



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

03/04/2020 - UPDATED STATUS FOR GERMANY

Confirmed cases	Deaths	Deaths (%)	Recovered
79,696 (+6,174*)	1,017 (+145*)	1.3	approx. 23,800**

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

*Change from previous day; **Estimation

Summary (as of 03/04/2020, 12:00 AM)

- In total, **79,696** COVID-19 cases and **1,017** 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 Bavaria (**155**), Baden-Württemberg (**145**) and Hamburg (**141**).
- Most cases (**72%**) are between 15 and 59 years old; men (**51%**) and women (**49%**) are almost equally affected
- 86% of deaths, but only **13%** of all cases, 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.

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: 12:00 AM daily).

Since 27/01/2020, a total of **79,696 (+6,174)** laboratory-confirmed cases of coronavirus disease 2019 (COVID-19) have been electronically reported to and validated at the RKI, including **1,017** 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 (03/04/2020, 12:00 AM)

Federal State	Total Number of cases	Electronically notified cases		Number of deaths
		Number of new cases	Cases/100,000 pop.	
Baden-Wuerttemberg	16,059	1,397	145	285
Bavaria	20,237	1,741	155	307
Berlin	3,202	232	85	20
Brandenburg	1,075	80	43	9
Bremen	341	14	50	6
Hamburg	2,596	190	141	16
Hesse	3,993	286	64	33
Mecklenburg-Western Pomerania	468	30	29	4
Lower Saxony	5,081	386	64	65
North Rhine-Westphalia	16,606	1,179	93	178
Rhineland-Palatinate	3,362	230	82	26
Saarland	1,079	59	109	12
Saxony	2,336	153	57	21
Saxony-Anhalt	836	32	38	11
Schleswig-Holstein	1,443	108	50	15
Thuringia	982	57	46	9
Total	79,696	6,174	96	1,017

