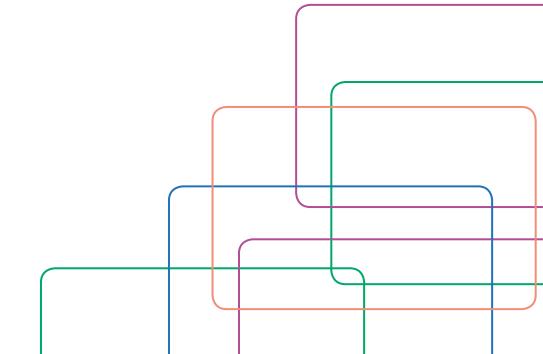
**CROATIAN NATIONAL BANK** 

# Payment Cards and Card Transactions

**Payment Statistics** 

2015

Year II · July 2016



#### Publisher

Croatian National Bank Publishing Department Trg hrvatskih velikana 3, 10002 Zagreb Phone: +385 1 45 64 555 Contact phone: +385 1 45 65 006 Fax: +385 1 45 64 687 www.hnb.hr

Those using data from this publication are requested to cite the source. Any additional corrections that might be required will be made in the website version.

ISSN 1849-8930 (online)

## Overview of the cards market of the Republic of Croatia

Payment card issuers

26 credit institutions 2 electronic money institutions

#### Basic statistics of the Republic of Croatia

#### Population/business entities

Population: **4.285** million Business entities (non-consumers): **0.312** million Surface: **56,594** km<sup>2</sup>

#### Acquirers of payment cards at EFTPOS terminals

20 credit institutions 2 electronic money institutions

#### Card schemes (in alphabetic order)

Four-party card schemes

MasterCard<sup>®</sup>
Visa<sup>®</sup>

Three-party card schemes

American Express<sup>®</sup>

Diners Club International<sup>®</sup>

#### Number of cardholders

Consumers: **3.364** million Business entities (non-consumers): **0.220** million

#### Number of payment cards

Debit: **6.879** million Credit: **1.859** million

#### National card payments

Number: **350.92** million Value: HRK **125,251.27** million

#### Infrastructure

EFTPOS terminals: **103,434** ATMs: **4,418** 

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### 1 Introduction

Competitive and efficient financial services markets are very important for every economy, including the economy of the Republic of Croatia (hereinafter referred to as 'RC'). A clear and transparent legal framework is one of the preconditions for an efficient and competitive market. The Payment Services Directive 2007/64/EC1, whose provisions have been transposed into the Payment System Act (Official Gazette 133/2009 and 136/2012; hereinafter referred to as 'PSA'), is thus for the first time regulating the payment services for the entire European Economic Area in a uniform manner. The PSA regulates payment services, payment service providers, the obligations of payment service providers to provide payment service users with information as well as other rights and obligations related to the provision and use of payment services, transaction accounts, the establishment, operation and supervision of payment institutions and the establishment, operation and supervision of payment systems. The service of payment cards issuing and acquiring is one of the payment services regulated by the PSA.

The payment card is the most frequently used payment instrument in the RC, and the market of payment cards and card payments has recorded constant growth and development. Over nine years, the number of national card-based payment transactions increased by 72%, i.e. from the 203.68 million executed in 2006 to the 351 million executed in 2015. In addition, in the same period the value of national card-based payment transactions increased by 47%, i.e. from HRK 85,331.34 million to HRK 125,251.27 million.

Card payments are the most frequently used form of payment in EU countries (hereinafter referred to as 'EU'). According to data of the European Central Bank (hereinafter referred to as 'ECB'), in 2000, the number of card-based payment transactions was at the level of about 13 billion transactions a year, while in 2014, 47 billion card-based payment transactions were executed.<sup>2</sup> In addition, the number of card-based payment transactions per capita is still rising in all EU countries.

The purpose of this publication is to provide a comprehensive overview of the market of payment cards and card-based payment transactions in the RC in 2015, with a comparison of data with the data for 2014, which should be equally useful to users, payment service providers and the public in general.

#### 1.1 Structure of the publication

The publication is divided in seven chapters.

The first chapter is the Introduction, which gives, in addition to the purpose and structure of the publication, a brief overview of the legal framework from which statistical data and basic methodological explanations have been collected.

The second chapter, under the title of 'Structure of the card market and payments infrastructure', gives an insight into the models of card schemes and an overview of the basic accepting devices for payment cards (ATMs and EFTPOS terminals).

In the third chapter, Payment cards market in the RC, data are presented on the number of payment cards and the degree of their technological development.

Card-based payment transactions, i.e. the fourth chapter, gives insight into data submitted by payment service providers – issuers for all national and international card-based payment transactions made using payment cards, issued by these same issuers. A comparison of the use of payment cards and cash in the RC is also given.

The fifth chapter, Acquiring of payment cards, provides insight into data submitted by payment service providers – acquirers for all national and international transactions of acquiring of payment cards.

The sixth chapter is a glossary.

The seventh chapter contains a list of tables, figures and boxes from the publication.

#### 1.2 Legal framework

The Republic of Croatia has completely aligned its legislation with the *acquis* in the area of payment operations. The PSA regulates payment services in the RC in the same way as they are regulated in the EU. Thus the services of payment cards issuing and acquiring are among the payment services defined by Article 3, item (5) of the PSA.

1 Directive 2007/64/EC of the European Parliament and of the Council of 13 November 2007 on payment services in the internal market.

2 European Central Bank data.

Statistical data on payment cards, card-based payment transactions and accepting devices for payment cards are collected according to the Decision on the obligation to submit data on the payment system and electronic money (Official Gazette 147/2013; hereinafter referred to as 'Decision'), which entered into force on 1 January 2014. The Decision prescribes the obligation of reporting to the Croatian National Bank (hereinafter referred to as 'CNB') on data with regard to the payment system and electronic money, as well as the content and manner of such reporting and reporting deadlines.

The Decision was adopted pursuant to two acts:

- the Payment System Act (Official Gazette 133/2009 and 136/2012); and
- the Electronic Money Act (Official Gazette 139/2010; hereinafter referred to as 'EMA').

The Decision prescribes the scope of the data and also the reporting entities. In addition to data on national payment transactions, data on international payment transactions are also collected, and the reporting period is a month.

Pursuant to the Decision, the reporting entities are the following:

- 1. credit institutions (banks and savings banks) with registered offices in the RC;
- 2. electronic money institutions with registered offices in the RC;
- 3. payment institutions with registered offices in the RC;
- 4. branches of third-country credit institutions (or branches of banks) with registered offices in the RC;
- 5. branches of third-country electronic money institutions with registered offices in the RC;
- 6. branches of credit institutions from other member states with registered offices in the RC;
- 7. branches of electronic money institutions from other member states with registered offices in the RC;
- branches of payment institutions from other member states with registered offices in the RC;
- 9. agents of payment service providers from other member states with registered offices in the RC, through which these payment service providers provide payment services in the RC, provided that these agents have been authorised to provide payment services; and
- 10. the Financial Agency.

The Decision prescribes the compilation and submission of data on the payment system and electronic money through 11 Reports:

- "Credit transfer" Report;
- "Money remittance" Report;
- "Direct debit" Report;
- "Credits to/debits from the accounts by simple book entry" Report;
- "Cash" Report;
- "Cheques and bills of exchange" Report;
- "Issuing of payment cards" Report;

- "Accounts" Report;
- "Infrastructure" Report;
- · "Acquiring of payment cards" Report; and
- "Legal authority" Report.

The publication gives an overview of payment cards and cardbased payment transactions for 2015 with a comparison of data with the data for 2014 through statistical data collected in three reports: Issuing of payment cards, Acquiring of payment cards and Infrastructure.

#### 1.3 Methodology

The methodology of collecting data in accordance with the Decision is based on predefined terms, which are harmonised with legal provisions, the ECB's Regulation (EU) No 1409/2013 of 28 November 2013 on payment statistics (ECB/2013/43)<sup>3</sup> and other standards accepted in the cards market.

It was data obtained from payment service providers (reporting entities) that were primarily used in preparing the publication. A much smaller share of data was collected from business entities – providers of card infrastructure services (Sub-chapter 2.2) and in the data of the Ministry of Finance of the Republic of Croatia – Tax Administration (Sub-chapter 4.2).

The payment service providers (reporting entities), whose data were used in the preparation of the publication include:

- credit institutions (banks) that have obtained authorisation from the CNB, which includes authorisation to provide the payment services of issuing and acquiring of payment cards; and
- electronic money institutions<sup>4</sup> that have obtained authorisation from the CNB to provide the payment services of issuing and acquiring of payment cards.

The publication provides a complete overview of the cards market in the RC for 2015, i.e. it presents aggregated statistical data on:

- payments infrastructure shown with the balance at the end of the last day of the reporting period (month);
- payment cards shown at a monthly level or with the balance at the end of the last day of the reporting period (month);
- card-based payment transactions shown at a monthly or an annual level;
- transactions of the acquiring of payment cards shown at a monthly or an annual level.

Data on card-based payment transactions are collected in the original currency, i.e. in the currency in which the transaction

- 3 Regulation (EU) No 1409/2013 of the European Central Bank of 28 November 2013 on payment statistics (ECB/2013/43).
- 4 Not including data submitted by electronic money institutions that at the same time carry out the activity of telecommunications services.

takes place (transaction currency). For the purposes of the publication, all transactions in other currencies are recalculated in kuna at the CNB's midpoint exchange rate on the last day of the reporting period. Data on the par value of transactions are shown in kuna without lipa.

Detailed methodological explanations related to the individual terms of the Report are given in each chapter separately.

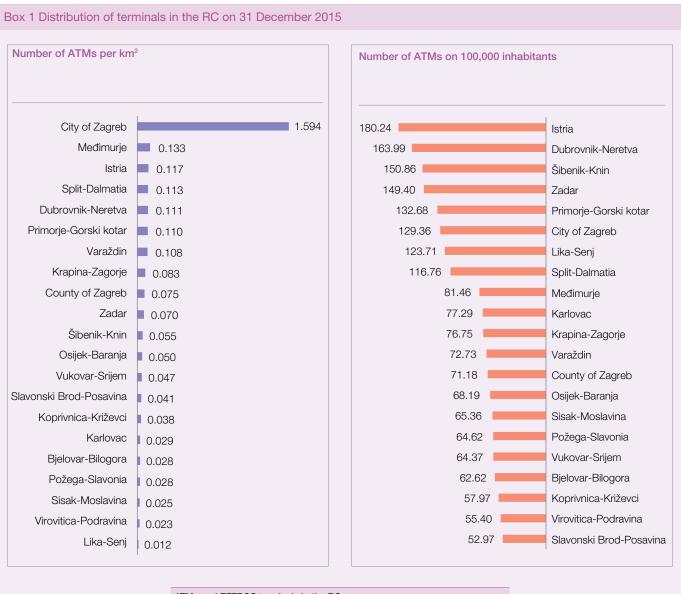
The basic terms defined by the PSA, which refer to the area of payment cards and card-based payment transactions, are the following:

• **'payment card'** means a payment instrument enabling its holder to make payments for goods and services either through an accepting device for payment cards or remotely, and/or to withdraw cash and/or use other services at an ATM or another self-service device;

- 'national payment transaction' means a payment transaction the execution of which involves a payer's payment service provider and a payee's payment service provider, or only one payment service provider, operating in the RC;
- **'international payment transaction'** means a payment transaction the execution of which involves two payment service providers one of which (of either the payer or the payee) operates in the RC, while the other payment service provider (of either the payer or the payee) operates pursuant to the regulations of a third country or another member state;
- **'card payment scheme'** means a set of functions, procedures, rules and devices enabling the holder of a payment card to effect a payment and/or cash withdrawal transaction with a payment service provider.

