

North Macedonia

Release: June 2023

Data Source

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Data: © Michael Bauer Research GmbH 2023 based on © State Statistical Office, Eurostat.
Boundaries: © Michael Bauer Research GmbH, Nuremberg, Germany, 2022.
Settlement Points: These settlement points were created using the 2022 European Commission Global Human Settlement Layer (GHSL). More information about the data can be found here: <https://ghslsys.jrc.ec.europa.eu>. The data was verified using the latest Esri imagery and Michael Bauer Research 2021 population.

Dataset Information

North Macedonia	
3 Letter ISO Country code	MKD
Currency	Macedonian denar
3 Letter Currency code	MKD
Number of attributes available	126
Number of geography levels	5

Geography Levels

Geography Levels	Geography Levels Available for North Macedonia	Available through ArcGIS.com Maps	Feature Count
Country	X	X	1
Postcodes1	X		4
Statistical Regions	X	X	8
Postcodes2	X		17
Municipalities	X	X	80

Data Apportionment Settings

Learn about [data apportionment](#)

Threshold Upper Bound	Aggregation Method	Level of Geography
150 km	Block Apportion	MK.Municipalities
250 km	Centroids In Polygon	MK.Municipalities
more	Centroids In Polygon	MK.Postcodes2

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Change Summary

Changes to geography level names

None.

New Attributes

Attribute Name	Alias Name	Category
EDUC02A_CY	2022 Pop 15+/Edu: Incomplete Primary/Secondary Education	Education
EDUC03A_CY	2022 Pop 15+/Edu: Primary/Lower Secondary Education	Education
EDUC04A_CY	2022 Pop 15+/Edu: Secondary Education	Education
EDUC05A_CY	2022 Pop 15+/Edu: High Education	Education
EDUC06A_CY	2022 Pop 15+/Edu: Master's Degree	Education
EDUC07A_CY	2022 Pop 15+/Edu: Doctorate	Education
EDUC08A_CY	2022 Pop 15+/Edu: Unknown	Education
HTYP01B_CY	2022 HHs: Married Couple w/ Children or Other	Households
HTYP02B_CY	2022 HHs: Married Couple w/o Children or Other	Households
HTYP03B_CY	2022 HHs: Single Mother w/ Children or Other	Households
HTYP04B_CY	2022 HHs: Single Father w/ Children or Other	Households
HTYP05B_CY	2022 HHs: Unmarried Couple w/ Children or Other	Households
HTYP06B_CY	2022 HHs: Unmarried Couple w/o Children or Other	Households
HTYP07B_CY	2022 HHs: Two or More Families or Other	Households
HTYP08B_CY	2022 HHs: Single Person Household or Other	Households
HTYP09B_CY	2022 HHs: Multi-Person Non-Family HH or Other	Households

Attributes no longer available

Attribute Name	Alias Name	Category
EDUC02_CY	2021 Pop 15+/Edu: Incomplete Primary Education	Education
EDUC03_CY	2021 Pop 15+/Edu: Primary Education	Education
EDUC04_CY	2021 Pop 15+/Edu: Secondary Education	Education
EDUC05_CY	2021 Pop 15+/Edu: High School	Education
EDUC06_CY	2021 Pop 15+/Edu: Higher Education/Academy	Education
EDUC07_CY	2021 Pop 15+/Edu: Master's Degree	Education
EDUC08_CY	2021 Pop 15+/Edu: Doctorate	Education
EDUC09_CY	2021 Pop 15+/Edu: In Primary School	Education
HTYP01A_CY	2021 HHs: Married Couple with Children	Households
HTYP02A_CY	2021 HHs: Married Couple without Children	Households
HTYP03A_CY	2021 HHs: Single Mother with Children	Households
HTYP04A_CY	2021 HHs: Single Father with Children	Households
HTYP05A_CY	2021 HHs: Unmarried Couple with Children	Households
HTYP06A_CY	2021 HHs: Unmarried Couple without Children	Households
HTYP07A_CY	2021 HHs: Two or More Families	Households

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Attributes no longer available

Attribute Name	Alias Name	Category
HTYP08A_CY	2021 HHs: Single Person Household	Households
HTYP09A_CY	2021 HHs: Multi-person Non-family Household	Households

Change Notes

Market Data are now projections for 2022 (before: 2021). Unemployed persons are shown for 2021 (before 2020). The Purchasing Power projections for 2022 show an upward trend compared to the projections for 2021 due to high inflation. Consumer Spending in 2022 in Europe shows variations compared to 2021 with shifts within categories due to the lifting of restrictions under the Covid 19 pandemic. Using new input data from the Census 2021 leads to deviations in the Age and Gender data. Due to a new structure within the official source data, for Education higher deviations may occur in comparison to the previous version.

The settlement points have been updated from 2017 Esri raster-based points to the 2022 European Commission Global Human Settlement Layer (GHSL) raster points. This data is newer and more detailed than the previous Esri raster-based data. These settlement points are an improvement over the previous version and could result in changes to previously run values in some trade areas. Settlement points are used in the data apportionment algorithm to redistribute data variables to input polygon features.

Other Data Notes

Households are based on the per household values of the respective Opstini. Age bands, sex and unemployed persons are based on the per capita values of the respective Opstini. Households by Type are based on the per household values of the respective Opstini. Education is based on the per capita values of the respective Opstini. Purchasing Power is based on the per capita values of the respective Opstini. Consumer Spending are based on the per capita values of the respective Opstini.