

A research publication by DZ HYP | October 2024

# THE GERMAN RESIDENTIAL REAL ESTATE MARKET 2024 | 2025

An asset class facing both  
opportunities and challenges

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# PREFACE

Dear readers,

Times remain challenging for real estate markets. But they also present opportunities, especially for the residential asset class. Investments in rented apartments are considered to be comparatively low-risk, given the combination of insufficient suitable supply and growing demand. Enough reason for us to dedicate a specific market report to the residential segment. In this report, we begin by examining current developments in the housing market as well as underlying factors such as demography and the current situation regarding new construction. The report then goes on to examine the individual markets in the seven largest German cities and in twelve important regional centres.

While investors benefit from solid – albeit high-priced – investment opportunities, the situation for those seeking housing remains tense. Following a sharp increase in construction and financing costs, new construction has been lacking momentum for several years and remains significantly below political goals. This is exacerbated by an inventory that fails to meet demand, leading to dynamically rising rents for new contracts and first occupancies. Further rent increases of around five per cent on average are to be expected at the locations covered by the report for the current year and for 2025. Hence, there is hardly any scope for real relief on the housing market over the medium term. Such a development would require a combination of increased new construction and more efficient use of the existing inventory.

As one of the leading real estate banks in Germany, we regularly analyse the markets we actively cover. This report on the residential asset class complements our existing publications “The German Real Estate Market” and “Regional Real Estate Markets”, which we issue in the spring and autumn of each year, respectively. We also analyse the commercial real estate markets in individual German federal states – In November, we will publish a report covering the German federal states of Hesse, Rhineland-Palatinate and Saarland. Reports on developments in Bavaria, Berlin and the eastern German states are planned for 2025.

For more information on our market research, please visit our website at <https://www.dzhyp.de/en/about-us/market-research/>.

Yours sincerely,

**DZ HYP**

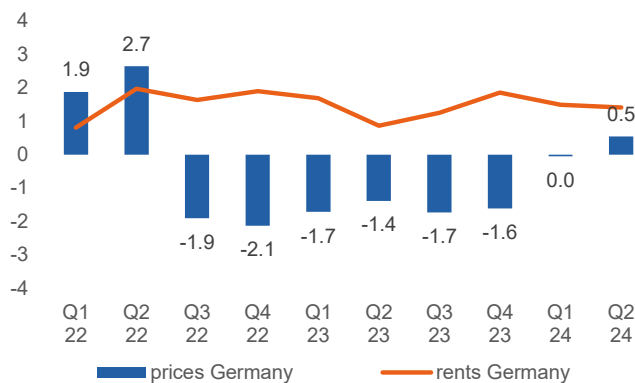
October 2024

## SUMMARY

- » The sharp hike in interest rates has impacted very negatively on property market valuations, causing the previously high level of interest in real estate to dwindle. However, while the prospects for commercial property remain gloomy, the outlook for residential property is considerably brighter. This view is also confirmed by our market report, which analyses conditions in the housing market as a whole and, in a narrower focus, in 19 cities.
- » Immigration and more single-person households are driving up demand for housing. Because new build activity has been much too low, reserves in the existing housing stock are often depleted. Vacancy rates are less than 1 per cent in some areas. The disparity between supply and demand is driving rents up rapidly, and is steering investor interest towards residential property.
- » Conditions in the housing markets are likely to intensify further in the coming years. High building and financing costs are hampering new construction and will probably lead to a sharp fall in the number of completions. Residential rentals will therefore remain a safe bet in future.
- » However, participation comes at a price. Although the prices of multi-occupancy homes have fallen as a result of the valuation correction, they are not cheap. In both absolute and relative terms, prices are clearly higher today than in 2012, when interest rates were at a similar level.
- » Interest in real estate investment is supported by the prospect of falling interest rates and the end of the valuation correction. However, the medium to long-term interest rates relevant here will probably only fall moderately. Visibly higher property values, acting as yield drivers, are therefore unlikely to materialise. This means that the improvement in rental cash flow as a component of the overall return on real estate will become all the more important.

**Residential property is a promising, but also relatively expensive asset class**

**MULTI-OCCUPANCY HOMES: THANKS TO RISING RENTS, VALUATION CORRECTION IS COMPARATIVELY MODERATE**  
PRICES AND RENTS COMPARED TO PREVIOUS QUARTER IN %



Source: vdp

**OVERVIEW OF LOCATIONS COVERED IN THE MARKET REPORT**

city	federal state	city	federal state
regional property centres		top locations	
Augsburg	Bavaria	Berlin	Berlin
Bremen	Bremen	Cologne	North Rhine Westf.
Darmstadt	Hesse	Düsseldorf	North Rhine Westf.
Essen	North Rhine Westf.	Frankfurt	Hesse
Hannover	Lower Saxony	Hamburg	Hamburg
Karlsruhe	Baden-Württemb.	Munich	Bavaria
Leipzig	Saxony	Stuttgart	Baden-Württemb.
Dresden	Saxony		
Mainz	Rheinland Palat.		
Mannheim	Baden-Württemb.		
Münster	North Rhine Westf.		
Nuremberg	Bayern		

Source: DZ BANK

## Opportunities for investors – turnaround will impact housing market first

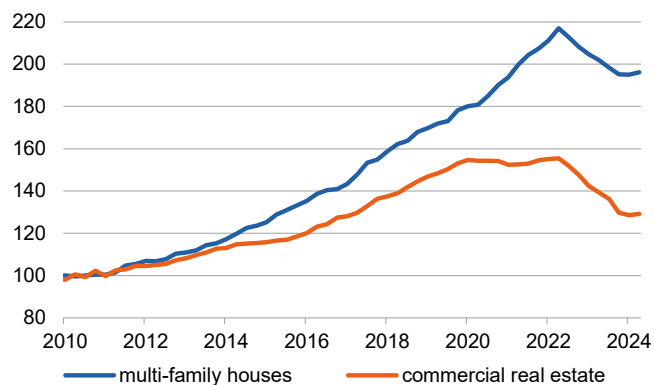
One of the many new eras which have begun in recent years has impacted the property market. At times when bond yields are falling and have been in negative territory for several years, commercial property and multi-family homes have been sought-after investment alternatives; returns, while also falling, have at least been very positive. Rising rents, and an even faster upward trend in valuations have also acted as yield drivers. However, the hike in interest rates and gloomier rental prospects as a result of e-commerce, home working and weak economic growth, have made investors reluctant to invest in the property market. While from 2018 to 2022, on average EUR 22bn per quarter was invested in real estate, in the first two quarters of 2024 the figure was only EUR 7bn. However, the fact that the two-year valuation correction came to an end in mid-2024 is positive.

However, given the fairly gloomy outlook, there is no sign of a rapid recovery, at least in commercial real estate. Bond yields and interest rates are not falling as quickly as hoped, but rental prospects are being adversely affected by negative sentiment for companies and consumers. Conversely, the situation looks much better in the housing market. In contrast to weak demand for commercial space, demand for housing is growing and is usually coming up against a severe housing shortage; due to high building and financing costs, this issue is also unlikely to be mitigated to any great extent in the coming years. The prospects for residential rentals are correspondingly good.

**Interest rate hike, economic slowdown and lower space demand herald new era for property market**

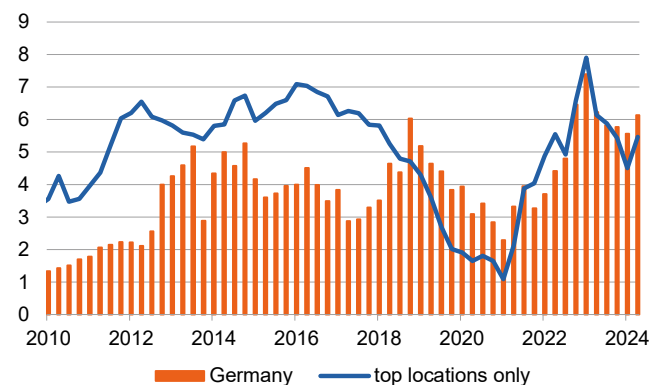
**Housing market a safe bet: residential rental prospects are good**

**DESPITE A SHARPER INCREASE, RESIDENTIAL VALUATION CORRECTION LESS MARKED THAN FOR COMMERCIAL PROPERTY**  
PROPERTY PRICE INDICES 2010 = 100



Source: vdp

**RENTED FLATS IN SHORT SUPPLY: RENTS RISING ALMOST EVERYWHERE, NOT ONLY IN MAJOR CITIES**  
RESIDENTIAL RENTS, IN % COMPARED TO PREVIOUS YEAR



Source: vdp

The property market correction for the housing segment has not only therefore been comparatively mild, it has also ended sooner. **This market report assesses the future prospects for this segment from the investor's point of view, and examines the trend in the housing market and underlying influential factors such as demographics and new building. In the subsequent macro view we also review the housing markets of the 19 locations familiar from the "regional property centres" market report.** These consist of 12 important regional centres throughout Germany and the 7 largest German cities, the top locations.

**Housing market report highlights key factors of influence and reviews 19 locations**

### Market trend housing – tensions continue to escalate

As the tensions in the housing market have grown, they have also received more frequent media coverage. The focus is on high, and rapidly rising rents, and increasing difficulties in finding a rental apartment at all. This issue has undoubtedly become a sad reality, as demonstrated for example by Hamburg. SAGA – a large municipal housing association in the Hanseatic city – reported a vacancy rate of only 0.2 per cent in its 140,000 apartments in 2023. Of more than 7,000 apartments which become vacant each year, 4,000 are allocated to vulnerable people, while 100,000 people compete to rent the other 3,000; this represents a theoretical waiting time of 33 years to move into one of the comparatively low-priced SAGA apartments. Hamburg is not an extreme example here since the situation is no better in many other cities.

However, the finding of high and rising rents is only partially true. 53 percent of the 43 million apartments in Germany are rented, but mostly at moderate rents. This is reflected in the 2022 Census figures published in the summer which show that 85 per cent of households paid a cold rent of less than EUR 10 per sqm. The average rent was EUR 7.28 per sqm. However, anyone who signs a rental contract for an existing or new build apartment, will easily pay double this amount, and in Munich even three times the average rent.

Because rents for existing properties increase much more slowly over time than new contract rents, the divergence between existing and market rents has become ever wider. There is correspondingly little incentive for tenants to move, and virtually no apartments are therefore becoming available. Tenants also stay in their apartments, even when they no longer meet their requirements, for example after children have moved out. On average, SAGA tenants only move after about 20 years. Since 2020, the already low fluctuation rate of 5.5 per cent has fallen further to 4.8 per cent by 2023. Low-cost living space is increasingly being “hoarded”, and the diverging trends in existing and market rents are aggravating the tensions in the housing market further. Conditions in the housing market are therefore less difficult for existing, longstanding tenants, than for people looking for apartments.

The steep rise in rents is being driven by the limited supply of available apartments, while housing demand is growing in many cities. This is attributable to the marked increase in the number of households, due on the one hand to immigration, which has intensified further since the war in Ukraine began in 2022. On the other hand,

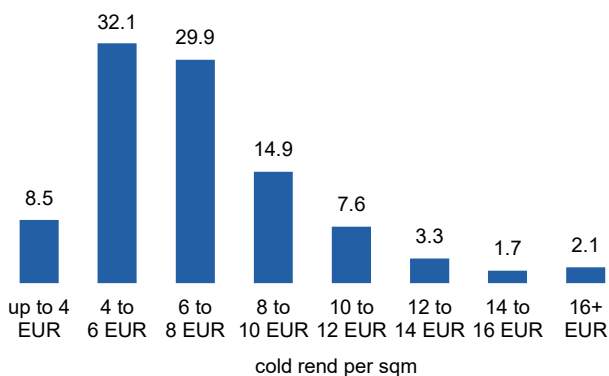
**Main problem in housing market is supply shortage**

**Existing tenants usually pay moderate rents, but new contract rents are higher**

**Divergence between existing and new contract rents causes “freeze” in housing market**

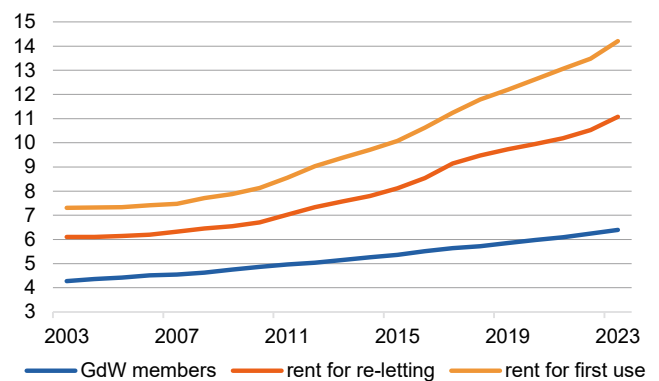
**Demographic trend fuels demand for small apartments**

**RESIDENTIAL RENTS IN GERMANY USUALLY LOW**  
PROPORTIONS OF RENTED APARTMENTS BY RENT LEVEL IN % (2022)



Source: Destatis/2022 Census

**WIDE DIVERGENCE BETWEEN EXISTING AND MARKET RENTS**  
COLD RENT IN EUR PER M<sup>2</sup>



Source: GdW, bulwiengesa

the number of households is increasing as a result of the growing number of people living alone. This means that demand for housing continues to rise even when a city's population is stagnating.

However, there are also regional differences in the housing market. As a result of internal migration, housing demand has fallen in regions experiencing net emigration and has risen in regions which are attracting migration. Vacancy rates therefore differ widely. They are high in the east German federal states in particular, but are very low in southern Germany and particularly in the city states of Berlin and Hamburg.

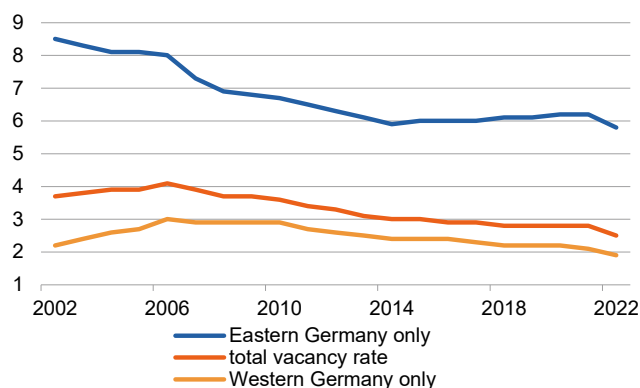
The housing supply is coming under even more pressure in strained housing markets because some apartments are no longer available for ordinary tenancy. One contributory factor is holiday rentals in many cities, for example via Airbnb. An increasing number of furnished apartments are also being let for temporary periods. This generates higher rents, partly because rental regulations such as the "rent brake" introduced in 2015 to curb rent growth can be circumvented. However, another contributory factor to the diminishing supply of ordinary rented apartments is that they are increasingly being allocated "informally" and not via rental platforms.

### Virtually no more unoccupied apartments in southern Germany and the city states

### Repurposing as holiday apartments and furnished homes removes ordinary apartments from the market

#### HOUSING VACANCY RATES FALLING, BUT WIDE REGIONAL DIFFERENCES

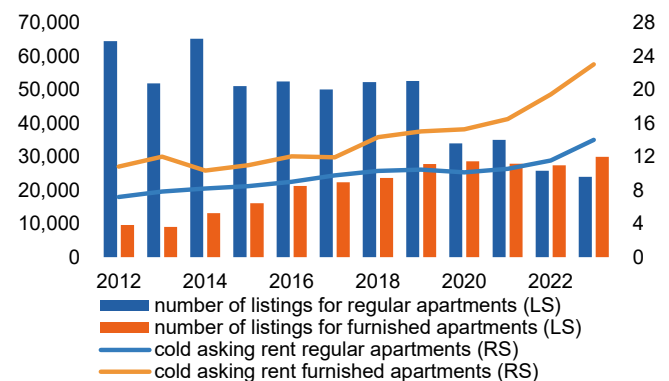
ACTIVE MARKET RESIDENTIAL VACANCIES IN %



Source: CBRE/empirica

#### SUPPLY OF REGULAR RENTAL APARTMENTS FALLING, FURNISHED FLATS INCREASINGLY ON OFFER

LS: NO. OF APARTMENTS, RS: COLD RENT IN EUR PER M<sup>2</sup>



Source: IBB Housing Market Report, Berlin State Parliament

Conditions will probably become even more difficult for house hunters in the years ahead. After the revival in housebuilding in many cities in previous years, the number of completions is likely to weaken visibly in future. Data compiled by bulwiengesa on the project development market in 2021 and 2022 showed new construction starts of around 2 million sqm per quarter. However, in 2024 the corresponding number has been only a quarter of this level, which will then be reflected in a smaller number of completions after a time lag. The activities of project developers are being hampered by financing difficulties and insolvencies.

### Construction crisis makes it harder to find a flat

If significantly fewer apartments are completed, house hunters essentially only have access to the scarce supply of existing housing in strained housing markets. However, furnished rentals and a declining fluctuation rate are restricting the supply even further. The upward trend in new contract rents for existing apartments is therefore likely to continue.

### Strong rent growth likely to persist

## MULTI-FAMILY HOUSING AS AN INVESTMENT

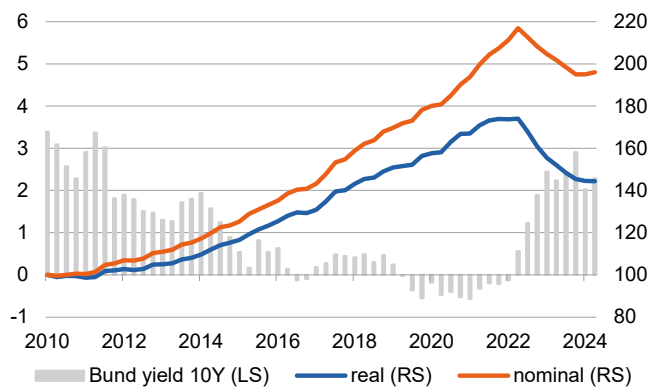
Given the housing shortage in many cities and growing housing needs, investing in rented apartments is a fairly safe bet. The vacancy risk is minimal, rents are likely to increase sharply, and vulnerability to economic crises is relatively low. Even during the pandemic, there was virtually no increase in rent arrears. The sharp rise in purchase prices up to 2022 reflects the high level of investor interest in multi-family homes. However, after the steep hike in interest rates, investment in residential property also collapsed. The main factor here was uncertainty about the extent of the price correction and the future trend in interest rates.

However, this uncertainty largely dissipated in the first half of 2024. Interest rates and bond yields passed their zenith as inflation fell again. The ECB started to reduce interest rates in June with a first cut, after ten successive increases. The valuation correction for multi-family houses also seems to have come to an end in the first quarter of 2024. According to the vdp price index, valuations have fallen by a nominal 10 per cent from their 2022 peak. Prices already increased again slightly in the second quarter. Rental prospects have improved further due to the likelihood of a marked decline in the number of new apartments completed. The continuing housing shortage is likely to keep rent growth at a high level.

**Rising rents and a low vacancy risk are plus points for investment in multi-family homes**

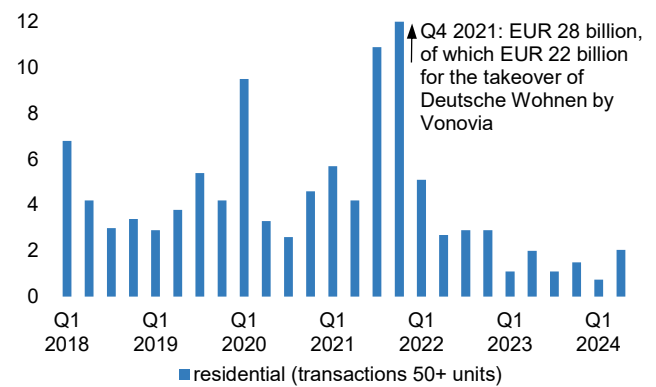
**End of price correction and interest rate rises likely to boost housing investment**

**SIMILAR INTEREST RATES, BUT MUCH HIGHER VALUATIONS: DESPITE CORRECTION, MULTI-FAMILY HOMES ARE NOT CHEAP**  
LS: YIELD IN %, RS: MULTI-FAMILY HOUSE PRICES 2010 = 100



Source: Feri, Refinitiv, vdp

**TREND REVERSED? TRANSACTION VOLUME FOR RESIDENTIAL INVESTMENT GREW IN SECOND QUARTER OF 2024**  
TRANSACTION VOLUME HOUSING PER QUARTER, IN EUR BN



Source: CBRE

Although the high valuations of multi-family homes have fallen as a result of the property market correction, they have not become cheap. Because valuations doubled from 2012 to 2022, purchase prices remain at a high level. The same applies if we look at real prices, which have fallen much more sharply than on a nominal basis due to high inflation. Below the line, current valuations – with similarly high interest rates – are nominally around 80 per cent higher, and in real terms around 40 per cent higher than in 2012.

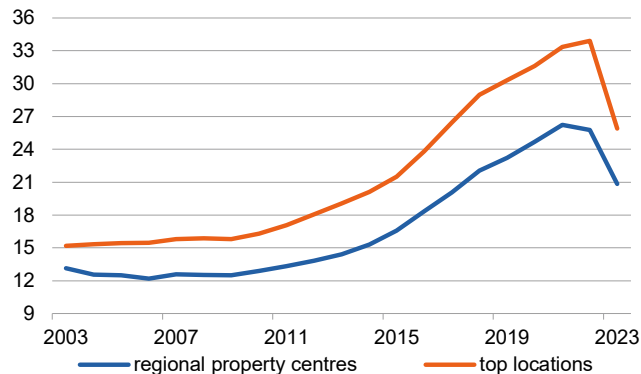
Rents have also risen sharply in recent years. However, despite a visible decline, the price-to-rent ratio is also well above the levels seen at the beginning of the last decade. In the regional centres covered in this market report, the average multiplier of purchase prices and net annual rent reached its highest level so far in 2021 at 26

**Valuations of multi-family homes lower, but not cheap**

**Price-to-rent ratio much more unfavourable today than at the beginning of the last decade**

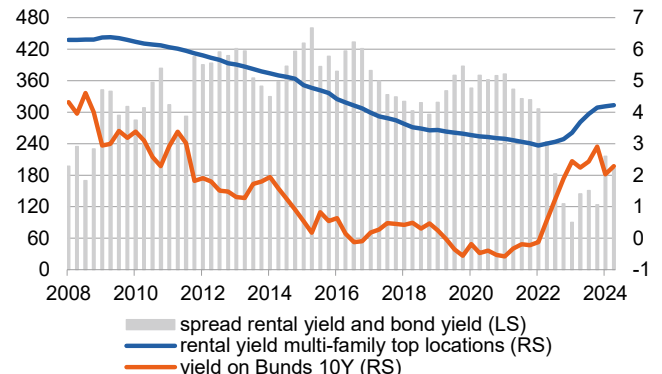


**PURCHASE PRICE-TO-RENT RATIO FELL IN 2023 AFTER PREVIOUSLY RISING SHARPLY**  
MULTI-FAMILY HOME MULTIPLIER



Source: bulwiengesa

**RENTAL YIELD HAS INCREASED MUCH MORE WEAKLY IN TOP LOCATIONS THAN THE CAPITAL MARKET YIELD**  
LS: SPREAD IN BASIS POINTS, RS: YIELDS IN %



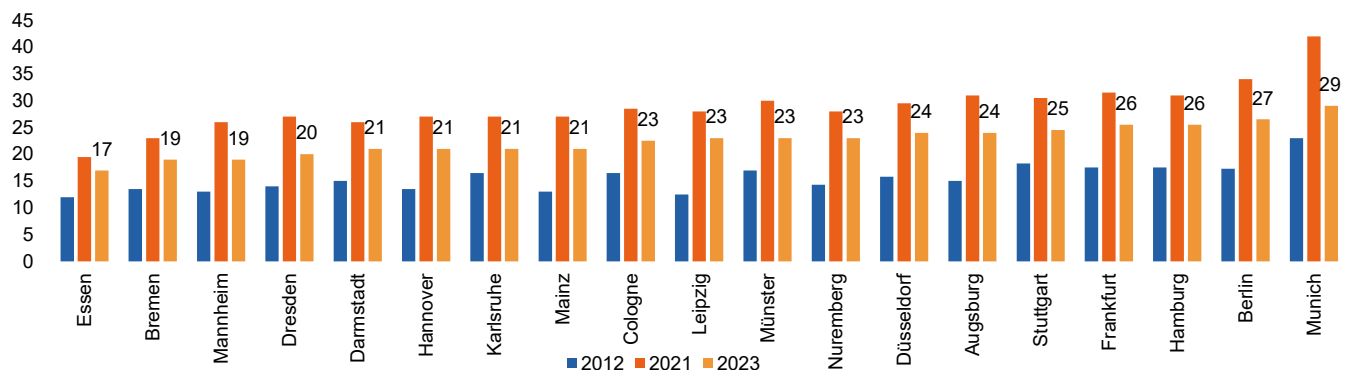
Source: bulwiengesa, Refinitiv, DZ BANK  
Rental yield calculated from inverse of multi-family home multiplier

years. Levels in the top locations peaked a year later at 34 years. The figures fell significantly in 2023, to 21 years of annualised rent for the regional centres, and 26 years for the top locations. In 2012, when interest rates were at a similarly high level, the respective figures were 14 and 18 years.

Accordingly, it was possible to achieve higher rental yields both in absolute terms and also compared to the capital market. Although the rental yield has increased – with regard to the top locations – from just under 3 to more than 4 per cent, on the other hand bond yields have increased more significantly. From 2009 to 2021, rental yields for multi-family homes were consistently 300 or more basis points above ten-year Bund yields. The divergence, which has narrowed considerably since 2022, has widened again, but at currently around 200 basis points, is considerably lower than in the past.