# 2 Structure of the card market and payments infrastructure

This chapter shows card payment schemes (Sub-chapter 2.1) and payments infrastructure by accepting devices for payment cards, such as ATMs and EFTPOS terminals (Sub-chapter 2.2).



ATMs and EFTPOS terminals in the RC	
Total number of ATMs	4,418
Total number of EFTPOS terminals	103,434
Number of ATMs on 100,000 inhabitants	103.11
Number of EFTPOS terminals on 100,000 inhabitants	2,413.92
Number of ATMs per km <sup>2</sup>	0.08
Number of EFTPOS terminals per km <sup>2</sup>	1.83

Source: CNB.

#### 2.1 Card payment schemes

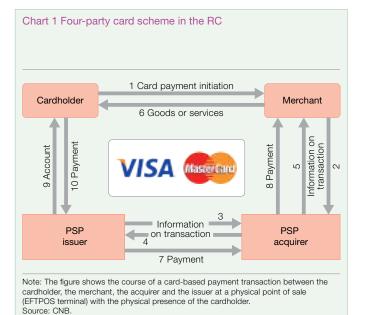
'Card payment scheme' means a set of functions, procedures, rules and devices enabling the holder of a payment card to effect a card-based payment transaction and/or cash withdrawal with a payment service provider.

In the RC, two models of card schemes are recognised: the model with four stakeholders, i.e. the four-party card scheme and the model with three parties or stakeholders, i.e. the three-party card scheme.

#### Four-party card scheme in the RC

In the four-party card scheme in the RC the stakeholders are: the cardholder – payer, the merchant – payee, the payment service provider as the payment card issuer (hereinafter referred to as 'issuer') and the payment service provider as the payment card acquirer (hereinafter referred to as 'acquirer').

- **Cardholder payer**: consumer and/or non-consumer, i.e. a natural and/or legal person initiating a card-based payment transaction using a payment card.
- Merchant payee: legal or natural person accepting a payment card issued by the issuer that has established an agreement with the acquirer.
- **Issuer**: payment service provider that has issued the cardholder (payer) with the payment card that serves to initiate cardbased payment transactions.
- Acquirer: payment service provider that provides payment card acquiring and the processing of a card-based payment transaction for the payee (merchant), which results in the transfer of cash to the payee (merchant).



The course of execution of a card payment in the four-party

**card scheme** between the cardholder, the merchant, the acquirer and the issuer at a physical point of sale, i.e. EFTPOS terminal with the physical presence of the cardholder:

- 1. The cardholder uses a payment card at a merchant's to initiate a card payment for the purchase of goods and services.
- 2. The cardholder initiates a card-based payment transaction to the acquirer at an EFTPOS terminal, through the merchant, i.e. data are transmitted to the acquirer through the EFTPOS terminal.
- 3. The acquirer forwards the data on the transaction to the issuer for authorisation.
- 4. The issuer verifies and authorises the transaction and notifies the acquirer about it.
- 5. After receiving the authorisation from the issuer, the acquirer notifies the merchant about it through the EFTPOS terminal.
- 6. After the transaction is authorised, the merchant delivers the goods and services to the cardholder.
- 7. The issuer forwards the amount to the acquirer for the purchase of goods and services carried out through a payment card.
- 8. The acquirer makes funds available to the merchant.
- 9. The issuer sends data on the cost of the transaction made through the payment card to the cardholder.
- 10. The cardholder settles the obligation for the transaction made through the payment card.

Currently, MasterCard<sup>®</sup> and Visa<sup>®</sup> four-party card schemes are operational in the territory of the RC. Both debit and credit payment cards are issued in the four-party card scheme. In 2015, in all 27 issuers/stakeholders of the four-party card scheme were recorded.

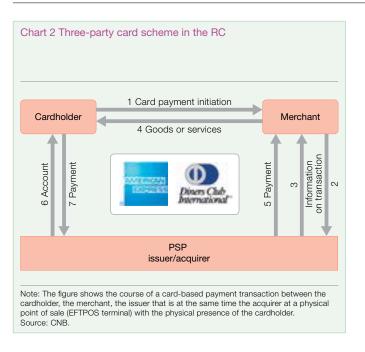
#### Three-party card scheme in the RC

In the three-party card scheme in the RC the stakeholders are: the cardholder – payer, the merchant – payee, the payment service provider as the payment card issuer (hereinafter referred to as 'issuer'), which is at the same time the payment service provider as the payment card acquirer (hereinafter referred to as 'acquirer').

- **Cardholder payer**: consumer and/or non-consumer, i.e. a natural and/or legal person initiating a card transaction using a payment card.
- Merchant payee: legal or natural person/payee, accepting the payment card issued by the issuer that has established an agreement with the acquirer.
- **Issuer/acquirer**: in the three-party card scheme, the same payment service provider is the issuer and the acquirer.

As the issuer, the payment service provider is bound by a contract with the cardholder, and it has issued the cardholder (the payer) with a payment card, which serves for initiating card-based payment transactions.

As the acquirer, the payment service provider is bound by a contract with the payee (merchant), to whom it ensures the acquiring of the payment card and the processing of the card-based payment transaction, which results in the transfer of funds to the payee (merchant).



The course of execution of a card payment in a three-party card scheme between the cardholder, the acquirer and the issuer at a physical point of sale, i.e. EFTPOS terminal involving the physical presence of the cardholder:

- 1. The cardholder uses a payment card at a merchant's to initiate a card payment for the purchase of goods and services.
- 2. The cardholder initiates a card-based payment transaction to the acquirer at an EFTPOS terminal, through the merchant, i.e. data are transmitted to the acquirer through the EFTPOS terminal.
- 3. The issuer/acquirer verifies and authorises the transaction and notifies the merchant about it through the EFTPOS terminal.
- 4. After the transaction is authorised, the merchant delivers the goods and services to the cardholder.
- 5. The issuer/acquirer makes funds available to the merchant.
- 6. The issuer/acquirer sends data on the cost of the transaction made through the payment card to the cardholder.
- 7. The cardholder settles the obligation for the transaction made through the payment card.

Three-party card schemes are usually credit card schemes and no debit cards are issued under them. A total of two payment service providers – stakeholders in the three-party scheme were recorded in 2015. Diners Club International<sup>®</sup> and American Express<sup>®</sup> are three-party card schemes in the territory of the RC.

#### 2.2 Payments infrastructure

Data on the payments infrastructure are collected from payment service providers and from legal persons that are the owners of accepting devices for payment cards (EFTPOS terminals and ATMs) through which payment service providers – acquirers provide the payment service of acquiring payment cards.

In the market of the RC, on 31 December 2015, there were 109,485 terminals at which cards are accepted, of which 4,418 were ATMs and 105,067 EFTPOS terminals. Of the total number

6 · July 2016

Table 1 Total number of terminals acquiring payment cards in the RC

Accepting terminals	Total on 31 December 2014	Total on 31 December 2015
ATMs	4,222	4,418
EFTPOS terminals	99,515	103,434
EFTPOS terminals for withdrawal and deposit	1,519	1,633
Source: CNB.		

of EFTPOS terminals, at 1,633 of them cardholders can initiate only the payment transactions of withdrawal and/or deposit of cash through a payment card, but not the payment of goods and services (Table 1).

ATM

An ATM is an electromechanical terminal allowing cardholders to make cash withdrawals and/or deposits and to use the service of providing information and other services.

On 31 December 2015, 4,418 ATMs were recorded in the territory of the RC. The largest number of ATMs was recorded in the City of Zagreb (1,022), and the smallest number of ATMs was recorded in Virovitica-Podravina County (47) (Table 2).

ATMs can be broken down by functions and features.

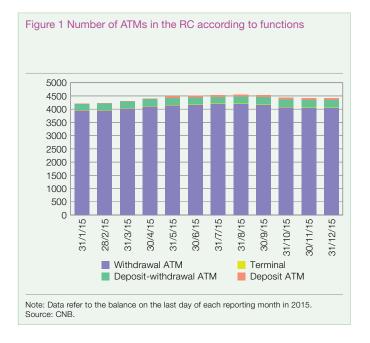
Table 2 Number of ATMs by counties in the RC on 31 December 2015

County	Total number of ATMs
Bjelovar-Bilogora	75
Slavonski Brod-Posavina	84
Dubrovnik-Neretva	201
City of Zagreb	1,022
Istria	375
Karlovac	105
Koprivnica-Križevci	67
Krapina-Zagorje	102
Lika-Senj	60
Međimurje	8
Osijek-Baranja	208
Požega-Slavonia	51
Primorje-Gorski kotar	390
Sisak-Moslavina	11*
Split-Dalmatia	53
Šibenik-Knin	165
Varaždin	136
Virovitica-Podravina	47
Vukovar-Srijem	116
Zadar	254
County of Zagreb	231
Total	4,418
Source: CNB.	

ATM functions are divided by payment services, i.e. by the function of cash deposit and the function of cash withdrawal.

The breakdown of ATMs by functions also shows the data on ATMs that allow users to use different services, such as the review of payment account transactions, the purchase of vouchers, the use of electronic banking, etc., at which it is not possible to effect the payment services of cash deposits, cash withdrawals and execution of credit transfers. For the purposes of the publication, such an ATM is called a 'terminal'.

According to their functions, we can distinguish four types of ATM in the RC (Figure 1).



On 31 December 2015, 4,053 withdrawal ATMs, 288 depositwithdrawal ATMs, 10 terminals and 67 deposit ATMs were recorded in the RC (Figure 1).

On 31 December 2015, of the total number of ATMs, 1,520 of them were in a video surveillance system and 943 were in a secure location. ATMs in a secure location are ATMs located in a special, enclosed area for that purpose, and physical access is ensured by applying adequate measures of physical and/or technical protection. An ATM can be categorised in both of the above features.

#### EFTPOS terminal

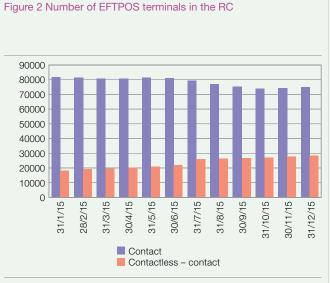
An EFTPOS terminal (electronic funds transfer at point of sale) is an electronic terminal allowing cardholders to initiate cardbased payment transactions at a point of sale.

On 31 December 2015, a total of 103,434 EFTPOS terminals were recorded, a 4% increase from 31 December 2014 (Table 1).

EFTPOS terminals can be divided into contact and contactless terminals. Contact EFTPOS terminals support the acquiring of

payment cards, which contain records based only on a chip and/ or magnetic stripe. Contactless-contact EFTPOS terminals support the acquiring of payment cards, which, in addition to the record based on a magnetic stripe and/or chip, also contain records based on contactless technology (proximity card reading, NFC, etc.).

