

Special Data Dissemination Standard Plus (project)



Ukraine

Financial soundness indicators

Tier 1 capital to risk-weighted assets
Tier 1 capital to assets
Nonperforming loans net of provisions to capital
Nonperforming loans to total gross loans
Return on assets
Liquid assets to short-term liabilities
Net open position in foreign exchange to capital
Residential real estate prices

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0 – 1. Information related to the National Bank of Ukraine as a whole

2. Methodology	
<u>2.1. Concepts and definitions</u>	<u>2.1.1. Concepts and definitions</u>
	<p>In accordance with the <i>The Special Data Dissemination Standard Plus, guide for adherents and users (IMF, 2015)</i> dissemination financial soundness indicators:</p> <ul style="list-style-type: none">– Tier 1 capital to risk-weighted assets;– Tier 1 capital to assets;– Nonperforming loans net of provisions to capital;– Nonperforming loans to total gross loans;– Return on assets;– Liquid assets to short-term liabilities (the calculation of the indicator was stopped starting from 1 December 2022);– Net open position in foreign exchange to capital;– Residential real estate prices (Housing Price Index (HPI)).

	<p>The concept and definitions of data falling under financial soundness indicators category comply with international standards and recommendations set forth in the <i>Financial Soundness Indicators: Compilation Guide (IMF)</i>.</p> <p>Financial soundness indicators, except for the HPI, are compiled by the National Bank of Ukraine based on banking supervision, as well as monetary and financial statistics.</p> <p>The definitions of indicators based on banking supervision correspond to the definitions of the Basel Committee on Banking Supervision (BCBS).</p> <p>The HPI is produced by the State Statistics Service of Ukraine (SSSU) according to the <i>Methodological provisions on the state statistical observation “Changes in prices on the housing market”</i> approved by SSSU order No 156 of April 21, 2023 (https://stat.gov.ua/ by Ukrainian).</p> <p>The definitions of housing price index (HPI) are based on the general principles to the <i>Manual on price indices for residential estate (Eurostat, ILO, IMF, OECD, UNECE, the World Bank, 2013), the requirement of (EU) Regulation 2016/792 of May 11, 2016 and (EU) Commission Implementing Regulation 2023/1470 of July 17, 2023.</i></p>
<p><u>2.2. Scope</u></p>	<p>2.2.1 Scope</p> <p><i>Scope of the data</i></p> <p>Deposit-taking corporations covers 100 percent of banks with separate subdivisions on the territory of Ukraine and abroad (except banks under liquidation or in receivership).</p> <p>HPI is compiled by the country as a whole and also separately for new housing (the primary market) and previously owned housing (the secondary market) which is the object of purchase/sale while making transactions with housing sale. Includes apartments with different number of rooms (one –room, two-room, three-room).</p> <p>The geographical scale of survey covers all Ukraine’s regions excluding the territories temporarily occupied by the Russian Federation and part of territories where combat actions are/were carried out.</p> <p><i>Exceptions to coverage</i></p> <p>Deposit-taking corporations (banks) in distress or in receivership are not included.</p> <p>One-room houses, dormitories, and housing built by family members or with the use of other types of unpaid labor are excluded from the HPI. Housing prices observations are not conducted in rural areas.</p>
<p><u>2.3. Classification/sectorization</u></p>	<p>2.3.1. Classification/sectorization</p>