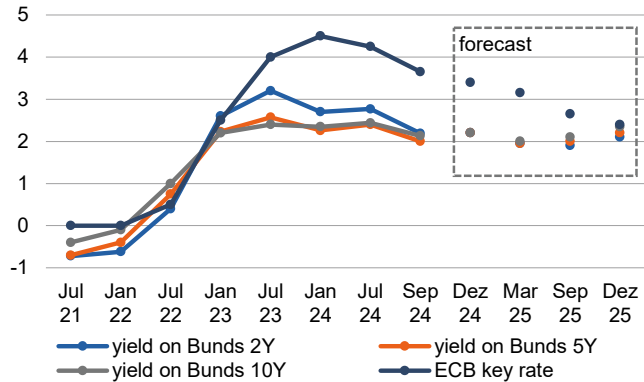
**Rental yield has increased considerably, but gap compared to bonds has narrowed**

**MULTIPLIERS FOR THE 19 LOCATIONS IN THE MARKET REPORT RANGE FROM JUST UNDER 20 TO NEARLY 30 YEARS OF NET ANNUAL RENT**  
MULTI-FAMILY HOMES MULTIPLIER FOR LOCATIONS IN THE MARKET REPORT, IN ASCENDING ORDER BASED ON 2023 LEVEL



Source: bulwiengesa

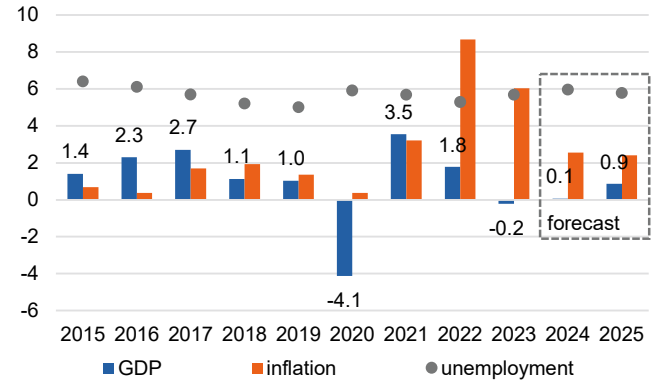
**INTEREST RATE FORECAST: DECLINE IN MIDDLE AND LONGER MATURITY SECTOR SHOULD BE FAIRLY MODERATE**  
INTEREST RATES AND YIELDS IN %



Source: Refinitiv, DZ BANK

Per: September 2024

**FORECASTS FOR ECONOMY, INFLATION AND LABOUR MARKET: RELATIVELY LOW UNEMPLOYMENT DESPITE SLUGGISH ECONOMY**  
GDP/INFLATION IN % VS. PREV. YR., UNEMPLOYMENT RATE IN %



Source: Eurostat, DZ BANK

Per: September 2024

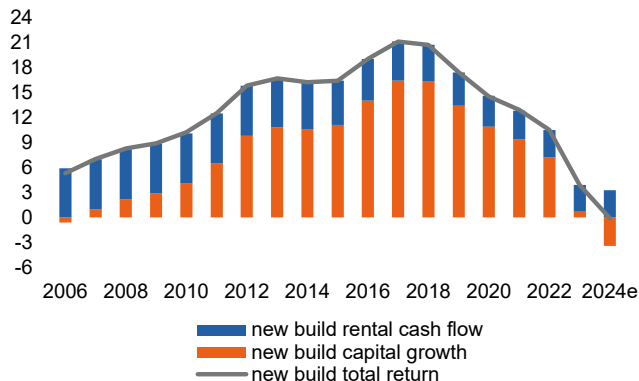
As a result of falling inflation, in mid-2024 the ECB started to cut the key interest rate which had risen to 4.5 per cent. Based on our forecast, the rate will have fallen to around 3 per cent by next summer. However, yields and returns in the medium to long-term maturities are likely to fall much more slowly. In the course of its expansionary monetary policy, the ECB extended its bond portfolio to several trillion Euros by purchasing bonds. In so doing, it supplied the market with substantial liquidity, thus exerting downward pressure on yields. By gradually reducing its bond holdings, the ECB will withdraw liquidity from the market again, which will brake the downward trend in bond yields.

**Interest rates falling, but only a slow decline for medium and long maturities**

The combination of relatively high valuations for multi-family homes and the slow decline in interest rates – for maturities of several years – will limit the scope for value growth. The same applies to the currently smaller gap between the rental yield and the ten-year Bund yield. However, the divergence may well increase again, leading to slower value growth. The high value growth generated from real estate in previous years is unlikely to continue.

**Moderate potential for value growth of multi-family homes**

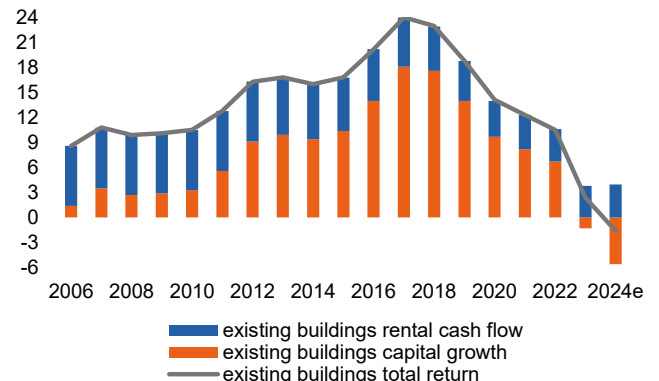
**INVESTMENT PERFORMANCE NEW BUILD RESIDENTIAL**  
GROWTH RATE IN % VS. PREV. YR. (GPI)



Source: bulwiengesa

The GPI (German Property Index) calculates yields for real estate investment.

**INVESTMENT PERFORMANCE EXISTING RESIDENTIAL**  
GROWTH RATE IN % VS. PREV. YR. (GPI)



Source: bulwiengesa

The trend in the rental yield is thus becoming more important, since it could account for the lion's share of the total yield in future years. Investors should therefore focus more strongly on optimising the rental cash flow. Thanks to favourable rental prospects, it should be possible to realise growth in rental income. However, it will not be possible to achieve "unlimited" rent increases. Factors which militate against this are the regulation of the housing market, a muted income flow as a result of weak economic growth and the negative impact of costs allocated for energy-efficient renovation. In addition to increasing rents, investments in rented housing also benefit from greater depreciation opportunities (Afa depreciation allowances, special depreciation for new build rental housing) and support such as the KfW programme for climate-friendly new buildings in the low-price segment.

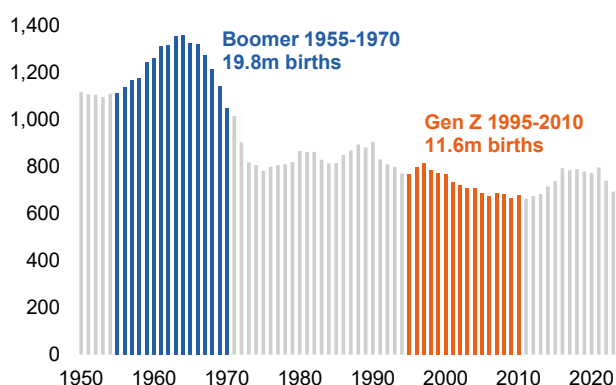
**Residential property investment benefits from rising rents and improved depreciation options**

**DEMOGRAPHICS LEAD TO SHIFT IN HOUSING DEMAND**

A new UN population forecast published this summer shows that the world population will grow from currently 8.2 billion to a maximum of 10.3 billion in the 2080s. The main growth will be in Africa, where the population will increase from 1.5 billion today to almost 4 billion. The picture looks very different in western Europe, and in China, Japan and South Korea where populations have already peaked. While the main problem in Africa is a lack of jobs, Europeans, Chinese, Japanese and Koreans face the challenge of a contracting population with a simultaneous growing proportion of older people. The situation is particularly acute in Germany. Despite expensive measures such as child benefit, and the expansion of child care, the birth rate has not increased on a sustained basis. In 2023, after rising slightly temporarily, the figure fell back below 700,000 births again for the first time in ten years.

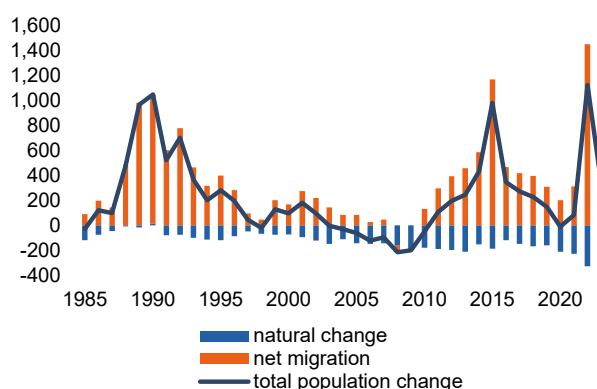
**World population will grow until the 2080s, while Germany could soon contract**

**NO SUSTAINED RECOVERY IN BIRTH RATE AFTER THE "PILL EFFECT"**  
BIRTHS IN TSD.



Source: Destatis

**WITHOUT CONTINUING HIGH NET MIGRATION, THE GERMAN POPULATION WILL CONTRACT**  
IN TSD. PEOPLE



Source: Destatis

The consequences are serious: ageing populations hamper economic growth potential and are a burden on social security systems. They also have a major impact on the property market. A smaller working population also means less overall demand for office space. The context is more complex in relation to demand for housing. One crucial demand variable is the number of households, which is influenced by both demographics and also the steady decline in the number of people per household. Housing demand may therefore even increase when the population contracts. Another factor is migration between expanding and contracting

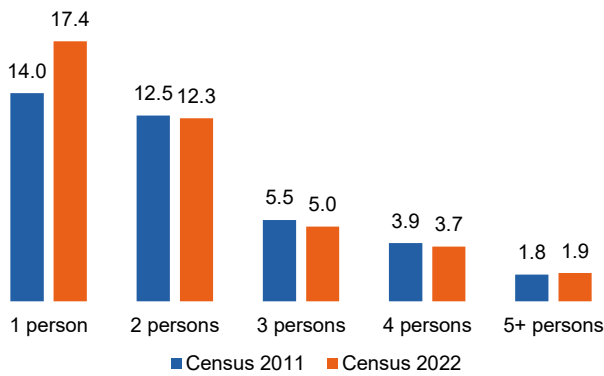
**Housing market must adjust to more small households and the needs of older people**

regions, which leads to a general rise in demand for housing as the populations of growth regions increase. Equally significant are the specific housing needs of elderly people with restricted mobility, who will make up an increasingly large proportion of the population.

These developments are already visible today. Data from the 2022 Census shows, not only that the number of residents based on the 2011 Census has had to be revised down by 1.4 million, but also that the number of households has grown faster than the population as a whole. While the population has increased by 3 per cent to 82.7 million (instead of 84.1 million), the number of households has grown by 7 per cent as a result of a steep rise in single-person homes. The figures for two, three and four-person households have fallen slightly, with modest growth evident only for larger households. The trend throughout Germany is also being overshadowed by large differences between the 16 federal states.

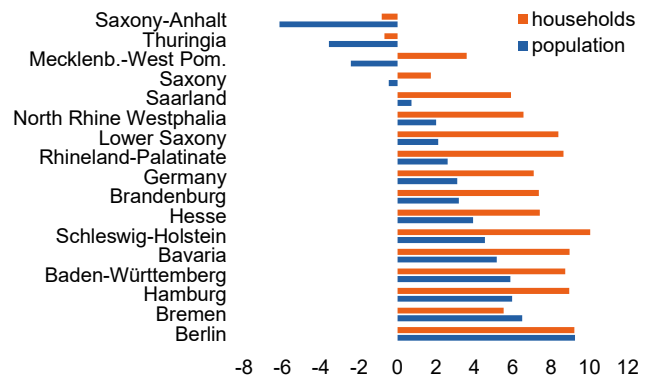
**Number of households in Germany grows more than twice as fast as the population**

**SINGLE-PERSON HOUSEHOLDS BECOMING MUCH MORE IMPORTANT**  
HOUSEHOLDS BASED ON NO. OF PEOPLE IN MILLION



Source: Destatis/Census

**REGIONAL POPULATION DIFFERENCES**  
CHANGE IN 2022 CENSUS COMPARED TO 2011 CENSUS IN %



Source: Destatis/Census

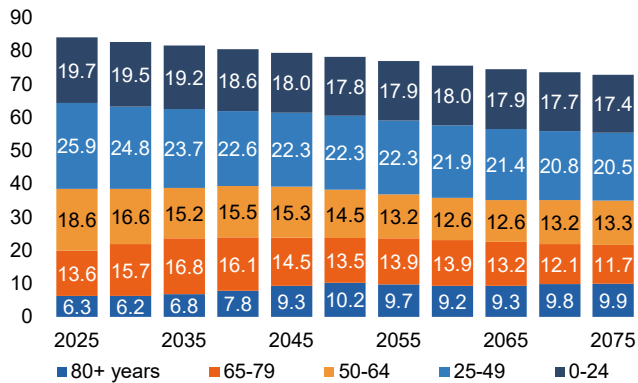
Contrary to earlier demographic forecasts, the population of Germany has not fallen, but has in fact grown sharply in recent years. However, the Census based on data collected in May 2022 does not include the full extent of war-related immigration from Ukraine. The population of Germany is therefore likely to be closer to 83.5 million in 2024. The 2011 Census still showed a figure of 80.2 million. In the absence of any waves of immigration, the population is likely to initially maintain its current level, before starting to contract again gradually at a later stage. According to UN figures, the figure will fall below 80 million people in the mid-2040s. The age structure will alter significantly as baby boomers become senior citizens.

**Without waves of immigration, the German population will decline slowly in future**

Within 15 years, the 65+ age group will grow from 20 million to 24 million. In 2050, the population of Germany will include 10 million people aged 80 and above, compared to only 6 million today. While the proportion of the population aged 65 and above will increase within a few years from currently 24 per cent to 30 per cent, by 2035 the proportion of economically active people (aged 25 to 64) will have declined from currently 53 per cent to 47 per cent. Thereafter this figure will remain fairly stable.

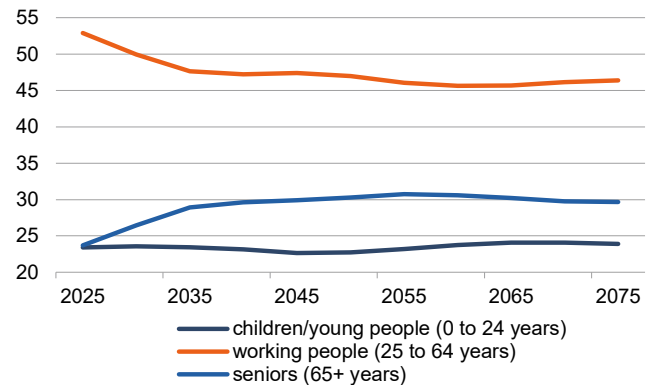
**Number of economically active people will fall by more than 5 million within ten years**

**POPULATION WILL CONTRACT OVERALL, WHILE THE NUMBER OF VERY ELDERLY PEOPLE WILL INCREASE OVER MANY YEARS**  
NO. OF PEOPLE BASED ON AGE GROUP IN MILLION



Source: UN World Population Prospects 2024

**AFTER A MAJOR SHIFT, AGE GROUP PROPORTIONS WILL REMAIN FAIRLY STABLE**  
PROPORTION OF POPULATION OF VARIOUS AGE GROUPS IN %



Source: UN World Population Prospects 2024

**Housing market lags demographic change**

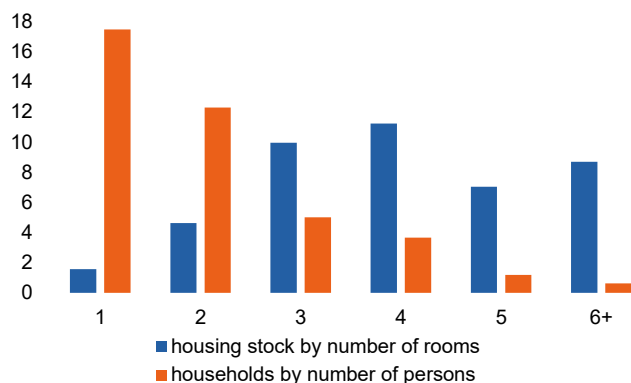
The demographic shift which will take place within a few years poses a huge challenge for the housing market, because it will not be possible to adjust the housing stock at the same pace. This is creating a growing mismatch between supply and demand, which could cause the tensions in the housing market to escalate. The 2.5 million increase in the population between 2011 and 2022 does not even indicate a noticeable increase in tension. This is because the housing stock also expanded by roughly the same amount during this period, although – with two people per household – a good 1.3 million apartments would actually have been sufficient to meet demand.

**In purely mathematical terms, housing market conditions should have eased rather than become strained**

There is no general housing shortage in Germany, which has around 4 billion sqm of living space – per capita almost 50 sqm – and 43 million housing units. However, there is a widening gap between the structure of the housing stock and the population. For example, only 1.3 million new multi-storey apartments have been built to meet demand from an additional 3 million small households from 2011 to 2022, whereas 1 million single-family homes were built for larger households, the number of which contracted overall. Only 6 million one and two-bedroom apartments

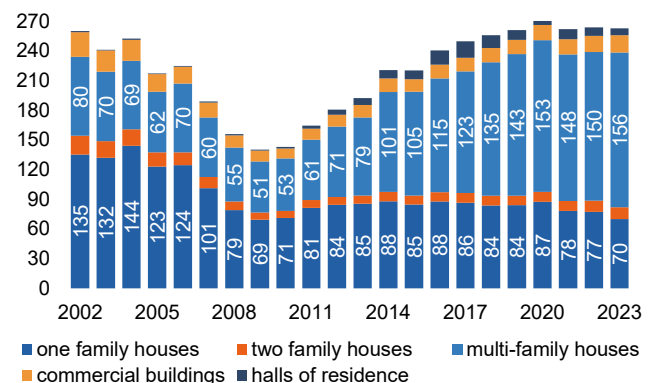
**Sufficient housing available, but supply increasingly lags demand**

**SUPPLY OF SMALL APARTMENTS MUCH TOO LOW TO MEET DEMAND FROM SMALL HOUSEHOLDS**  
APARTMENTS AND HOUSEHOLDS, IN MILLION UNITS



Source: Destatis/Census

**HOUSEBUILDING NOW DOMINATED BY MULTI-FAMILY HOMES, SINGLE-FAMILY DWELLINGS BECOMING LESS IMPORTANT**  
NEW BUILD HOUSING, NO. OF DWELLINGS IN TSD.



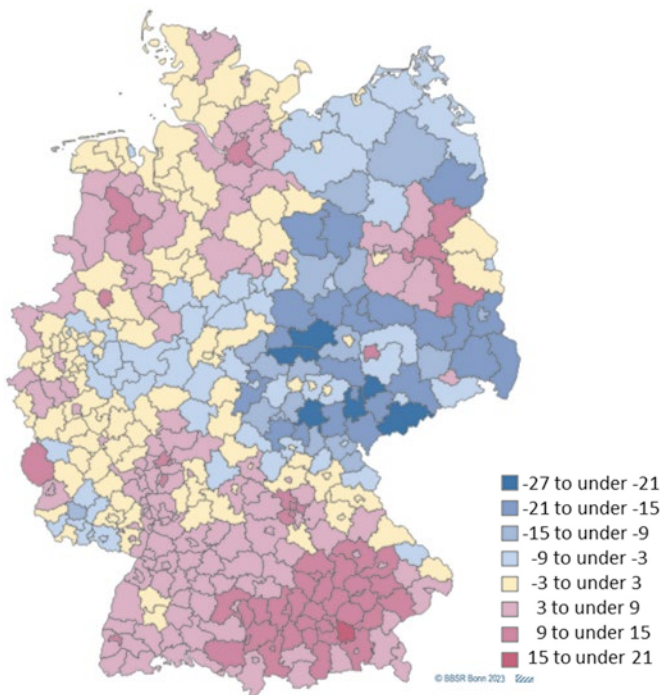
Source: Destatis

are therefore available today to accommodate nearly 30 million one and two-person households. The ratio is exactly the reverse for large apartments and houses for large households. One reason why family apartments are in short supply in cities is that tenants tend to stay in large apartments, rather than downsizing, after their children have moved out.

The generally moderate volume of new construction in recent years has been insufficient to meet growing demand for urban housing. A clear structural shift has taken place in residential construction in recent years. The growing number of apartments completed since 2011 has been almost solely attributable to the construction of multi-family homes. Conversely, the construction of single-family homes has failed to recover. Within 20 years, the number of new build single-family homes has halved, while the number of new multi-storey apartments has roughly doubled. Widespread home working since 2020 has also failed to bring about a renaissance of the single-family home.

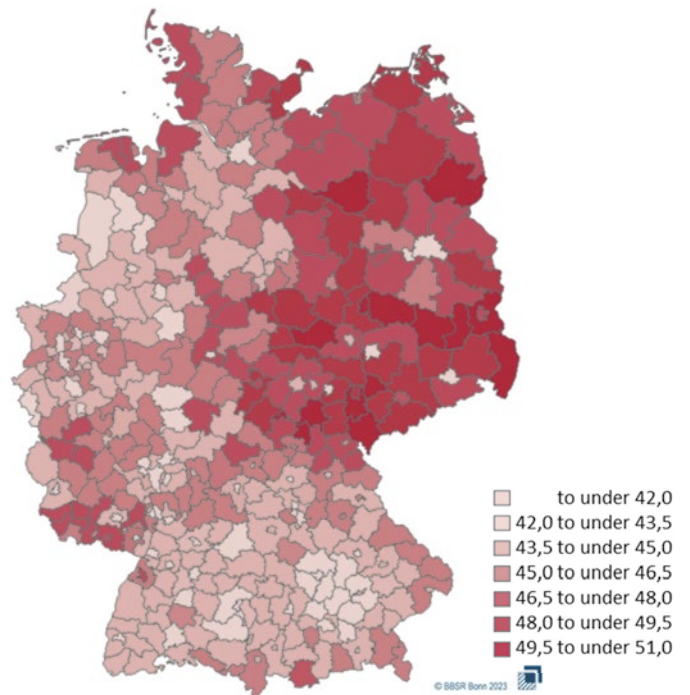
**Within 20 years, no. of houses built has halved, while no. of apartments has doubled**

**DIVERGING REGIONAL POPULATION TRENDS**  
POPULATION TREND FROM 2021 TO 2045 IN %



Source: BBSR

**AGEING POPULATION ALREADY EVIDENT IN GERMANY**  
AVERAGE AGE IN 2025 IN YEARS



Source: BBSR

However, how many new build apartments are in fact needed based on the demographic trend? And where should they be built? These questions can be easily answered based on the wide divergence between various forecasts which estimate new build demand at around 250,000 to 400,000 apartments per year. These divergences are mainly a result of various assumptions in forecast calculations, for example relating to migration. New build demand is usually estimated to be higher in the near future, but will be more moderate in the longer term given the likelihood of a shrinking population.

**Wide range of new build forecasts based on various assumptions**

## NEW BUILD CRISIS AND HALT TO RENOVATION

Together with around 40,000 apartments created in the building stock, annual completions have reached around 300,000 units recently. As evident from the tensions in the housing market, this has not been sufficient. New construction has also fallen far short of the German government’s ambitious target of 400,000 apartments per year. The shortfall is set to increase further from this year. High new build standards and stricter energy-efficiency targets, complicated building law with long approval periods, regulations relating to parking spaces, and increased social housing quotas have made new construction increasingly expensive. Low interest rates have been the only reason why new construction has continued to function. However, general conditions have deteriorated significantly, and by 2026 the number of completions could fall below 200,000 apartments.

**When interest rates were low, housebuilding was still functioning**

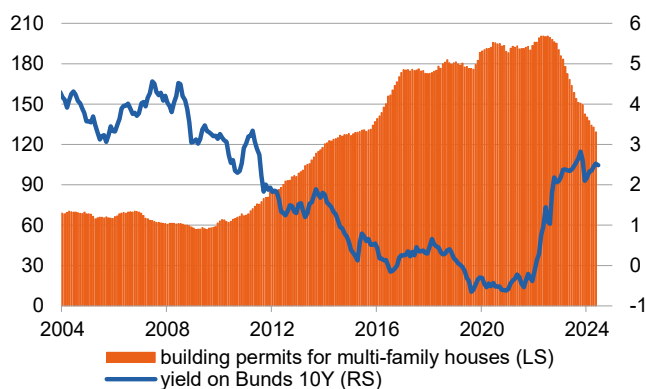
### Increased building and financing costs stifle housebuilding

Building and financing costs have increased considerably as a result of the war in Ukraine. The hike of around 40 per cent in production costs for residential buildings since 2020 and significantly higher interest rates have made the construction of multi-family homes uneconomic. In large cities, where the total cost of a new build has increased on average to more than EUR 5,000 per sqm, attractive yields cannot be achieved despite already very high initial rents. Construction projects are therefore being put on ice or cancelled. A whole series of project developers have become insolvent under the burden of land bought expensively, higher interest rates and a lack of sales revenue. The difficulties of developing new residential projects are clearly visible, for example in the form of the steep decline in the number of building approvals and the slump of nearly 60 per cent in sales figures for building land in 2023 compared to 2021.