As in 2014, in 2015, within the category of EFTPOS terminals, the number of contact EFTPOS terminals continued to decline from 81,664, as recorded on 31 December 2014, to 75,027, as recorded on 31 December 2015. However, the number of contactless-contact terminals continued to increase from 17,851 to 28,407, accounting for 27% of all EFTPOS terminals on 31 December 2015 (Figure 3).



Note: Data refer to the balance on the last day of each reporting month in 2015. Source: CNB.



Figure 3 Number of contactless-contact EFTPOS terminals in the RC

Note: Data refer to the balance on the last day of each reporting month. Source: CNB.

#### EFTPOS terminal for withdrawal and deposit

An EFTPOS terminal for withdrawal and deposit is a terminal that allows cardholders to initiate only the payment transactions of the withdrawal and/or deposit of cash using a payment card. This terminal is most frequently located in the premises of a third

person, which, pursuant to a contract, operates on behalf and for the account of the payment service provider (e.g. the Financial Agency, Hrvatska pošta, etc.).

On 31 December 2015, a total of 1,633 EFTPOS terminals for withdrawal and deposit were recorded (Table 1).

### 3 Payment cards market in the RC

Statistical data on payment cards issued by payment service providers – issuers in the RC are presented in this chapter.

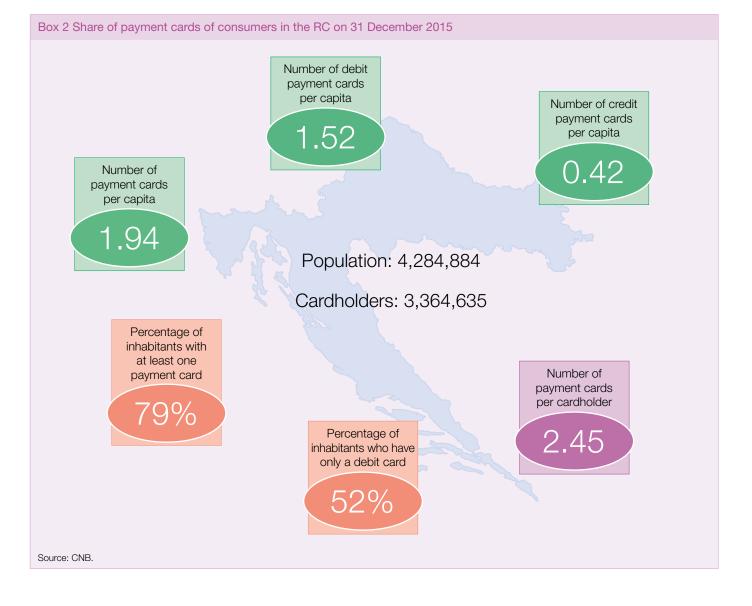
Payment service providers – issuers (hereinafter referred to as 'issuers') in the RC include:

- 1. credit institutions (banks) that have obtained authorisation from the CNB, which includes the authorisation to provide the payment service of the issuance of payment cards; and
- 2. electronic money institutions<sup>5</sup> that have obtained the authorisation of the CNB to provide the payment service of issuing payment cards.

The issuer may issue several payment cards to a single cardholder. Also, a cardholder may have payment cards issued by several issuers.

The chapter is divided into three parts:

- the first part contains an overview of the number of payment cards in the market of the RC (Sub-chapter 3.1);
- the second part contains an overview of the degree of technological development of payment cards (Sub-chapter 3.1.1);
- the third part contains an overview of the number of payment cards by holder (Sub-chapter 3.2).



5 Not including data submitted by electronic money institutions that at the same time carry out the activity of telecommunications services.

#### 3.1 Payment cards

'Payment card' means a payment instrument enabling its holder to make payments for goods and services either through an accepting device for payment cards or remotely, and/or to withdraw and deposit cash and/or use other services at an ATM or at other accepting devices for payment cards.

The basic breakdown of payment cards is according to maturity and settlement of expenses, i.e. according to the moment when the holder settles the expenses incurred on a payment card. Accordingly, payment cards are divided into debit (pay now), credit (pay later) and prepaid cards<sup>6</sup> (pay in advance):

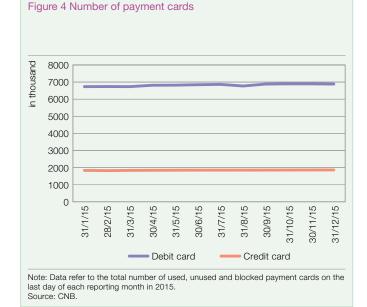
- **Debit payment cards** (hereinafter referred to as 'debit cards') allow the holder to pay for goods and services and withdraw cash through the ATM, other terminals and over the counter at credit institutions. When using a debit card, the cardholder's payment account is debited for the incurred expense immediately after the execution of the card-based payment transaction, provided that there is coverage in the account. The coverage in the account also includes the amount of the unused allowed overdraft.
- **Credit payment cards** (hereinafter referred to as 'credit cards') allow the holder to pay for goods and services and withdraw cash through the ATM and other terminals.

The use of a credit card does not condition the holder to ensure coverage in the payment account for the execution of a payment transaction at the time of its initiation. A credit line (limit) is granted to the credit card user for the execution of a payment transaction. Expenses incurred by using the credit card during a specific period are charged within deadlines defined by the agreement on the issuing of the credit card, i.e. after a specific time.

Credit cards include credit, charge, revolving, delayed debit and membership cards.

On 31 December 2015, a total of 8,738,993 payment cards of consumers and business entities (non-consumers) were recorded in the RC, of which 6,879,381 were debit cards (79%) and 1,859,612 were credit cards (21%). On 31 December 2015, the total number of payment cards increased by 0.9% from 31 December 2014.

The number of debit cards increased by 0.7%, i.e. from 6,834,248, as recorded on 31 December 2014, to 6,879,381, as recorded on 31 December 2015. In the same period, the number of credit cards increased by 1.9%, i.e. from 1,825,782, as recorded on 31 December 2014, to 1,859,612, as recorded on 31 December 2015 (Figure 4).



Payment cards are issued to consumers and/or legal persons (non-consumers). A consumer may be issued a basic and an additional payment card. A payment card user that is a business entity (non-consumer) may be issued only the basic payment card.

On 31 December 2015, a total of 8,303,610 payment cards issued to consumers were recorded in the RC, 85.19% of which were basic payment cards (Table 3).

Table 3 Number of payment cards issued in the RC by useron 31 December 2015					
Type of payment card	Consumer		Non-con- sumer	Total	
caru	Basic	Additional	Basic		
Debit card	5,451,357	1,067,731	360,293	6,879,381	
Credit card	1,622,813	161,709	75,090	1,859,612	
Total	7,074,170	1,229,440	435,383	8,738,993	
Note: Data refer to the total number of payment cards on 31 December 2015. Source: CNB.					

As explained in the introduction, payment cards are broken down into debit and credit cards. Credit cards can also be broken down by the type of contract between the issuer and cardholder and by the agreed manner of cost repayment. In accordance with the above, cards are broken down into debit cards, charge cards, revolving cards, delayed debit cards, credit cards and certain combinations of the above options.

On 31 December 2015, of the total number of cards in the RC, the most represented were debit cards with the share of 79%, followed by charge cards with the share of 7%, and cards with the delayed debit function and revolving cards each with a 5% share. The breakdown of payment cards by types is shown in Table 4.

A payment card may be in/on the following carrier mediums:

<sup>6</sup> Statistical data on prepaid payment cards are not included in the overview of this publication.

Table 4 Number of payment cards issued in the RC by type of card on 31 December 2015

Type of payment card	Number of payment cards	Share
Debit card	6,879,381	79%
Charge card	641,886	7%
Delayed debit card	484,988	6%
Revolving card	408,316	5%
Credit card	181,380	2%
Other/membership	143,042	2%
Total	8,738,993	100%

Source: CNB.

- · a plastic card; and
- another carrier medium, such as the mobile phone, sticker (a payment card is stored or attached to/on another carrier medium), etc.

Of the total number of all payment cards, on 31 December 2015, 36,067 debit card stickers were recorded.

#### Payment cards by scheme

As explained in Sub-chapter 2.1, in the RC, debit and credit cards are issued in the four-party card scheme and only credit cards are issued in the three-party card scheme. Thus a total of 7,802,869 or 89% of all payment cards were issued in the four-party card scheme system, of which 6,879,381 were debit cards and 923,488 were credit cards.

On 31 December 2015, in the RC, of the total number of credit cards, 936,124 or 50.3% of them were issued in the three-party card scheme system, while 923,488 or 49.7% of them were issued in the four-party card scheme system.

#### Payment cards statuses

An issued payment card may have one of these statuses: used, unused and blocked. The sum of used, unused and blocked payment cards makes up the total number of payment cards issued in the RC shown on the last day of each reporting month.

The term 'used' implies that at least one card-based payment transaction was executed with the payment card over the past year, and the term 'unused' implies that no card-based payment transaction was executed with the payment card over the past year. The term 'over the past year' implies one year from the last day of the reporting period (month), and not a calendar year.

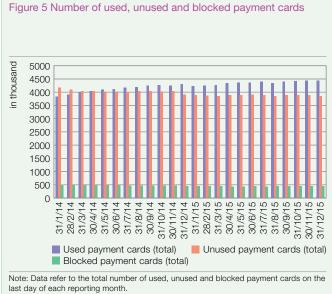
A 'blocked payment card' means a payment card in circulation that temporarily cannot be used for card-based payment transactions. In 2015, the average monthly number of:

- used payment cards stood at 4.35 million;
- unused payment cards stood at 3.88 million;
- blocked payment cards stood at 0.44 million.

The received data on payment cards show that used cards accounted for an average of 50.8% per month of the total number of payment cards in 2015. Unused cards accounted for an average of 44.09% and blocked cards for 5.09% per month.

At a monthly level in 2015, the average number of used payment cards increased by 5.5% from 2014, while at the same time the average number of unused payment cards declined by 3.8%. The average monthly number of blocked payment cards in 2015 fell by 6.6% relative to the average number of blocked cards in 2014.

A presentation of the number of used, unused and blocked payment cards at the end of each month in 2014 and in 2015 is shown in Figure 5.



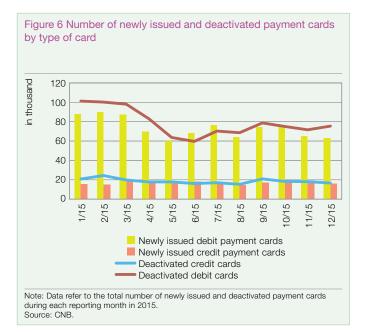
Source: CNB.

The received data on payment cards by type of card show that used cards accounted for an average of 44% per month of the total number of debit cards in 2015. Unused cards accounted for an average of 50% and blocked cards for 6% per month.

#### Newly issued and deactivated payment cards

'Newly issued payment card' means a payment card that is issued to the holder for the first time during the reporting month. A payment card provided to the holder on the occasion of a regular reissue of the card, for instance, because of the expiry of the card's validity period, card damage, etc., is not included in this status.

Data on payment cards with the status of 'newly issued' refer to the newly issued cards throughout the reporting month, and not to their status on the last day of the reporting month.



