Situation Report

HZI Analysis, Output and Research

12 August, 2021

# 1 Introduction

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## 1.1 Overview

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Table 1.1: Overview Table

| **Total cases** | **New cases** | **Total hospitalizations** | **New hospitalizations** | **Total deaths** | **New deaths** | **7 Day Incidence** | **Change in 7 day incidence since yesterday** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 10 000 | 31 | 753 | 2 | 35 | 0 | 0.43 | -0.08 |

# 2 Epidemic Dynamic

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## 2.1 Time series data

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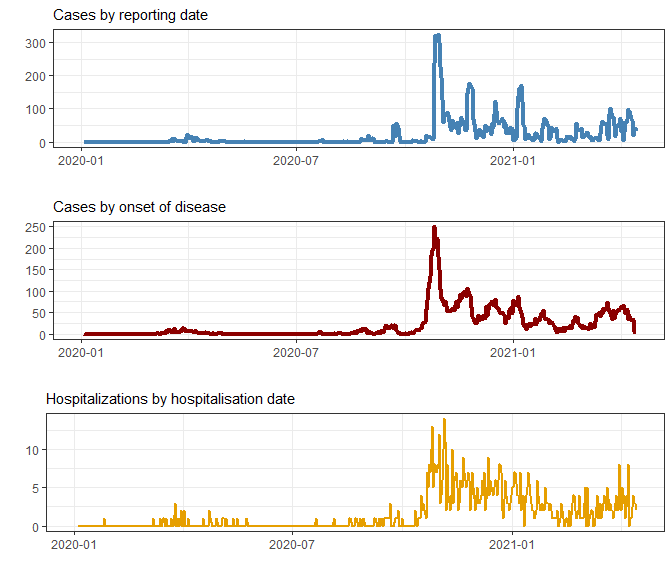


Figure 2.1: Time series data

## 2.2 Death incidences by age groups

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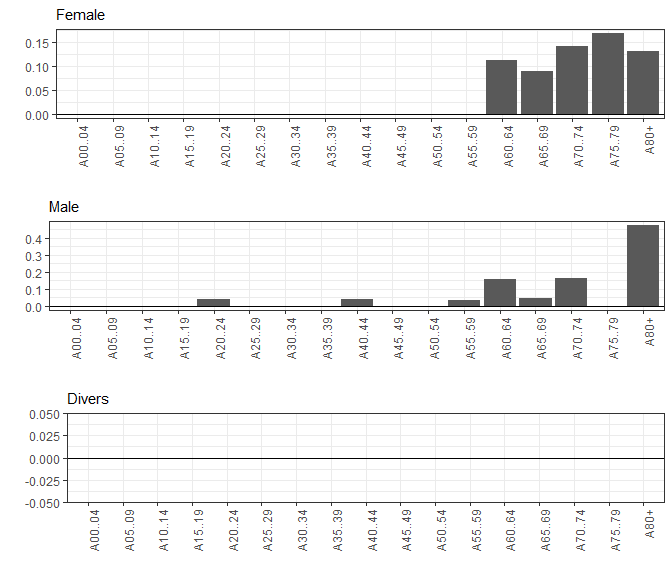


Figure 2.2: Death Incidences Distribution

# 3 Regional Situation

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## 3.1 State level table

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Table 3.1: State Level Table

| **State** | **Total cases** | **New cases** | **Total hospitalizations** | **New hospitalizations** | **Total deaths** | **New deaths** | **7 Day Incidence** | **Change in 7 day incidence since yesterday** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Baden-WÃ¼rttemberg | 948 | 0 | 64 | 0 | 2 | 0 | 1.13 | -0.44 |
| Bayern | 1 886 | 1 | 145 | 1 | 8 | 0 | 0.48 | -0.20 |
| Berlin | 1 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| Brandenburg | 499 | 0 | 41 | 0 | 7 | 0 | 0.00 | 0.00 |
| Bremen | 15 | 1 | 0 | 0 | 0 | 0 | 0.30 | 0.15 |
| Hamburg | 1 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| Hessen | 1 600 | 0 | 128 | 0 | 1 | 0 | 0.02 | -0.01 |
| Mecklenburg-Vorpommern | 193 | 0 | 15 | 0 | 0 | 0 | 0.00 | 0.00 |
| Niedersachsen | 1 179 | 1 | 93 | 0 | 2 | 0 | 0.20 | -0.15 |
| Nordrhein-Westfalen | 1 886 | 14 | 127 | 0 | 7 | 0 | 0.30 | 0.07 |
| Rheinland-Pfalz | 691 | 5 | 66 | 0 | 3 | 0 | 0.69 | 0.10 |
| Saarland | 45 | 2 | 2 | 0 | 2 | 0 | 0.30 | 0.20 |
| Sachsen | 122 | 0 | 6 | 0 | 0 | 0 | 0.56 | -0.05 |
| Sachsen-Anhalt | 185 | 1 | 15 | 1 | 1 | 0 | 0.04 | 0.04 |
| Schleswig-Holstein | 390 | 0 | 24 | 0 | 1 | 0 | 0.38 | -0.18 |
| ThÃ¼ringen | 359 | 6 | 27 | 0 | 1 | 0 | 1.38 | 0.27 |

## 3.2 County level map

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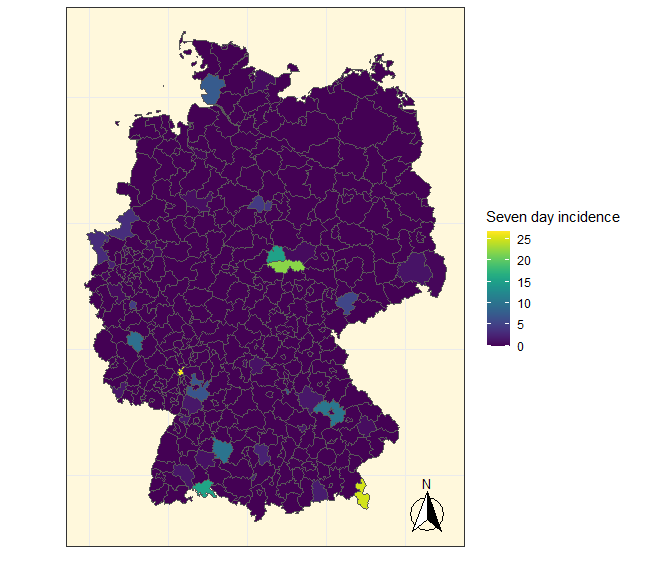


Figure 3.1: County level map

# 4 Remarks

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As illustrated in Figure 2.1 there was a spike in all three time series in the third quarter of 2020.

Table 3.1 and Table 1.1 show summary statistics.

(Lang, Nöhrbaß, and Stahl [1997](#ref-lang1997income))

(Wickham et al. [2021](#ref-dplyrref))

# 5 References

Lang, Oliver, Karl-Heinz Nöhrbaß, and Konrad Stahl. 1997. “On Income Tax Avoidance: The Case of Germany.” *Journal of Public Economics* 66 (2): 327–47.

Wickham, Hadley, Romain François, Lionel Henry, and Kirill Müller. 2021. *Dplyr: A Grammar of Data Manipulation*. <https://CRAN.R-project.org/package=dplyr>.