**Housebuilding no longer financially viable based on current rents**

**NEW CONSTRUCTION BOOSTED BY FALLING INTEREST RATES BUT STIFLED BY MUCH HIGHER RATES**

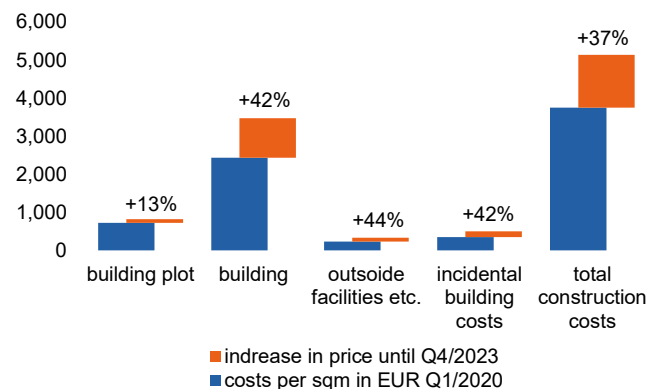
LS: IN TSD DWEÖÖOMGS (NEW BUILD ONLY), RS: IN %



Source: Destatis

**NEW HOME CONSTRUCTION HAS ALSO BECOME RAPIDLY MORE EXPENSIVE WITHIN A FEW YEARS**

COSTS OF NEW RESIDENTIAL CONSTRUCTION IN LARGE CITIES IN EUR PER M<sup>2</sup>

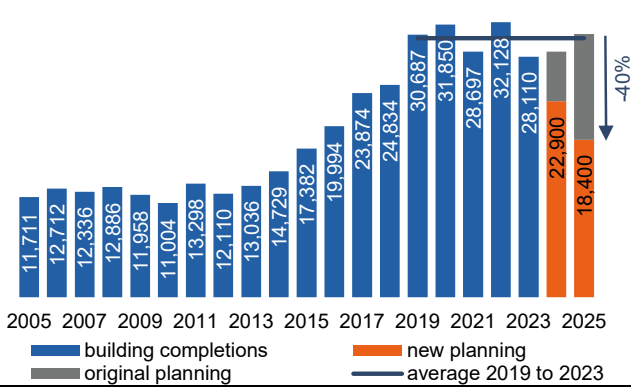


Source: Working Group for Modern Construction (ARGE)

But new construction is also slowing down at housing associations despite rising rental income and often very low vacancy rates. Other contributory factors, apart from increased construction costs, are much higher financing costs for the existing housing stock and high renovation costs for buildings which are often decades old. The adjusted projections of the housing associations in the GdW (the Federal Association of German Housing and Real Estate Companies) show a decline of 40% in 2025 compared to the average completion numbers in previous years.

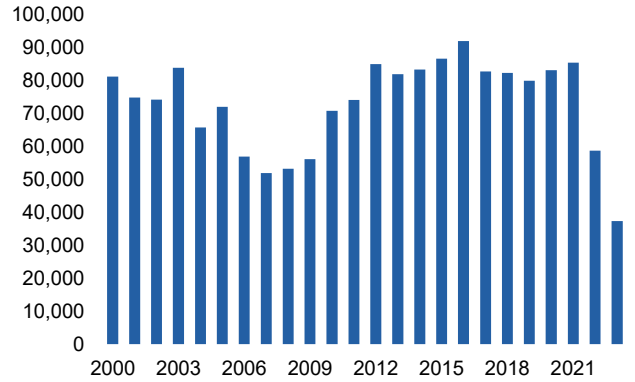
**Building costs, interest rates, climate: Housing companies apply the brakes to construction**

**HOUSING COMPANIES IN THE GDW SLASH BUILDING PROJECTIONS**  
PROJECTED COMPLETIONS OF NEW BUILD APARTMENTS



Source: GdW

**DAMPENER FOR FUTURE HOUSEBUILDING: SHARP FALL IN SALES**  
TRANSACTIONS FOR BUILDING LAND  
NO. OF TRANSACTIONS FOR BUILDING LAND



Source: Macrobond/Destatis

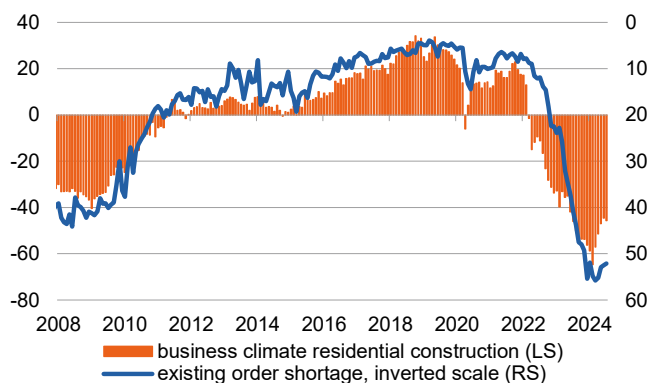
**Construction sector now suffering from a lack of orders**

Construction companies are also feeling the impact of the downturn in housebuilding. After many good years, more than half of the construction companies surveyed by the ifo Institute for its monthly business climate index report a lack of orders. Readings in the “housebuilding” business climate index are accordingly deep in negative territory, and have so far improved only marginally from their lowest point. Previously high capacity utilisation in the construction industry has also suffered a major setback. The gradual increase over many years in the number of people employed in the sector has already contracted slightly. If construction workers migrate into other areas of manual work because of continuing sparse order books, the subsequent recovery in new construction will be all the more difficult.

**Subdued sentiment: previously full order books at construction companies now looking thin**

**POOR SENTIMENT AND LACK OF ORDERS PREDOMINATE FOR MANY HOUSBUILDERS**

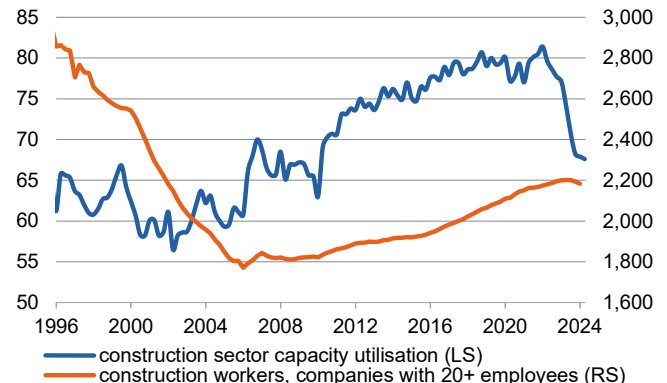
LS: IN POINTS, RS: IN %



Source: ifo Institute

**SHARP FALL IN CAPACITY UTILISATION ACCOMPANIED BY A SLIGHT DECLINE IN EMPLOYMENT**

LS: IN %, RS: IN TSD. EMPLOYEES



Source: Destatis, ifo Institute

**Energy-efficient building refurbishment proceeding slowly**

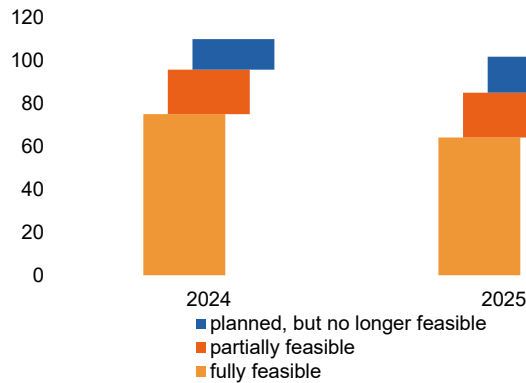
Higher interest rates and construction costs are also hampering the modernisation of housing association building stock, which is often decades old. Although there is undoubtedly an awareness of the need to reduce the high greenhouse gas emissions of residential buildings, investment must also be financially and economically feasible for companies. Although multi-occupancy homes generally

**Modernisation projects also hit by increased building and financing costs**



**MODERNISATION OF MULTI-FAMILY HOMES LAGS WELL BEHIND PROJECTIONS**

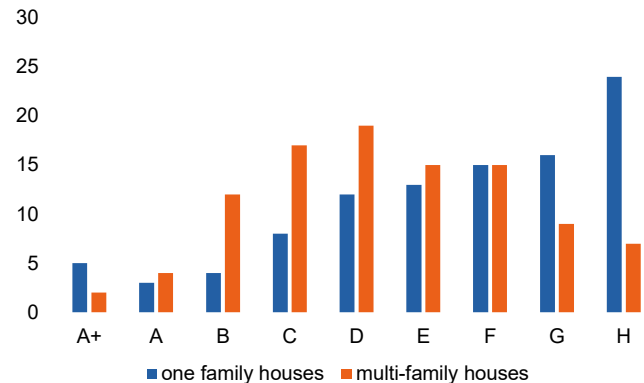
MODERNISATION PLANNING IN TSD. APARTMENTS



Source: GdW

**MULTI-FAMILY HOMES OUTPERFORM SINGLE-FAMILY HOMES IN TERMS OF ENERGY EFFICIENCY**

PROPORTION OF ENERGY EFFICIENCY CLASSES IN % (2022)



Source: BMWI/IREBS

perform better in terms of energy efficiency than single and double-occupancy homes, more than 60 per cent of the approximately 3.3 million multi-family houses in Germany carry energy efficiency ratings of D to H.

Almost two thirds of multi-family homes also use oil and gas for heating. Biomass heating systems, for example using wood pellets, and heat pumps, play a negligible role. Conversely, district heating schemes account for a very substantial proportion of around 20 per cent. Some multi-family homes which still use oil and gas could potentially be connected up to district heating schemes in future if municipal district heating networks are expanded, although to date these have been a comparatively expensive form of heating.

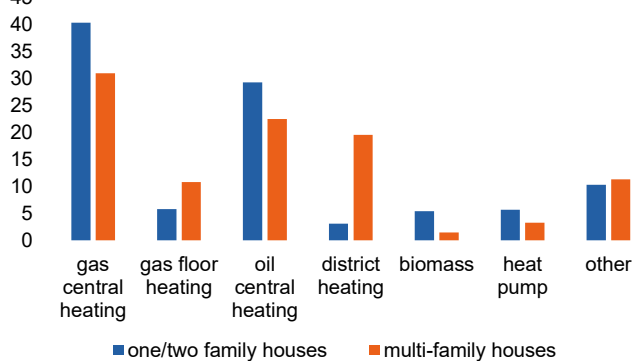
**Multi-family homes benefit from expansion of municipal district heating schemes**

The pressure to carry out energy-efficient renovation has eased for now as a result of the watered-down versions of the Building Energy Act (GEG) and the EU building directive which have been adopted. Despite the obvious consequences of climate change, such as extreme heat and heavy rainfall, a certain amount of climate fatigue also seems to have set in. This is reflected in the steep decline in the number of heat pumps sold, which is having a negative impact on producers who have only recently

**Reversal of heating transition? Instead of heat pumps, oil and gas heating systems are booming**

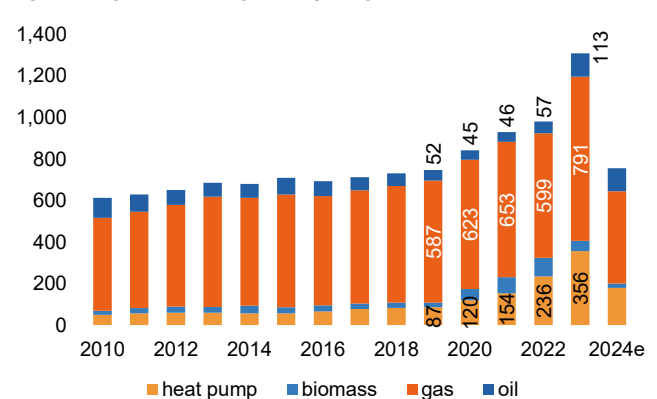
**OIL AND GAS DOMINATE HEATING SYSTEMS IN THE HOUSING STOCK**

PROPORTION OF BUILDINGS IN %



Source: BDEW

**IS THE HEATING TRANSITION GOING INTO REVERSE? CONVENTIONAL HEATING MAKES A COMEBACK**



Source: BDH

expanded their production capacity. The “heating transition” - the aim of which was to install 500,000 heat pumps - will fall far short of its target, with a mere 90,000 heat pumps sold in the first half of 2024. Conversely, oil and gas heating systems are currently experiencing a renaissance.

However, fossil fuel energy sources may become more expensive in future. Landlords will also have to pay up to 95 per cent of the CO<sub>2</sub> levy for poor energy efficiency. The target of achieving climate neutrality by 2045 is also unlikely to be met given the currently low refurbishment rates for residential buildings, and the installation of new gas heating systems. The building sector could exceed the projected course of reducing greenhouse gas emissions on a sustained basis, and the pressure for energy-efficient refurbishment is therefore likely to intensify after a delay. However, the demands imposed by the EU taxonomy as well as financial institutions, investors and tenants are in any case already playing a part here.

One positive factor for landlords is that the costs of remedial action as defined in § 559 BGB (German Civil Code) can be passed on to tenants – although index-linked rental contracts are excluded. Up to 8 per cent of the modernisation costs can be passed on permanently in rents. A maximum increase of EUR 3 per sqm (EUR 2 for cold rents of up to EUR 7 per sqm) is permitted within six years. The Building Energy Act (GEG) passed in 2023 makes provision for a separate levy of up to 10 per cent (maximum EUR 0.50 per sqm) for the installation of climate-friendly heating systems, assuming that subsidies are utilised. For tenants, the corresponding reduction in heating costs should at least partly offset the increase in the cold rent. Tenants of large housing associations may benefit if, for example, these companies achieve economies of scale from the serial refurbishment of their properties.

In the case of low cold rents in particular, the ratio of rent to the refurbishment costs which are passed on may be unfavourable, especially since slightly larger amounts will have to be invested in old buildings which generate low rents. This could impose too heavy a financial burden on low-income tenants in cheap apartments. It is also a political “hot potato” because rents will not become more affordable, and may even increase further. From 2025, tenants may also be burdened by the property tax reform which comes into effect from 2025.

## OVERCOMING THE BUILDING CRISIS AND HOUSING SHORTAGE

The quickest way to revive new construction would be to provide a hefty subsidy to close the gap between building costs and the amount financed from rents. It would even be partially self-financing, as a reduction in annual residential construction of 100,000 or more apartments per year would be accompanied by considerable losses in taxes and social security contributions. Construction costs of around EUR 4,000 per sqm would represent a decline of EUR 32bn in revenue in the construction sector, based on an average home size of 80 sqm. Other factors are kitchen fittings and furniture. However, building subsidies in billions look unlikely given the government’s budget restraints. A more modest support measure in the form of a 5 per cent degressive depreciation has been agreed over six years for investments in rented apartments.

**Calm before the refurbishment storm? Pressure on property owners likely to intensify further**

**Investment in climate protection will probably drive rents up sharply**

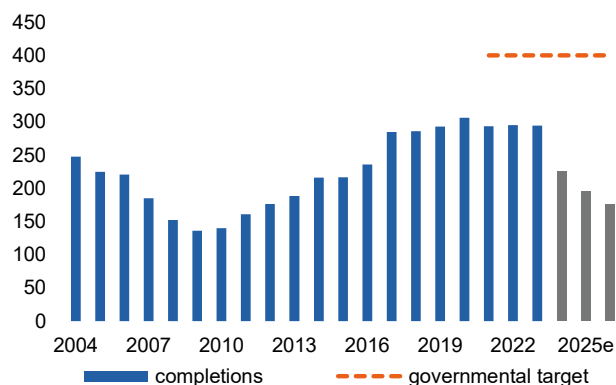
**Political hot potato: Housing to become more affordable, but climate change driving up rents**

**No plans for extensive financial support to stimulate new building**

**Bigger subsidies for social housing**

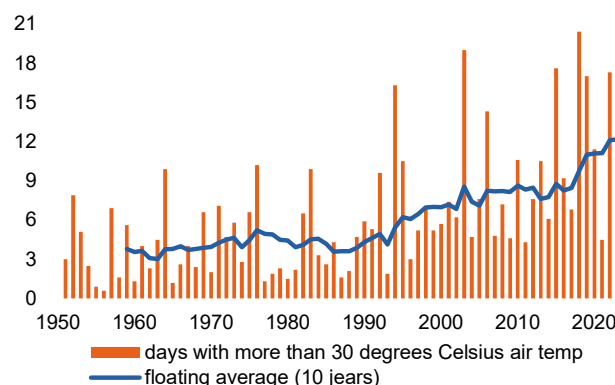
On the other hand, it was decided that investments in rental apartments would be better depreciated (5% declining balance depreciation over six years). Around EUR 1 billion is also to be provided via KfW to support "climate-friendly new construction in the low-price segment" (KNN). Major financial assistance from the federal government – around 18 billion euros in the period from 2022 to 2027 – will focus on social housing construction. However, funding is required here anyway in order to compensate for the lower rental income in this segment due to rents for social housing being significantly below market level.

#### GLOOMY OUTLOOK FOR HOUSEBUILDING NO. OF APARTMENTS



Source: ifo / Euroconstruct

#### HEAT BECOMING AN INCREASING HEALTH RISK NO. OF DAYS (AVERAGE FOR GERMANY)



Source: Federal Environment Agency / German Meteorological Service

### Low new build standards will reduce construction costs

Instead of high subsidies for expensive new construction, building standards which have been ramped up over many decades and complex approval processes are to be simplified. Serial and modular construction will also be actively encouraged. Construction costs will be steadily reduced to facilitate economical new building again. One key element here is the amendment to the German building code by the Federal Ministry of Construction. According to this, the addition of storeys and extensions to existing buildings without changes to the development plan and, to a certain extent, the redensification of residential areas are to be made possible. The announced "construction turbo" (Section 246e BauGB) is also included in the draft amendment. (as of September 2024).

However, the federal government's initiative is being hampered by its limited influence on new construction. This is mainly the responsibility of the federal states which impose state building regulations. New building regulations have already been in force in Lower Saxony since July 2024. These regulate simplified measures for conversions and change of use, waiving the obligation to provide parking spaces, and broadening the scope of construction measures which do not require a permit. Berlin also plans to use the Faster Construction Act (SBG), which is due to come into force by December 2024, to accelerate construction.

Great hopes are pinned on "building type E" – E for easy – where construction costs can be up to 10 percent lower. Here, specifications are to focus on essential aspects such as statics, fire protection or energy efficiency, while comfort aspects such as sound insulation can be deviated from the "recognized rules of technology" that have been relevant in building law to date, even without extensive clarification. Deviations from DIN standards relating to comfort aspects do not constitute a defect and subsequent claims for damages. However, these regulations (as of September 2024)

**New era for construction: Building costs to become cheaper rather than more expensive**

**Federal states exert particular influence on building law**

**"Building Type E" will facilitate cheaper new construction**

are only to be reserved for "expert" companies, while they are not applicable to "non-expert" companies or consumers. This could limit the scope of application for the construction of rental apartments.

Based on the saying "buy cheap, buy twice", a high quality product is the better choice. It remains to be seen whether this will also apply to Building Type E. Type E houses are not cheap, but are at best not quite as expensive as conventional buildings. This raises the question of whether tenants of new apartments will accept lower comfort standards, despite still having to pay a relatively high price for their apartment. The long-term value and rent trend for the new type of building is also questionable. Ultimately, it is a novelty in Germany for new build homes to meet lower standards than existing buildings. The same applies to lower energy efficiency standards for new and renovated buildings. In this respect too, it is at least questionable whether allowing lower standards will be worthwhile in the long term.

More cost-effective construction due to lower standards and cost benefits from serial construction are likely to have a positive impact on new construction. However, too high expectations should not be placed on the completion figures. Firstly, implementation will take time and secondly, construction costs are not the only obstacle. One factor is higher financing costs which are likely to remain elevated for some time despite interest rate cuts by the ECB. The demographics-driven skills shortage is another obstacle. Building projects will also continue to meet with resistance in cities in future. This could have a greater impact on planned expansion and further development, because space will become even tighter in city quarters. Climate and environmental factors are also becoming more important. Heavy rainfall and extreme heat which represent health risks will pose a challenge for cities.

### **New construction cannot remove tension in housing market**

The tension in the housing market cannot be resolved solely by building more homes. More new building within the scope of what is possible will at best alleviate the problems over time. Better use will have to be made of the existing housing stock in order to ease conditions in urban housing markets. Relocation within inner-city areas can lead to a closer correlation between housing demand and the existing housing stock. Given the growing divergence in rents between new and existing rental contracts, it will nevertheless become increasingly difficult to persuade single tenants of large apartments to move into smaller premises.

Tensions in urban housing markets could also be eased by encouraging relocation to residential areas with a significant number of vacant properties. The advantages would be even greater because of the widening gap between rents in regional areas and the rapid rent growth in large cities. Factors which militate against relocation – for example to rural areas – are a longer commute to the workplace, poor transport links and inadequate infrastructure. However, there is also potential here for cities with vacancy problems to offer an attractive alternative for city dwellers who are disillusioned with the housing market.

**Will undercutting high standards pay off in the long term despite initially lower costs?**

**Higher interest rates, labour shortage and climate factors make housebuilding more difficult**

**Climate risks require more green space than grey concrete in cities**

**To ease tension in the housing markets, better use must also be made of the existing housing stock**

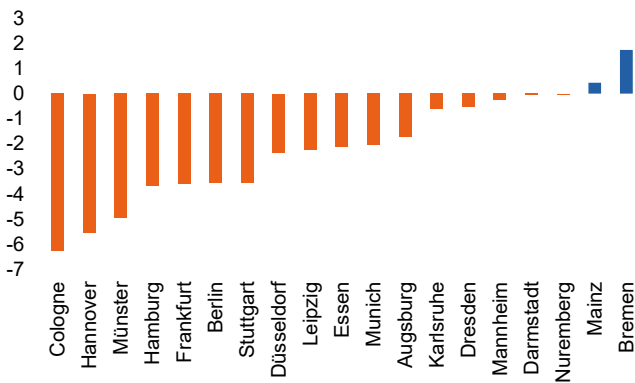
**Potential for cities with vacancy problems**

## TREND IN 19 REAL ESTATE LOCATIONS

Migration has led to population growth in many cities in recent years. However, the pace has diverged widely, as reflected also in the 19 locations reviewed in this market report. While the populations of Essen, Hannover and Cologne have remained stable, there has been rapid growth in Darmstadt and Frankfurt, and particularly in Leipzig. These conclusions are based on Census data from 2011 and 2022 which accurately depicts trends in population and the housing stock. However, one disadvantage is that the cut-off date of May 2022 means that the figures do not reflect the full extent of migration caused by the war in Ukraine which started in February that year. In May 2022, 14.8 million inhabitants were recorded in the 19 cities. By mid-2024 the figure is likely to have increased to a good 15 million.

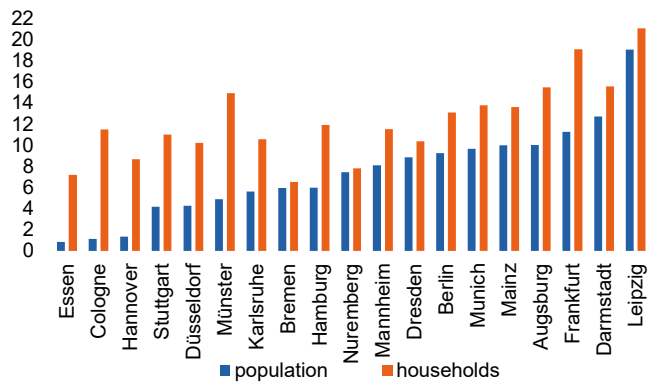
**Census data provides an accurate insight into the actual demographic trend**

**POST-2011 CENSUS POPULATION PROJECTIONS HAVE OFTEN CLEARLY OVERSTATED THE NUMBER OF RESIDENTS**  
DIVERGENCE IN POPULATION SIZE COMPARED TO PROJECTION IN %



Source: 2022 Census (Destatis)

**WIDER DIVERGENCE IN POPULATION GROWTH THAN INCREASE IN HOUSEHOLDS**  
RESIDENTS AND HOUSEHOLDS FROM 2011 TO 2022 IN %



Source: 2011/2022 Census (Destatis), bulwiengesa

Forward projections of post-2011 Census population figures clearly overstate the numbers in most cities. It has been necessary to revise down population statistics by more than 130,000 for Berlin, by more than 60,000 for Hamburg and Cologne, and by between 20,000 and 30,000 for Frankfurt, Hannover, Munich and Stuttgart. The percentage divergences between individual cities are huge. The population figure for Cologne has been scaled down by 6 per cent, by 5 per cent for Hannover and Münster, and by a good 4 per cent for Berlin, Frankfurt, Hamburg and Stuttgart. Conversely, the 2022 Census showed a slight increase in Bremen and Berlin. These divergences are making analysis of the housing markets more difficult – Cologne’s population grew by 1 per cent and not, as assumed, by 7 per cent. However, since the Census is only carried out roughly every ten years, these error-prone population projections remain the only data source.

**Error in population projections shows wide divergence**

### Housing demand increases as number of households grows

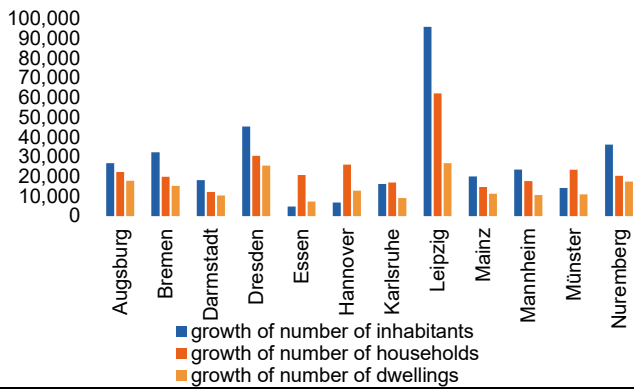
However, the population trend is ultimately less significant in terms of demand in the housing market than the change in the number of private households. The only figure available here is from the 2022 Census, and we have therefore used the trend in the number of households based on data from bulwiengesa. The number of single-person households is growing faster than the population. The divergence in the number of households in the various cities is smaller than the differences in population numbers. On average, the population grew by 7 per cent between 2011 and 2022, while the number of households has increased much faster, by 11 per cent. The number of households – up by 930,000 – has grown almost as sharply as the population which has increased by slightly more than 1 million.