In 2015, a total of 1,085,698 payment cards were newly issued, of which 880,933 or 81% were debit cards and 204,765 or 19% were credit cards (Figure 6). In 2015, the average monthly number of newly issued debit cards was 73,411, and the average monthly number of newly issued credit cards was 17,064.

'Deactivated payment card' means a payment card the use of which for card-based payment transactions has been permanently disabled. Data on payment cards with the status of 'deactivated' refers to deactivated cards throughout the reporting month.

In 2015, a total of 1,168,530 payment cards were deactivated, of which 945,318 or 81% were debit cards and 223,212 or 19% were credit cards (Figure 6).

A payment card can be deactivated at the user's initiative, or it can be deactivated by the issuer.

Of the total number of deactivated payment cards, 653,956 or 56% of them were deactivated at the user's initiative, while 514,574 or 44% of them were deactivated by the issuer.

### 3.1.1 Degree of technological development of payment cards in the RC

Employing different technologies, payment card issuers issue EMV chip cards, chip cards, magnetic and contactless cards and combinations of them to users.

Payment cards that possess both an EMV chip and a magnetic stripe (hereinafter referred to as 'EMV payment cards') currently prevail in the market of the RC, while the number of cards possessing only a magnetic stripe is constantly on the decline.

The EMV standard was started by a working group created in 1993 by the world's payment organisations: Europay, Master-Card and Visa. In fact, the name EMV is derived from the first letter of each of these three institutions. The standard covers the processing of microchip-based credit and debit cards (smart cards), i.e. it defines a set of rules with the aim of setting up secure and smooth communication between smart cards and accepting devices for payment cards. EMV standard-based cards are a significant improvement over magnetic stripe-based cards, primarily because of the higher level of security and the prevention of card fraud.

On 31 December 2014, in all 8,039,663 EMV payment cards were recorded, accounting for 93% of all payment cards, while on 31 December 2015, the number of EMV payment cards stood at 8,145,296, accounting for 93% of all payment cards.

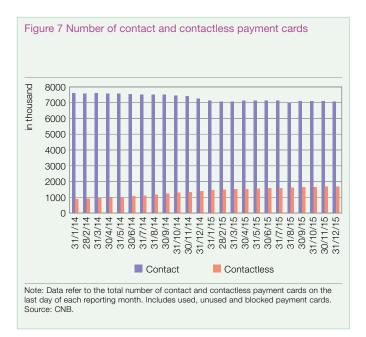
#### Contactless and contact payment cards

Depending on the applied technology of initiation of payment transactions, all payment cards can be divided in two basic types: contact and contactless.

- 'Contact payment card' means a payment card that enables the execution of contact card-based payment transactions and contains records based on a chip and/or magnetic stripe. Contact card-based payment transactions are initiated by swiping or inserting a payment card through/into a device (e.g. an EFTPOS terminal).
- 'Contactless payment card' means a payment card that enables the execution of contact and contactless card-based payment transactions and contains records based on a chip and/ or magnetic stripe, and records based on contactless technology. Contactless card-based payment transactions are initiated by the payment card being brought close to the accepting device for payment cards (e.g. an EFTPOS terminal), which possesses readers for contactless payments. As a rule, contactless payment cards and have the additional possibility of initiating contactless card-based payment transactions.

Table 5 Number of contact and contactless payment cards issued in the RC on 31 December 2015				
Type of payment card	Contact	Contactless	Total	
Debit card	5,306,872	1,572,509	6,879,381	
Credit card	1,752,718	106,894	1,859,612	
Total	7,059,590	1,679,403	8,738,993	
Note: Data refer to the total number of payment cards on 31 December 2015. Source: CNB.				

On 31 December 2015, of the total number of payment cards, 7,059,590 or 81% of them were contact and 1,679,403, i.e. 19% were contactless (Table 5). In 2015, the share of contactless payment cards in total payment cards increased from 16%, as recorded on 31 January 2015, to 19%, as recorded on 31 December 2015. Of the total number of contactless payment cards, 94% were debit cards.



In 2015, the number of contact payment cards continued to decrease from 7,260,298, as recorded on 31 December 2014, to 7,059,590, as recorded on 31 December 2015, which represents a fall of 3%. In the same period, the number of contactless payment cards increased by 20%, i.e. from 1,399,732, as recorded on 31 December 2014, to 1,679,403, as recorded on 31 December 2015 (Figure 7).

#### 3.2 Cardholders

This chapter gives an overview of the number of payment cards by holder. As already explained in the introduction, several payment cards may be issued to a single cardholder with the same issuer. Also, a cardholder may have payment cards issued by several issuers. This overview covers payment cards issued by issuers in the RC.

A cardholder may be a consumer and a business entity (non-consumer).

#### Consumer

On 31 December 2015, a total of 3,364,635 cardholders (consumers) were recorded, i.e. of the total RC population of 4,284,889<sup>7</sup>, 79% had at least one payment card.

Sixty-three per cent of all cardholders (consumers) hold payment cards issued by only one issuer, 27% hold payment cards issued by two issuers, and 10% of consumers hold payment cards issued by three or more issuers (Table 6).

Table 6 Number of cardholders in the RC (consumers) on 31 December 2015

Number of issuers	Number of holders	Total debit cards	Total credit cards	Total payment cards
One	2,120,781	3,244,510	396,305	3,640,815
Two	891,822	2,149,959	749,260	2,899,219
Three	273,901	848,631	441,142	1,289,773
Four	63,940	195,686	154,381	350,067
Five and more	14,191	80,407	43,331	123,738
Total	3,364,635	6,519,192	1,784,418	8,303,610

On 31 December 2015, the total number of cardholders (consumers) holding a debit card stood at 3,345,174, i.e. 78% of the population of the RC hold debit cards. In addition, on 31 December 2015 the number of cardholders holding only a debit card stood at 2,227,872, i.e. 52% of the population of the RC hold only debit cards. The total number of cardholders (consumers) holding a credit card stood at 1,117,302 or 26% of the population of the RC.

#### Business entities (non-consumers):

On 31 December 2015, a total of 220,033 cardholders – business entities (non-consumers) were recorded.

Table 7 gives a presentation of the number of cardholders – business entities (non-consumers) by the number of issuers. It is evident that the largest number of cardholders – business entities (non-consumers), 74% of them, hold payment cards issued by one issuer (Table 7).

Table 7 Number of cardholders in the RC - business entities

Number of PSP issuers	Number of holders	Total debit cards	Total credit cards	Tota paymen cards
One	163,004	223,348	31,873	255,22
Two	47,004	94,353	23,149	117,502
Three	8,189	29,991	14,287	44,278
Four	1,512	8,930	4,499	13,429
Five and more	324	3,671	1,282	4,953
Total	220,033	360,293	75,090	435,383

7 Croatian Bureau of Statistics: Census of population, households and dwellings in 2011.

### 4 Card-based payment transactions

This chapter presents statistical data on the total number and value of national and international payment transactions made using payment cards issued by payment service providers – issuers in the RC.

Payment service providers – issuers (hereinafter referred to as 'issuers') in the RC include:

- 1. credit institutions (banks) that have obtained authorisation from the CNB, which includes authorisation to provide the payment service of the issuance of payment cards; and
- 2. electronic money institutions<sup>8</sup> that have obtained the authorisation of the CNB to provide the payment service of issuing payment cards.

'Card-based payment transaction' means a service based on a payment card's acquiring infrastructure and card scheme business rules to make a payment transaction by means of a debit or a credit card.

Card-based payment transactions may be:

national card-based payment transactions – card-based payment transactions the execution of which involves a payer's payment service provider (issuer) and a payee's payment service provider (acquirer), or only one payment service provider (the issuer, which is at the same time the acquirer), both of which operate in the RC.

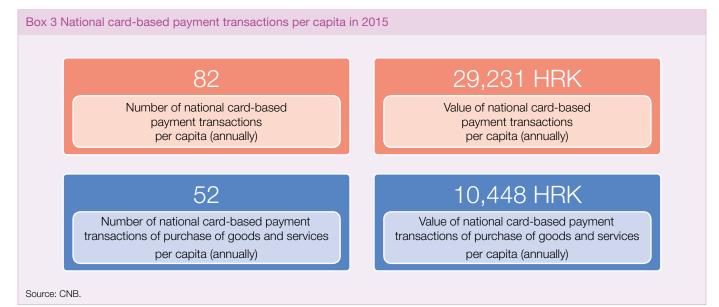
The total number and value of card-based payment transactions executed in the RC by consumers and business entities (non-consumers) with an issuer's payment cards are included;  international card-based payment transactions – card-based payment transactions the execution of which involves two payment service providers, one of which (the issuer) operates in the RC, and the other (the acquirer) operates pursuant to the regulations of a third country or another member state.
 The total number and value of payment transactions executed

outside the RC (in other member states or third countries) by consumers and business entities (non-consumers) with issuer's payment cards are included.

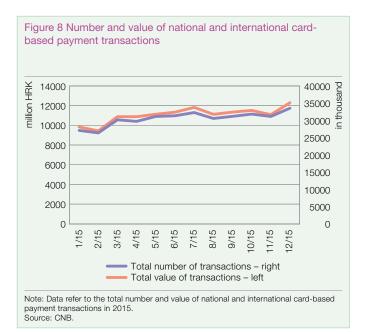
Along with the development of the payment cards market, cardbased payment transactions have also developed, for they are no longer restricted to the transactions of the purchases of goods and services through EFTPOS terminals and transactions of cash withdrawal and deposit at ATMs, but also cover the transactions of the purchases of goods and services through the Internet, direct debit and standing order transactions through a payment card and cash withdrawals through an EFTPOS terminal.

The chapter is divided into four parts:

- the first part shows the total number and value of national and international card-based payment transactions executed using issuers' payment cards (Sub-chapter 4.1);
- the second part shows the total number and value of national card-based payment transactions executed using issuers' payment cards (Sub-chapter 4.1.1);
- the third part shows the total number and value of international card-based payment transactions executed using issuers' payment cards (Sub-chapter 4.1.2);



8 Not including data submitted by electronic money institutions that at the same time carry out the activity of telecommunications services.



• the fourth part gives a comparison of the use of payment cards and the use of cash in the RC (Sub-chapter 4.2).

#### 4.1 Total card-based payment transactions

This sub-chapter presents statistical data on national and international card-based payment transactions executed by issuers' payment cards.

In 2015, 26 credit institutions and 2 electronic money institutions were recorded; they issue payment cards in the RC, and their users executed a total of 366.22 million of card-based payment transactions with a total value of HRK 132,611.32 million (Figure 8). In 2015, the number of total card-based payment transactions increased by 7%, and their value increased by 4% from 2014. The average monthly number of card-based payment transactions stood at 30.5 million, and the average monthly value of transactions at HRK 11,050.9 million.

On average, seven card-based payment transactions were executed monthly per used payment card issued in the RC, worth a total of HRK 2,539.

#### 4.1.1 National card-based payment transactions

This sub-chapter presents statistical data on national card-based payment transactions executed by an issuer's payment cards.

National card-based payment transactions include:

- payment transactions of the purchases of goods and services using a payment card;
- payment transactions of cash withdrawals using a payment card;
- payment transactions of cash deposits using a payment card;
- standing orders and direct debits charged through a payment card; and
- fees, membership fees, commissions, interests and similar, charged from an issuer through a payment card.