	<p>Full intragroup adjustments are made for deposit-taking corporations (banks).</p> <p>The unit of observation for changes HPI is a residential estate that can be purchased by household for the proposed price.</p>
<p><u>2.4. Basis for recording</u></p>	<p>2.4.1. Valuation</p> <p>Data of the financial soundness indicators are in percentage, components of the financial soundness indicators are in millions of national currency – hryvnia (UAH).</p> <p>Principle of ownership is used.</p> <p>Stocks denominated in foreign currency are converted into national currency amounts, using the official exchange rate of hryvnia against foreign currencies, determined by the National Bank of Ukraine.</p> <p>When calculating the HPI transactions are valued to prices of propositions for purchasing/ sale of residential estate in the national currency (hryvnia).</p> <p>2.4.2. Basis for recording</p> <p>Data on stocks of assets and liabilities are compiled using accrual basis accounting, where revenues and expenses are recorded in the period when they occur.</p> <p>The HPI calculation is carried out in accordance with the <u>Methodological provisions on the state statistical observation “Changes in prices on the housing market”</u> approved by SSSU order No 156 of April 21, 2023 (in Ukrainian).</p> <p>2.4.3. Grossing/netting procedures</p> <p>Data of the deposit-taking corporations (banks) indicators are compiled in accordance with International Financial Reporting Standards (IFRS) as well as the methodology of compiling indicators of banking supervision and monetary and financial statistics.</p> <p>HPI construction consists of the following steps, as a selection of cities, selection of representative goods, weight structure formation, price calculations, calculation of individual and general prices indices. The selection of cities is made once every five years taking into account the population numbers in cities and the proposition on purchase/sale of housing.</p> <p>The basis of information base to produce weight structure (weight coefficients) there are:</p> <p>on primary market is the data from the state statistical observation “Indicators of construction start and completion” which relate to the total area of apartments put into service for the previous year;</p> <p>on the secondary market is data on the total area of propositions on purchase/ sale of apartments for the previous</p>

year obtained under the agreement on information exchange between the State Statistics Service and the limited liability company “EMARKET UKRAINА”.

The weight coefficients to produce housing price indices by region and Ukraine as a whole are calculated using administrative data from the Ministry of Justice on the number of agreements made for purchase-and-sale apartments for the previous year and from the State Register of real rights to real estate regarding the numbers of real estate objects with the “apartment” type and their total area where the state registration of ownership rights was made in the previous year.

3. Accuracy and reliability

3.1. Source data

3.1.1. Source data collection programs

Data for calculate deposit-taking corporations (banks) indicators are compiled through the automated data collection and processing system in accordance with the *Rules of Organizing the Statistical Reporting to be Submitted to the National Bank of Ukraine approved by Resolution of the Board of the National Bank of Ukraine No.120 of November 13, 2018 (amended)*.

For the calculation of HPI, data on proposition prices which a potential purchaser is ready to pay for real estate object are collected according to the list of representative goods on the primary and secondary housing markets four times per year during the middle month of the reference quarter (Feb., May, Aug., Nov.) by the list of the identified cities.

3.1.2. Source data definitions, scope, classifications, valuation, and time of recording

Source data are in full conformity with source data definitions, scope, classifications, valuation and time of recording (iss. 2.1.1 – 2.4.3.).

3.1.3. Source data timeliness

Statistical reports are submitted by banks on time. If necessary, the deadline of submission of statistical reports to the National Bank of Ukraine can be extended for 2 - 3 hours by special permission of the National Bank of Ukraine.

For the calculation of HPI, the provision of input data is timely for their compilation and dissemination, apart from cases connected with martial law.

3.2. Assessment of source data

3.2.1. Assessment of source data

The system of statistical data collection and assessment, which are received from banks, is fully automated and provides for data monitoring at each stage of processing. At

this, non-submission of data and delays are virtually impossible.

In case, some significant mistakes are found, amendments shall be made to report forms and files on the basis of the relevant permission of the National Bank of Ukraine. Simultaneously, the required assistance is rendered as regards some urgent data revisions and their recurrent release.

The quality of compilation, processing and revision of source data is cross-checked, all discrepancies are analyzed.

For the calculation of HPI source statistic data from all sources of information are analyzed as for their compliance with the compilation methodology.

Information obtained from the generally available sources in particular the Internet-resources and information resource Olx.ua, through the other observations results and aggregated data obtained from administrative sources are verified as to their correctness and whether they were filled in in a precise way. There are control over information completeness, arithmetical control and control over availability of extreme values and bursts of values in the observations indicators. If there are unfounded cases regarding prices for representative goods, information about prices is not taken into account while producing the housing price indices. If necessary, data are finalized and corrected.