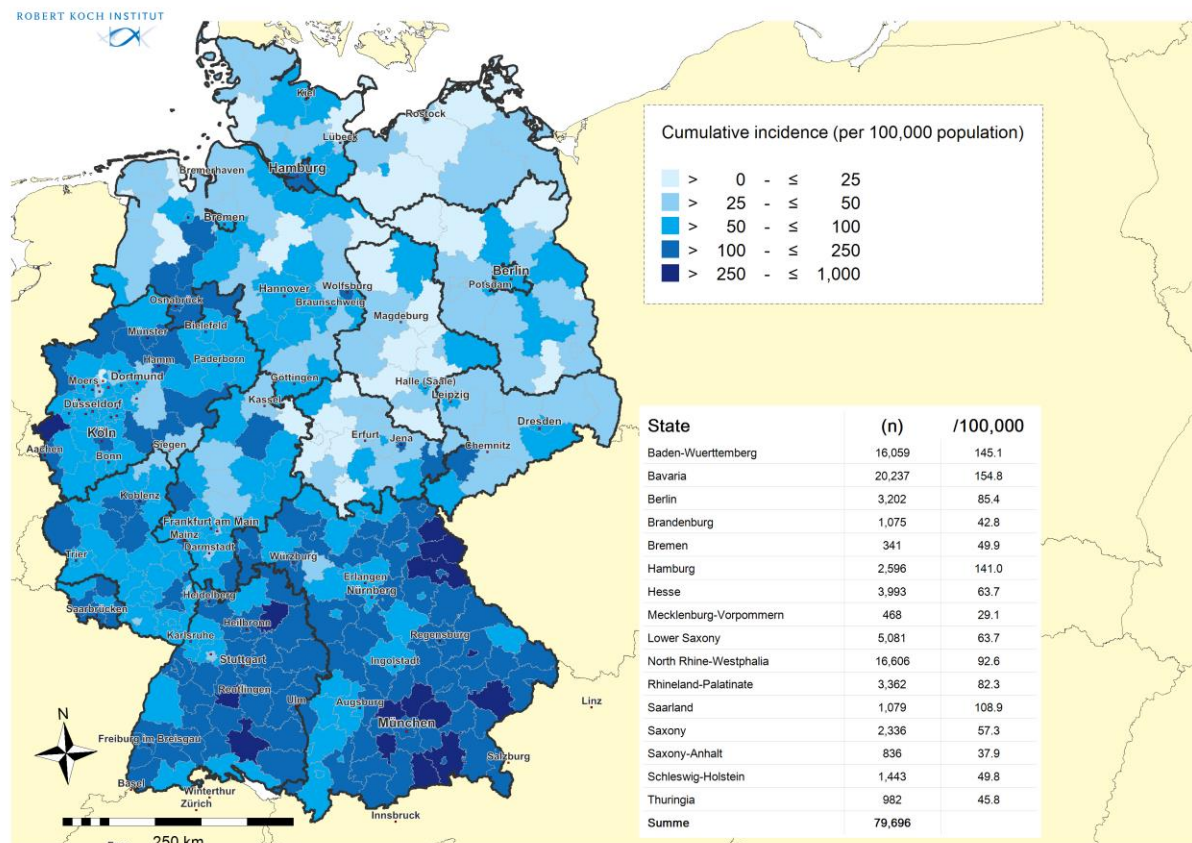


Figure 1: Number and cumulative incidence (per 100,000 population) of the 79,696 electronically reported COVID-19-cases in Germany by county and federal state (03/04/2020, 12:00 AM).

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

COVID-19-cases were first notified in Germany in January 2020. In 31,759 cases, onset of symptoms is unknown and therefore date of reporting is shown (see Figure 2).

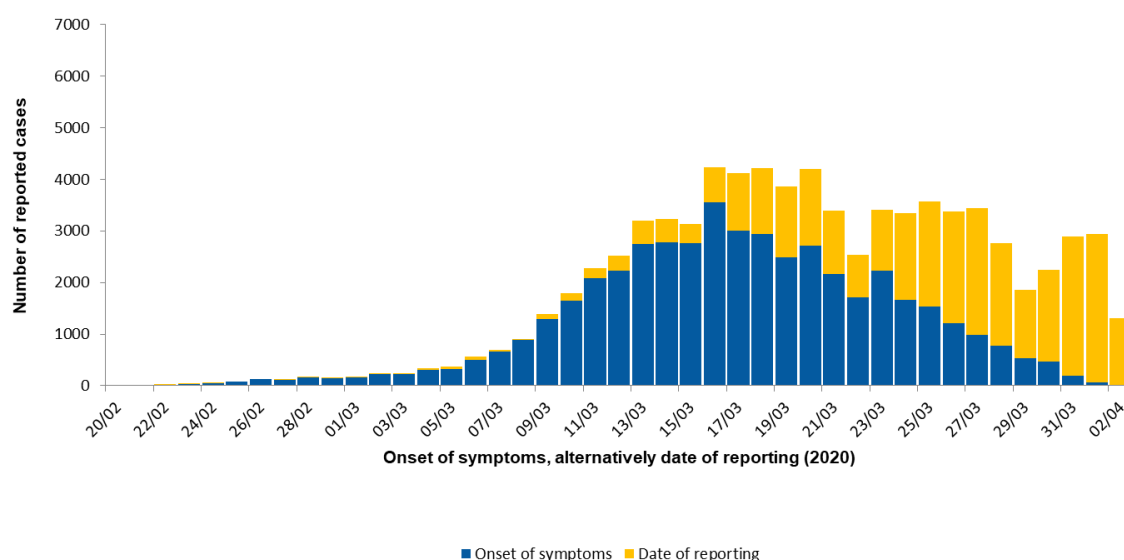


Figure 2: Number of electronically reported COVID-19-cases in Germany by date of symptom onset and alternatively by date of reporting from 20/02/2020 (03/04/2020, 12:00 AM)

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

Demographic distribution of cases

Of reported cases, 51% are male and 49% are female. Among notified cases, there are 602 children under 5 years of age, 1,560 children aged 5 to 14 years, 57,228 persons aged 15 to 59 years, 15,036 aged 60 to 79 years and 5,090 persons aged 80 years and older (see Figure 3). The age of 180 notified cases is unknown. The median age of cases is 49 years.