**No. of households growing faster than population...**

The tensions in the housing markets become very clear if we compare the absolute increase in the number of households with the growth in the housing stock as a result of new building: there are 930,000 more households, but only an additional 570,000 housing units. The charts below show the growth in the number of residents, households and apartments. The number of households in all cities has grown faster than the housing stock. Even in cities where the population is stagnating, such as Essen or Cologne, housing demand is growing as a result of the larger number of households.

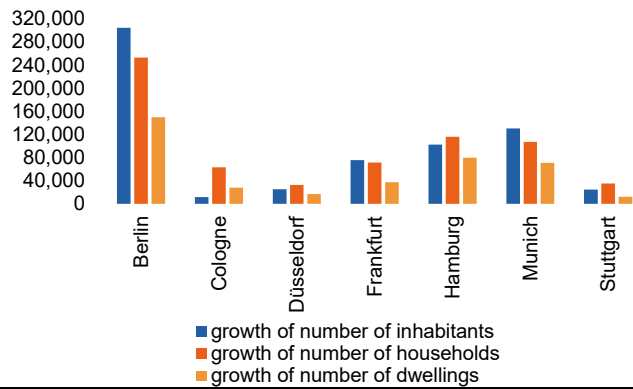
**... and housing stock**

**REGIONAL PROPERTY CENTRES  
DEMOGRAPHIC TREND AND HOUSING SUPPLY**  
ABSOLUTE CHANGE FROM 2011 CENSUS TO 2022 CENSUS



Source: 2011/2022 Census (Destatis), bulwiengesa

**TOP LOCATIONS:  
DEMOGRAPHIC TREND AND HOUSING SUPPLY**  
ABSOLUTE CHANGE FROM 2011 CENSUS TO 2022 CENSUS



Source: 2011/2022 Census (Destatis), bulwiengesa

**Shortage of small apartments in cities**

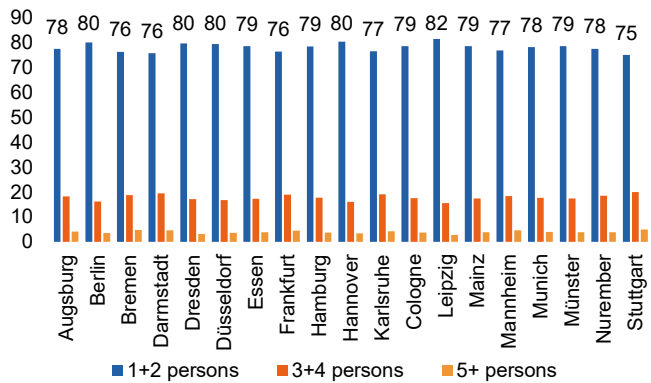
The marked growth in the number of one-person households is leading to an overall shortage of apartments, but also to a widening gap between housing demand and housing supply. This is shown in the chart below based on the size of households and apartments. In the cities, single and two-person households jointly account for a proportion of around 75 to 80 per cent of total households. Conversely, the housing market is characterised by medium-sized three and four-room apartments, which usually make up more than half of the housing stock. On the other hand, one or two-room apartments represent a proportion of 14 to 33 per cent. Large apartments with five or more rooms account for an average proportion of 20 per cent. However, households of more than five people represent only 4 per cent.

**Many small households, but only a few small apartments**

As the population ages, demand for smaller apartments will presumably increase further. A supply shortage in this segment may prevent older people from moving out of apartments which are now too large for their needs, resulting in a supply bottleneck. It then becomes more difficult for families to find a suitable apartment, although there are in fact a sufficient number of large apartments in the housing stock.

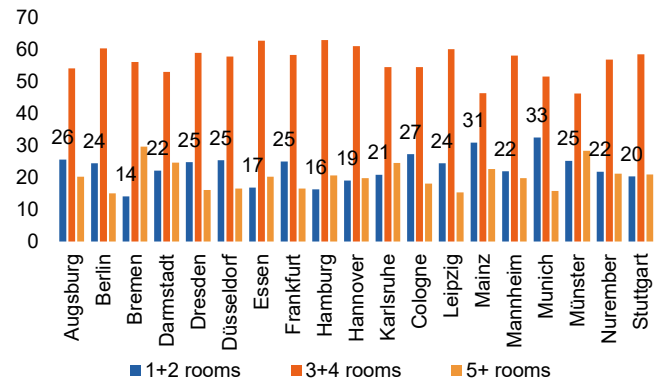
**Demand for small apartments likely to increase**

**POPULATION CHARACTERISED BY SINGLE AND TWO-PERSON HOUSEHOLDS**  
PROPORTION OF ALL HOUSEHOLDS IN %



Source: 2022 Census (Destatis)

**SMALL APARTMENTS IN SHORT SUPPLY, MOST ARE MEDIUM-SIZED**  
PROPORTION OF ALL APARTMENTS IN %



Source: 2022 Census (Destatis)

**Housebuilding visibly picked up from 2010 onwards**

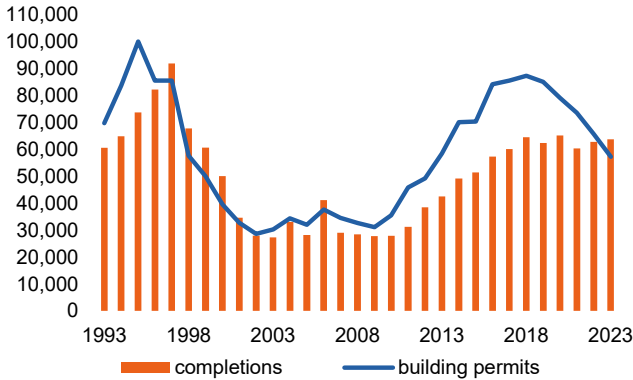
Growing demand for housing in cities has led to a marked revival of new construction in recent years. While building approvals have regained their high levels of the 1990s – around 90,000 apartments, on a cumulative basis over all 19 cities – the number of completions has been much lower than at that time, at 65,000. Completions have not increased further since 2017, despite the higher number of approved apartments. The number of building approvals has declined again since 2020. In 2023 it fell to 57,000 as a result of increased building and financing costs. The figure looks set to weaken again significantly in 2024.

If new build volumes are broken down for the individual cities, a heterogeneous pattern emerges. In some cases, for example Essen, new construction has barely gained momentum. Conversely, in Berlin and Dresden, construction activity has grown strongly from a previously low level. In Frankfurt, Munich and Münster, completion figures have already been relatively high for some time. On average, in the last five years, 4 apartments have been completed each year per 1,000 residents. However, in Essen and Karlsruhe, the figure has been less than two apartments, whereas construction levels were significantly higher in Dresden and Münster with nearly six apartments. If virtually no new apartments are built over a longer period, this will have a particularly negative impact on the supply of contemporary living space.

**No. of completions stagnates since 2017**

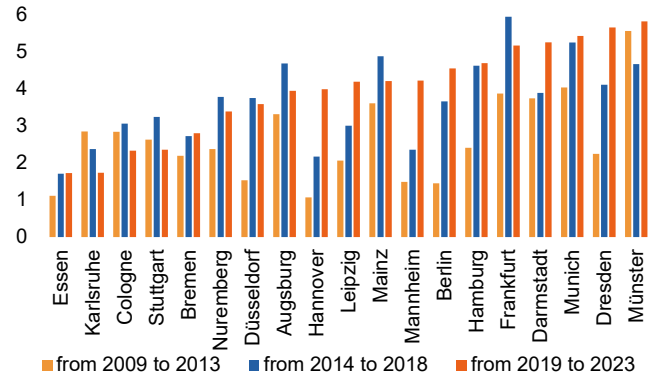
**Despite high housing demand, construction levels are not strong everywhere**

**HOUSEBUILDING HAS RECOVERED, BUT IS WEAKENING SIGNIFICANTLY (CUMULATIVE DATA FOR ALL 19 CITIES)  
APPROVED AND COMPLETED APARTMENTS**



Source: bulwiengesa

**HOUSEBUILDING HAS PICKED UP IN MANY CITIES BUT NEW BUILD LEVELS VARY WIDELY  
COMPLETED APARTMENTS PER 1,000 RESIDENTS PER YEAR**



Source: bulwiengesa

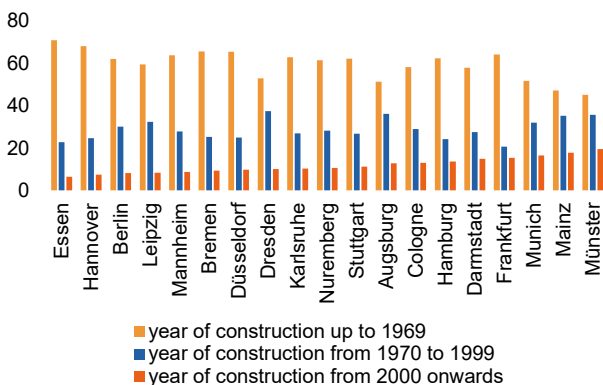
sorted by construction activity 2019 to 2023

**Rents for existing apartments relatively moderate despite housing shortage**

As a consequence of the growth in housing demand and inadequate levels of new building, the housing vacancy rate has declined everywhere. Most of the cities covered in our report no longer have significant vacancy rates. In 2022, the last year for which data is available, the active market vacancy rate – defined as apartments available in the short-term – in 12 of the 19 cities reviewed was below 1 per cent. In seven cities it did not even reach half of one per cent. The vacancy level could be even lower today, if that is possible. If virtually no vacant properties are available from the existing housing stock, they will only come onto the market via new building. As a result of the construction crisis, which is likely to lead to significantly weaker new build levels, this proportion of the housing supply will be correspondingly smaller.

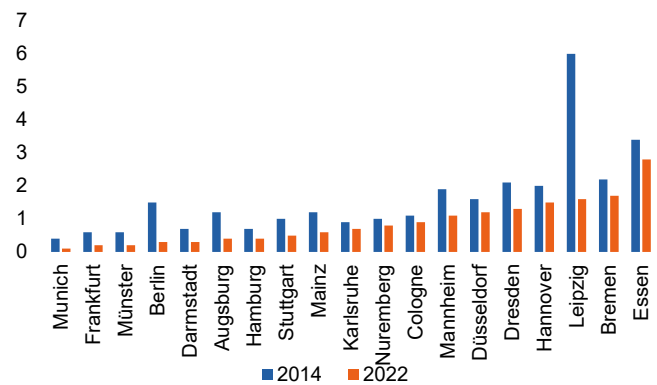
**Market tension reflected in very low vacancy rates**

**HIGH NEW BUILD LEVELS ASSOCIATED WITH BETTER SUPPLY OF CONTEMPORARY APARTMENTS  
BASED ON YEAR OF CONSTRUCTION: PROPORTION OF HOUSING STOCK IN %**



Source: 2022 Census (Destatis)

**FINDING AN APARTMENT BECOMES AN ORDEAL: LESS THAN 1% OF APARTMENTS AVAILABLE IN 12 OF 19 CITIES IN 2022  
ACTIVE MARKET VACANT RESIDENTIAL PROPERTIES AS %**



Source: CBRE / IZ Research

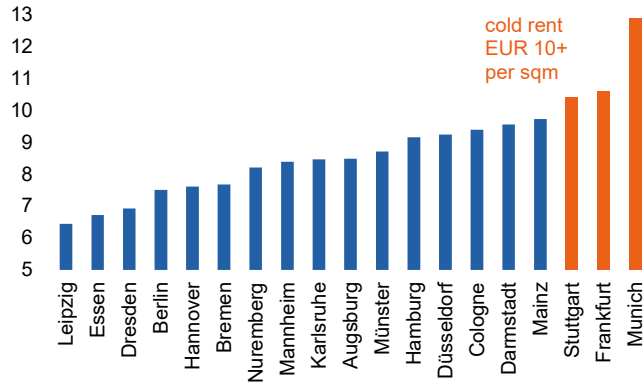
Despite the supply shortage in the housing market, many tenants in the cities reviewed pay moderate rents. Tenants with long-term rental contracts benefit from the slower pace at which their rents are adjusted. Average rents (2022) are lowest in rapidly growing Leipzig, with a figure just shy of EUR 6.50 per sqm. In the expensive Munich housing market, tenants paid on average twice this amount. Over all the

**Despite strained housing markets, most tenants pay fairly moderate rents**



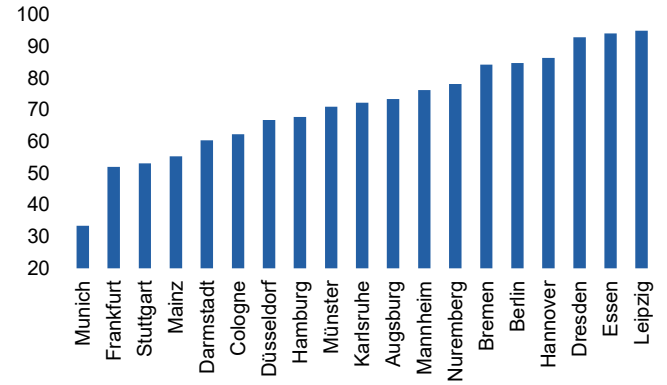
cities, around 70 per cent of existing rents were less than EUR 10 per sqm. However, in Munich this was the case for only a third of rented apartments. Conversely, in Dresden, Essen and Leipzig, more than 95 of rents were below the EUR 10 level.

**DESPITE HIGH MARKET TENSION, MOST HOUSEHOLDS PAY ONLY MODERATE RENTS**  
AVERAGE NET COLD RENT IN EUR PER M<sup>2</sup> (2022)



Source: 2022 Census (Destatis)

**ONLY A FEW TENANTS PAY RENTS OF MORE THAN EUR 10 PER M<sup>2</sup>**  
APARTMENTS WITH NET RENT ≥ €10/M<sup>2</sup>, SHARE IN %



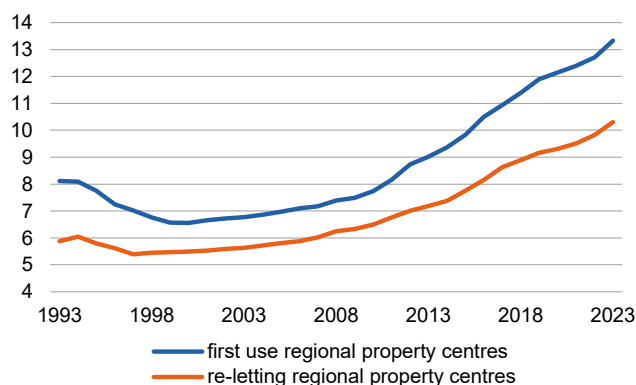
Source: 2022 Census (Destatis)

**Supply shortage drives up rents in new contracts**

For relets of existing apartments, and especially for initial rents, the figure exceeds EUR 10 per sqm almost everywhere. Rents for relets only remain slightly lower in three cities - Dresden, Essen and Leipzig. Average rents for relets were EUR 10.30 per sqm in 2023. Dresden is the cheapest city at EUR 8.60. The most expensive regional centre is Mainz at EUR 12.90. Munich is at the top of the range with EUR 19.50. Initial rents per sqm averaged a good EUR 4 higher at EUR 14.30. Dresden is also the cheapest here at EUR 11.80. Mainz is the most expensive city among the top locations here too at EUR 15.30. The most expensive initial rent overall is in Munich at EUR 22 per sqm.

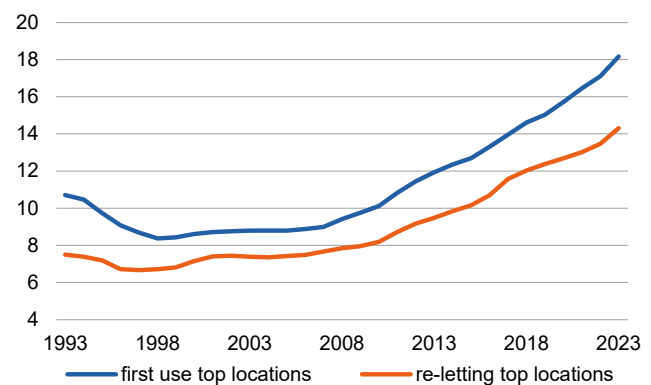
**Rents of less than EUR 10 /m² are the exception in new rental contracts**

**REGIONAL PROPERTY CENTRES: RESIDENTIAL RENTS**  
AVERAGE RESIDENTIAL RENTS IN EUR/M<sup>2</sup>



Source: bulwiengesa

**TOP LOCATIONS: RESIDENTIAL RENTS**  
AVERAGE RESIDENTIAL RENTS IN EUR/M<sup>2</sup>



Source: bulwiengesa

Rents for relets and initial rents are both well above average levels calculated for the market as a whole, some of which relate to decades-old rental agreements. The divergence between new and existing rents is also increasing steadily as growth in rents accelerates, making relocation an increasingly unattractive prospect. The upward movement in rents is therefore self-reinforcing. If virtually no apartments

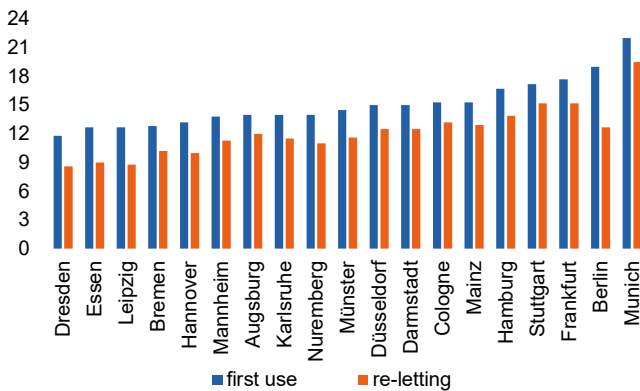
**Growing divergence between new and existing rents causes market freeze**

become available, even if tenants' needs alter, demand will be concentrated on the small number of apartments on offer, for which it will of course be possible to obtain high rents.

There is a wide divergence in both the rents which are being paid and the rate at which they are increasing. Within ten years, rents in new contracts have increased on average by around 50 per cent. The range extends from a 30 per cent rent rise in Düsseldorf to nearly 70 per cent in Berlin.

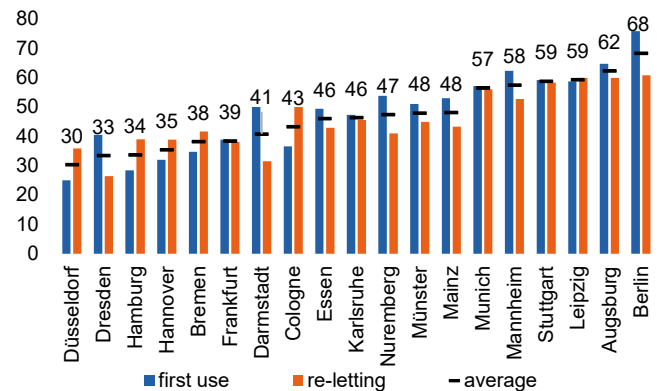
**Ten-year rent increase was round 50 per cent in 2023**

**RESIDENTIAL RENTS IN NEW CONTRACTS OFTEN HIGH**  
AVERAGE RENTS IN EUR PER M<sup>2</sup> (2023)



Source: bulwiengesa

**RELATIVELY BROAD RANGE OF RENT INCREASES IN THE 19 LOCATIONS**  
RENT CHANGES FROM 2013 TO 2023 IN %



Source: bulwiengesa

Numbers in graph relate to "average"

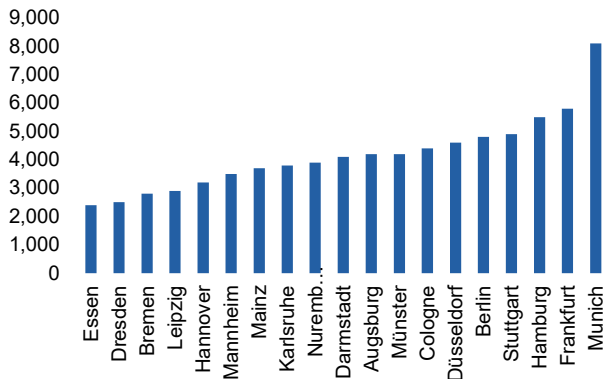
The rise in interest rates is exacerbating the tension on the housing market in two ways: firstly, due to the resulting decline in new construction and secondly, due to the demand for housing from buyers prevented from purchasing residential property. For many prospective buyers, the purchase prices of owner-occupied apartments, which have risen to a high level in the cities, are almost impossible to finance following the rise in interest rates. As a result, the overall demand for housing is shifting more towards the rental housing market.

**Rental demand intensified by buyers unable to purchase their own flats**

Given the housing shortage in the cities and the upward trend in rents, the price correction for owner-occupied properties remained within limits after the hike in interest rates. Prices had already stopped falling in the first half of 2024. Prices per sqm for existing housing fell by 12 per cent from their maximum levels, and those of new build homes by 5 per cent. Despite the decline, prices remain high. In mid-2024 they were around 150 per cent above their 2010 levels in the top locations.

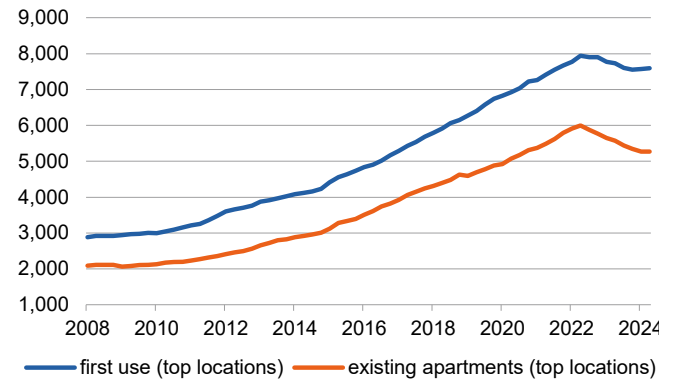
**Price correction for owner-occupied properties ended in first half of 2024**

**PURCHASE PRICES FOR OWNER-OCCUPIED PROPERTIES**  
PRICES OF EXISTING OWNER-OCCUPIED APARTMENTS IN EUR/M<sup>2</sup>



Source: bulwiengesa

**PRICE CORRECTION FOR OWNER-OCCUPIED APARTMENTS ENDED IN 2024**  
AVERAGE PRICES OF OWNER-OCCUPIED PROPERTIES IN EUR/M<sup>2</sup>



Source: bulwiengesa

resp. unweighted average

## HOUSING MARKET OUTLOOK

Surveys among real estate investors confirm the focused interest in residential real estate investments. The rental of apartment buildings is particularly attractive due to the existing potential for rent increases. This is due in particular to the short supply of apartments, with demand for apartments expected to rise in many cities. However, the predominantly ageing housing stock also offers potential for rent increases. Higher rents can also be justified with modernizations and energy-efficient renovations. In addition, residential real estate has proven to be crisis-proof and comparatively low-risk in recent years, unlike commercial real estate.

However, the favorable rental prospects and the associated low risk come at a price. The valuations of multi-family homes have lost only a fraction of their high growth in value due to the correction caused by the rise in interest rates following the long real estate boom. A comparison with 2012 shows that multi-family homes today - at a comparably high interest rate level - are significantly more expensive both in absolute and relative terms on the basis of the purchase price/rent ratio. Yields on the capital market and thus the interest rates relevant to real estate are also likely to fall only slowly despite falling inflation. In addition, the gap between rental and bond yields is relatively small in a long-term comparison. All in all, further high increases in the value of multi-family homes are less unlikely.

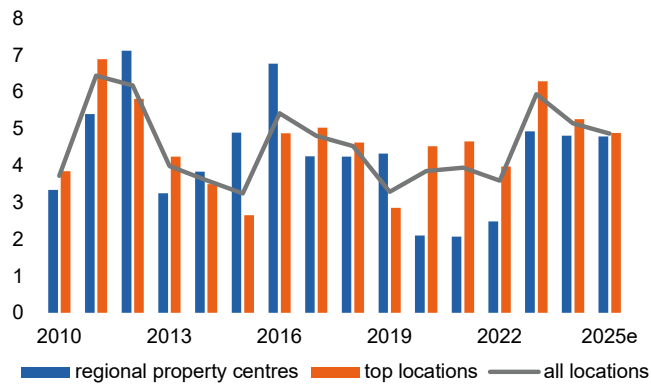
It should be possible to achieve a noticeable increase in rental income from residential rentals. However, expectations should not be set too high, as in addition to rent regulation, the economic sustainability of private households could also stand in the way of significant rent increases. Economic growth, which is being held back by structural weaknesses and an ageing population, is limiting income growth, as is the rising number of pensioners. In addition, urban housing markets are increasingly dominated by single households, for whom the rental burden on income is already quite high. Due to the reduced fluctuation on the housing market, new leases, where rents can usually be increased more, are becoming rarer.