3.2.2. Other statistical procedures

The data from alternative sources of information are compared with each other in parts in which they are comparable.

3.3. Statistical techniques

3.3.1. Source data statistical techniques

Data are submitted in electronic files and are processed automatically by means of software complex which can validate the source data by means of predetermined codes of analytical records and their combinations.

For the calculation of HPI if information about proposition prices by certain representative good is temporarily unavailable, the estimated price is used which is defined by applying the method of hedonic imputation for the line functional form using the characteristics of representative goods.

In order to undertake the statistical observation, a combination of statistical methods is employed, namely: survey by using the method for incomplete exploration unit population, usage of other results, administrative data and data obtained from the generally available sources.

Seasonal adjustment is not made.

3.3.2. Other statistical procedures

	<p>No other statistical procedures are applied when compiling financial soundness indicators based on the reporting data of banks.</p> <p>For the calculation of HPI the calculations of prices for 1 sq.m for each representative good on the primary and secondary housing markets within the region are made through the method of hedonic regression, by Ukraine by using the formula of average geometrical simple. Prices for 1 sq.m of the total apartment area on the primary and secondary housing markets, by region and Ukraine as a whole are produced using the formula of average arithmetical weighted.</p> <p>Individual price indices on the housing market are compiled on the basis of prices for representative goods.</p> <p>General price indices in the primary and secondary housing markets within regions and within Ukraine overall are calculated using the Laspeyres formula.</p>
<p><u>3.4. Data validation</u></p>	<p>3.4.1. Validation of intermediate results</p> <p>The financial soundness indicators based on the reporting data of banks are final. Intermediate statistical data are not compiled.</p> <p>Intermediate data are assessed and validated by HPI.</p> <p>3.4.2. Assessment of intermediate data</p> <p>The financial soundness indicators based on the reporting data of banks are final.</p> <p>While producing the HPI, the control over the correctness of the observation undertaken is made by regularly verifying the completeness of information to be filled in, unusual or significant change in prices..</p> <p>3.4.3. Assessment of discrepancies and other problems in statistical outputs</p> <p>Data are regularly monitored and analyzed.</p>
<p><u>3.5. Revision studies</u></p>	<p>3.5.1. Revision studies and analyses</p> <p>Reported data are final and not subject to revisions.</p>
	<p>4. Serviceability</p> <p>4.1. Periodicity and timeliness</p> <p>4.1.1. Periodicity</p> <p>Data are compiled and disseminated quarterly according to the SDDS Plus requirements to the data periodicity.</p> <p>4.1.2. Timeliness</p> <p>Financial soundness indicators for I, II, III quarterles is made no later than 45 calendar day after following the reporting quarter. Dissemination of data for IV quarterle is made no later than 55th calendar day after following the reporting quarter.</p>

	<p>HPI are distributed on the website of the State Statistics Service of Ukraine for the 51 day of the month following the reporting quarter.</p>
<p><u>4.2. Consistency</u></p>	<p>4.2.1. Internal consistency</p> <p>Indicators of banks' reporting are consistent with data on the balances and statistical reporting of banks by the end of the reporting period.</p> <p>Statistics comparability is ensured by the methodological unity of forming, obtaining, and cross monitoring indicators.</p> <p>4.2.2. Temporal consistency</p> <p>Financial soundness indicators for previous reporting periods are calculated in accordance with the methodology of banking supervision and monetary and financial statistics, taking into account accounting standards and statistical reporting of banks are distributed, starting with data from the IV quarter of 2005.</p> <p>HPI have been disseminated since Q1 2016 (the reference year of 2016 = 100). The HPI data by Ukraine as a whole are disseminated since Q1 of 2019. Index base period is 2019=100.</p> <p>4.2.3. Intersectoral and cross-domain consistency</p> <p>Secondary data sources are not used for verification of data.</p>
<p><u>4.3. Revision</u></p>	<p>4.3.1. Revision schedule</p> <p>Data revision schedule is not applicable.</p> <p>4.3.2. Identification of preliminary and/or revised data</p> <p>Preliminary data are not used. Data are final when first released.</p> <p>4.3.3. Dissemination of revision studies and analyses</p> <p>In case of changes in the methodology of calculating indicators or adjustments as to data dissemination etc., the National Bank of Ukraine shall inform State Statistics Service of Ukraine on those changes and publish them on the official website of the National Bank of Ukraine in the “Financial Soundness Indicators” section by link and the “Supervisory Data” section by link.</p> <p>In case of changing the methodology of HPI calculations or date of outputs dissemination the relevant information shall be placed on the webportal of the State Statistics Service of Ukraine (https://stat.gov.ua/).</p>
	<p>5. Accessibility</p>
<p><u>5.1. Data</u></p>	<p>5.1.1. Statistical presentation</p>