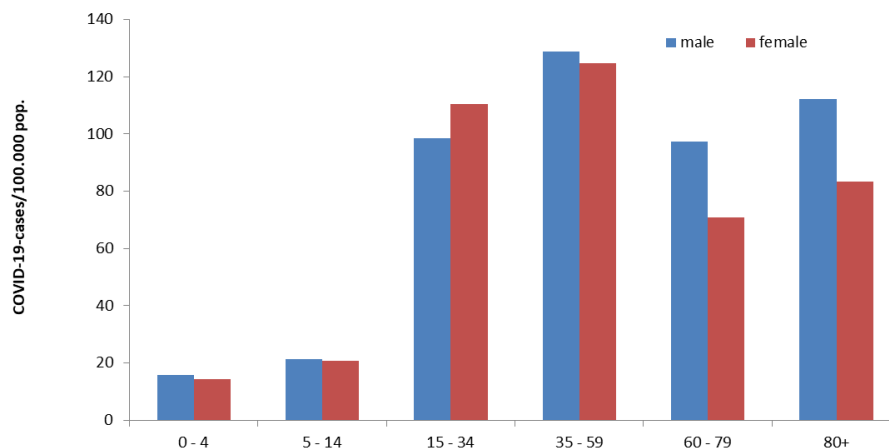


Figure 3: Electronically reported COVID-19-cases/100,000 population in Germany by age group and sex (n=79,266) for cases with information available (03/04/2020, 12:00 AM)

Clinical aspects

Information on symptoms is available for 58,209 of the notified cases. The most common symptoms are cough (53%), fever (42%) and rhinorrhoea (23%). Pneumonia was reported in 1,250 cases (2%). Hospitalisation was reported for 8,055 (14%) of 58,779 COVID-19 cases with information on hospitalisation available.

An estimated 23,800 persons are estimated to have recovered from their COVID-19 infection. Cases were considered to have recovered if they had a known symptom onset on or before 20/03/2020, 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 1,017 COVID-19-related deaths reported in Germany since 09/03/2020 concerned 661 (65%) men and 354 (35%) women. The median age was 82 years and the range 28 to 105 years. Of all deaths, 871 (86%) were in persons 70 years or older, but only 13% of all cases were 70 years or older. Reports on COVID-19 related outbreaks in nursing homes are increasing. 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 (available for 1,014 of the 1,017 deaths; 03/04/2020, 12:00 AM)

Sex	Age groups (years)				
	<60	60 - 69	70 - 79	80 - 89	>=90
male	46	64	180	310	61
female	9	25	60	201	58

DIVI intensive care register

A registry of the German Interdisciplinary Association for Intensive and Emergency Medicine (DIVI), the RKI and the German Hospital Federation (DKG) was set up to document the capacities for intensive care as well as the number of COVID-19 cases treated in participating hospitals:

<https://www.divi.de/register/intensivregister>.

As of 03/04/2020, 1,052 hospitals or departments are participating (+77 since yesterday). A total of 22,196 intensive care beds were registered, of which 12,499 (56%) are occupied and 9,697 beds are currently available; 9,178 beds are expected to become available within 24 hours (Table 3).

Table 3: COVID-19 patients requiring intensive care (ICU) recorded in the DIVI register (03/04/2020, 7:15 am)

	Number of patients	Percentage	Changes to previous day*
Currently in ICU	2,424		+285
- of these: mechanically ventilated	2,021	83%	+224
Discharged from ICU	1,200		+293
- of these: deaths	392	33%	+83

*partly due to an increase in the number of reporting hospitals

Laboratory tests

In addition to the available aggregated weekly data on SARS-CoV-2 testing in Germany (see Situation Report 02.04.2020), the national Network for the Surveillance of Antibiotic resistance (ARS) is collecting more detailed data on SARS-CoV-2 tests being performed by participating laboratories on a daily basis. Thus far, the currently 48 participating laboratories performed 283,992 tests, of which 22,896 (8,1%) were positive for SARS-CoV-2 (as of 02.04.2020). More details can be found here:

https://www.rki.de/DE/Content/Infekt/EpidBull/Archiv/2020/Ausgaben/15_20.pdf?__blob=publicationFile

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 (31/03/2020) (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 city of Daegu and 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 are currently supporting 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 specifies particularly affected areas in Germany. Outbreaks are ongoing in many districts, some with high case numbers. Data on current disease activity in the districts can be found on the dashboard <https://corona.rki.de/> 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-gesetzespaket-im-bundesrat.html>
- As of 23/03/2020, 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-bundestkanzlerin-mit-den-regierungschefinnen-und-regierungschefs-der-laender-1733248>