A total of 350.92 million national card-based payment transactions worth a total of HRK 125,251.27 million were executed in the RC in 2015. In 2015, the total number of national card-based payment transactions increased by 7%, and their value increased by 5% from 2014.

Of all national card-based payment transactions, 241.16 million transactions, or 69%, were executed using debit cards, worth a total of HRK 98,794.84 million or 79% (Table 8). In 2015, the total number of national payment transactions executed using debit cards increased by 8%, and the value increased by 7% from 2014.

Table 8 Number and value of national card-based payment transactions by type of payment card in HRK

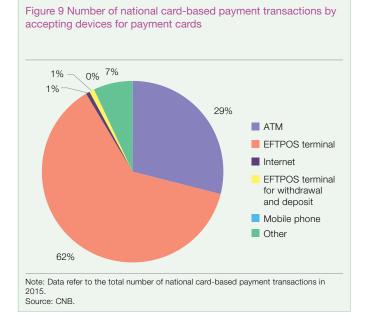
Type of payment card	Purchases of goods and services	Cash withdrawals	Cash deposits	Contractual debit	Total
Number of transactions					
Debit payment card	141,957,037	96,187,053	3,020,604	_	241,164,694
Credit payment card	79,835,769	5,387,927	7,671	24,519,524	109,750,891
Total	221,792,806	101,574,980	3,028,275	24,519,524	350,915,585
Value of transactions					
Debit payment card	24,562,037,444	67,726,057,081	6,506,750,252	-	98,794,844,777
Credit payment card	20,207,571,097	5,173,146,573	9,286,930	1,066,416,539	26,456,421,139
Total	44,769,608,541	72,899,203,654	6,516,037,182	1,066,416,539	125,251,265,916
Average value of transaction					
Debit payment card	173	704	2,154	_	410
Credit payment card	253	960	1,211	43	241
Total	202	718	2,152	43	357

Note: Data refer to the total number and value of national card-based payment transactions in 2015. Source: CNB. Of the total number of national card-based payment transactions, 109.75 million transactions, or 31%, were executed using credit cards, worth a total of HRK 26,456.42 million or 21% (Table 8). In 2015, the total number of national payment transactions executed using credit cards increased by 7% from 2014, while the value of transactions remained at the same level.

### National card-based payment transactions by accepting devices for payment cards

Of the total number of national card-based payment transactions in 2015, broken down by accepting devices for payment cards, the following were executed:

- through ATMs: 101.66 million card-based payment transactions worth a total of HRK 74,325.93 million;
- through EFTPOS terminals: 219.21 million card-based payment transactions worth a total of HRK 44,256.99 million;
- through the Internet: 2.43 million card-based payment



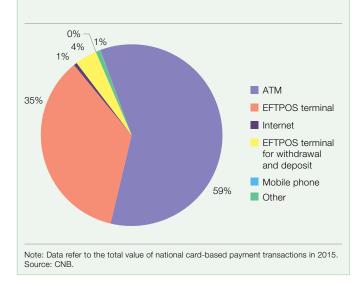
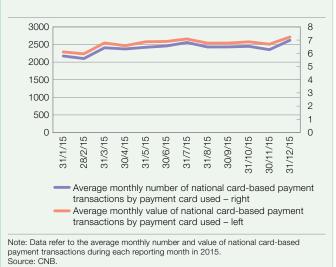


Figure 10 Value of national card-based payment transactions by accepting devices for payment cards

Figure 11 Average monthly number and value of national cardbased payment transactions by payment card used in HRK



transactions worth a total of HRK 715.70 million;

- through EFTPOS terminals for withdrawal and deposit: 3.08 million card-based payment transactions worth a total of HRK 4,885.39 million;
- by mobile telephone: 0.01 million card-based payment transactions with a total value of HRK 0.84 million; and
- other: covers 24.52 million direct debit, standing order, fee, interest and commission transactions, worth a total of HRK 1,066.42 million.

It is evident from the data shown that 62% of national card-based payment transactions were executed through EFTPOS terminals, and 29% through ATMs (Figure 9). The value of transactions, however, shows an inverse ratio: in terms of the total value of national card-based payment transactions, ATM transactions accounted for 59% and EFTPOS terminals 35% (Figure 10).

Per one payment card used in the RC, on average 6.7 national card-based payment transactions were executed monthly, worth a total of HRK 2,398 (Figure 11).

#### Purchases of goods and services

The term 'purchases of goods and services' includes all cardbased payment transactions for the purchases of goods and services executed using the issuer's payment card through EFTPOS terminals, the Internet, mobile phone and through ATMs.

A total of 221.8 million national card-based payment transactions of the purchases of goods and services, worth a total of HRK 44,769.6 million, were executed in 2015. Of this number, 141.9 million national card-based payment transactions (64%) were executed using debit cards, worth a total of HRK 24,562.04 million or 55%. The remaining 79.8 million (36%) national cardbased payment transactions of the purchases of goods and services, worth a total of HRK 20,207.6 million (45%) were made using credit cards.

Table 9 Number and value of national card-based payment transactions of purchases of goods and services by functio
in HRK

of goods and services	Value of transactions of purchases of goods and services	Average value of the transaction of purchase of goods or services
139,079,709	22,564,163,130	162
42,050,699	7,701,908,294	183
5 7,324,922	8,120,580,465	1,109
21,491,466	4,181,873,407	195
10,151,125	1,738,175,468	171
1,694,885	462,907,777	273
221,792,806	44,769,608,541	202
	of goods and services 139,079,709 42,050,699 7,324,922 21,491,466 10,151,125 1,694,885	of goods and services         goods and services           139,079,709         22,564,163,130           42,050,699         7,701,908,294           7,324,922         8,120,580,465           21,491,466         4,181,873,407           10,151,125         1,738,175,468           1,694,885         462,907,777

Note: Data refer to the total number and value of national card-based payment transactions of purchases of goods and services in 2015. Source: CNB.

In 2015, the total number of national payment transactions of the purchases of goods and services increased by 8%, and the total value increased by 6% from 2014.

In 2015, the average value of a national card-based payment transaction of the purchase of goods or services stood at HRK 202. The average value of a national card-based payment transaction of the purchase of goods or services in which a debit card was used stood at HRK 173, and in which a credit card was used stood at HRK 253 (Table 8).

Of the above 221.8 million national card-based payment transactions, a total of 210.51 million transactions were executed using consumer payment cards, worth a total of HRK 39,636.85 million. Accordingly, 95% of the number and 89% of the value of national card-based payment transactions of the purchases of goods and services were executed using consumer payment cards.

The average value of a national card-based payment transaction of the purchase of goods or services in which a consumer payment card was used stood at HRK 187, while the average for a similar transaction in which a payment card of a business entity (non-consumer) was used was HRK 455.

Card-based payment transactions of the purchases of goods and services can be broken down by the function of the payment card used. The cardholder selects the function when initiating the card-based payment transaction through an accepting device for payment cards. We distinguish the following functions:

- debit function coverage on the payment account is ensured for the execution of a card-based payment transaction at the moment of its initiation, and the card-based payment transaction is charged immediately and directly from that cardholder's payment account;
- **charge function** the amount of total expenses incurred through the use of this function is settled in full, in a specified time interval, most frequently by a credit transfer;
- delayed debit function the amount of total expenses incurred through the use of this function is settled in full, in a specified time interval, most frequently by direct debit of the

cardholder's payment account;

- **credit function** every card-based payment transaction initiated using the credit function is automatically divided, at the time of its initiation, into the agreed number of repayment instalments, in other words, according to the agreed model;
- **revolving function** the amount of total expenses incurred through the use of this function is settled, in a specified time interval, in a percentage of the total amount; and
- function of payment in instalments the amount of total expenses incurred through the use of this function is divided to the number of repayment instalments in a specified time interval, according to the choice of the cardholder, within the model agreed at the point of sale.

Of all national card-based payment transactions of the purchases of goods and services, 63% were executed using the debit function. The value of transactions executed by the debit function accounted for 50% of the total value of national card-based payment transactions of the purchases of goods and services. An overview of the number and value of national card-based payment transactions of the purchases of goods and services by function is presented in Table 9.

The largest average value of the national card-based payment transaction of the purchase of goods or services in the amount of HRK 1,109 was recorded for card-based payment transactions using the function of repayment in instalments (Table 9).

#### Cash withdrawals

'Cash withdrawals' covers card-based payment transactions of cash withdrawals executed using the issuer's payment card through an ATM, EFTPOS terminal and EFTPOS terminal for withdrawal and deposit.

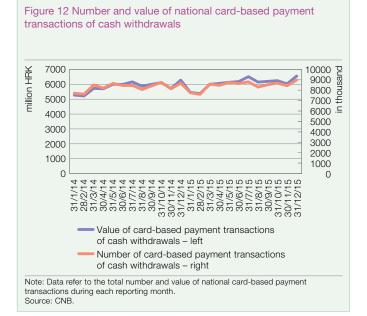
A total of 101.6 million national card-based payment transactions of cash withdrawals, worth a total of HRK 72,899.2 million, were executed in 2015. Debit cards accounted for 96.2 million (95%) executed national card-based payment transactions of cash withdrawals, worth a total of HRK 67,726.1 million (93%; Table 8). Credit cards accounted for 5.4 million (5%) executed national card-based payment transactions of cash withdrawals, worth a total of HRK 5,173.1 million (7%; Table 8).

In 2015, the total number of national card-based payment transactions of cash withdrawals increased by 2%, and their value increased by 4% from 2014 (Figure 12).

Of the total number of national card-based payment transactions, 98.7 million (97%) cash withdrawal transactions using consumer payment cards and 3.2 million (3%) using business entity (non-consumer) payment cards were executed.

Of the total value of national card-based payment transactions, HRK 67,560.8 million (93%) cash withdrawal transactions using consumer payment cards and HRK 5,338.4 million (7%) using business entity (non-consumer) payment cards were executed.

In 2015, the average value of a national card-based payment transaction of a cash withdrawal stood at HRK 718 (with the use of a debit card stood at HRK 704, while that with the use of a credit card was HRK 960).



The average value of a national card-based transaction of a cash withdrawal in which a consumer payment card was used stood at HRK 687, and the corresponding value in which a payment card of a business entity was used (non-consumer) was HRK 1,666.

Of the total number of national card-based payment transactions of cash withdrawals, 95% were executed using the debit function. The value of transactions executed using the debit function accounted for 93% of the total value of national card-based payment transactions of cash withdrawals. An overview of the number and value of national card-based payment transactions of cash withdrawals by function is presented in Table 10.

The largest average value of a national card-based payment transaction of a cash withdrawal in the amount of HRK 1,128 was recorded for card-based payment transactions using the charge function (Table 10).

#### Cash deposits

'Cash deposits' covers card-based payment transactions of cash deposits to the account for payment using the issuer's payment card through ATMs and EFTPOS terminals for withdrawal and deposit, but it does not include the payment transactions of cash deposits into a day/night deposit box.