**Investors focus on the good prospects for apartment rentals**

**Multi-family houses have become cheaper due to the market correction, but they are not cheap**

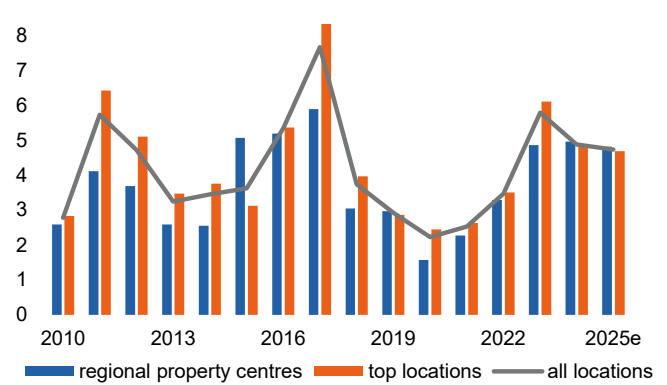
**Scarce housing supply offers scope for rent increases, but these are limited by regulation, economic viability and low fluctuation**

**FIRST OCCUPANCY - RENT DEVELOPMENT AND FORECAST**  
RENT IN % COMPARED TO PREVIOUS YEAR



Source: bulwiengesa, DZ BANK

**RE LETTING - RENTAL DEVELOPMENT AND FORECAST**  
RENT IN % COMPARED TO PREVIOUS YEAR



Source: bulwiengesa, DZ BANK

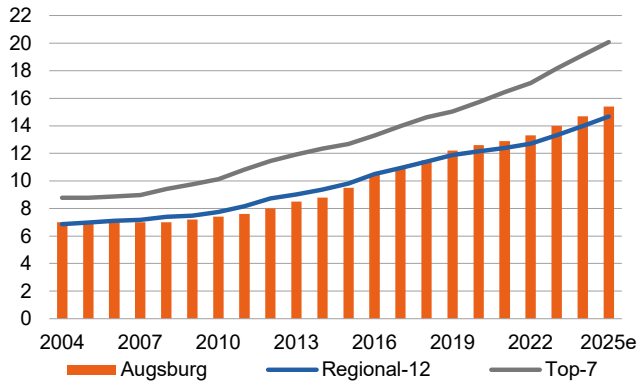
Residential letting has good prospects of building on its reputation as a solid and low-risk business model in the coming years. We expect rents to increase by 5% per year in the locations under review in the current and coming year. More pronounced rates of increase are being curbed by the often already high rent levels in many cities. Persistent economic weakness with an increasing burden on the labor market could slow the rise in rents, especially in the coming year, despite high demand for housing. The prospect of rent increases above the rate of inflation is being bought at the cost of relatively high real estate prices and limited prospects for capital appreciation. The initially moderate rental yields are likely to be "leveraged" by higher rental income over time. Improved depreciation opportunities are another "treat". On the other hand, the climate-friendly transformation of the building stock is a challenge. But firstly, this affects the entire real estate industry and secondly, in contrast to other market segments, "brown" properties can still be let well on the residential market due to a lack of supply.

**Residential letting is and remains a solid business model, 5% rent growth possible in 2024 and 2025**

BRIEF PROFILES OF 19 LOCATIONS

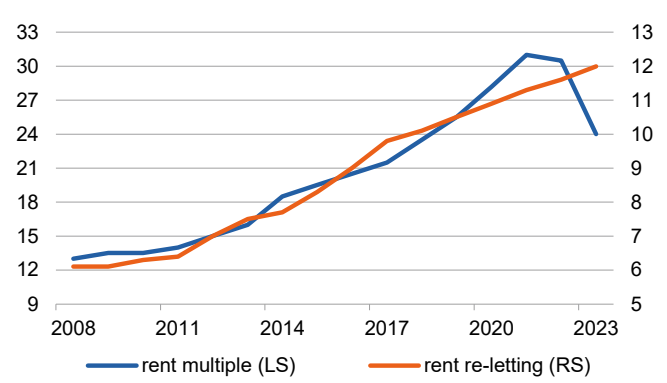
**Augsburg**

**INITIAL RESIDENTIAL RENTS**  
IN EUR PER M<sup>2</sup>



Source: bulwiengesa

**MULTI-OCCUPANCY INVESTMENT PROPERTIES**  
LS: PURCHASE PRICE IN ANNUAL NET RENTS, RS: IN EUR PER M<sup>2</sup>

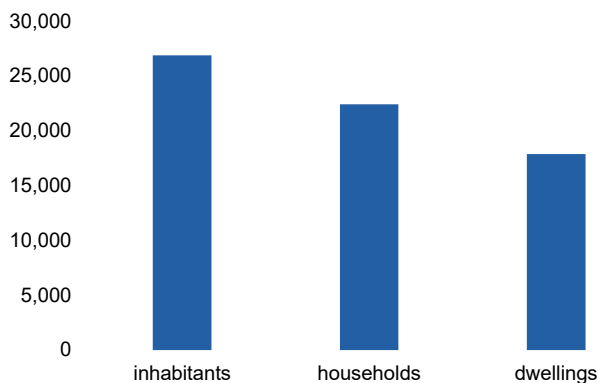


Source: bulwiengesa

Augsburg is the third largest city in Bavaria with a population of 300,000. After stagnating for a long time, its population began to grow strongly from 2010. From 2011 to 2022 it expanded by ten per cent. Contributory factors are its proximity to Munich, together with a much less expensive housing market. Commuters can access the state capital 60 kilometres away via the A8 Autobahn or the Intercity Express (ICE). As workers spend fewer days in the office and more time working from home, the cost advantage of living in Augsburg becomes even more important. Other factors are the migration of skilled workers for the regional economy and the accommodation needs of 27,000 students. Against this background, rents have increased by a substantial 60 per cent within ten years. In 2023, initial rents cost EUR 14 per sqm and EUR 12 for a relet. The rent gap of more than EUR 8 per sqm compared to Munich has persisted despite rent growth. With more than 4 completed homes per 1,000 inhabitants, construction levels have been above-average, but are insufficient to meet demand. According to census data, the number of households has grown faster than the housing stock. Extensive space reserves on former industrial and military sites are advantageous. New residential developments are planned for the Eberle site in Pfersee and the Osram/Ledvance site. However, an improved housing supply could also boost migration. Rents in Augsburg are likely to continue to rise sharply.

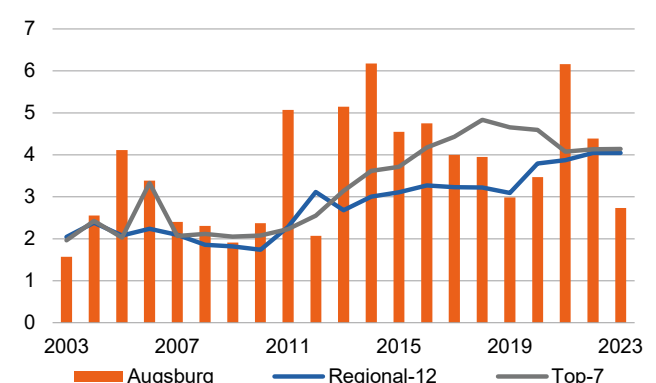
**Regional economy, university and Munich commuters contribute to strong growth**

**POPULATION, HOUSEHOLDS AND HOUSING STOCK**  
ABSOLUTE CHANGE FROM 2011 TO 2022



Source: Destatis (2011 Census / 2022 Census)

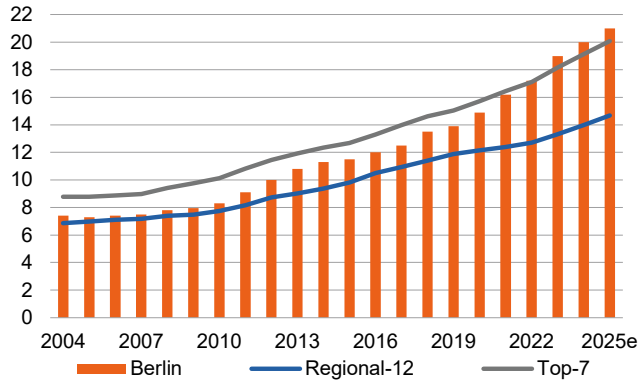
**TREND IN RESIDENTIAL CONSTRUCTION**  
COMPLETED HOUSING UNITS PER 1,000 INHABITANTS



Source: bulwiengesa, German cities: New build figures

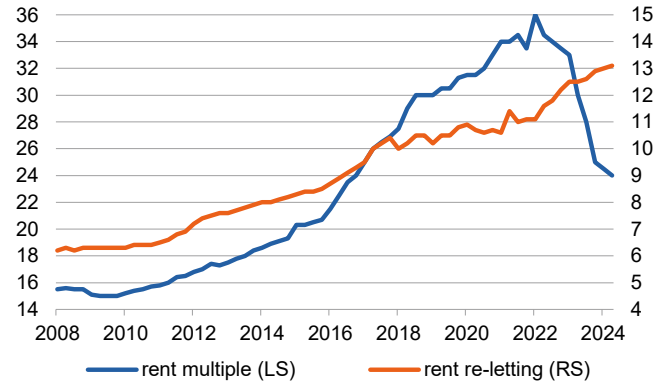
**Berlin**

**INITIAL RESIDENTIAL RENTS**  
IN EUR PER M<sup>2</sup>



Source: bulwiengesa

**MULTI-OCCUPANCY INVESTMENT PROPERTIES**  
LS: PURCHASE PRICE IN ANNUAL NET RENTS, RS: IN EUR PER M<sup>2</sup>

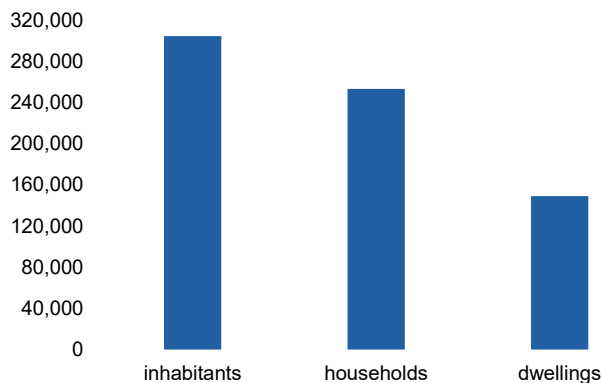


Source: bulwiengesa

As the capital city of the third largest economy in the world, Berlin has an important real estate market. However, unlike other European cities - and despite a visibly positive trend - Berlin is not the economically strongest location in the country, with income levels which are well below-average for Germany. The sharp hike in purchase prices and rents in recent years, caused by a high level of investor interest and strong immigration, therefore place them beyond the means of many Berliners. This is probably one of the reasons why initiatives such as the rent cap and the socialisation of housing companies have been initiated in Berlin. The tensions look set to escalate as migration continues and given the likelihood of further rent increases. Between 2011 and 2022 the population grew by more than 9 per cent, or 305,000, to 3.6 million people. Because of insufficient new construction, 150,000 new build apartments have failed to meet the demand from 250,000 additional households. Although the Berlin authorities have capped rent rises for existing apartments, they have accelerated increases further for new build homes. This has created a wide gulf – per sqm and as of mid-2024 – between initial rents of EUR 19.50 and a figure of EUR 13.10 for relets. The supply of regular rented apartments has also declined, while short-term rentals are booming.

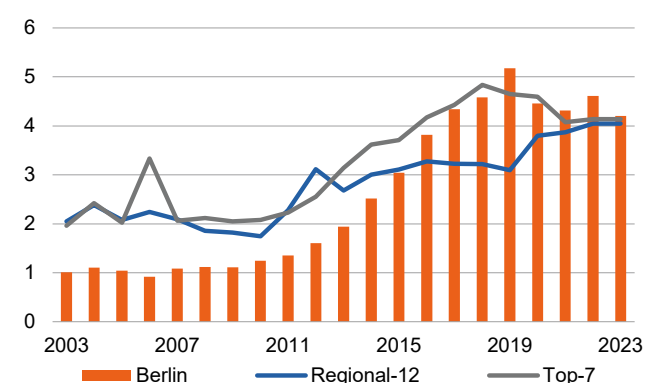
**High immigration, rising rents and low incomes cause tensions in urban society**

**POPULATION, HOUSEHOLDS AND HOUSING STOCK**  
ABSOLUTE CHANGE FROM 2011 TO 2022



Source: Destatis (2011 Census / 2022 Census)

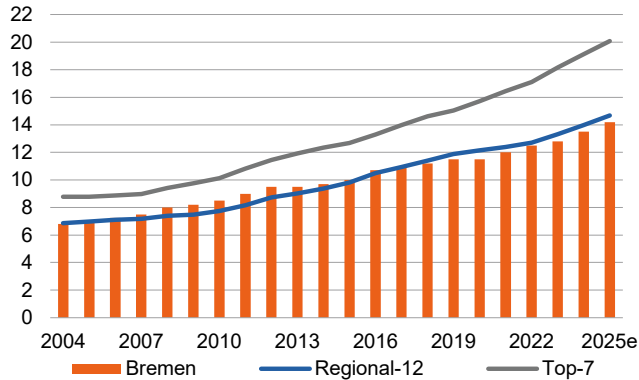
**TREND IN RESIDENTIAL CONSTRUCTION**  
COMPLETED HOUSING UNITS PER 1,000 INHABITANTS



Source: bulwiengesa, German cities: New build figures

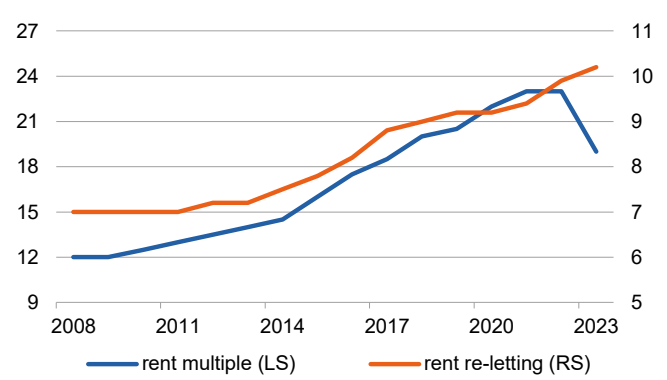
**Bremen**

**INITIAL RESIDENTIAL RENTS**  
IN EUR PER M<sup>2</sup>



Source: bulwiengesa

**MULTI-OCCUPANCY INVESTMENT PROPERTIES**  
LS: PURCHASE PRICE IN ANNUAL NET RENTS, RS: IN EUR PER M<sup>2</sup>

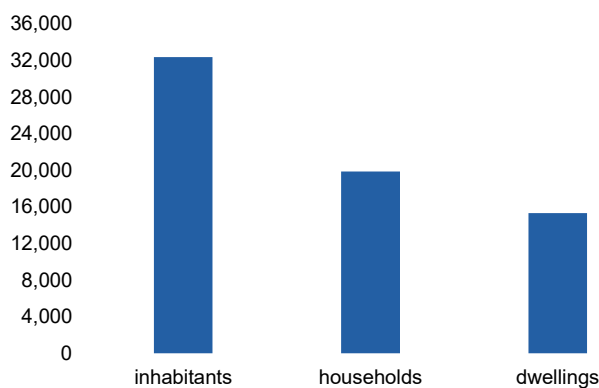


Source: bulwiengesa

Bremen ranks 11th among the most densely populated German cities. After stagnating for a long time, its population started to grow steadily ten years ago. Between 2011 and 2022 the population grew by 6 per cent to 575,000. Economic weakness as a result of industrial structural change which braked migration, has still not been completely overcome. The unemployment rate is high at more than 10 per cent. Growing demand for housing has provided stimulus for weak housebuilding. The number of completions has clearly increased, but has remained generally below-average. One possible reason for the comparatively moderate rent growth is the relatively low income level. Between 2013 and 2023, average initial rents increased by 35 per cent to EUR 12.80 per sqm. Rents for relets have risen by around 40 per cent to EUR 10.20 per sqm. Sought-after residential locations are Schwachhausen, Horn-Lehe, Oberneuland and on the waterfront in the Überseestadt. New residential quarters such as the Garden City, the Tobacco Quarter and am Hulsberg will improve the housing supply. As is the case everywhere, higher construction and financing costs are likely to hamper project realisation. If migration continues, the tensions in the housing market are likely to escalate. Residential rents could increase further. As in other cities, a housing alliance initiated by the Senate is tasked with improving the supply of affordable housing.

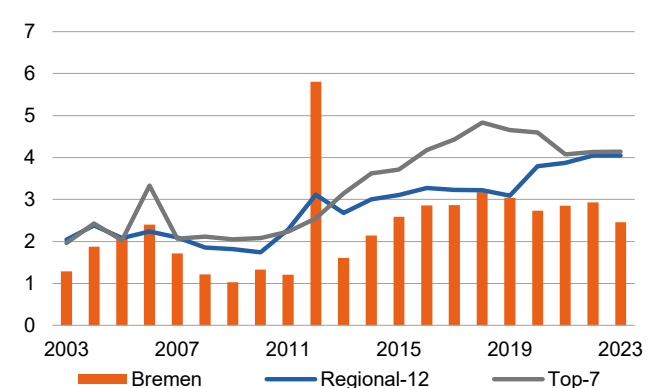
**Bremen offers a high quality of life leading to demographic growth and rising rents**

**POPULATION, HOUSEHOLDS AND HOUSING STOCK**  
ABSOLUTE CHANGE FROM 2011 TO 2022



Source: Destatis (2011 Census / 2022 Census)

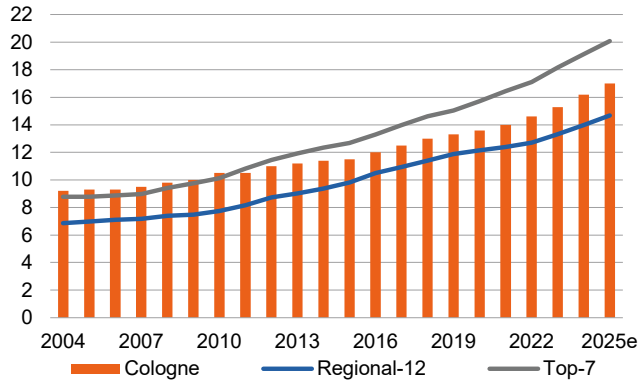
**TREND IN RESIDENTIAL CONSTRUCTION**  
COMPLETED HOUSING UNITS PER 1,000 INHABITANTS



Source: bulwiengesa, German cities: New build figures

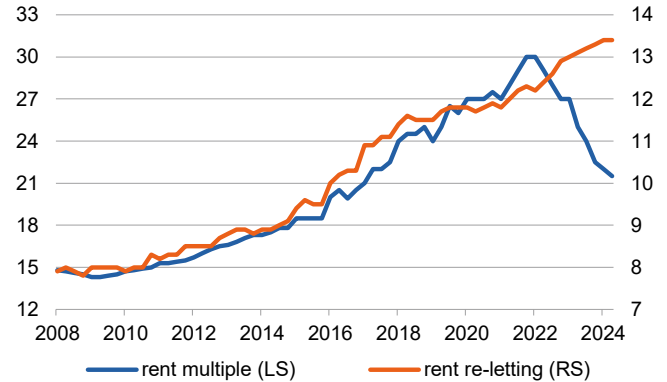
## Cologne

**INITIAL RESIDENTIAL RENTS**  
IN EURO PER M<sup>2</sup>



Source: bulwiengesa

**MULTI-OCCUPANCY INVESTMENT PROPERTIES**  
LS: PURCHASE PRICE IN ANNUAL NET RENTS, RS: IN EURO PER M<sup>2</sup>

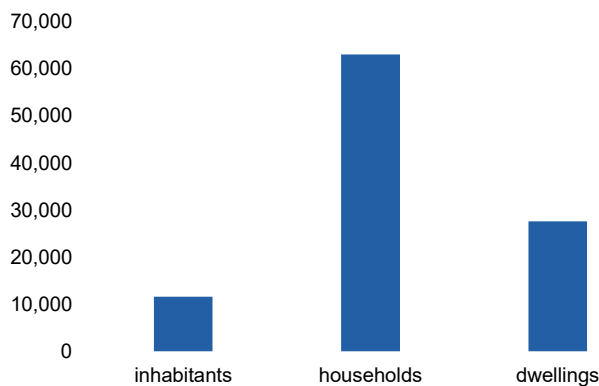


Source: bulwiengesa

Census figures published in June were disappointing for Cologne: The number of inhabitants was revised downwards by 64,000 to just over one million inhabitants from the extrapolation. This means that population growth from 2011 to 2022 was just one per cent. All the while, Cologne scores for a high quality of life, a rich cultural offer, lively job market and relatively cheap housing market. In spite of weak population growth, demand for housing has nevertheless increased on the back of a growing number of households. In contrast, new building at an annual rate of less than three completions per 1,000 inhabitants has not been sufficient and residential rents have therefore gone up noticeably. Initial rents rose by 37 per cent within a ten year period and rents for re-lets by 50 per cent. Rents stood at EUR 16.30 per m<sup>2</sup> for a newly built property in mid-2024, and at EUR 13.40 per m<sup>2</sup> for re-lets. In expensive locations, which are mainly in the city centre and the district on the left bank of the Rhine, the figure is around EUR 23 per m<sup>2</sup>. Housing supply should improve in the next few years with the many development projects around the city in anticipation of a growing population. These include Parkstadt Süd, the Clouth site, Ehrenveedel and Deutzer Hafen. Bearing in mind high construction and financing costs, however, planned housing construction could be delayed. Rents are therefore likely to continue to rise.

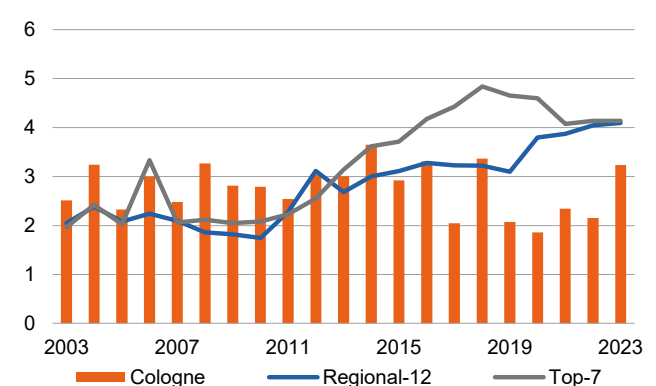
### Attractive cathedral city planning new housing in many development projects

**POPULATION, HOUSEHOLDS AND HOUSING STOCK**  
ABSOLUTE CHANGE FROM 2011 TO 2022



Source: Destatis (Census 2011 / Census 2022)

**TREND IN RESIDENTIAL CONSTRUCTION**  
COMPLETED HOUSING UNITS PER 1,000 INHABITANTS

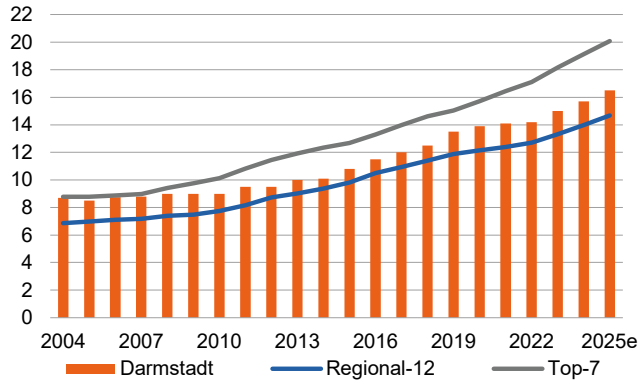


Source: bulwiengesa, German cities: New build figures



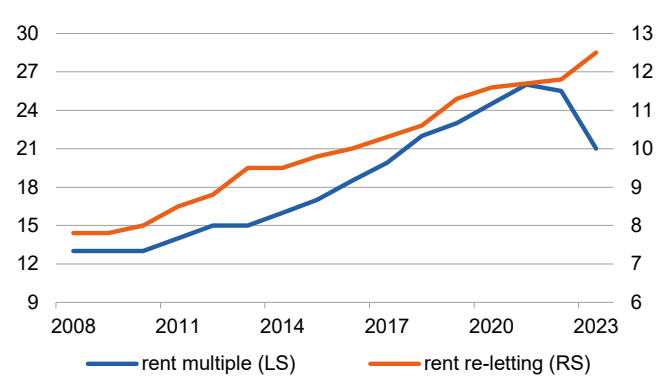
Darmstadt

INITIAL RESIDENTIAL RENTS  
IN EUR PER M<sup>2</sup>



Source: bulwiengesa

MULTI-OCCUPANCY INVESTMENT PROPERTIES  
LS: PURCHASE PRICE IN ANNUAL NET RENTS, RS: IN EUR PER M<sup>2</sup>

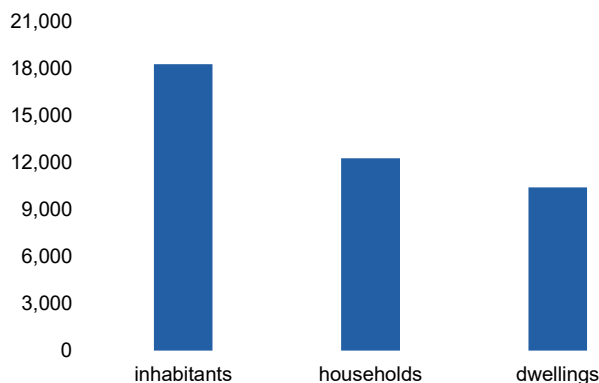


Source: bulwiengesa

Darmstadt’s demographic growth of nearly 13 per cent from 2011 to 2022 is the second highest in relative terms after Leipzig. Its population has grown to more than 160,000. Contributory factors are a high quality of life, a favourable location on the southern edge of the Rhine-Main area, demand for skilled workers for the regional economy, and the major importance of education and science with more than 40,000 students. High demand for housing due to migration has so far been counterbalanced by above-average levels of new construction. However, demand has not been met. The strained conditions in the housing market have resulted in very high rents. The average initial rent climbed by 50 per cent to EUR 15 per sqm between 2013 and 2023, bringing it in line with the top locations of Düsseldorf and Cologne. Rents for relets increased by a more moderate 32 per cent, but are also high at EUR 12.50 per sqm. One positive factor is that Darmstadt has access to large-scale converted space formerly used by the US Army. The development of the Lincoln residential quarter with housing for 5,000 people has been followed by the Ludwigshöhviertel which will accommodate another 3,000. A further 33 hectares on the site of the Starkenburg barracks will also be converted in the longer term. However, high construction and financing costs are also likely to hamper new build projects in Darmstadt, and the housing shortage could therefore drive rents up again sharply, despite their already high levels.