	<p>Data is distributed electronically.</p> <p>5.1.2. Dissemination media and format</p> <p><i>On paper – Express issues</i></p> <p>–</p> <p><i>On paper – weekly newsletter</i></p> <p>–</p> <p><i>On paper – monthly bulletin</i></p> <p>–</p> <p><i>On paper – quarterly bulletin</i></p> <p>–</p> <p><i>On paper – other</i></p> <p>–</p> <p><i>Electronic form – a newsletter or on-line data</i></p> <p>–</p> <p><i>Electronic – Other</i></p> <p><i>Banking supervisory indicators:</i></p> <p>The <i>Financial soundness indicators</i> is published quarterly on the official website of the National Bank of Ukraine:</p> <p>in SDMX and Excel formats in “Special Data Dissemination Standard” section by link;</p> <p>in PDF format in the publication <i>Monetary and Financial Statistics</i> on “Publications” section by link;</p> <p>in “Financial Soundness Indicators” in “Financial Sector Statistics” section by link.</p> <p>Data on HPIs are published in “Special IMF Data Dissemination Standard” section on the webportal of the State Statistics Service of Ukraine (https://stat.gov.ua/).</p> <p>5.1.3. Advance release calendar</p> <p>An Advance Release Calendar is available on the section “Advance release calendar according to SDDS, SDDS Plus (project)” on the page “Statistics Release Calendars” on the official website of the National Bank of Ukraine by link and on the webportal of the State Statistics Service of Ukraine in “Special IMF Data Dissemination Standard” section (https://stat.gov.ua/).</p> <p>5.1.4. Simultaneous release</p> <p>Data are available to all users and are released according to the release calendar on “Special Data Dissemination Standard” section on the official website of the National Bank of Ukraine by link, and in “Special IMF Data Dissemination Standard” section on the webportal of the State Statistics Service of Ukraine (https://stat.gov.ua/).</p> <p>5.1.5. Dissemination on request</p> <p>Data are provided upon request by a contact person.</p>
<p><u>5.2. Metadata accessibility</u></p>	<p>5.2.1. Dissemination of documentation on concepts, scope, classifications, basis of recording, data</p>

	<p>sources, and statistical techniques</p> <p>Methodological materials are available on the official website of the National Bank of Ukraine in the “Financial Soundness Indicators” section by link and the “Supervisory Data” section by link.</p> <p>The methodology on HPIs calculation is provided in the <i>Methodological provisions on the state statistical observations “Changes in prices on the housing market”</i>, which are placed on the webportal of the State Statistics Service of Ukraine in “Data” / “Indicators descriptions” / “Macroeconomics” / “Prices” section at https://stat.gov.ua/ (in Ukrainian).</p> <p>5.2.2. Disseminated level of detail</p> <p>Only consolidated statistical information is subject to dissemination.</p> <p>Data on HPIs for Ukraine are available.</p>
<p><u>5.3. Assistance to users</u></p>	<p>5.3.1. Publicizing contact points</p> <p>Contact person information.</p> <p>Information about other contacts National Bank of Ukraine released on the official website of the National Bank of Ukraine (http://bank.gov.ua/).</p> <p>5.3.2. Availability of documents and services catalogs</p> <p>Information on dissemination of documents, publications, and other services is available to all users on the official website of the National Bank of Ukraine (http://bank.gov.ua/).</p>