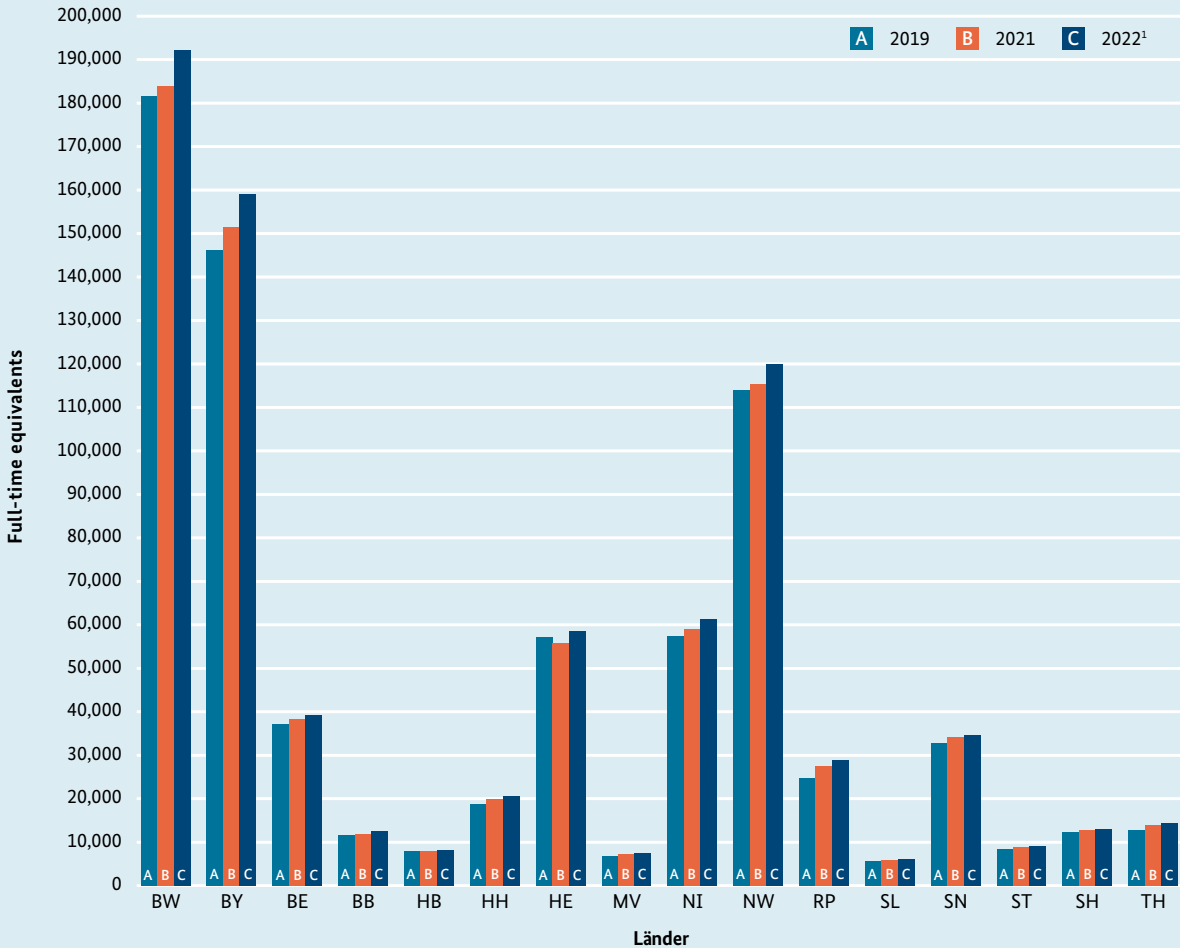


**Chart 1.7.3**    **Regional breakdown of R&D personnel, based on full-time equivalents**  
(2019/2021/2022)



**Explanation of abbreviations/symbols:** R&D = research and development; for abbreviations of the Länder see glossary.

1) In even-numbered years, allocation to the federal states on a percentage basis according to the shares from the previous year.

**Source:** Stifterverband Wissenschaftsstatistik, special evaluation; Federal Statistical Office, special evaluation

**BMBF's Data Portal:** Additional data: [datenportal.bmbf.de/en/1.7.3](https://datenportal.bmbf.de/en/1.7.3)

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(<https://www.govdata.de/dl-de/by-2-0>)