



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

31/03/2020 - UPDATED STATUS FOR GERMANY

Confirmed cases	Deaths	Deaths (%)	Recovered
61,913 (+4,615*)	583 (+128*)	0.9%	approx. 16,100**

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

*Change from previous day; **Estimation

Summary (as of 31/03/2020, 00:00 AM)

- In total, **61,913** COVID-19 cases and **583** deaths due to COVID-19 have been electronically reported to the Robert Koch Institute in Germany.
- All 16 federal states are affected. The incidence (cases per 100,000) of COVID-19 is highest in Hamburg (**119**), Bavaria (**113**) and Baden-Württemberg (**111**).
- Most cases (**74%**) are between 35 and 59 years old; men are more often affected than women.
- **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.
- A new law was implemented on 28/03/2020 for the protection of the public in the event of epidemic emergencies of national concern, endorsing the federal government with additional competencies for epidemic response.
- **As of March 31/03/2020 the entire countries of France and Spain are declared as international risk 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: 00:00 AM daily).

Since 27/01/2020, a total of **61,913 (+4,615)** laboratory-confirmed cases of coronavirus disease 2019 (COVID-19) have been electronically reported to and validated at the RKI, including **583** 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 and

<https://corona.rki.de>

Table 1: Number and cumulative incidence (per 100,000 population) of notified laboratory-confirmed COVID-19-cases and deaths per federal state, Germany (31/03/2020, 00:00 AM)

Federal State	Total Number of cases	Electronically notified cases		
		Number of new cases	Cases/100,000 pop.	Number of deaths
Baden-Wuerttemberg	12,334	1,391	111	165
Bavaria	14,810	821	113	162
Berlin	2,575	111	69	13
Brandenburg	798	37	32	2
Bremen	294	8	43	4
Hamburg	2,191	138	119	9
Hesse	3,283	192	52	17
Mecklenburg-Western Pomerania	366	10	23	1
Lower Saxony	4,063	331	51	34
North Rhine-Westphalia	13,225	1,047	74	117
Rhineland-Palatinate	2,726	142	67	19
Saarland	782	76	79	7
Saxony	1,882	87	46	12
Saxony-Anhalt	680	88	31	6
Schleswig-Holstein	1,120	71	39	9
Thuringia	784	65	37	6
Total	61,913	4,615	74	583

