

# Special Data Dissemination Standard Plus (project)



Ukraine

## Financial soundness indicators

Regulatory Tier 1 capital to risk-weighted assets

Regulatory 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

Residential real estate prices

*Contact person:*

Ms. Anna Teteruk  
Statistics and Reporting Department  
National Bank of Ukraine  
9, Instytutska St.  
Kyiv, Ukraine 01601  
Phone: (380) 44-527-37-25

Email: [Anna.Teteruk@bank.gov.ua](mailto:Anna.Teteruk@bank.gov.ua)

Ms. Maya Smyshlyaeva  
Statistics and Reporting Department  
National Bank of Ukraine  
9, Instytutska St.  
Kyiv, Ukraine 01601  
Phone: (380) 44-527-32-05

Email: [Maiia.Smyshliaieva@bank.gov.ua](mailto:Maiia.Smyshliaieva@bank.gov.ua)

[0 – 1. National Bank of Ukraine](#)

<b>2. Methodology</b>	
<u>2.1. Concepts and definitions</u>	<p>2.1.1. Concepts and definitions</p> <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"><li>– Regulatory Tier 1 capital to risk-weighted assets;</li><li>– Regulatory Tier 1 capital to assets;</li><li>– Nonperforming loans net of provisions to capital;</li><li>– Nonperforming loans to total gross loans;</li><li>– Return on assets;</li><li>– Liquid assets to short-term liabilities;</li><li>– Residential real estate prices (Housing Price Index (HPI)).</li></ul> <p>The concept and definitions of data falling under financial soundness indicators category comply with international standards and recommendations set forth in the <a href="#">Financial Soundness Indicators: Compilation Guide (IMF)</a>.</p>

	<p>Indicators are 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 definitions of housing price index (HPI) conform to the definitions of the <i>Handbook on Residential Property Prices Indices (Eurostat, ILO, IMF, OECD, UNECE, the World Bank, 2013)</i>.</p>
<p><u>2.2. Scope</u></p>	<p>2.1.2. 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). Consolidation Basis: CBDI (cross-border consolidation basis).</p> <p>HPI are calculated separately for new housing (the primary market) and previously owned housing (the secondary market) when housing is a trade object.</p> <p>Observations over prices in primary and secondary housing markets are conducted quarterly on a sample basis by the list of units (organizations) that provide trading services in housing.</p> <p>Calculation of average housing prices and their indices is performed at the state level with the breakdown by Ukrainian regions and for the country as the whole.</p> <p><i>Exceptions to coverage</i></p> <p>Deposit takers 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.</p> <p>Respondents are selected by types of economic activity 41.10 “Construction management”, 41.20 “Construction of residential and non-residential buildings”, 68.31 “Real estate agencies” in accordance with types of economic activity classification (DK 009:2010) for calculating the housing price index.</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</p>

are in millions of national currency - hryvnia.

Principle of ownership is used.

Stocks denominated in foreign currency are converted into national currency amounts, using the official exchange rate of hryvnia versus foreign currencies, determined by the National Bank of Ukraine.

When calculating the HPI transactions are valued at the actual sale prices of the residential property.

#### 2.4.2. Basis for recording

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.

For the calculation of price indices in primary and secondary markets, the base period is 2016 (=100).

#### 2.4.3. Grossing/netting procedures

Data 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.

HPI construction consists of the following steps:

- selection of urban settlements;
- selection of representative goods;
- selection of units (organizations);
- set-up of weight structure;
- calculation of average prices;
- calculation of solo and general prices indices.

Data from the state statistical observations “Key indicators for implementation of construction permits” on the total area of housing that was put into operation in the previous year as well as data from the state statistical observations over price changes in primary and secondary housing markets concerning the value of apartments sold during the previous year serve as foundation of the information base for establishing a weight structure (weight ratios). Review of the weight structure and transition to new weight ratios are performed annually. This enables calculation of housing price indices for different periods with different reference years.

### 3. Accuracy and reliability

#### 3.1. Source data

##### 3.1.1. Source data collection programs

Data 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, information on prices in primary and secondary housing markets is obtained in city-centers of oblasts, Kyiv, and other urban settlements.

The toolkit for statistical observations is Form No.1 Prices (housing) (quarterly) “Report on housing market prices” approved by Order No. 207 dated 4 July 2014 of the State Statistics Service of Ukraine (as amended).

#### 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.).

Source data for financial soundness indicators are banking supervision data as well as the monetary and financial statistics data.

Source data for HPI conform to the definitions, scope, classifications, valuation, and time of recording required as set forth in paragraphs 9.3, 9.8, 9.12, 9.34, 9.38 of the *Handbook on Residential Property Prices Indices (Eurostat, ILO, IMF, OECD, UNECE, the World Bank, 2013)*.

#### 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.

### 3.2. Assessment of source data

#### 3.2.1. Assessment of source data

The system of statistical data collection and assessment 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.