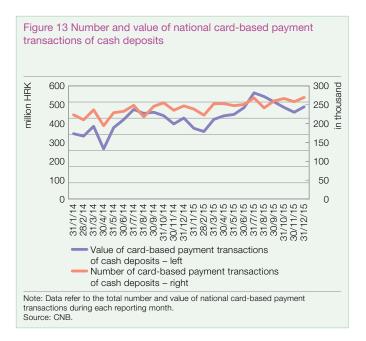
In 2015, a total of 3 million national card-based cash deposit payment transactions, worth a total of HRK 6,516 million were executed, 2.7 million transactions of which, worth a total of HRK 5,381.2 million, were executed through ATMs. Over 99.7% of all national card-based cash deposit payment transactions, in both number and value, were executed with the use of debit cards.

Of the total of 3 million national card-based payment transactions, 2.3 million (76%) cash deposit transactions were executed using consumer payment cards, worth a total of HRK 3,426.4 million, or 53%, while 0.7 million (24%) transactions, worth a total of HRK 3,089.64 million, or 47%, were executed using the payment cards of business entities (non-consumers).

Table 10 Number and value of national card-based payment transactions of cash withdrawals by function in HRK

Number of transactions of cash withdrawals	Value of transactions of cash withdrawals	Average value of the transaction of a cash withdrawal
96,116,974	67,683,921,495	704
1,195,079	1,443,672,250	1,208
70,228	42,286,451	602
2,009,619	2,393,877,830	1,191
1,714,455	912,160,385	532
468,625	423,285,243	903
101,574,980	72,899,203,654	718
	withdrawals 96,116,974 1,195,079 70,228 2,009,619 1,714,455 468,625	withdrawalswithdrawals96,116,97467,683,921,4951,195,0791,443,672,25070,22842,286,4512,009,6192,393,877,8301,714,455912,160,385468,625423,285,243

Source: CNB.



In 2015, the total number of national card-based cash deposit payment transactions increased by 9%, the value having increased by 17% from 2014 (Figure 13).

In 2015, the average value of a national card-based payment transaction of a cash deposit stood at HRK 2,152. The average value of a national card-based payment transaction of a cash deposit in which a debit card was used stood at HRK 2,154, and the average in which a credit card was used was HRK 1,211.

The average value of a national card-based payment transaction of a cash deposit using a consumer payment card stood at HRK 1,487, while that in which a payment card of a business entity (non-consumer) was used was HRK 4,267.

#### Contractual debit

'Contractual debit' includes payment transactions for which collection through a payment card is contracted in advance, initiated by or through the payee; it may have the elements of a standing order or direct debit, including the cardholder's obligations to the issuer, such as fees, commissions, interests, membership fees, etc. The contractual debit may be agreed for all types of payment cards, except debit cards.

A total of 24.5 million transactions of contractual debits, worth a total of HRK 1,066.4 million, were executed in 2015. The largest number of transactions, 22.5 million (92%) of them, worth a total of HRK 795.5 million (75%), were fee, membership fee, interest, commission and similar transactions, which cardholders paid through payment cards to the issuers. The remaining 2 million transactions (8%) are payment transactions of direct debits executed through payment cards, with a total value of HRK 270.9 million (25%).

In 2015, the average value of a contractual debit transaction stood at HRK 43. The average value of interest, fees, membership fees and similar, which cardholders paid through payment cards stood at HRK 35, while the average value of payment transactions of direct debits executed through payment cards stood at HRK 135.

#### Unauthorised use (fraud)

'Unauthorised use' includes all card-based payment transactions in which unauthorised use of a payment card, or fraud, is established.

A total of 8,835 national card-based payment transactions of unauthorised use were established in 2015, worth a total of HRK 5,848,112. In 2015, the average value of a national card-based payment transaction in which unauthorised use was established stood at HRK 662.

#### 4.1.2 International card-based payment transactions

This sub-chapter shows statistical data on international cardbased payment transactions executed using issuers' payment cards.

International card-based payment transactions include:

- payment transactions of the purchases of goods and services using an issuer's payment cards executed outside the RC (in other member states or third countries); and
- payment transactions of cash withdrawals using an issuer's payment cards executed outside the RC (in other member states or third countries).

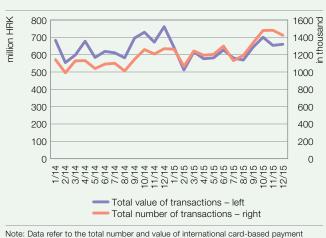
Data on international card-based payment transactions are shown in kuna, i.e. the original currency of the card-based payment transaction is converted to kuna at the CNB's exchange rate on the last day of the reporting period, i.e. the month for which the data are shown.

A total of 15.3 million international card-based payment transactions, worth a total of HRK 7,360.05 million were executed in 2015. The average value of an international card-based payment transaction stood at HRK 481.

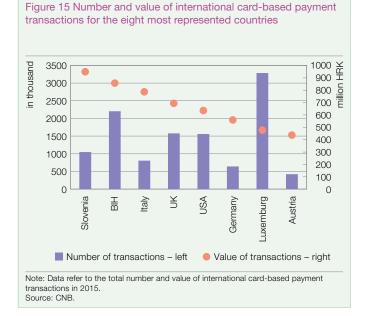
The average monthly number of international card-based payment transactions stood at 1.28 million, and the average monthly value of transactions at HRK 613.34 million. In 2015, the total number of international card-based payment transactions increased by 13% from 2014, while the total value of international card-based payment transactions decreased by 5% in the same period (Figure 14).

Of the total number and value of international card-based payment transactions, 92% of the number and 82% of the value of international card-based payment transactions were executed with the use of consumer cards, while 8% of the number and 18% of the value of international card-based payment transactions were executed with the use of the cards of business entities (non-consumers).





transactions during each reporting month in 2014 and 2015. Source: CNB.



International card-based payment transactions were executed in 131 currencies and 214 countries.

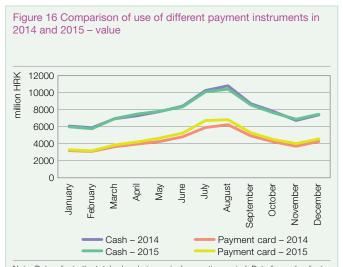
From the received data on international card-based payment transactions broken down by countries it is evident that in the eight most represented countries (Bosnia and Herzegovina, Slovenia, Germany, Italy, the United States, the United Kingdom, Luxembourg and Austria) the total value of card-based payment transactions stood at HRK 5,391.8 million, accounting for 73% of the total value of all international card-based payment transactions (Figure 15).

Figure 15 also shows how the holders of payment cards issued in the RC realised the highest value of card-based payment transactions in Slovenia, then in Bosnia and Herzegovina, Italy, the United Kingdom, the United States, Germany, Luxembourg and Austria.

#### 4.2 Comparison of the use of payment cards and of cash

It can be seen from the data shown that the obligors of fiscalisation<sup>9</sup> issued a total of 2,327 million invoices in 2015, worth a total of HRK 154,571 million. In addition, of the total number of issued invoices, 88.5% of them were paid in cash, and of the total value of issued invoices, 60.42% refers to cash payments.

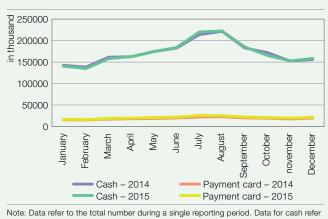
The corrected data for 2014 show that the obligors of fiscalisation issued a total of 2,313 million invoices, worth a total of HRK 152,867 million. In 2015, the total number and value of issued invoices increased by 0.6% and 1% from 2014 respectively.



Note: Data refer to the total value during a single reporting period. Data for cash refer to the total value of issued invoices paid in cash in HRK. Data for payment cards refer to the total value of card-based payment transactions of the purchase of goods or services using Croatian and foreign cards.

Sources: Ministry of Finance of the RC - Tax Administration and CNB.

Figure 17 Comparison of use of different payment instruments in 2014 and 2015 - number



to the total number of issued invoices paid in cash. Data for payment cards refer to the total number of card-based payment transactions of the purchase of goods or services using Croatian and foreign cards. Sources: Ministry of Finance of the RC - Tax Administration and CNB

9 According to the data of the Ministry of Finance - Tax Administration, collected based on the Cash Transaction Fiscalisation Act (Official Gazette 133/2012).

Figures 16 and 17 give a comparative presentation of the number and value of issued invoices paid in cash in the RC and the number and value of card-based payment transactions of the purchase of goods or services executed using the payment cards of Croatian and foreign issuers. The presentation shows that cash was also considerably more represented than payment cards in the number and value of transactions in 2015. However, in 2015, relative to 2014, the value of issued invoices paid in cash declined by 0.7%, while the number of issued invoices paid in cash remained at the same level. In addition, in 2015, relative to 2014, the value and number of card-based payment transactions of the purchase of goods or services executed using the payment cards of Croatian and foreign issuers increased by 7.9% and 9.7% respectively.

The average value of a cash payment transaction in 2015 stood at HRK 45, and the average value of a national card-based payment transaction stood at HRK 228.

### 5 Acquiring of payment cards

This chapter shows statistical data on the number and value of transactions in which payment service providers – acquirers have provided the payment service of acquiring of payment cards through an accepting device for payment cards.

Payment service providers – acquirers (hereinafter referred to as 'acquirers') in the RC include:

- 1. credit institutions (banks) that have obtained authorisation from the CNB, which includes authorisation to provide the payment service of acquiring of payment cards; and
- 2. electronic money institutions<sup>10</sup> that have obtained authorisation from the CNB to provide the payment service of acquiring of payment cards.

An acquirer may acquire a payment card from:

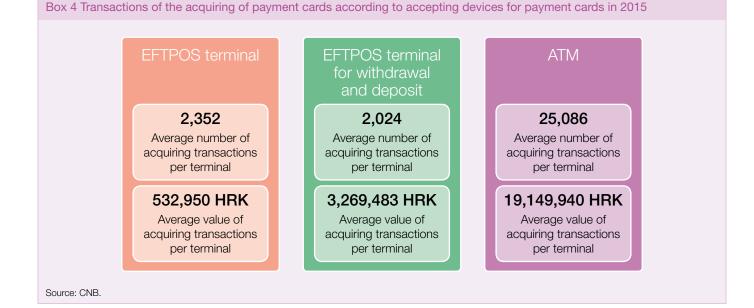
- a payment service provider issuer that has obtained its authorisation or the authorisation for the provision of the service of issuing of payment cards from the CNB (hereinafter referred to as 'a Croatian issuer'); or
- a payment service provider issuer that has obtained its

authorisation or the authorisation for the provision of the service of issuing of payment cards from one of the competent bodies of other EU member states or third countries (hereinafter referred to as 'a foreign issuer').

The acquiring of payment cards of Croatian issuers is divided into the acquiring of payment cards the acquirer itself has issued and the acquiring of payment cards of other Croatian issuers.

The chapter is divided into three parts:

- the first part shows the total number and value of transactions of the acquiring of payment cards of Croatian and foreign issuers (Sub-chapter 5.1);
- the second part shows the total number and value of transactions of the acquiring of payment cards, i.e. own cards and cards of other Croatian issuers (Sub-chapter 5.1.1);
- the third part shows the total number and value of transactions of the acquiring of payment cards of foreign issuers (Sub-chapter 5.1.2).