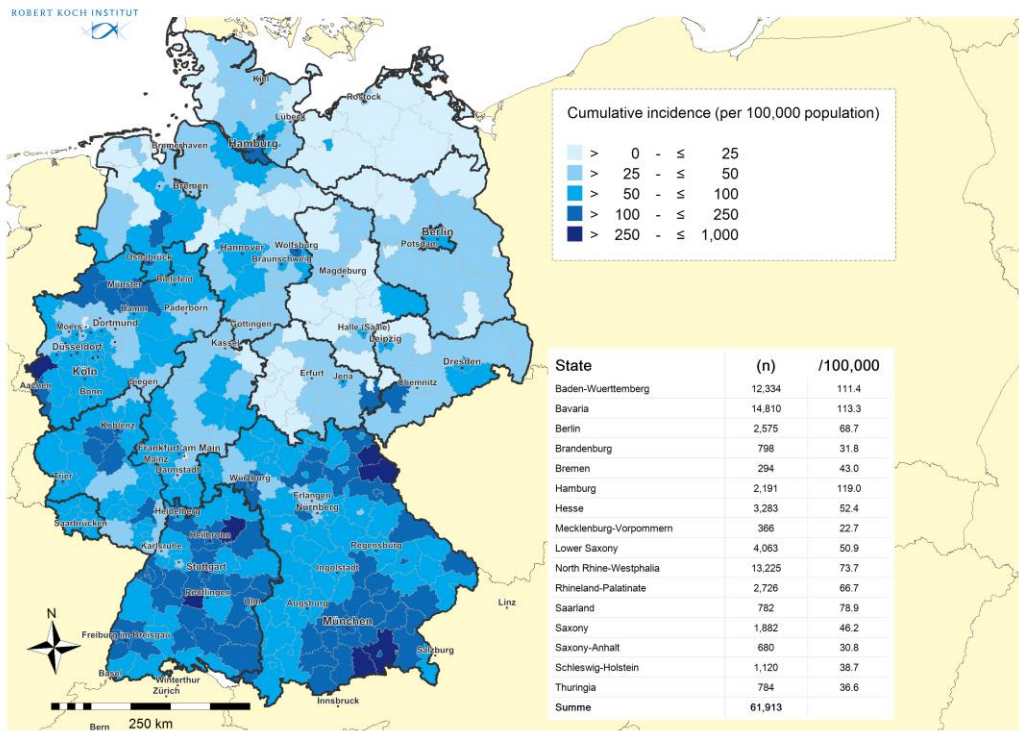


Figure 1: Number and cumulative incidence (per 100,000 population) of the 61,913 electronically reported COVID-19-cases in Germany by county and federal state (31/03/2020, 00:00 AM). Please see the COVID-19 dashboard (<https://corona.rki.de/>) for information on number of COVID-19-cases by county (local health authority).

Distribution of cases over time

Known dates of symptom onset ranged from 23/01/2020 through 30/03/2020. In 25,654 cases, onset of symptoms is unknown and therefore date of reporting is shown (see Figure 2).

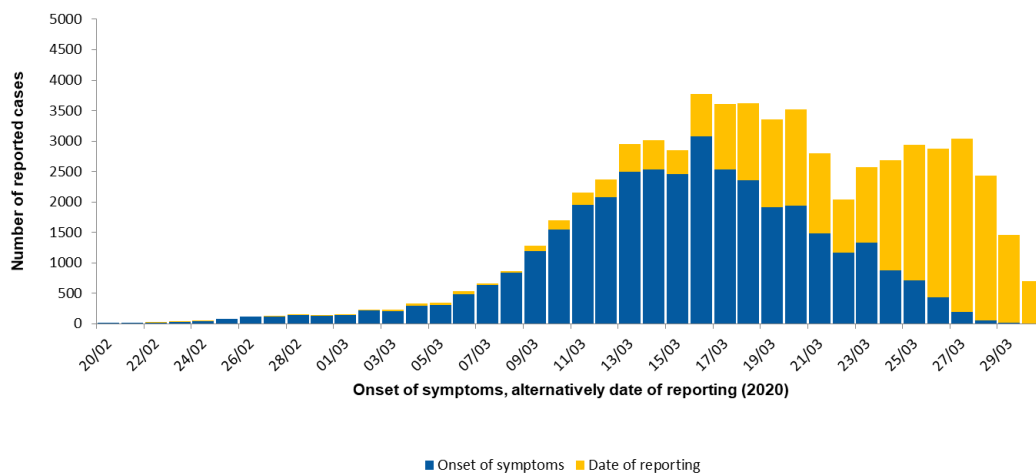


Figure 2: Number of electronically reported COVID-19-cases in Germany by date of symptom onset and alternatively by date of reporting from 20/02/2020, n=61,913 (31/03/2020, 00:00 AM)

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

Demographic distribution of cases

Of reported cases, 32,229 are male (52%) and 29,443 are female (48%). Among notified cases, there are 458 children under 5 years of age, 1,213 children aged 5 to 14 years, 45,523 persons aged 15 to 59 years, 11,280 aged 60 to 79 years and 3,268 persons aged 80 years and older (see Figure 3). The age of 171 notified cases is unknown. The median age of cases is 48 years.