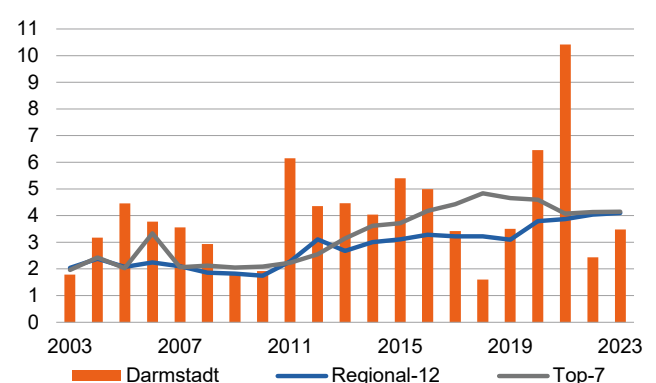
**“City of Science” a sought-after, but also a very expensive residential location in the south of the Rhine-Main region**

POPULATION, HOUSEHOLDS AND HOUSING STOCK  
ABSOLUTE CHANGE FROM 2011 TO 2022



Source: Destatis (2011 Census / 2022 Census)

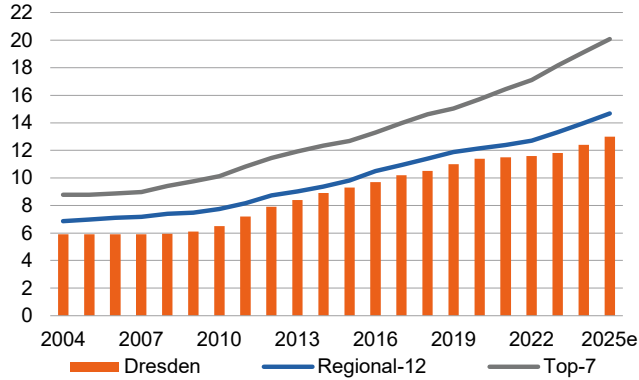
TREND IN RESIDENTIAL CONSTRUCTION  
COMPLETED HOUSING UNITS PER 1,000 INHABITANTS



Source: bulwiengesa, German cities: New build figures

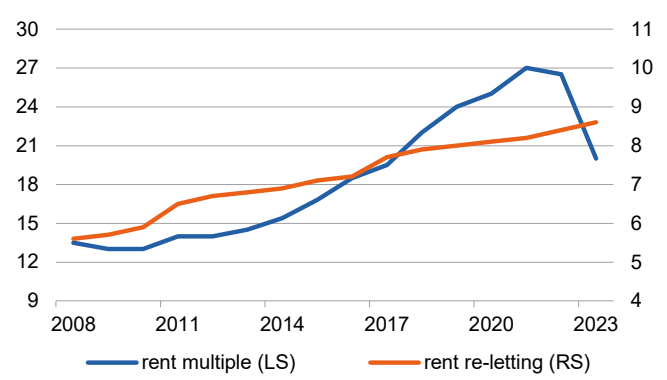
Dresden

INITIAL RESIDENTIAL RENTS  
IN EUR PER M<sup>2</sup>



Source: bulwiengesa

MULTI-OCCUPANCY INVESTMENT PROPERTIES  
LS: PURCHASE PRICE IN ANNUAL NET RENTS, RS: IN EUR PER M<sup>2</sup>

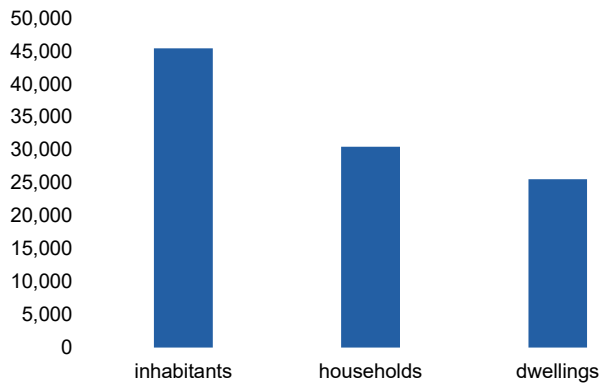


Source: bulwiengesa

Dresden is one of the prominent examples of the “boom in the East”, with its strong demographic growth, economic success, particularly in microelectronics, and moderate unemployment for a major city. The quality of life is also high in this attractive city. Between 2011 and 2022 the population grew by 9 per cent to nearly 560,000. The capital of Saxony is consequently the third largest city in eastern Germany. Residential rents have nevertheless increased comparatively moderately. Rents for relets grew by 27 per cent to EUR 8.60 per sqm between 2013 and 2023. Initial rents increased slightly more sharply by 40 per cent, to EUR 11.80 per sqm. Factors which are hampering rent growth include vacant properties in the existing housing stock, relatively low income levels, strong housebuilding and the rent brake which came into effect here in July 2022. However, the pace of rent growth could accelerate in future. Dresden anticipates demand for 10,000 new build apartments to house the skilled workers needed for its new microchip factories. Available space reserves include the site of the former Leipzig railway station. However, increased construction and financing costs, in conjunction with moderate rent levels, are making project realisation more difficult. The pace of rent growth in Dresden is therefore likely to accelerate.

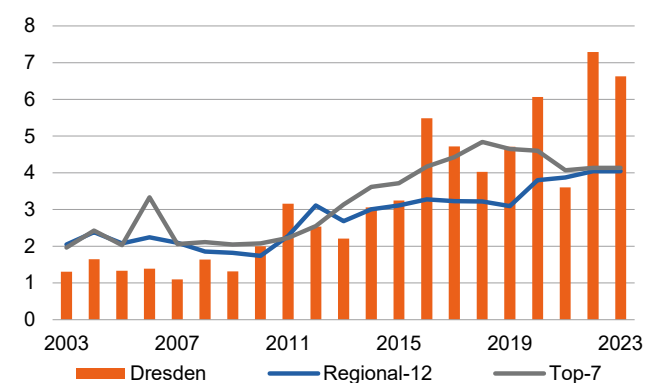
**Despite high demographic growth and an economic upturn, rents are rising moderately**

POPULATION, HOUSEHOLDS AND HOUSING STOCK  
ABSOLUTE CHANGE FROM 2011 TO 2022



Source: Destatis (2011 Census / 2022 Census)

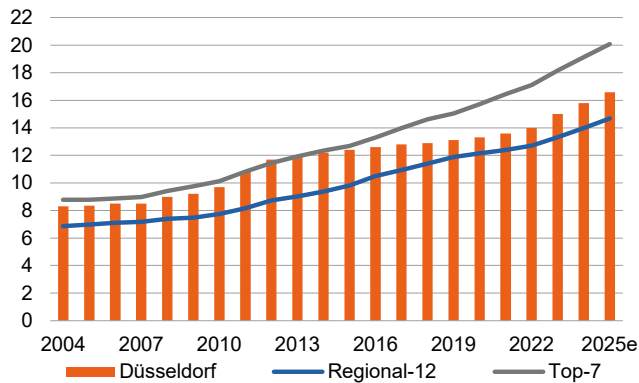
TREND IN RESIDENTIAL CONSTRUCTION  
COMPLETED HOUSING UNITS PER 1,000 INHABITANTS



Source: bulwiengesa, German cities: New build figures

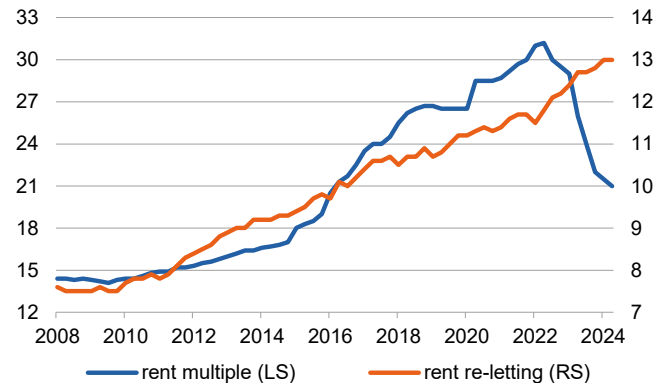
## Düsseldorf

**INITIAL RESIDENTIAL RENTS**  
IN EUR PER M<sup>2</sup>



Source: bulwiengesa

**MULTI-OCCUPANCY INVESTMENT PROPERTIES**  
LS: PURCHASE PRICE IN ANNUAL NET RENTS, RS: IN EUR PER M<sup>2</sup>

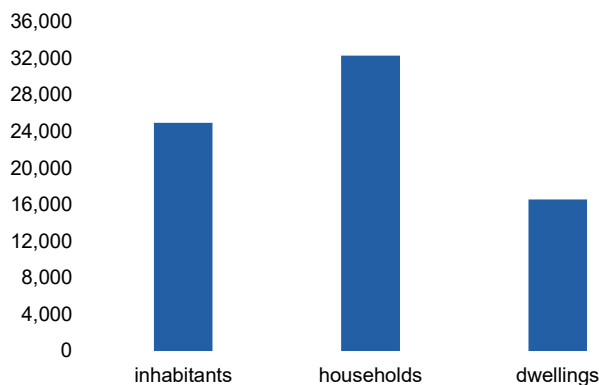


Source: bulwiengesa

The capital city of North Rhine-Westphalia is the second largest city in the federal state, with a population of around 610,000. Between 2011 and 2022 its population grew moderately by just over 4 per cent. Düsseldorf is an international business location, centrally located in the Rhine-Ruhr region. As a residential location, the city benefits from a high quality of life and good labour market supply. The fact that demographic growth is not higher is probably partly due to weaker housebuilding activity compared to other top locations. However, completion figures have increased sharply. As in most major cities, a housing shortage has driven rents up, but the pace has been comparatively weak. From 2013 to 2023 the average initial rent increased by 25 per cent. Rents for relets have however risen much more steeply by 36 per cent. In mid-2024, initial rents were EUR 15.30 per sqm, and EUR 13 for relets. Exclusive residential locations on the Rhine are much more expensive, with initial rents of more than EUR 22 per sqm. Overall, the Düsseldorf housing market is comparatively favourably priced among the top locations. The slowing of housebuilding as a result of the construction crisis could lead to an acceleration of rent growth from its previously more moderate pace.

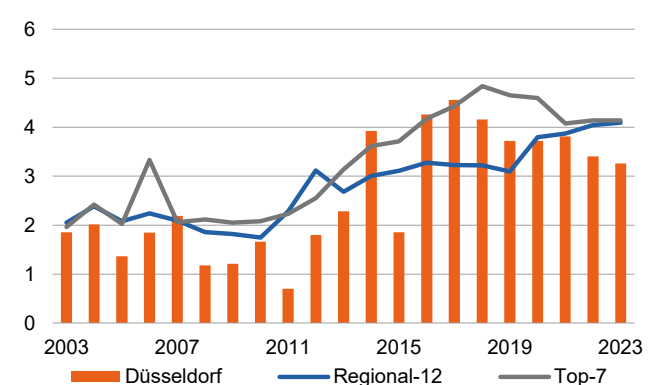
**Top location with comparatively low rents and moderate demographic growth**

**POPULATION, HOUSEHOLDS AND HOUSING STOCK**  
ABSOLUTE CHANGE FROM 2011 TO 2022



Source: Destatis (2011 Census / 2022 Census)

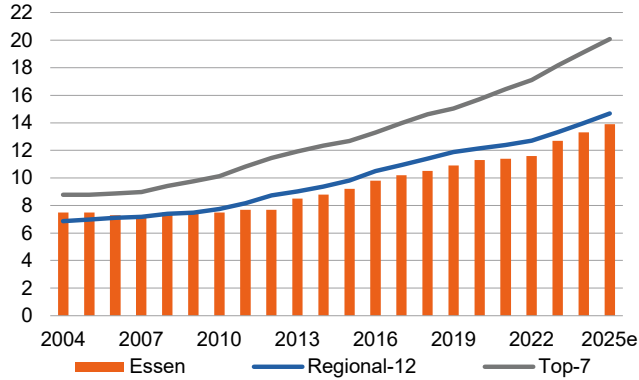
**TREND IN RESIDENTIAL CONSTRUCTION**  
COMPLETED HOUSING UNITS PER 1,000 INHABITANTS



Source: bulwiengesa, German cities: New build figures

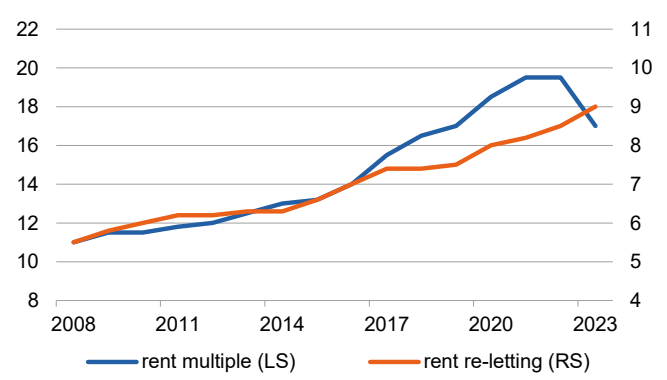
Essen

INITIAL RESIDENTIAL RENTS  
IN EUR PER M<sup>2</sup>



Source: bulwiengesa

MULTI-OCCUPANCY INVESTMENT PROPERTIES  
LS: PURCHASE PRICE IN ANNUAL NET RENTS, RS: IN EUR PER M<sup>2</sup>

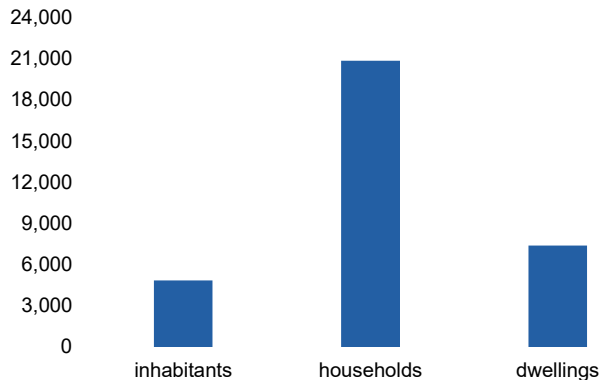


Source: bulwiengesa

Essen is an important business centre and the location for many company headquarters. However, the crisis in mining and steel construction caused the population to contract by around 150,000. A total of 35,000 students attending higher education institutions prevented an even steeper decline. However, the downward trend has come to a halt. From 2011 to 2022 the population increased slightly by 1 per cent to 570,000 people. Despite a successful structural shift, migration is slowing due to a continuing weak labour market with an unemployment rate of 11 per cent. Demand for housing is nevertheless growing as a result of the increasing number of private households, but is offset by weak new construction which has barely accelerated in recent years. Fewer than 2 apartments are being completed per 1,000 inhabitants. This is leading to a moderate vacancy rate of less than 3 per cent despite a marked decline in the population. There is a particular shortage of attractive new build homes. Although rents have increased sharply by more than 40 per cent within the last ten years, they remain at a comparatively moderate level. In 2023, initial rents cost EUR 12.70 per sqm, and EU 9 for relets. Rents look set to increase again due to low volumes of new construction. City centre locations and elegant districts in the south of the city such as Bredeney, Schuir and Kettwig are in particular demand. Problem areas are concentrated in the north of the city.

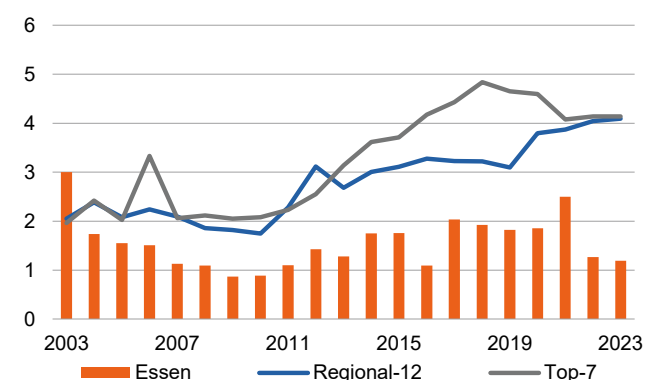
**Despite a stagnating population, housing demand is growing**

POPULATION, HOUSEHOLDS AND HOUSING STOCK  
ABSOLUTE CHANGE FROM 2011 TO 2022



Source: Destatis (2011 Census / 2022 Census)

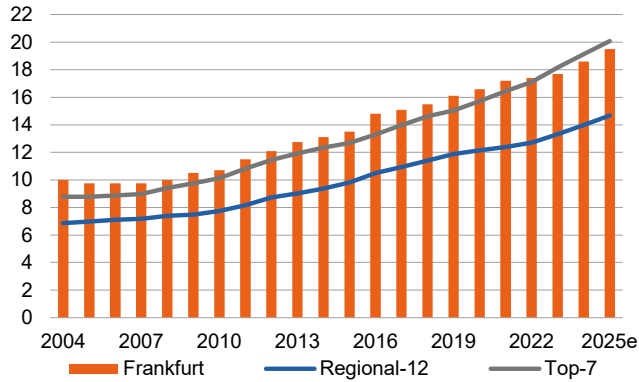
TREND IN RESIDENTIAL CONSTRUCTION  
COMPLETED HOUSING UNITS PER 1,000 INHABITANTS



Source: bulwiengesa, German cities: New build figures

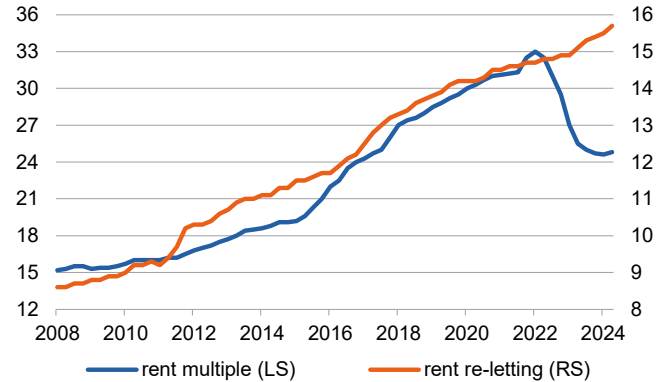
Frankfurt

INITIAL RESIDENTIAL RENTS  
IN EUR PER M<sup>2</sup>



Source: bulwiengesa

MULTI-OCCUPANCY INVESTMENT PROPERTIES  
LS: PURCHASE PRICE IN ANNUAL NET RENTS, RS: IN EUR PER M<sup>2</sup>

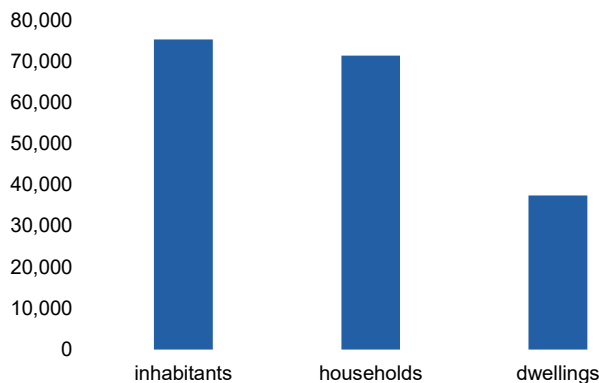


Source: bulwiengesa

The population of the international Financial Centre Frankfurt has grown very strongly in response to continuing high demand for skilled workers. The city was the only top location to experience double-digit demographic growth of more than 11 per cent between 2011 and 2022. The population has increased to around 745,000. Housebuilding in Frankfurt has almost consistently reached above-average levels in recent years. However, the number of private households has grown at nearly twice the rate at which the housing stock has expanded. This has resulted in continuing tensions in the housing market with high and sharply rising rents, which increased by a good 40 per cent from 2013 to 2023. In mid-2024 the average rent for a new build apartment was EUR 18.50 per sqm and EUR 15.70 for a relet. Only Berlin and Munich are more expensive. Whether the high level of residential construction of, on average, almost 6 completions per year per 1,000 inhabitants, can be sustained is doubtful since, according to information from the city authorities, the potential for further housebuilding contracted in 2023 to 12,600 apartments. The construction crisis has in any case led to fewer completions, and – with migration remaining high – the tensions in the housing market are likely to tend to escalate. Rents could therefore increase further from their already high levels.

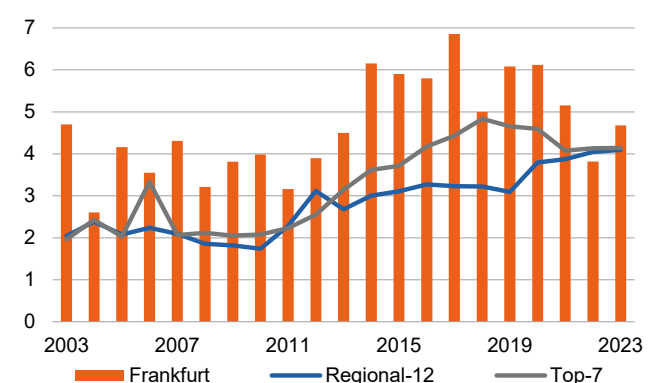
**Strong housebuilding fails to keep pace with marked demographic growth**

POPULATION, HOUSEHOLDS AND HOUSING STOCK  
ABSOLUTE CHANGE FROM 2011 TO 2022



Source: Destatis (2011 Census / 2022 Census)

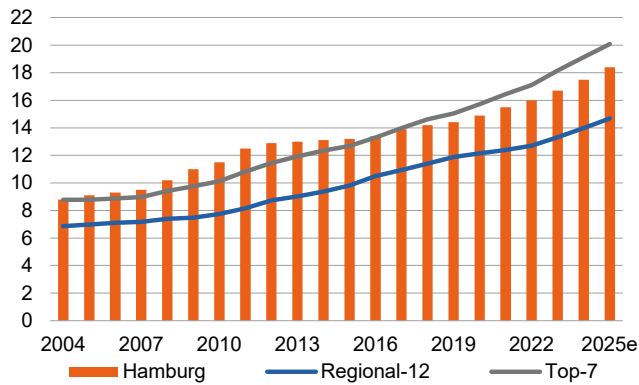
TREND IN RESIDENTIAL CONSTRUCTION  
COMPLETED HOUSING UNITS PER 1,000 INHABITANTS



Source: bulwiengesa, German cities: New build figures

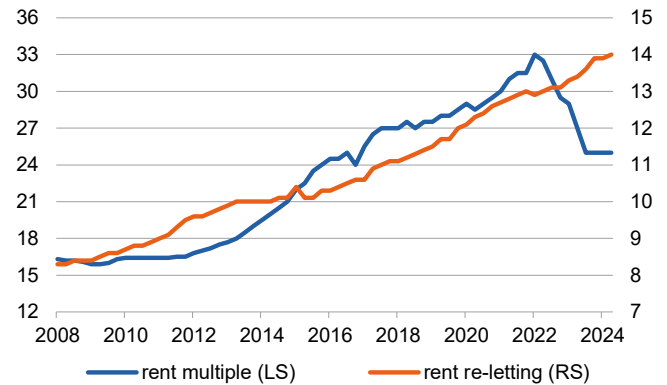
## Hamburg

**INITIAL RESIDENTIAL RENTS**  
IN EUR PER M<sup>2</sup>



Source: bulwiengesa

**MULTI-OCCUPANCY INVESTMENT PROPERTIES**  
LS: PURCHASE PRICE IN ANNUAL NET RENTS, RS: IN EUR PER M<sup>2</sup>

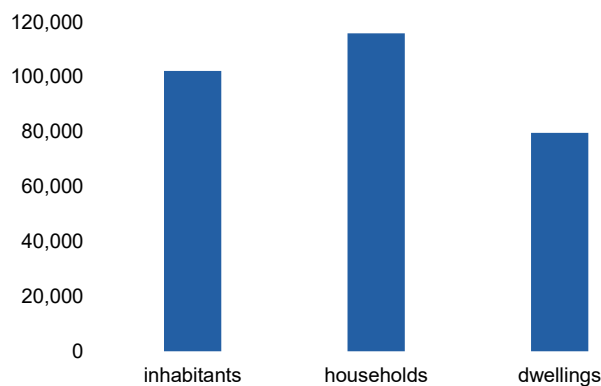


Source: bulwiengesa

More than 1.8 million people live in Germany's second largest city. However, demographic growth of 6 per cent between 2011 and 2022 is fairly moderate for the locations we have reviewed. Nevertheless, the absolute growth of more than 100,000 people is in line with the typical population of a major city. In response to growing demand for housing, the city set up the Alliance for Housing in 2011. The target of 10,000 approved apartments each year has not been consistently achieved, although construction volumes have been relatively high compared to other major cities, with nearly 5 completions per 1,000 inhabitants. However, similar to most cities, the number of private households has grown faster than the housing stock, and virtually no more accommodation is therefore available. The municipal housing association SAGA reported a vacancy rate of only 0.2 per cent in 2023. As a result, rent growth in Hamburg has been strong, but has at least been braked slightly – probably due in part to the success of the Alliance for Housing. With an average initial rent of EUR 17.50 per sqm and EUR 14 per sqm for a relet in mid-2024, rents are lower than in Berlin, Frankfurt and Munich. The multiplier for multi-occupancy homes is also mid-range for the top locations, at 25 years of net rent. A high quality of life and demand for labour in the diversified economy are likely to be accompanied by further demographic growth and a resulting rent hike.