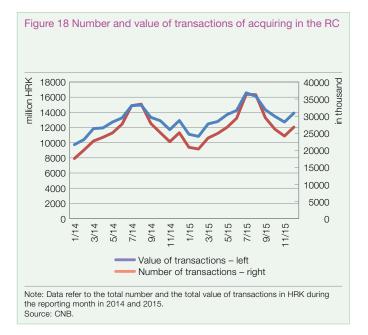


10 Not including data submitted by electronic money institutions that at the same time carry out the activity of telecommunications services.

#### 5.1 Total acquiring of payment cards

This sub-chapter shows statistical data on the total number and value of transactions of the acquiring of payment cards of Croatian and foreign issuers.

In all, 360.52 million payment card acquiring transactions, worth a total of HRK 146,308.23 million, were executed in 2015 (Figure 18). In 2015, the total number of payment card acquiring transactions increased by 7.7%, and their value increased by 6.9% from 2014.



A total of 24.7 million acquiring transactions, worth a total of HRK 9,386.9 million, were recorded in January 2015. During the subsequent months, the number and value of acquiring transactions grew until July, in which they reached the highest level, 36.8 million transactions, worth a total of HRK 16,387.3 million. From August, the number and value of acquiring transactions had a downward trend until December, in which 30.9 million acquiring transactions were recorded, with a total value of HRK 12,056.17 million.

The acquiring service is provided at contractual merchants, i.e. business entities that pursuant to a contract with the acquirer offer the possibility of payment by payment cards through accepting devices for payment cards at their point of sale. On 31 December 2015, a total of 35,647 contractual merchants were recorded, of which 2,169 offer the possibility of payment by payment cards through the Internet at their point of sale. Furthermore, 658 contractual merchants only offer the possibility of payment by payment cards through the Internet, i.e. without the possibility of purchase through the Internet, i.e. without the possibility of purchase through the physical EFTPOS terminal. The above number of contractual merchants is shown independently of the number of acquiring locations the merchant is using. A retail chain is thus recorded as a contractual merchant, regardless of the number of points of sale and accepting devices for payment cards that are used.

Of the total of the above 35,647 contractual merchants, 15,779 or 44% of them have the service of acquiring contracted with only one payment service provider – acquirer, 9,947 (28%) of them have the service of acquiring contracted with two acquirers, and 8,066 (23%) with three acquirers.

The number of contractual merchants of 66,326 for 2014 was shown as the sum of contractual merchants of each individual reporting entity, while the number of contractual merchants for 2015 shows the total number of contractual merchants in the RC. The above number of contractual merchants for 2015 is shown at a total level, independently of the number of contracts with the reporting entities since a contractual merchant may have contracts entered into with a number of reporting entities.

Accepting devices for payment cards through which the acquiring service is provided include the ATM, the EFTPOS terminal, the Internet and the EFTPOS terminal for withdrawal and deposit (Table 11).

Of the total number of acquiring transactions, 30.74% of transactions were acquired through ATMs, 67.49% through EFTPOS terminals, 0.85% through the Internet and 0.92% through EFTPOS terminals for withdrawal and deposit.

Table 11 Number and value of transactions of the acquiring of payment cards by accepting device for payment cards in HRK

Payment service provider – acquirer	ATM	EFTPOS terminal	Internet	EFTPOS terminal for withdrawal and deposit	Other	Total
Number of transactions						
Credit institutions	109,087,141	82,707,257	232,642	3,160,080	-	195,187,120
Electronic money institutions	1,741,159	160,613,931	2,820,123	145,232	17,266	165,337,711
Total	110,828,300	243,321,188	3,052,765	3,305,312	17,266	360,524,831
Value of transactions						
Credit institutions	83,006,949,233	19,268,843,117	117,306,501	4,971,666,764	-	107,364,765,615
Electronic money institutions	1,597,487,592	35,856,296,401	1,063,189,943	367,399,358	59,092,186	38,943,465,480
Total	84,604,436,825	55,125,139,518	1,180,496,444	5,339,066,122	59,092,186	146,308,231,095

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Of the total value of acquiring transactions, 57.83% of transactions were acquired through ATMs, 37.68% through EFTPOS terminals, 0.81% through the Internet, 3.65% through EFTPOS terminals for withdrawal and deposit and 0.04% were other transactions.

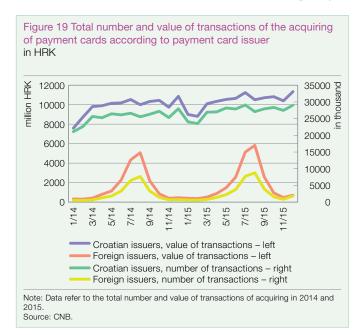
In all, 110.82 million transactions, worth a total of HRK 84,640.44 million, were acquired through ATMs in 2015. Credit institutions participated in the transactions of acquiring payment cards, executed for the purpose of cash withdrawals through ATMs with a share of 98% in the number and value of transactions.

In all, 243.32 million transactions, worth a total of HRK 55,125.14 million, were acquired through EFTPOS terminals in 2015. Electronic money institutions accounted for 65% of the share in the number of transactions and 66% in the value of transactions of the total service of payment card acquiring executed through EFTPOS terminals.

The total number of transactions of the acquiring of payment cards executed through the Internet in 2015 stood at 3.05 million with a total value of HRK 1,180.5 million. Of the total service of the acquiring of payment cards through the Internet, electronic money institutions accounted for a share of 92% in the number of transactions and 90% in the value of transactions.

The average value of a transaction of the acquiring of a payment card stood at HRK 405 in 2015. An overview of acquiring transactions reveals that the largest average value of a transaction, HRK 1,615, was recorded for the acquiring of payment cards executed through EFTPOS terminals for withdrawal and deposit, while the smallest average value of the transaction of acquiring, HRK 227, was recorded for the acquiring of payment cards executed through EFTPOS terminals.

Of the total of 360.52 million transactions of the acquiring of



payment cards executed in 2015, 91% refers to payment cards of Croatian issuers, and 9% to those of foreign issuers. In 2015, of the total HRK 146,308.23 million transactions of the acquiring of payment cards executed, 85% refers to payment cards of Croatian issuers, and 15% to payment cards of foreign issuers (Figure 19). In 2015, the total number of transactions of the acquiring of payment cards of foreign issuers increased by 20%, and their value increased by 18% from 2014.

In 2015, the total number of transactions of the acquiring of payment cards of Croatian issuers increased by 7%, and their value increased by 5% from 2014.

The service of acquiring of payment cards may be provided for:

- the purchase of goods or services using a payment card;
- cash withdrawal and deposit using a payment card.

Of the total number of payment card acquiring transactions, purchases of goods and services accounted for 68.5%, cash withdrawals accounted for 30.6% and cash deposits for 0.9%. In terms of value, a somewhat inverse ratio is seen: of the total value of payment card acquiring transactions, purchases of goods and services accounted for 38.5%, cash withdrawals accounted for 57.1% and cash deposits for 4.4%.

The term 'purchases of goods and services' includes the transactions of the acquiring of payment cards for the purchased goods and services executed through EFTPOS terminals, the Internet and ATMs.

In all, 247.07 million transactions of the acquiring of payment cards for the purchases of goods and services, worth a total of HRK 56,316.53 million (own cards, cards of other Croatian issuers and cards of foreign issuers), were executed in 2015. In 2015, the total number of payment card acquiring transactions for the purchases of goods and services increased by 9.7%, and their value increased by 7.9% from 2014.

'Cash withdrawals' covers payment card acquiring transactions of cash withdrawals executed through an ATM, EFTPOS terminal and EFTPOS terminal for withdrawal and deposit. In 2015, the total number of payment card acquiring transactions of cash withdrawals came to 110.41 million, with a total value of HRK 83,477.18 million, an increase of 3% in the number of transactions and 6% in the value of transactions from 2014.

'Cash deposits' covers payment card acquiring transactions of cash deposits executed through an ATM and EFTPOS terminal for withdrawal and deposit. In 2015, the total number of payment card acquiring transactions of cash deposits came to 3.04 million, with a total value of HRK 6,514.52 million, an increase of 13% in the number of transactions and 17% in the value of transactions from 2014.

#### 5.1.1 Acquiring of payment cards issued in the RC

This chapter shows statistical data on the number and value of the transactions of acquiring of payment cards of Croatian issuers.

The acquiring of payment cards of Croatian issuers is divided into the acquiring of payment cards the acquirer itself has issued (hereinafter referred to as 'own cards') and the acquiring of payment cards of other Croatian issuers (hereinafter referred to as 'other Croatian issuers').

In 2015, a total of 326.5 million transactions of acquiring payment cards of Croatian issuers were executed, worth a total of HRK 124,444.42 million, of which the following were acquired (Figure 20):

- **own cards**: 179.7 million transactions, worth a total of HRK 97,055.39 million; and
- cards of other Croatian issuers: 146.8 million transactions, worth a total of HRK 27,389.03 million.

In 2015, the total number of transactions of acquiring payment cards of Croatian issuers increased by 7%, and the total value increased by 5% from 2014.

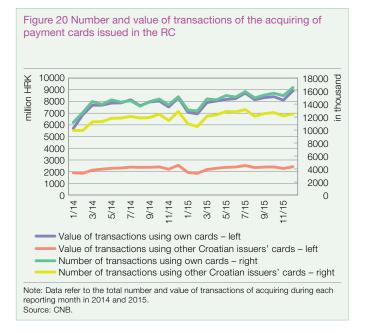


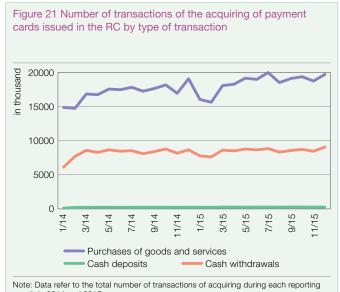
Figure 20 shows the total number and value of transactions of the acquiring of payment cards by issuer at a monthly level in 2015. It is evident that acquirers most frequently acquired their own cards, i.e. the cards they have issued themselves. The largest number of transactions of acquiring of payment cards issued in the RC in 2015 was recorded in July, 29 million, with a total value of HRK 11,243 million.

Of the total number of transactions of acquiring of Croatian issuers' payment cards, 31.36% of transactions were acquired through ATMs, 66.86% through EFTPOS terminals, 0.8% through the Internet and 0.97% through EFTPOS terminals for withdrawal and deposit. If total values of transactions of acquiring of Croatian issuers' payment cards are observed, 60.29% of transactions were acquired through ATMs, 34.99% through EFTPOS terminals, 0.63% through the Internet and 4.05% through EFTPOS terminals for withdrawal and deposit. In 2015, the average value of a transaction of the acquiring of Croatian issuers' payment cards stood at:

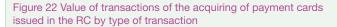
- through EFTPOS terminals: HRK 200;
- through the Internet: HRK 300;
- through ATMs: HRK 733; and
- through EFTPOS terminals for withdrawal and deposit: HRK 1,584.

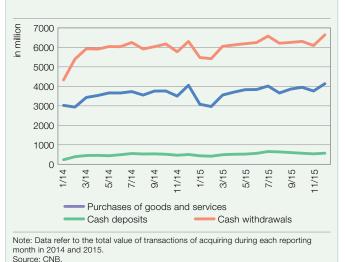
In 2015, the average number of transactions of acquiring of payment cards issued in the RC stood at 27.2 million a month, and the average value of transactions was HRK 10,370 million a month.