	<p>For the calculation of HPI source statistic data from all sources of information are analyzed as for their compliance with the compilation methodology and the Classifier of Administrative and Territorial Units of Ukraine (the Classifier).</p> <p>The initial information obtained from respondents is verified for correctness and accuracy of submission. Arithmetical and logical control as well as completeness of information submitted by respondents is automatically monitored by means of electronic information processing. Detected errors are analyzed and corrected during further data processing.</p> <p>3.2.2. Other statistical procedures</p> <p>The data from alternative sources of information are compared with each other in parts in which they are comparable.</p>
<p><u>3.3. Statistical techniques</u></p>	<p>3.3.1. Source data statistical techniques</p> <p>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.</p> <p>For the calculation of HPI in the event of temporary lack of sales of apartments of a certain type, procedures for data imputation using methods of imputation of the overall average over region is applied.</p> <p>No adjustment of time series with a seasonal factor is applied.</p> <p>3.3.2. Other statistical procedures</p> <p>No other statistical procedures are applied.</p> <p>For the calculation of HPI average prices for one sq. m of a total living area for every representative goods within a region and within Ukraine in the primary and secondary housing markets are calculated using a formula of the average compound unweighted. Average prices for one sq. m of a total living area within regions and within Ukraine overall, based on the number of rooms, in the primary and secondary housing markets are calculated based on average prices using a formula of the average weighted. Individual price indices in the primary and secondary housing markets are calculated based on average 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>When compiling HPI, control of the accuracy of carrying out observations via routine checks of filling the form and of the adequacy of explanations as regards an unusual or sizable change in prices is exercised.</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><b>4. Serviceability</b></p>	
<p><u>4.1. Periodicity and timeliness</u></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 45th 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 20th 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,</p>

	<p>taking into account accounting standards and statistical reporting of banks.</p> <p>HPI have been disseminated since Q1 2016 (the reference year of 2016 = 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 <a href="#">by link</a> and the “Supervisory Data” section <a href="#">by link</a>.</p> <p>In case of changing the methodology of HPI calculations or date of outputs dissemination the relevant information shall be placed on the official web-site of the State Statistics Service of Ukraine (<a href="http://www.ukrstat.gov.ua/">http://www.ukrstat.gov.ua/</a>).</p>
<p><b>5. Доступність</b></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>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 in Excel format in “Financial Sector Statistics” on “Special Data Dissemination Standard” section <a href="#">by link</a> (in Ukrainian), in “Financial Soundness Indicators” section <a href="#">by link</a>, and in PDF format is available in the publication Monetary and Financial Statistics in “Publications” section on the official website of the National Bank of Ukraine <a href="#">by link</a>.</p> <p>Data on HPIs are published in Word and PDF format in the “Report on social and economic situation in Ukraine” on the official web-site of the State Statistics Service of Ukraine</p>

	<p>at <a href="http://www.ukrstat.gov.ua/">http://www.ukrstat.gov.ua/</a> in “Statistical information” / “Economic statistics” / “Prices” / “Housing price indices” section.</p> <p>5.1.3. Advance release calendar</p> <p>An Advance Release Calendar is available in “Special Data Dissemination Standard” section on the official website of the National Bank of Ukraine <a href="#">by link</a> and on the official website of the State Statistics Service of Ukraine in “IMF Special Data Dissemination Standard” section (<a href="http://www.ukrstat.gov.ua/">http://www.ukrstat.gov.ua/</a>).</p> <p>5.1.4. Simultaneous release</p> <p>Data are available to all users and are released according to the release calendar in “Financial Soundness Indicators” on “Special Data Dissemination Standard” section on the official website of the National Bank of Ukraine <a href="#">by link</a> (in Ukrainian), and in “IMF Special Data Dissemination Standard” section on the official website of the State Statistics Service of Ukraine (<a href="http://www.ukrstat.gov.ua/">http://www.ukrstat.gov.ua/</a>).</p> <p>5.1.5. Dissemination on request</p> <p>Data are provided upon request by a contact person.</p> <p>HPI for Ukraine are provided upon users' requests with specifying the number of rooms. Classified information that is used for further calculations of aggregate data is not subject to be provided upon requests.</p>
<p><u>5.2. Metadata accessibility</u></p>	<p>5.2.1. Dissemination of documentation on concepts, scope, classifications, basis of recording, data sources, and statistical techniques</p> <p>Methodological materials are available in “Statistics” section on the official website of the National Bank of Ukraine <a href="#">by link</a> and <a href="#">by link</a>.</p> <p>The methodology on HPIs calculation is provided in the Methodological provisions on organization of statistical observations of price developments in the primary and secondary housing markets and on price indices calculation, which are placed on the official web-site of the State Statistics Service of Ukraine in “Methodology and classifiers” / “Statistical methodology” / “Economic statistics” / “Prices” section at <a href="http://www.ukrstat.gov.ua/metod_polog/menu/menu /2_cin.htm">http://www.ukrstat.gov.ua/metod_polog/menu/menu /2_cin.htm</a>.</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 broken down by the number of rooms in an apartment are available.</p>



5.3. Assistance to users

## 5.3.1. Publicizing contact points

Contact person information.

Information about other contacts is for financial soundness indicators released on the official website of the National Bank of Ukraine (<http://bank.gov.ua/>).

Information on contact persons on HPI is provided in statistical publications, the catalog of which is posted on the official website of the State Statistics Committee of Ukraine (<http://www.ukrstat.gov.ua/>) in the section “Publications”.

## 5.3.2. Availability of documents and services catalogs

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/>).

The catalog of official statistical publications of the State Statistics Service of Ukraine is posted on its official web-site (<http://www.ukrstat.gov.ua/>) in “Publications” section and is available for all users.