

# Gross Domestic Product in the 4th quarter of 2022. Preliminary estimate

**28.02.2023**

**102.0**

GDP growth rate in the 4th quarter of 2022

**Seasonally unadjusted gross domestic product (GDP) in the 4th quarter of 2022 was higher by 2.0% year-on-year comparison against the increase of 8.5% in the corresponding quarter of 2021 (constant average prices of the previous year).**

In the 4th quarter of 2022 seasonally adjusted GDP (constant prices, reference year 2015) was lower by 2.4% than in the previous quarter and 0.4% higher than in the 4th quarter of the previous year.

Seasonally unadjusted GDP (constant average prices of the previous year) was higher by 2.0% than in the corresponding quarter of the previous year.

**Table 1. Seasonally adjusted GDP; constant prices, reference year 2015**

Specification	2020				2021				2022			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	previous quarter = 100											
GDP growth rate of 14 February 2023	100.7	90.8	106.8	100.1	102.6	102.2	102.1	101.6	104.3	97.7	101.0	97.6
GDP growth rate of 28 February 2023	100.7	90.8	106.8	100.1	102.6	102.2	102.1	101.6	104.3	97.7	101.0	97.6
Differences	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	corresponding quarter of previous year = 100											
GDP growth rate of 14 February 2023	103.1	92.7	98.3	97.8	99.5	112.0	107.1	108.7	110.5	105.6	104.5	100.3
GDP growth rate of 28 February 2023	103.1	92.7	98.3	97.8	99.5	112.0	107.1	108.7	110.5	105.6	104.5	100.4
Differences	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	+0.1

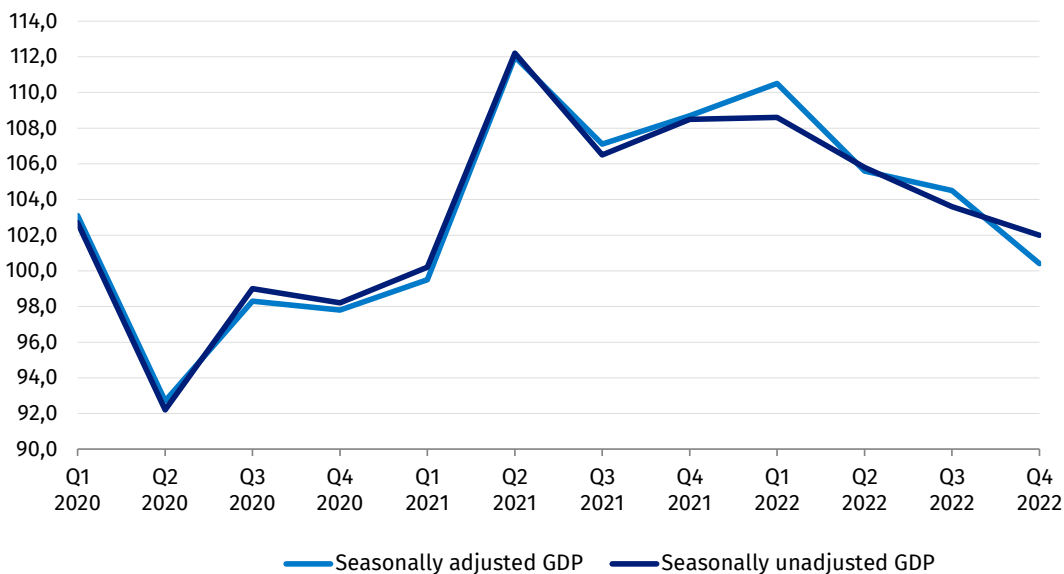
**Table 2. Seasonally unadjusted GDP; constant average prices of the previous year**

Specification	2020				2021				2022			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	corresponding quarter of previous year = 100											
GDP growth rate of 14 February 2023	102.7	92.2	99.0	98.2	100.2	112.2	106.5	108.5	108.6	105.8	103.6	102.0
GDP growth rate of 28 February 2023	102.7	92.2	99.0	98.2	100.2	112.2	106.5	108.5	108.6	105.8	103.6	102.0
Differences	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