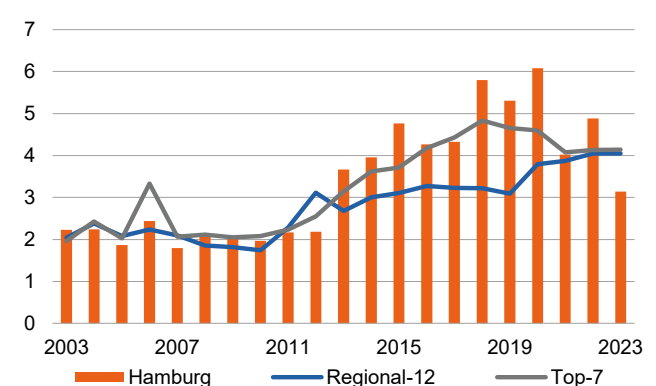
**Population growth in Germany's second largest city is more moderate, and housing supply slightly better, due to higher levels of new construction**

**POPULATION, HOUSEHOLDS AND HOUSING STOCK**  
ABSOLUTE CHANGE FROM 2011 TO 2022



Source: Destatis (2011 Census / 2022 Census)

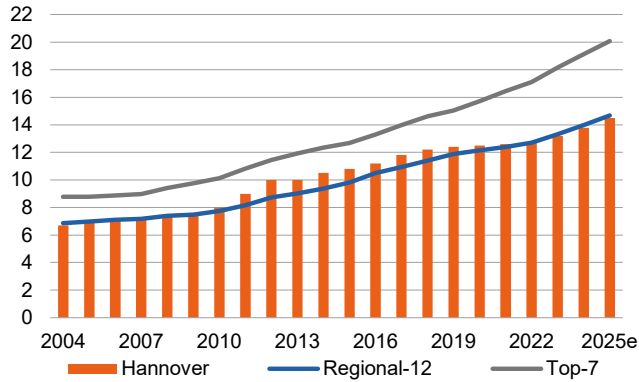
**TREND IN RESIDENTIAL CONSTRUCTION**  
COMPLETED HOUSING UNITS PER 1,000 INHABITANTS



Source: bulwiengesa, German cities: New build figures

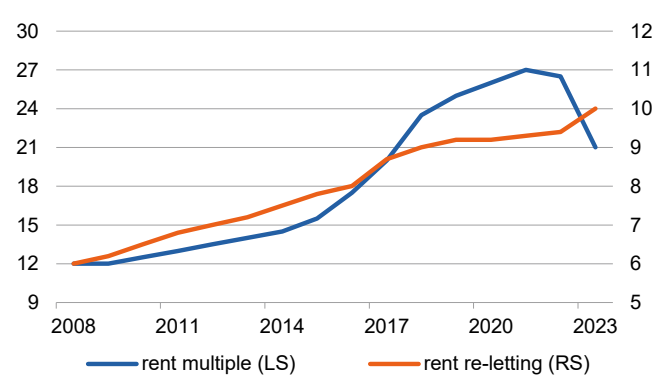
Hannover

INITIAL RESIDENTIAL RENTS  
IN EURO PER M<sup>2</sup>



Source: bulwiengesa

MULTI-OCCUPANCY INVESTMENT PROPERTIES  
LS: PURCHASE PRICE IN ANNUAL NET RENTS, RS: IN EURO PER M<sup>2</sup>

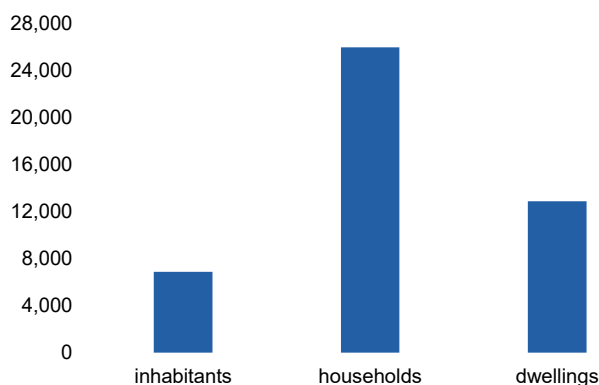


Source: bulwiengesa

According to the latest census figures, the population in the capital of Lower-Saxony, Hannover, has hardly grown in the last few years with an increase of just 1.4 per cent in the period from 2011 to 2022, i.e. much less than had been expected based on an extrapolation of earlier growth. Hannover's housing stock has grown slightly faster than the number of households, so that the relatively moderate rise in rents hardly comes as any surprise. Rents for newly built apartments increased by 32 per cent in the period from 2013 to 2023 while rents for re-lets rose by a good 40 per cent. In 2023, initial rents for new builds cost EUR 13.20 per m<sup>2</sup> and rents for re-lets EUR 10 per m<sup>2</sup>. As such, unlike in the case of office and retail real estate, Hannover does not have above-average residential rents. The fact that rents still rose a fair amount in spite of a stagnating population reflects not least the weak level of new building. However, the city's housing construction push has had an effect with completion figures shooting up in 2022 and above all in 2023. Flats are being built mostly on the former Continental factory site in the Limmer "water city" area with around 2,000 units and in Kronsrode where 3,500 housing units are expected to go up in Lower Saxony's largest new development site. The completion of these large-scale house-building plans is likely to help ensure that rents in Hannover continue to rise at a slightly slower pace.

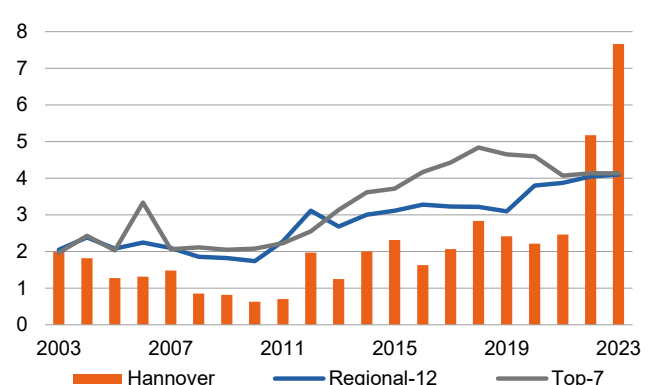
Major new build drive in spite of only slow population growth

POPULATION, HOUSEHOLDS AND HOUSING STOCK  
ABSOLUTE CHANGE FROM 2011 TO 2022



Source: Destatis (Census 2011 / Census 2022)

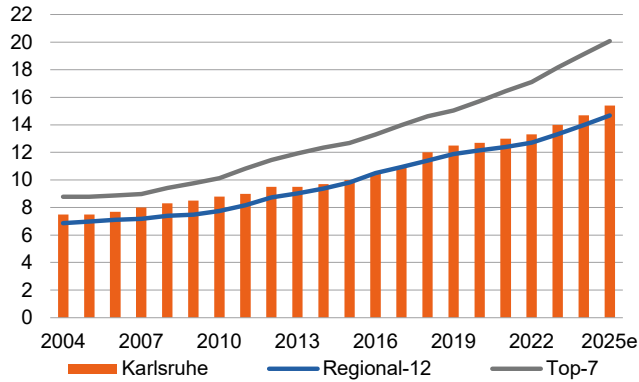
TREND IN RESIDENTIAL CONSTRUCTION  
COMPLETED HOUSING UNITS PER 1,000 INHABITANTS



Source: bulwiengesa, German cities: New build figures

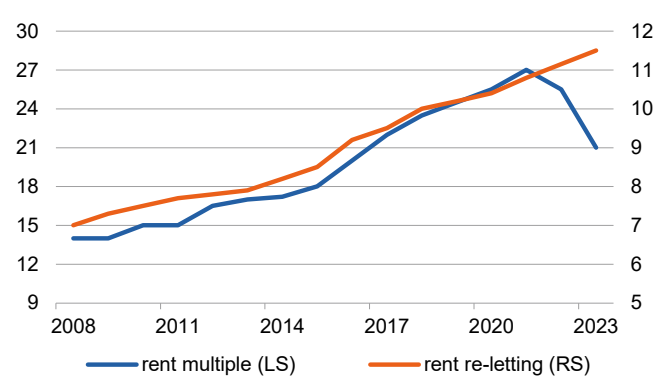
## Karlsruhe

**INITIAL RESIDENTIAL RENTS  
IN EURO PER M<sup>2</sup>**



Source: bulwiengesa

**MULTI-OCCUPANCY INVESTMENT PROPERTIES  
LS: PURCHASE PRICE IN ANNUAL NET RENTS, RS: IN EURO PER M<sup>2</sup>**

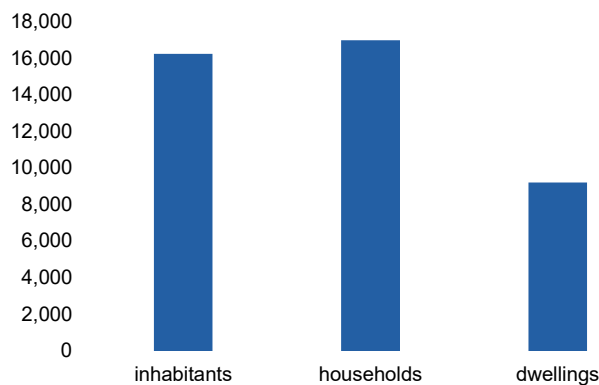


Source: bulwiengesa

Karlsruhe is the third largest city in Baden-Württemberg. Although important elsewhere in the German state, industry hardly plays a role here. Karlsruhe is a centre for administration, science and technology and services as well as home to major institutions such as the Federal Constitutional Court. The population grew by almost six per cent to 305,000 inhabitants from 2011 to 2022. A high quality of life in this city with its fan-shaped layout and solid labour market has made Karlsruhe into a sought-after place to live. A student population of over 38,000 enrolled at the various higher education institutions also has a major impact on housing demand. Rather weak new house building recently at just two completions per annum per 1,000 inhabitants has lagged behind the increase in the number of households. Excess demand has gone hand-in-hand with rising rents which have surged by almost 50 per cent in ten years. Initial rents for new builds stood at EUR 14 per m<sup>2</sup> in 2023 and at EUR 11.50 per m<sup>2</sup> for re-lets. Karlsruhe's housing market is likely to remain tight since housing construction could be slowed down even further by the current crisis in the construction sector. Rents are likely to continue to rise sharply. Supply should improve with 1,000 flats planned for the Greenville residential development.

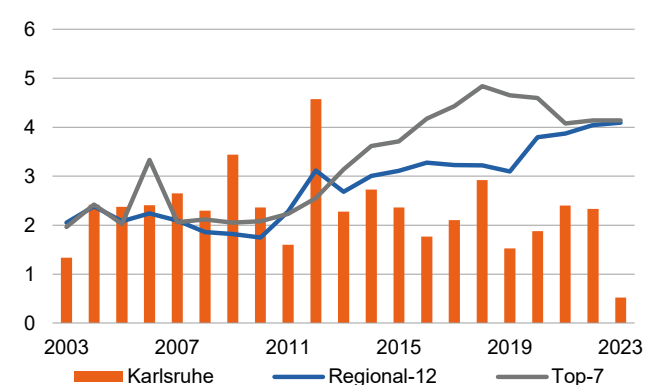
### Housing market still tight in view of weak new building

**POPULATION, HOUSEHOLDS AND HOUSING STOCK  
ABSOLUTE CHANGE FROM 2011 TO 2022**



Source: Destatis (Census 2011 / Census 2022)

**TREND IN RESIDENTIAL CONSTRUCTION  
COMPLETED HOUSING UNITS PER 1,000 INHABITANTS**

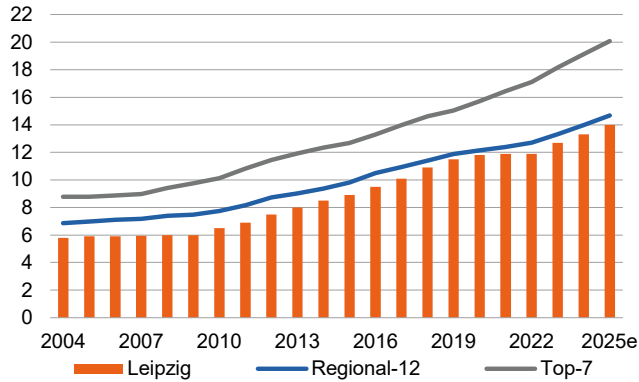


Source: bulwiengesa, German cities: New build figures



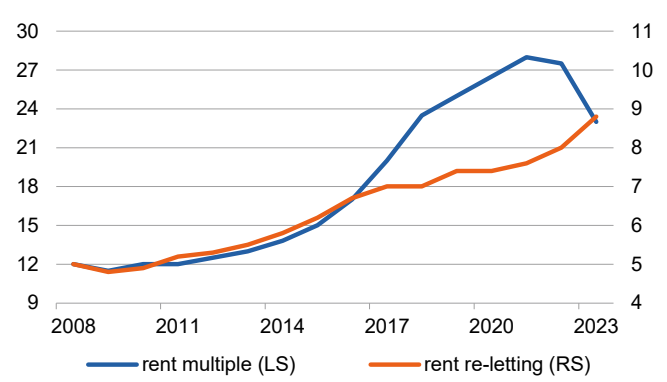
## Leipzig

**INITIAL RESIDENTIAL RENTS**  
IN EURO PER M<sup>2</sup>



Source: bulwiengesa

**MULTI-OCCUPANCY INVESTMENT PROPERTIES**  
LS: PURCHASE PRICE IN ANNUAL NET RENTS, RS: IN EURO PER M<sup>2</sup>

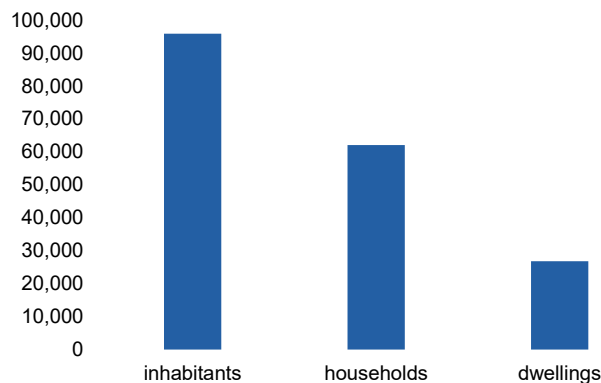


Source: bulwiengesa

Leipzig has grown to around 600,000 inhabitants on the back of a huge influx of newcomers and now ranks in eighth place among Germany's largest cities. The population grew by 19 per cent from 2011 to 2022. An increase of 96,000 inhabitants is in line with growth in Hamburg, which is three times the size of Leipzig. The influx has been driven by a high quality of life in a city rich in historical buildings and by the economic upturn. In spite of a sharp fall in unemployment, however, incomes have remained low. Further strong demand for housing is coming up against a generally average level of new housing construction. For a time, it was possible to meet excess demand from earlier vacancies, but now that that source has been whittled down, the housing market is becoming increasingly tight, a fact reflected in a sharp rise of 60 per cent in rents within a period of ten years – albeit from a low level. In 2023, the initial rent for a new build stood at EUR 12.70 per m<sup>2</sup>, and at EUR 8.80 per m<sup>2</sup> for re-lets. The Leipzig Association for Affordable Housing was created in 2020 in an effort to dampen the rise in rents. Bearing in mind the fact that vacancies have dwindled and the ongoing influx of newcomers to the city, the number of completions would have to rise – a prospect hampered by the crisis in housing construction. To that extent, we can expect rents in Leipzig to continue to rise sharply.

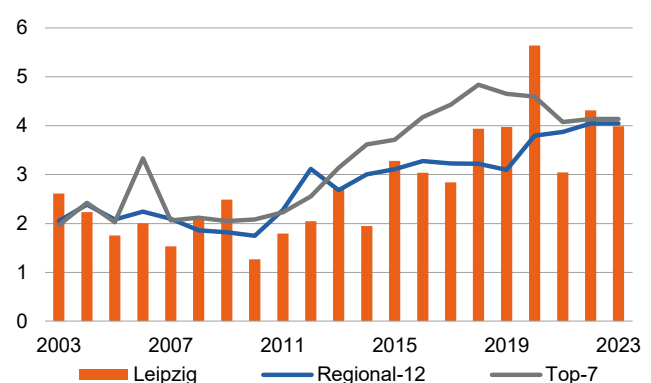
### Housing market under pressure through huge influx to this attractive city

**POPULATION, HOUSEHOLDS AND HOUSING STOCK**  
ABSOLUTE CHANGE FROM 2011 TO 2022



Source: Destatis (Census 2011 / Census 2022)

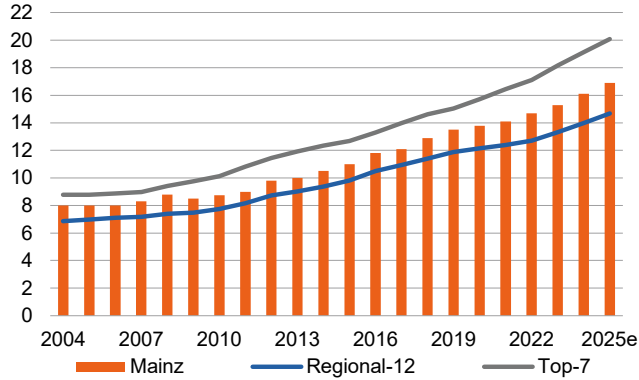
**TREND IN RESIDENTIAL CONSTRUCTION**  
COMPLETED HOUSING UNITS PER 1,000 INHABITANTS



Source: bulwiengesa, German cities: New build figures

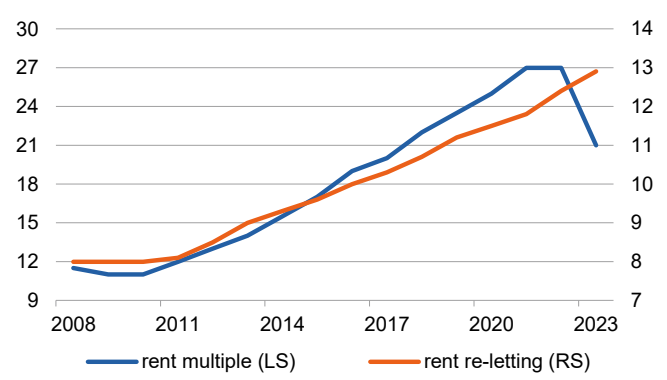
## Mainz

**INITIAL RESIDENTIAL RENTS**  
IN EURO PER M<sup>2</sup>



Source: bulwiengesa

**MULTI-OCCUPANCY INVESTMENT PROPERTIES**  
LS: PURCHASE PRICE IN ANNUAL NET RENTS, RS: IN EURO PER M<sup>2</sup>

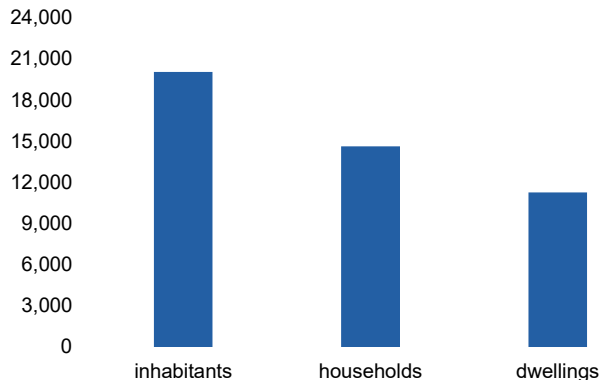


Source: bulwiengesa

The Rhineland-Palatinate capital Mainz benefits from an advantageous position on the Rhine in the western Rhine-Main region. Key economic drivers are public administration, media along with science, technology and research. Thirty seven thousand students are enrolled at the city's various higher education institutions. Together with a high quality of life, this means that the city has become a sought-after and expensive place to live. Purchase prices and rents are moving more or less in line with the level in Cologne. However, flats are still a good deal cheaper than 45 kilometres away in Frankfurt, which is now well within reach with the connection to the suburban railway network (S-Bahn). On balance, Mainz still showed strong growth of 10 per cent between 2011 and 2022 to around 220,000 inhabitants. In spite of an above-average pace of housing construction in the city, it has not been able to keep pace with the rapidly rising number of households. Initial rents in the housing market in 2023 cost EUR 15.30 per m<sup>2</sup> and EUR 13 per m<sup>2</sup> for re-lets. Initial rents for new builds rose by over 50 per cent within the space of ten years; rents for re-lets rose by over 40 per cent. Larger residential developments are going up in the Zollhafen area, on the Heiligkreuz site, the site of the former GFK barracks and Medienberg. However, the crisis in the construction sector is also slowing down new building in Mainz, thus compounding market tensions, which could go hand-in-hand with a further sharp rise in rents.

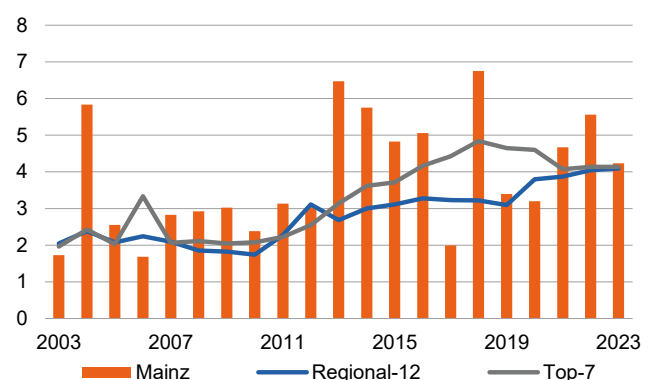
**As expensive as Cologne, Mainz is a sought-after place to live on the western periphery of the Rhine-Main region**

**POPULATION, HOUSEHOLDS AND HOUSING STOCK**  
ABSOLUTE CHANGE FROM 2011 TO 2022



Source: Destatis (Census 2011 / Census 2022)

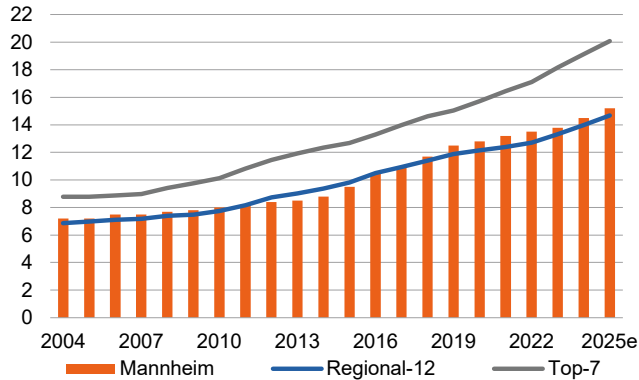
**TREND IN RESIDENTIAL CONSTRUCTION**  
COMPLETED HOUSING UNITS PER 1,000 INHABITANTS



Source: bulwiengesa, German cities: New build figures

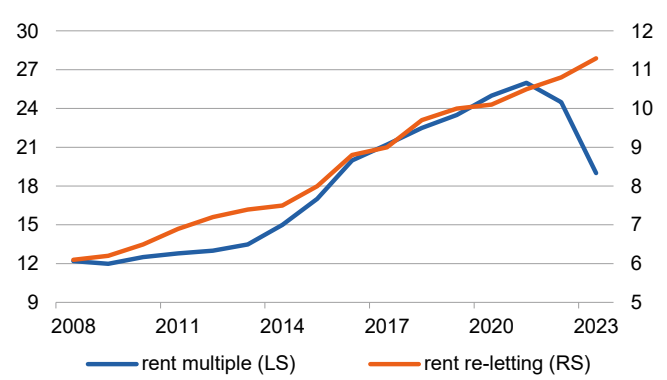
Mannheim

INITIAL RESIDENTIAL RENTS  
IN EURO PER M<sup>2</sup>



Source: bulwiengesa

MULTI-OCCUPANCY INVESTMENT PROPERTIES  
LS: PURCHASE PRICE IN ANNUAL NET RENTS, RS: IN EURO PER M<sup>2</sup>

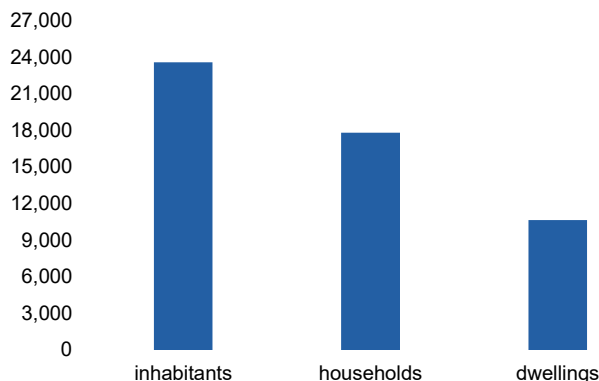


Source: bulwiengesa

Mannheim's transformation from an industrial to a services city is showing clear signs of success, including a much improved labour market and strong migration to the city. This has led to an 8 per cent increase in the population to almost 315,000 inhabitants in the period from 2011 to 2022. Demand in the housing market is also being driven by 28,000 students enrolled at the various higher education institutions. Although unlike neighbouring Heidelberg, Mannheim fails to score points for beauty in the economically strong Rhine-Neckar region, it has a cheaper housing market. In addition, the city's development is benefiting from former military sites which are available for redevelopment and therefore mean substantial reserves of building land. The 2023 Federal Garden Show took place on such land and will improve recreational facilities for Mannheim in the long term. New housing is planned above all in the new Franklin district. After a long period of weak housing construction, it picked up significantly from 2020 onwards. Growing demand for housing has led to an increase of over 50 per cent in rents from 2013 to 2023 and of over 60 per cent for initial rents for new builds. In 2023, initial rents cost on average EUR 13.80 per m<sup>2</sup> and re-lets EUR 11.30 per m<sup>2</sup>. Rents are likely to rise further, especially since the crisis in the construction sector could once again slow down house building. As a new incentive, a premium is to be paid to tenants to encourage them to downsize if they no longer require so much space.