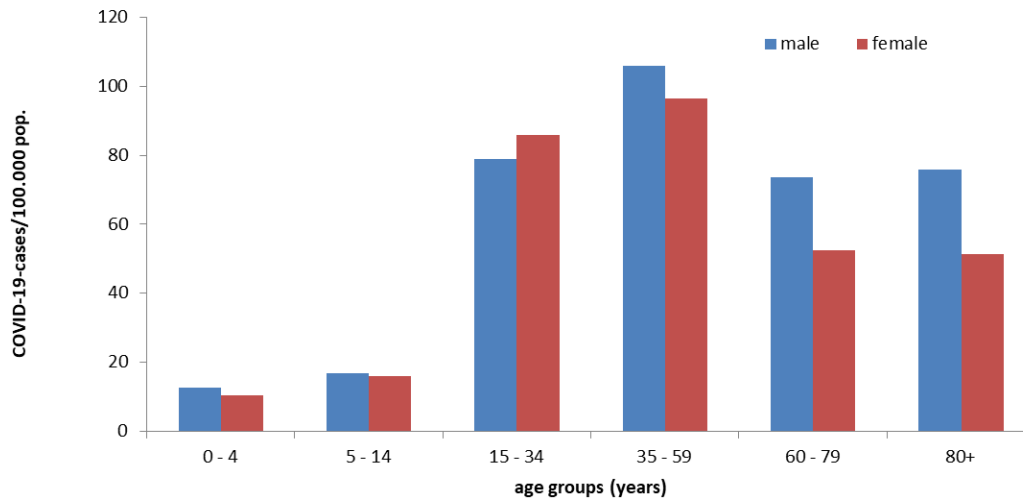


Figure 3: Electronically reported COVID-19-cases/100,000 population in Germany by age group and sex (n=61,742) for cases with information available (31/03/2020, 00:00 AM)

Clinical aspects

Information on symptoms is available for 44,323 of the notified cases. The most common manifestations are cough (23,532; 53%), fever (18,346; 41%), rhinorrhoea (10,100; 23%) and pneumonia (867; 2%). Hospitalisation is reported for 5,623 (13%) of 44,775 COVID-19 cases with information on hospitalisation available.

An estimated 16,100 persons have recovered from their COVID-19 infection. Cases were considered to have recovered if they had a known symptom onset on or before 17/03/2020, 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 symptom onset, symptoms, hospitalisation status and vital status were available.

The 583 COVID-19-related deaths reported in Germany since 09/03/2020 concerned 384 (66%) men and 198 (34%) women. The median age was 82 years and the range 28 to 104 years. Of all deaths, 507 (87%) were in persons 70 years or older. Of all reported cases only 12% were 70 years or older. Reports on COVID-19 related outbreaks in nursing homes are increasing. In these outbreaks the case fatality is high. In some of these outbreaks, the number of deaths is relatively high.

Table 2: Number of COVID-19-cases notified as having died by age group and sex (31/03/2020, 00:00 AM)

Sex	Age groups (years)				
	<60	60 - 69	70 - 79	80 - 89	>=90
male	26	32	102	185	38
female	5	12	28	120	33

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, hospitalisations and fatalities in Germany continues to increase. The RKI currently assesses the risk to the health of the German population overall as **high** and as **very high** for risk groups. The probability of serious disease progression increases with increasing age and underlying illnesses. The risk of disease varies from region to region. The burden on the health care system depends on the geographical and age distribution of cases, health care capacity and initiation of containment measures (isolation, quarantine, social distancing etc.), and may be very high in some geographical regions. This assessment may change on short notice as a result of new findings.

Measures taken by Germany

International risk areas

- The following countries and regions are classified as international risk areas (29/03/2020) (https://www.rki.de/DE/Content/InfAZ/N/Neuartiges_Coronavirus/Risikogebiete.html):
 - o Austria
 - o Egypt
 - o Iran
 - o Italy
 - o France
 - o In South Korea: The province of Gyeongsangbuk-do (North-Gyeongsang)
 - o Spain
 - o In Switzerland: the cantons of Tessin, Waadt 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

- Field teams of the RKI support outbreak containment measures with a focus on outbreaks in retirement and health care homes as well as hospitals in several federal states.
- Since 31.03.2020, the RKI no longer identifies particularly affected areas in Germany, as COVID-19 is now widespread throughout Germany. In many districts there are outbreaks, some with large case numbers. Data on current disease activity in the districts can be found on the dashboard and in the daily situation reports.
- A new federal law was implemented on 28/03/2020 for the protection of the public in the event of epidemic situations, granting the federal government additional competencies for the control of epidemics. <https://www.bundesgesundheitsministerium.de/presse/pressemitteilungen/2020/1-quartal/corona-gesetzpaket-im-bundesrat.html>
- As of 23 March 2020, gatherings of more than 2 persons (with the exception of families and household members) are banned in all federal 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>