

# SOURCES AND METHOD

## STATISTICS BASED ON DAILY PAYMENT CARD TRANSACTIONS

Financial Statistics  
Money, Banking and National Accounts Statistics

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### **PAYMENTS, DAILY STATISTICS**

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#### **0 Administrative information about the statistical product**

##### **0.1 Name**

Currently, the publication of statistics based on daily payment card transactions includes the table DNBSK1 in the StatBank. This table displays payment card transactions in Denmark categorized by transaction type, card issuing country, and data type.

##### **0.2 Subject area**

Payments (Danmarks Nationalbank's StatBank).  
Economy → Digital payments → Payment cards (Statistics Denmark's StatBank).

##### **0.3 Responsible authority, office, person etc.**

Danmarks Nationalbank, Financial Statistics:

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#### 0.4 Purpose and history

The primary purpose of the statistics is to shed light on the Danish payment market and to measure the economic activity in Denmark. Danmarks Nationalbank collects, processes, and publishes statistical information regarding payment services. The data is available from January 1<sup>st</sup>, 2019.

#### 0.5 Users and application

The table is aimed at users who are interested in the card turnover of Danish companies in Denmark from both Danish and foreign consumers. The table can be used to assess the economic activity in Denmark. Users include ministries, interest organizations, Danmarks Nationalbank, banks, payment institutions, the European Central Bank, and others.

#### 0.6 Sources

The table is based on Danmarks Nationalbank's statistics on daily payment card transactions, which consists of weekly reports with daily observations from six payment card acquirers in Denmark. Based on the year 2022, the coverage rates across transaction types are as follows:

Coverage rates in 2022	Total	POS	CNP
Number of transactions	91,3 %	96,2 %	69,4 %
Value of transactions	87,9 %	92,3 %	77,8 %

#### 0.7 Legal authority

Danmarks Nationalbank collects the information, on the basis of §14a of Nationalbankloven, necessary for fulfilling Danmarks Nationalbank's objective, stated in §1.

## 0.8 Respondent burden

The actors mentioned in section 0.6 have the direct respondent burden.

## 1 Contents

### 1.1 Description of contents

The statistics contain daily data on the number and value of payment card transactions in Denmark<sup>1</sup>, categorized by transaction type, card issuing country, and data type.

Statistics based on daily payment card transactions are an area under development, and therefore, sources and methods will be updated as Danmarks Nationalbank publishes more tables based on this specific statistic.

### 1.2 Statistical concepts

Below is a description of the variables included in the published table.

#### Transaction type

Transaction type indicates how the payment card transaction was conducted. The categories are as follows:

- *Total*.
- *Point Of Sale (POS)*: Card transactions where the consumer is physically present at the point of sale and pays via a physical card terminal, e.g., physical stores with staffed checkouts or self-service environments.
- *Card Not Present (CNP)*: Card transactions where the consumer does not pay via a physical card terminal, e.g., online shopping or payments via supermarket apps.

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<sup>1</sup> The following transactions are not included in the statistics: 1) Transactions reported with MCC codes 9211, 9222, 9311, 9399 and 9405. 2) Transactions reported with transaction type ATM.

### **Card issuing country**

The card issuing country indicates whether the payment card used is issued in Denmark og abroad – i.e., the country where the bank (or a similar institution) that issued the card is based. The categories are as follows:

- *Cards issued in all countries*: Transactions with payment cards issued in all countries.
- *Cards issued in Denmark*: Transactions with payment cards issued in Denmark.
- *Cards issued in all countries excluding Denmark*: Transactions with payment cards issued in all countries excluding Denmark.

### **Data type**

The data type has the following categories:

- *Number (qty.)*: Number of transactions with payment cards.
- *Value (DKK)*: Value of transactions with payment cards.

## **2 Time**

### **2.1 Reference period**

The statistics are compiled on a weekly basis with daily observations.

### **2.2 Date of publication**

The statistics are published weekly, with the figures for a week being released on the 11<sup>th</sup> business day after the week has ended.

### **2.3 Punctuality**

The statistics are normally published without delay relative to the announced time.

### **2.4 Frequency**

See Section 2.2.

## **3 Accuracy**

### **3.1 Overall accuracy**

The statistics are based on information collected from six payment card acquirers in Denmark. The accuracy of the statistics depends on the accuracy and quality of the individual reports.

### **3.2 Sources of inaccuracy**

#### *Population*

The statistics are based on information collected from six payment card acquirers in Denmark. The statistics are not a complete representation, as payment recipients in Denmark can use foreign payment card acquirers who do not report to Danmarks Nationalbank.

#### *Guidelines*

Guidelines for reporting the data are available at Danmarks Nationalbank's website. Additionally, Danmarks Nationalbank conducts a series of checks on the reported information to ensure quality, including eliminating errors in collaboration with the reporters. Despite this, there may still be a risk that the reporters interpret the guidelines differently and therefore do not report uniformly.

### **3.3 Measures of accuracy**

The statistical uncertainty has not been calculated.

## **4 Comparability**

### **4.1 Comparability over time**

The statistics in the table are generally comparable over time. During the quality assurance of data, errors and deficiencies in the published time series may potentially be identified. Minor errors and deficiencies are typically corrected going forward. If major errors and deficiencies are identified, efforts are made to correct these retrospectively, which may result in a revision of already published data.

### **4.2 Comparability with other statistics**

Danmarks Nationalbank also publishes from another payment statistics, namely the quarterly payment statistics. The information in the two sets of statistics is comparable if it is available in both datasets,

but the quarterly payment statistics cover the card issuer side, while the statistics based on daily payment card transactions cover the payment card acquirer side. Therefore, there will be a level shift in the reporting of transactions because there is a difference in coverage, see Section 0.6.

#### **4.3 Coherence between provisional and final statistics**

With each publication, revisions of all historical data may occur.

### **5 Accessibility**

#### **5.1 Channels of distribution**

Published weekly on:

<https://www.nationalbanken.dk/en>

<https://nationalbanken.statistikbank.dk/>

[www.statistikbanken.dk](http://www.statistikbanken.dk)

#### **5.2 Basic material: Storage and application possibilities**

The data is received electronically and stored in a local database. Extracts for the StatBank are drawn from the local database.

#### **5.3 Documentation**

Reporting guidelines are available on Danmarks Nationalbank's website.

#### **5.4 Other information**

There is no additional information.

### **6 Supplementary documentation**

None.