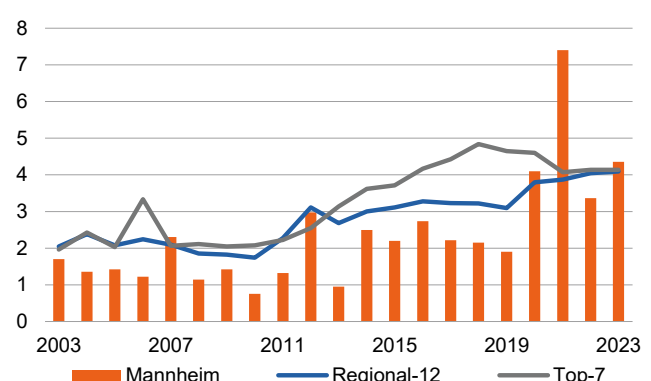
**Mannheim's growing attraction as a place to live going hand-in-hand with sharply rising rents**

POPULATION, HOUSEHOLDS AND HOUSING STOCK  
ABSOLUTE CHANGE FROM 2011 TO 2022



Source: Destatis (Census 2011 / Census 2022)

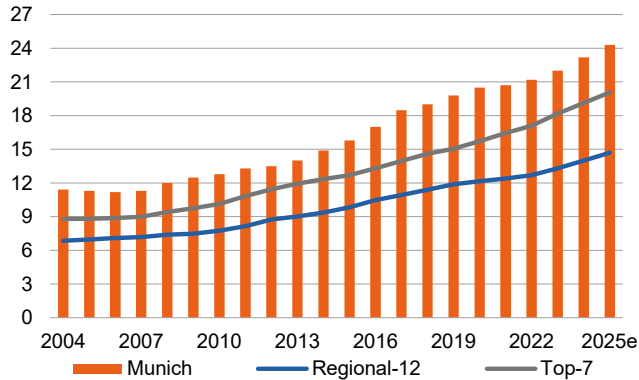
TREND IN RESIDENTIAL CONSTRUCTION  
COMPLETED HOUSING UNITS PER 1,000 INHABITANTS



Source: bulwiengesa, German cities: New build figures

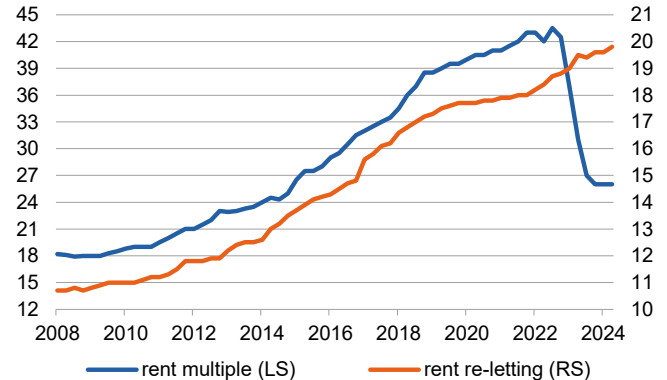
## Munich

**INITIAL RESIDENTIAL RENTS**  
IN EURO PER M<sup>2</sup>



Source: bulwiengesa

**MULTI-OCCUPANCY INVESTMENT PROPERTIES**  
LS: PURCHASE PRICE IN ANNUAL NET RENTS, RS: IN EURO PER M<sup>2</sup>

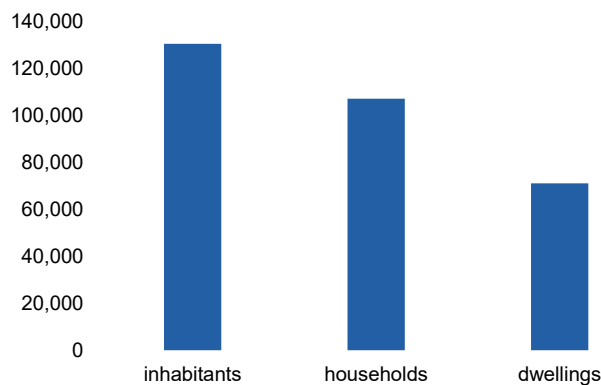


Source: bulwiengesa

The Bavarian capital is Germany's third largest city. A high quality of life and strong economy have led to strong population growth in spite of a hugely expensive housing market. The population grew by over 10 per cent or 130,000 to 1.5m inhabitants from 2011 to 2022 – which equates to a city the size of Würzburg. Munich is Germany's most expensive housing market based on both purchase prices and rents. This reflects not only huge demand for housing, but also a high level of incomes. Employees at the five DAX groups based in the city are well paid, but this is especially true of staff at US IT giants Amazon, Apple, Google and Microsoft, which have each built up a large presence in Munich. Rents for re-lets had almost reached the EUR 20 per m<sup>2</sup> mark by mid-2024. The cost of initial rents is EUR 3 more per m<sup>2</sup>. In spite of the fact that rents had already reached a high level ten years ago, they have been able to increase further by an above-average 60 per cent plus. In spite of already fairly high housing density, the level of new building is still relatively strong, even though it still falls far short of demand. Rents are likely to continue to rise on the back of good economic prospects. There has been a noticeable correction in the case of multi-occupancy properties, leading to a disproportionate fall in the sales multiplier from a maximum of 42 times annual rent to 26 times most recently.

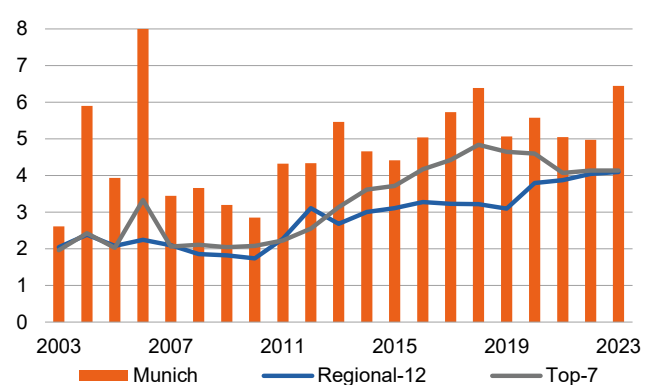
**Strong growth potential for Germany's most expensive city for housing**

**POPULATION, HOUSEHOLDS AND HOUSING STOCK**  
ABSOLUTE CHANGE FROM 2011 TO 2022



Source: Destatis (2011 Census / 2022 Census)

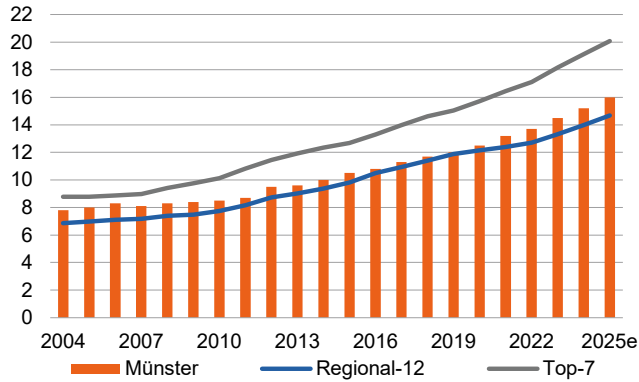
**TREND IN RESIDENTIAL CONSTRUCTION**  
COMPLETED HOUSING UNITS PER 1,000 INHABITANTS



Source: bulwiengesa, German cities: New build figures

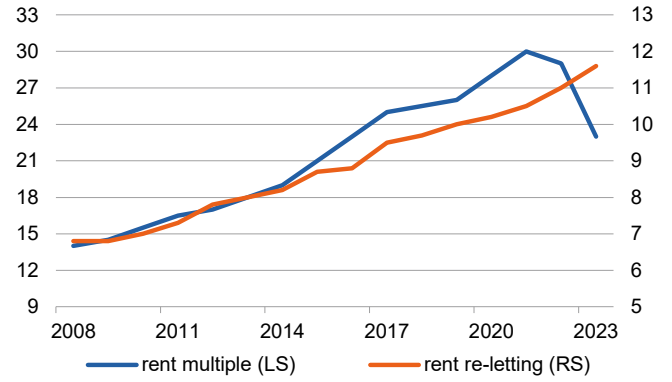
Münster

INITIAL RESIDENTIAL RENTS  
IN EURO PER M<sup>2</sup>



Source: bulwiengesa

MULTI-OCCUPANCY INVESTMENT PROPERTIES  
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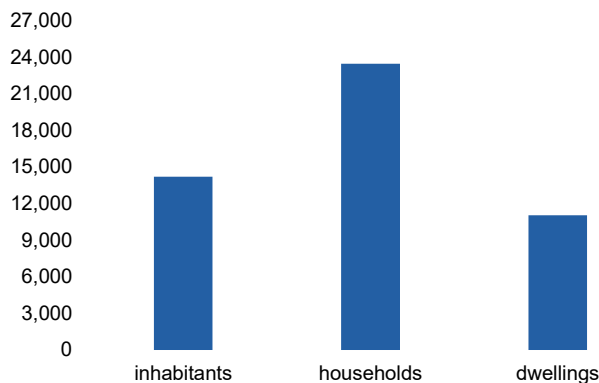


Source: bulwiengesa

Münster is growing, but not quite as much as had been anticipated. According to census figures published in June, population growth is having to be revised downwards by 15,000 to 304,000 inhabitants from the earlier extrapolation. Growth from 2011 to 2022 was nevertheless a respectable 5 per cent, but is no longer in the top league. A tight housing market could dampen growth. Rents have reached a high level, even without expensive prime locations in the neighbourhood. Points in favour of Münster are a high quality of life in this attractive city; a sound labour market and the importance of the city as a centre for science and technology. Münster has a student population of 60,000, compounding demand for housing. In addition, there has been a noticeable increase in the number of households, but even strong housing construction with over five completions per 1,000 inhabitants has been insufficient. This has led to an increase of around 50 per cent in rents within a ten-year period, even though they were already high. Initial rents for new builds in 2023 stood at EUR 14.50 per m<sup>2</sup> and at EUR 11.60 m<sup>2</sup> for re-lets. The Kreuz district is a much sought-after address and flats are even more expensive than in the Aasee which is right in the city centre. A fairly large number of new flats are expected to be built on sites formerly occupied by the York and Oxford barracks. However, the crisis in the construction sector could slow down the realisation of these plans. Conditions in the housing market are therefore likely to remain tight, and hence rents could continue to rise sharply.

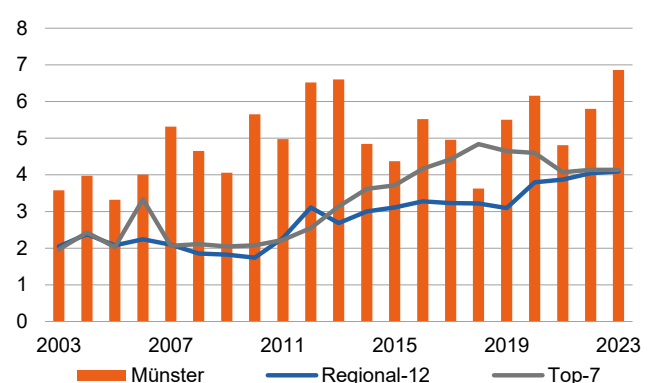
**Housing in short supply and expensive in spite of high level of new building activity**

POPULATION, HOUSEHOLDS AND HOUSING STOCK  
ABSOLUTE CHANGE FROM 2011 TO 2022



Source: Destatis (2011 Census / 2022 Census)

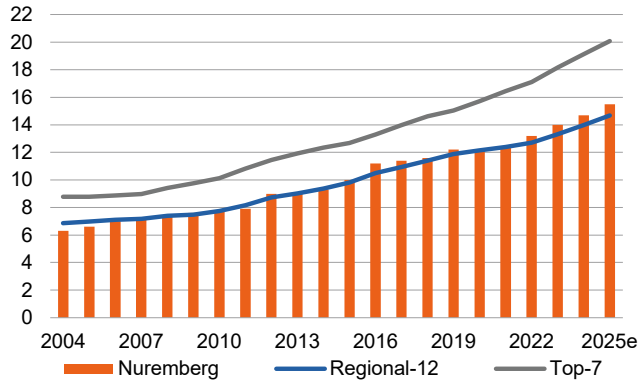
TREND IN RESIDENTIAL CONSTRUCTION  
COMPLETED HOUSING UNITS PER 1,000 INHABITANTS



Source: bulwiengesa, German cities: New build figures

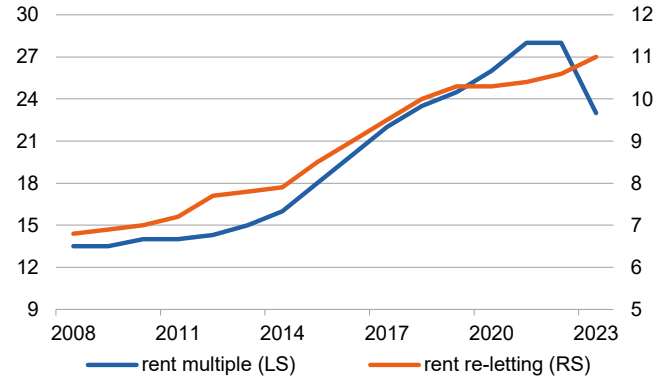
## Nuremberg

**INITIAL RESIDENTIAL RENTS**  
IN EURO PER M<sup>2</sup>



Source: bulwiengesa

**MULTI-OCCUPANCY INVESTMENT PROPERTIES**  
LS: PURCHASE PRICE IN ANNUAL NET RENTS, RS: IN EURO PER M<sup>2</sup>

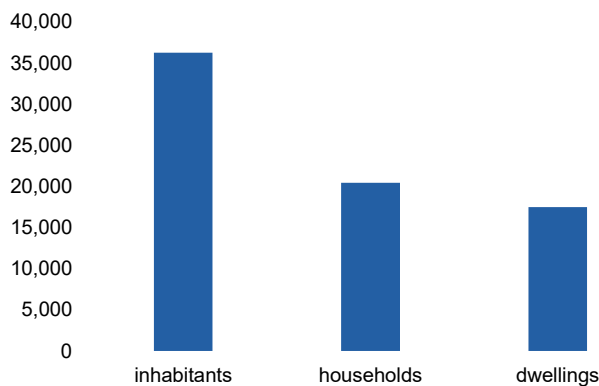


Source: bulwiengesa

Nuremberg is the second largest city in Bavaria with over 520,000 inhabitants. There was strong population growth of 7.5 per cent from 2011 to 2022. The city, known for its Kaiserburg and Christmas market, has successfully managed the structural shift away from industry. Demographic growth has led to a tight residential market and strong rental growth. Initial rents for new builds cost EUR 14 per m<sup>2</sup> and EUR 11 for re-lets. Initial rents for new builds rose by over 50 per cent from 2013 to 2023; rents for re-lets rose by a slightly more moderate 40 per cent. One reason for the tight supply in the housing market is a faster increase in the number of households in relation to the housing stock. The pace of new housing construction has been average with around 3.5 completions per 1,000 inhabitants. In the future, however, the construction crisis could weaken new building. So far, apartments have been built primarily in development areas on the outskirts of the city, but also in some cases on former industrial sites (Quelle, the German alcohol monopoly site and Coca-Cola). For the time being, there is still space for well over 1,000 residential units in Lichtenreuth and Tiefen Feld. However, demand for living space is also set to increase in the future due to employees and students at the new Nuremberg Institute of Technology. Consequently, sharp rises in rents are likely in the short and longer term.

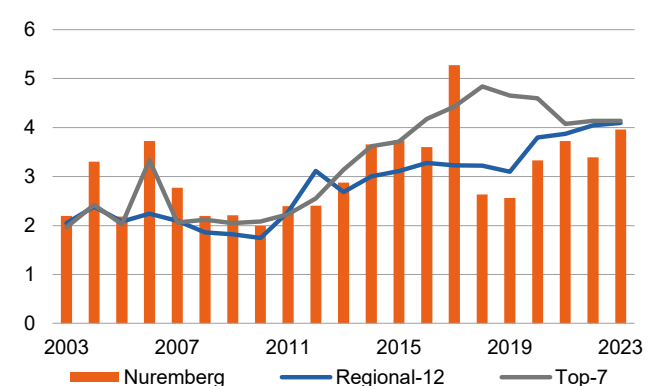
### Land bank volumes drying up in the face of strong growth in the Franconian metropolis

**POPULATION, HOUSEHOLDS AND HOUSING STOCK**  
ABSOLUTE CHANGE FROM 2011 TO 2022



Source: Destatis (2011 Census / 2022 Census)

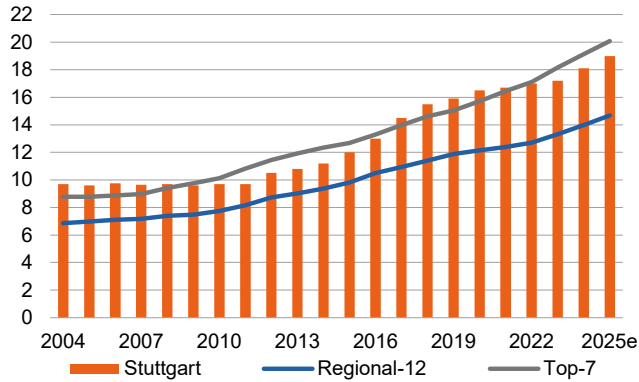
**TREND IN RESIDENTIAL CONSTRUCTION**  
COMPLETED HOUSING UNITS PER 1,000 INHABITANTS



Source: bulwiengesa, German cities: New build figures

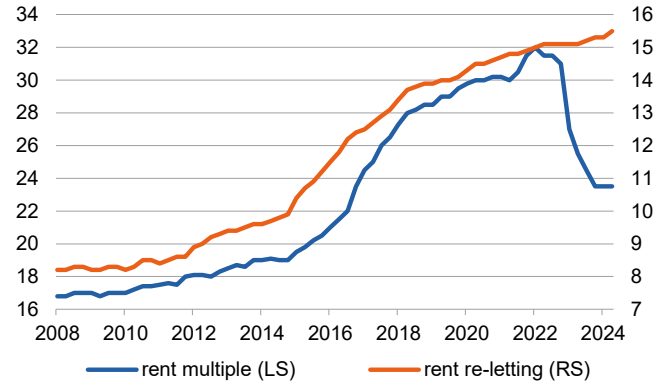
## Stuttgart

**INITIAL RESIDENTIAL RENTS**  
IN EURO PER M<sup>2</sup>



Source: bulwiengesa

**MULTI-OCCUPANCY INVESTMENT PROPERTIES**  
LS: PURCHASE PRICE IN ANNUAL NET RENTS, RS: IN EURO PER M<sup>2</sup>

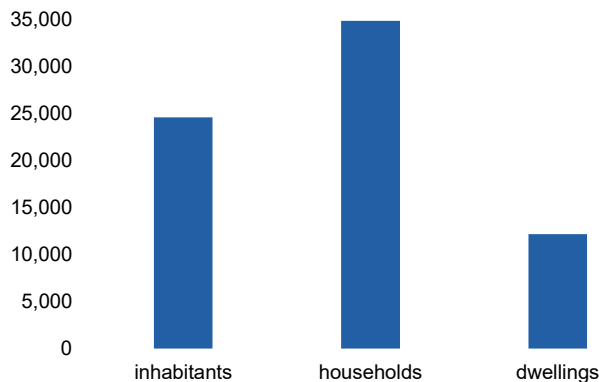


Source: bulwiengesa

Stuttgart stands out among the top locations: It is a major industrial centre and moreover, it has limited room for growth on account of its topography, situated as it is in a valley basin framed by hillsides. This is likely to be one of the reasons for the city's moderate population growth of just 4 per cent from 2011 to 2022. The city's population grew to 610,000 inhabitants. Housing construction is expected to get an injection from the completion of the underground main line station. However, the Stuttgart 21 project is likely to be delayed further until 2026. In addition, the realisation of the planned Rosenstein district which was scheduled to provide 6,000 new flats could be slowed down by the amended "General Railways Act" (Allgemeinen Eisenbahngesetz) which includes stricter requirements regarding the repurposing of railway land. Other residential sites also hang in the balance: There are plans for a reception centre for asylum seekers to be built on the site of the former IBM headquarters, and housing construction on the EnBW site has been shelved for the moment. The crisis in the construction sector is likely to undermine already weak housing construction, further compounding conditions in the housing market, as illustrated by the rise in rents which have surged by 60 per cent in the period from 2013 to 2023. Initial rents for new builds stood at EUR 17.50 per m<sup>2</sup> in mid-2024 and at EUR 15.50 m<sup>2</sup> for re-lets. However, the problems affecting the industrial and automotive sectors could have a dampening effect on Stuttgart's housing market and slow down further rent rises.

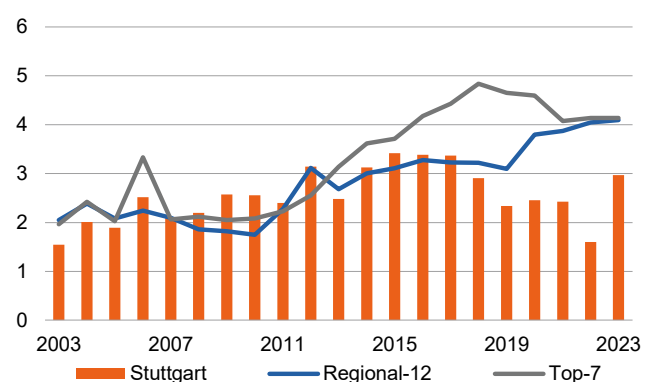
### Tight housing market with generally limited construction

**POPULATION, HOUSEHOLDS AND HOUSING STOCK**  
ABSOLUTE CHANGE FROM 2011 TO 2022



Source: Destatis (2011 Census / 2022 Census)

**TREND IN RESIDENTIAL CONSTRUCTION**  
COMPLETED HOUSING UNITS PER 1,000 INHABITANTS



Source: bulwiengesa, German cities: New build figures

## TABELLAR OVERVIEW

### HOUSING MARKETS AT A GLANCE

	Population		Households		Dwelling stock		Completions		Unemployment rate
	2022	2011 to 2022	2022	2011 to 2022	2022	2011 to 2022	2012 to 2022	Per 1,000 inhabitants 2019 to 2023	August 2024
	in thousands	in %	in thousands	in %	in thousands	in %	dwellings	dwellings	in %
Augsburg	295	10	153	15	162	12	13,800	3.9	6.4
Berlin	3.597	9	1.960	13	2.019	8	146,100	4.6	9.9
Bremen	575	6	289	7	300	5	18,300	2.8	10.6
Cologne	1.017	1	541	12	567	5	31,700	2.3	9.1
Darmstadt	162	13	82	16	85	14	8,000	5.3	6.3
Dresden	558	9	300	10	320	9	25,900	5.7	6.7
Düsseldorf	611	4	335	10	350	5	23,100	3.6	8.1
Essen	571	1	299	7	316	2	10,800	1.7	11
Frankfurt	743	11	387	19	403	10	43,900	5.2	6.6
Hamburg	1.809	6	955	12	985	9	89,800	4.7	8.2
Hannover	513	1	285	9	302	4	14,150	4.0	8.1*
Karlsruhe	305	6	155	11	161	6	8,200	1.7	5.1
Leipzig	599	19	332	21	355	8	21,300	4.2	7.7
Mainz	220	10	116	14	121	10	10,800	4.2	5.7
Mannheim	314	8	162	12	173	7	10,000	4.2	7.7
Munich	1.479	10	790	14	824	9	82,800	5.4	5.1
Münster	304	5	160	15	166	7	18,200	5.8	5.2
Nuremberg	523	7	272	8	284	7	19,000	3.4	6.9
Stuttgart	610	4	301	11	314	4	19,100	2.4	6.4

Source: Destatis/Census, bulwiengesa, Agentur für Arbeit

\*) region Hannover



## MARKET DEVELOPMENT MULTI-FAMILY HOUSING

	Average rent (Census)	Vacancy rate	First use rent				Rent for re-letting			Rental yield*	
	2022 in EUR per sqm	2022 in %	2013 to 2023 in %	2023 yoy in %	2024e yoy in %	2025e yoy in %	2013 to 2023 in %	2023 yoy in %	2024e yoy in %	2025e yoy in %	2023 in %
Augsburg	8.48	0.4	65	5	5	5	60	3	5	5	4.2
Berlin	7.50	0.3	76	10	5	5	61	9	6	5	3.8
Bremen	7.67	1.7	35	2	5	5	42	3	5	5	5.3
Cologne	9.39	0.9	37	5	6	5	50	6	5	5	4.4
Darmstadt	9.56	0.3	50	6	5	5	32	6	5	5	4.8
Dresden	6.92	1.3	40	2	5	5	26	2	5	5	5.0
Düsseldorf	9.24	1.2	25	7	5	5	36	5	6	5	4.2
Essen	6.72	2.8	49	9	5	5	43	6	5	5	5.9
Frankfurt	10.58	0.2	39	2	5	5	38	3	5	5	3.9
Hamburg	9.16	0.4	28	4	5	5	39	7	4	5	3.9
Hannover	7.61	1.5	32	4	5	4	39	6	5	5	4.8
Karlsruhe	8.46	0.7	47	5	5	5	46	3	5	5	4.8
Leipzig	6.44	1.6	59	7	5	5	60	10	5	5	4.3
Mainz	9.73	0.6	53	4	5	5	43	4	5	5	4.8
Mannheim	8.39	1.1	62	2	5	5	53	5	5	5	5.3
Munich	12.89	0.1	57	4	5	5	56	5	4	4	3.4
Münster	8.71	0.2	51	6	5	5	45	5	5	5	4.3
Nuremberg	8.21	0.8	54	6	5	5	41	4	5	5	4.3
Stuttgart	10.39	0.5	59	1	5	5	58	1	5	4	4.1
Regional property centres	-	-	47.7	4.9	4.8	4.8	43.3	4.9	5.0	4.8	4.8
Top locations	-	-	52.2	6.3	5.3	4.9	50.8	6.1	4.8	4.7	3.9

Source: Destatis/Census, CBRE/IZ Research, bulwiengesa, DZ BANK

\*) reciprocal of the multi-family multiplier

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