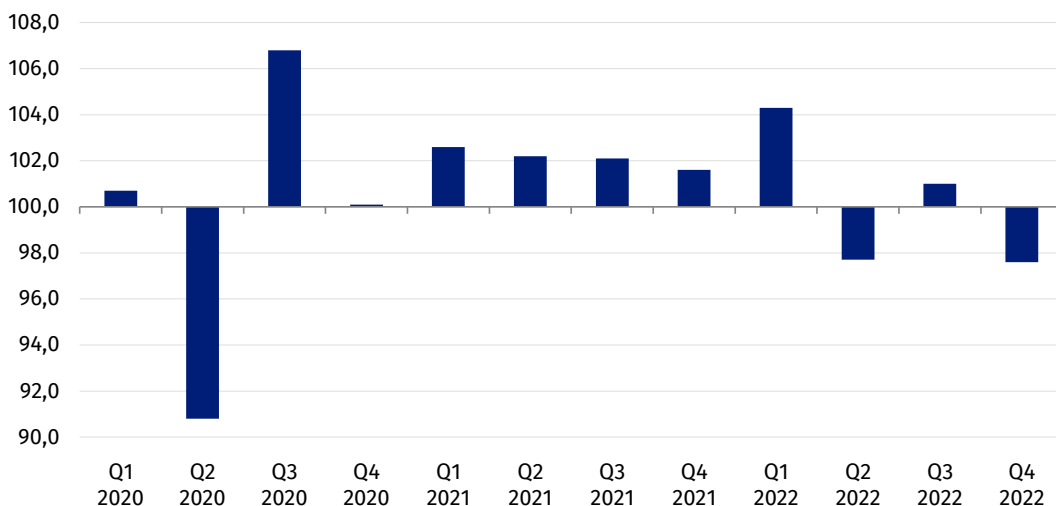
In the 4th quarter of 2022 there was the increase of GDP which amounted to 2.0% year-on-year comparison. This was caused by the improvement of growth rate of domestic uses which was up by 1.1% than a year earlier (in the 3rd quarter of 2022 the increase in domestic uses of 3.1% was recorded). It resulted mainly from the increase in gross capital formation of 8.0% (against the increase of 11.4% in the 3rd quarter of 2022) and the decrease in final consumption expenditure of 1.5% (against the increase of 0.7% in the 3rd quarter of 2022). Consumption expenditure in the households sector was lower by 1.5% (against the increase of 0.9% in the 3rd quarter of 2022). Gross fixed capital formation went up by 4.9% (against the increase of 2.0% in the 3rd quarter of 2022).

As a result, the positive contribution of domestic uses to economic growth was +1.1 percentage points (in the 3rd quarter of 2022 the positive influence of domestic uses of +3.0 percentage points was recorded). It came from the negative influence of final consumption expenditure and the positive influence of gross capital formation. The impact of final consumption expenditure was -1.0 percentage points (against +0.5 percentage points in the 3rd quarter of 2022), of which the impact of consumption expenditure in the households sector was -0.7 percentage points and the impact of public consumption expenditure was -0.3 percentage points (+0.5 percentage points and 0.0 percentage points in the 3rd quarter of 2022 respectively). The impact of gross fixed capital formation amounted to +1.0 percentage points (against +0.3 percentage points in the 3rd quarter of 2022). The contribution of changes in inventories amounted to +1.1 percentage points (against +2.2 percentage points in the 3rd quarter of 2022). As a consequence, the impact of gross capital formation on GDP growth amounted to +2.1 percentage points (against +2.5 percentage points in the 3rd quarter of 2022). In the 4th quarter of 2022 the positive impact of the net exports to the economic growth was noted which amounted to +0.9 percentage points (against +0.6 percentage points in the 3rd quarter of 2022).

**Chart 1. Gross domestic product volume growth rate  
(the corresponding quarter of the previous year = 100)**



**Chart 2. Gross domestic product volume growth rate, seasonally adjusted data  
(the previous quarter = 100)**



**Seasonally adjusted GDP (previous quarter = 100, constant prices with reference year 2015)**

In the 4th quarter of 2022 compared to the previous quarter seasonally adjusted GDP was 2.4% lower.

Gross value added in national economy in the 4th quarter of 2022 decreased by 2.4%, of which:

- in industry by 0.4%,
- in construction by 0.7%,

- in trade and repair by 5.4%,
- in transportation and storage by 2.3%,
- in public administration and defense, compulsory social security, education, human health and social work activities altogether by 0.1%.

Gross value added in financial and insurance increased by 1.6%.

Domestic uses in the 4th quarter of 2022 decreased by 2.3%.

