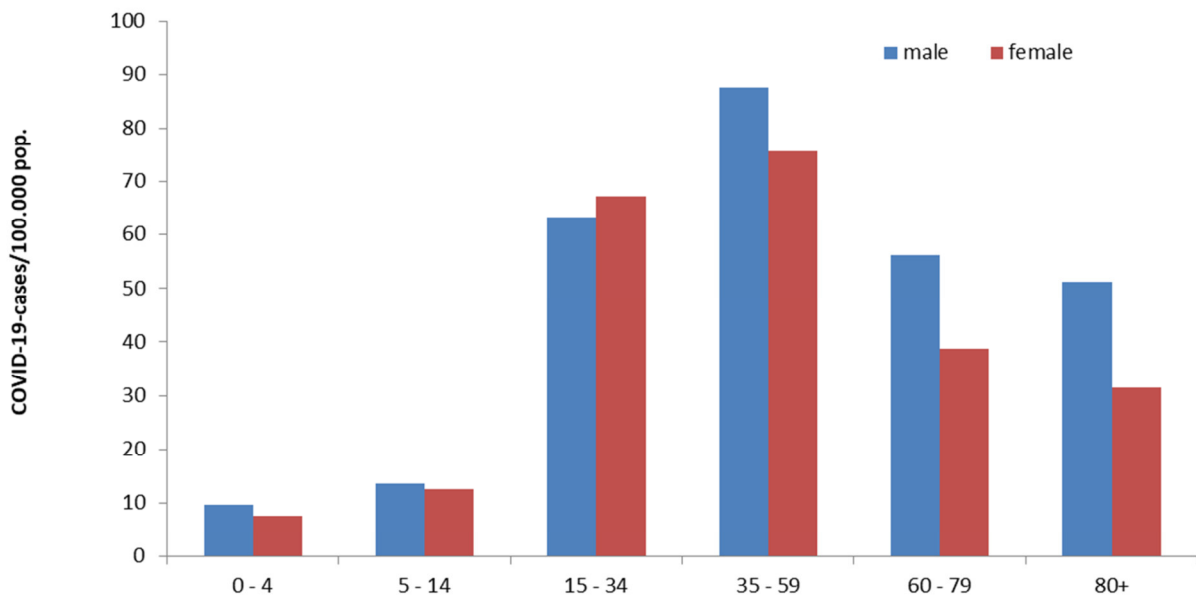


Figure 3: Electronically reported COVID-19-cases/100,000 population in Germany by age group and sex (n=48.277) cases with data available; 28/03/2020, 12:00 AM)

## Clinical aspects

Clinical information is available for 35,011 of the notified cases, of which 1,062 cases were reported as not having any symptoms considered significant for COVID-19. The most common manifestations are cough (18,768; 54%), fever (14,566; 42%), rhinorrhoea (8,065; 23%) and pneumonia (626; 2%). Hospitalisation was reported in 3,906 (11%) of the 35,346 COVID-19 cases with data available.

An estimated 9,600 persons have recovered from their COVID-19 infection. Cases were considered to have recovered if they had a known onset of disease on or before 14/03/2020, were not reported to have pneumonia or dyspnea, did not require hospitalisation or had already been discharged and did not die. Cases were included in the algorithm only if information on date of illness onset, symptoms, hospitalisation status and vital status were available.

The 325 COVID-19-related deaths reported in Germany since 09/03/2020 concerned 214 men and 110 women. The median age was 82 years and the range 28 to 100 years. Of all deaths, 283 (87%) were in persons 70 years or older (but only 10% of all cases). A 28 year old woman with severe underlying health conditions died in Bavaria.

## Assessment by the RKI

At the global and the national level, the situation is very dynamic and must be taken seriously. Severe and fatal courses occur in some cases. The number of cases in Germany continues to increase. The RKI currently assesses the risk to the health of the German population overall as **high**, but as **very high** for risk groups. The probability of serious disease progression increases with increasing age and existing previous illnesses. The risk varies from region to region. The burden on the health care system depends on the regional distribution of cases, health care capacity and initiation of containment

measures (isolation, quarantine, social distancing etc.), and may be very high in some regions. This assessment may change on short notice as a result of new findings.

## Measures taken by Germany

### Particularly affected areas in Germany

- The following regions are classified as particularly affected areas in Germany:
  - o District of Heinsberg (North Rhine-Westphalia) since 12/03/2020

### International risk areas

- The following countries and regions are classified as risk areas (28/03/2020) ([https://www.rki.de/DE/Content/InfAZ/N/Neuartiges\\_Coronavirus/Risikogebiete.html](https://www.rki.de/DE/Content/InfAZ/N/Neuartiges_Coronavirus/Risikogebiete.html)):
  - o Austria
  - o Egypt
  - o Iran
  - o Italy
  - o In France: Region Grand Est (this region includes Alsace, Lorraine and Champagne-Ardenne) and Île-de-France (incl. Paris)
  - o In South Korea: The province of Gyeongbuk-do (North-Gyeongbuk)
  - o In Spain: Madrid, the provinces Navarra and La Rioja and the Basque Country (País Vasco)
  - o In Switzerland: the cantons of Tessin, Valais and Geneva
  - o In the United States: The states of California, Washington, New York and New Jersey

The province of Hubei in China is no longer classified as an international risk area.

### Other measures

- [The government introduced a new law enhancing public protection in the event of epidemic emergencies with national concern. With this law the government \(national level\) will get additional competencies regarding different areas \(e.g. in the area of public transport, securing provision of pharmaceuticals and medical products, as well as regarding resources of the health sector\) for combating an epidemic of national concern. Furthermore there will be a compensation arrangement for parents experiencing reduced income due to child care needs.](#)
- The German Federal Ministry of the Interior proclaimed an entry ban for seasonal workers such as harvest workers as of 25 March 2020. The regulation applies to entry from all third countries and from most EU countries.
- As of March 23/2020, gatherings of more than 2 persons (with the exception of families and household members) are banned in all states. Restaurants and businesses concerned with body care were closed. In public spaces, all persons must maintain a distance of 1.5 metres to other individuals <https://www.bundesregierung.de/breg-de/themen/coronavirus/besprechung-der-bundeskanzlerin-mit-den-regierungschefinnen-und-regierungschefs-der-laender-1733248>
- As of March 16/2020, the Federal Government has temporarily restricted cross-border traffic from France, Austria, Luxembourg, Switzerland and Denmark.
- On March 18, 2020, the Federal Government of Germany implemented entry restrictions for non-EU citizens to Germany. Citizens of EU countries and Great Britain, Iceland, Liechtenstein, Norway and Switzerland are permitted to travel through Germany.