In the 4th quarter of 2022 total consumption expenditure decreased by 3.1%, in which consumption expenditure in the households sector went down by 2.5% and public consumption expenditure by 0.1%.

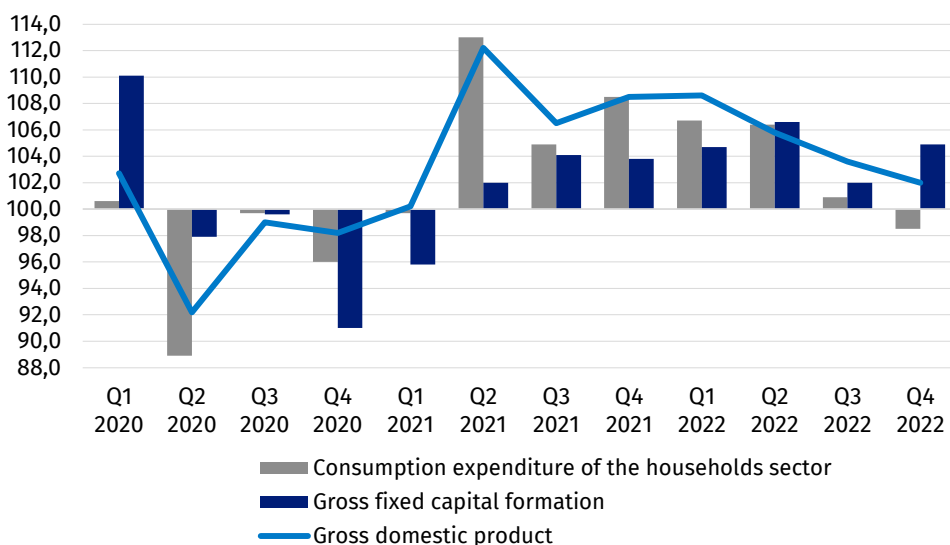
Gross capital formation in the 4th quarter of 2022 was lower by 1.3%, of which gross fixed capital formation increased by 1.3%.

In the attached tables 1 and 2 the real growth rates are presented in constant prices of 2015 with previous quarter=100 and corresponding quarter of the previous year=100 for GDP time series and its selected components, seasonally unadjusted, seasonally adjusted and trend.

### Seasonally unadjusted GDP (constant average prices of the previous year)

According to the preliminary estimate GDP in the 4th quarter of 2022 was 2.0% higher than in the corresponding quarter of the previous year.

**Chart 3. GDP volume growth rate (the corresponding quarter of the previous year = 100)**



Gross value added in national economy in the 4th quarter of 2022 was 2.4% higher than in the corresponding quarter of 2021, of which:

- in industry by 3.5%,
- in construction by 0.8%,
- in transportation and storage by 2.9%,
- in financial and insurance activities by 11.2%,
- in public administration and defense, compulsory social security, education, human health and social work activities altogether by 2.2%.

Gross value added in trade and repair was lower by 2.5% than in the corresponding quarter of 2021.

Domestic uses in the 4th quarter of 2022 were 1.1% higher than in the corresponding quarter of the previous year.

Final consumption expenditure in the 4th quarter of 2022 compared with the same quarter of the previous year was 1.5% lower, of which consumption expenditure in the households sector decreased by 1.5% and public consumption expenditure decreased by 1.6%.

Gross capital formation in the 4th quarter of 2022 was higher by 8.0% compared to the corresponding quarter of 2021, of which gross fixed capital formation went up by 4.9%. Investment ratio (relation of gross fixed capital formation to gross domestic product at current prices) amounted to 21.7% against 21.8% in the previous year.

Detailed data for GDP time series and its components at current prices as well as volume growth rates (corresponding quarter of the previous year = 100, constant average prices of the previous year) is presented in tables 3 and 4. Table 5 includes information on contribution to GDP volume growth rate.

Seasonal adjustment procedure can cause revisions to historical GDP growth rates and GDP components when later quarterly observations become available or the past unadjusted data are revised.

In the case of quoting data from the Statistics Poland, please provide information: "Source of Statistics Poland data", and in the case of publishing calculations made using data published by the Statistics Poland, please provide information: "Own study based on Statistics Poland data".


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**Related information**

[Flash estimate of Gross Domestic Product in the fourth quarter of 2022](#)

**Data available in databases**

[Knowledge database-National Accounts](#)

**Terms used in official statistics**

[Gross domestic product](#)

[Gross value added](#)

[Gross capital formation](#)