From a review of the transactions of acquiring of payment cards



month in 2014 and 2015 Source: CNB.





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according to type of transaction, cash withdrawals were the most represented, accounting in the total value of acquiring transactions for 59%, followed by the purchases of goods and services with 36%, and cash deposits with 5% (Figures 21 and 22).

#### Purchases of goods and services

The term 'purchases of goods and services' includes the transactions of the acquiring of payment cards for the purchased goods and services executed through EFTPOS terminals, the Internet and ATMs.

In 2015, 221.55 million transactions of acquiring of payment cards of Croatian issuers for the purchases of goods and services were recorded, worth a total of HRK 44,339.2 million, executed by payment cards issued in the RC.

Of the total transactions of acquiring of payment cards for the purchases of goods and services, executed using payment cards issued in the RC:

- through EFTPOS terminals: 218.13 million transactions (98.45%) were acquired, worth a total of HRK 43,510.2 million (98.13%);
- through the Internet: 2.6 million transactions (1.18%) were acquired, worth a total of HRK 780.7 million (1.76%); and
- through ATMs: 0.82 million transactions (0.37%) were acquired, worth a total of HRK 48.3 million (0.11%) (most frequently the purchase of phone vouchers, plane tickets, etc.).

The average value of transactions of acquiring of payment cards for the purchases of goods and services executed using payment cards issued in the RC in 2015 stood at:

- through EFTPOS terminals: HRK 199;
- through the Internet: HRK 300; and
- through ATMs: HRK 60.

#### Cash withdrawals

'Cash withdrawals' covers payment card acquiring transactions of cash withdrawals executed through ATMs, EFTPOS terminals and EFTPOS terminals for withdrawal and deposit using a payment card and other means (over the counter, certain applications, etc.).

In all, 101.84 million transactions of acquiring of payment cards of Croatian issuers for cash withdrawals, worth a total of HRK 73,590.7 million, were executed in 2015.

Of all the transactions of acquiring of payment cards for cash withdrawals executed using payment cards issued in the RC:

- through ATMs: 98.8 million transactions (97.02%) were acquired, worth a total of HRK 69,595.6 million (94.57%);
- through EFTPOS terminals for withdrawal and deposit: 2.9 million transactions (2.85%) were acquired, worth a total of HRK 3,903.9 million (5.3%);
- through EFTPOS terminals: 0.1 million transactions (0.11%)

were acquired, worth a total of HRK 32.1 million (0.04%); and

• through other means: 17,265 transactions (0.02%) were acquired, worth a total of HRK 59.1 million (0.09%).

The average value of transactions of acquiring of payment cards for cash withdrawals executed using payment cards issued in the RC in 2015 stood at:

- through ATMs: HRK 704;
- through EFTPOS terminals for withdrawal and deposit: HRK 1,350;
- through EFTPOS terminals: HRK 2,281; and
- other: HRK 3,423.

#### Cash deposits

'Cash deposits' covers payment card acquiring transactions of cash deposits executed through ATMs and EFTPOS terminals for withdrawal and deposit.

A total of 3.04 million transactions of acquiring of payment cards of Croatian issuers for cash deposits, worth a total of HRK 6,514.5 million, were recorded in 2015.

Of all the transactions of acquiring of payment cards for cash deposits executed using payment cards issued in the RC:

- through ATMs: 2.8 million transactions (90.52%) were acquired, worth a total of HRK 5,381.7 million (82.61%); and
- through EFTPOS terminals for withdrawal and deposit: 0.24 million transactions (9.48%) were acquired, worth a total of HRK 1,132.8 million (17.39%).

The average value of transactions of acquiring of payment cards for cash deposits executed using payment cards issued in the RC in 2015 stood at:

- through ATMs: HRK 1,956; and
- through EFTPOS terminals for withdrawal and deposit: HRK 3,932.

#### 5.1.2 Acquiring of payment cards issued abroad

This chapter shows statistical data on the number and value of the transactions of acquiring of payment cards issued outside the RC, i.e. of foreign issuers.

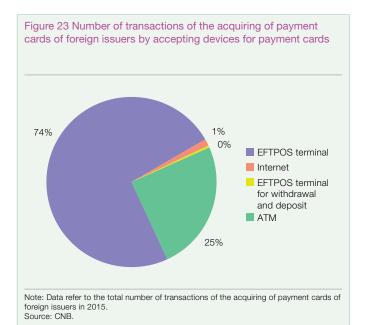
In 2015, 34.1 million transactions of acquiring of payment cards of foreign issuers were executed, worth a total of HRK 21,863.86 million. In 2015, the total number of transactions of acquiring of payment cards of foreign issuers increased by 20%, and their value increased by 18% from 2014.

In the first three months of 2015, the value of acquiring transactions related to payment cards of foreign issuers on average stood at HRK 423.12 million. The upward trend was noticeable until August, when it reached the level of HRK 5,824.2 million, starting to decline in September. In December 2015, the value of the transactions of acquiring of payment cards of foreign issuers stood at HRK 710.47 million, and increased by 58.9% from December 2014.

Also, from an overview of the value of acquiring transactions it is evident that the holders of payment cards issued abroad used both ATMs and EFTPOS terminals equally, with the remark that three times as many acquiring transactions were executed through EFTPOS terminals than through ATMs (Figures 23 and 24).

Of the total transactions of the acquiring of payment cards of foreign issuers in 2015:

- through ATMs: 8.45 million transactions were acquired, worth a total of HRK 9,578.75 million;
- through EFTPOS terminals: 25.08 million transactions were acquired, worth a total of HRK 11,582.88 million;
- through the Internet: 0.45 million transactions were acquired, worth a total of HRK 399.81 million;



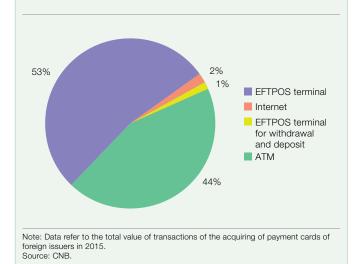


Figure 24 Value of transactions of the acquiring of payment cards of foreign issuers by accepting devices for payment cards in HRK

• through EFTPOS terminals for withdrawal and deposit: 0.13 million transactions were acquired, worth a total of HRK 302.37 million.

In 2015, the acquiring of payment cards of foreign issuers recorded the largest growth in transactions executed through EFT-POS terminals for the purchases of goods and services, i.e. in the number of transactions by 30% and in the value by 24%.

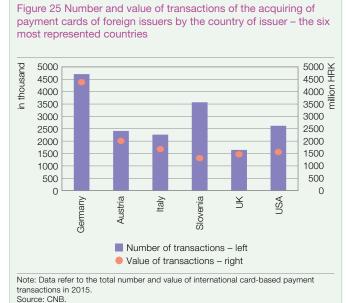
The average value of transactions of the acquiring of payment cards of foreign issuers stood at:

- through EFTPOS terminals: HRK 461.88;
- through the Internet: HRK 894.42;
- through ATMs: HRK 1,133.72; and
- through EFTPOS terminals for withdrawal and deposit: HRK 2,405.93.

In 2015, 25.53 million (55%) transactions of acquiring of payment cards of foreign issuers for the purchases of goods and services were recorded, worth a total of HRK 11,977.38 million (75%), and 8.57 million (45%) transactions of acquiring of payment cards for cash withdrawals, worth a total of HRK 9,886.48 million (25%).

In 2015, acquiring transactions executed with the use of payment cards of foreign issuers were recorded in a total of 186 countries. The acquiring of payment cards issued in the six most represented countries (Germany, Austria, Italy, the United Kingdom, Slovenia and the United States), accounted for 51% in the total number of transactions of the acquiring of payment cards of foreign issuers and for 57% in the total value of transactions of the acquiring of payment cards of foreign issuers.

As can be seen, only one of the six presented countries is a non-EU country, i.e. the United States. In 2015, the total number of acquiring transactions executed using payment cards issued in the United States, stood at 2.6 million, worth a total of HRK



1,560.3 million. In 2015, of the six presented countries, the largest value of transactions of the acquiring of payment was executed by payment cards issued in Germany, standing at HRK 4,378.15 million. In consequence, the largest average value by card transaction in the amount of HRK 929 was generated using German issuers' cards, and the smallest using Slovenian issuers' cards (Figure 25).

### 6 Glossary

- **'Charge card'** means a payment card in which at the moment a payment transaction is initiated, coverage in the payment account is not ensured, payment transactions most often being executed up to an approved credit line (limit). The user settles the expenses incurred by using a card with a charge function within a specified time interval in full at the end of a specified period, most frequently by a credit transfer.
- **'Debit card'** means a payment card issued to payment account holders. The expenses incurred by this card are charged by debiting the payment account, most frequently immediately.
- **'Member state'** means a contracting party to the Agreement on the European Economic Area.
- **'Card payment scheme'** means a set of functions, procedures, rules and devices enabling the holder of a payment card to effect a payment and/or cash withdrawal transaction with a payment service provider.
- 'Card-based payment transaction' means a service based on a payment card's acquiring infrastructure and card scheme business rules to make a payment transaction by means of a debit or a credit card.
- **'Credit card'** means a payment card in which coverage on the payment account is not ensured, the user being approved a credit line (a limit) for the execution of the payment transaction. The payment card user can execute payments up to the amount of the approved credit line (the limit). The amount of each transaction executed with the use of a payment card with a credit function within a specified time interval is automatically divided into the agreed number of repayment instalments according to the agreed model.
- 'Delayed debit card' means the payment card that is most frequently issued to payment account holders. At the moment a payment transaction is initiated, the coverage on the payment account is not ensured, and payment transactions can most often be executed up to an authorised limit. The total expenses incurred with the use of a payment card with a delayed debit function within a specified time interval are settled in full at the end of the specified time interval with the service of direct debit from the payment account.

- 'International payment transaction' means a payment transaction the execution of which involves two payment service providers one of which (of either the payer or the payee) operates in the RC, while the other payment service provider (of either the payer or the payee) operates pursuant to the regulations of a third country or another member state.
- 'National payment transaction' means a payment transaction the execution of which involves a payer's payment service provider and a payee's payment service provider, or only one payment service provider, operating in the RC.
- **'Payment instrument'** means any personalised device and/or set of procedures agreed between a payment service user and a payment service provider and used by the payment service user in order to initiate a payment order.
- 'Payment card' means a payment instrument enabling its holder to make payments for goods and services either through an accepting device for payment cards or remotely, and/or to withdraw cash and/or use other services at an ATM or another self-service device.
- **'Payment service provider'** means the institution defined by Article 5 of the PSA.
- **'Payment service provider issuer'** means the institution that has issued the payment card.
- **'Payment service provider acquirer'** means the institution that ensures the acquiring of the payment card.
- 'Revolving card' means a payment card in which at the moment a payment transaction is initiated the coverage on the payment account is not ensured, and the user is most often granted a revolving credit line (limit) for the execution of the payment transaction. The user pays the amount of expenses incurred by using the card with a revolving function within a specified time interval partially in a determined percentage of the specific spending.
- **'Third country'** means any foreign country that is not a member state.

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HRVATSKA NARODNA BANKA

ISSN 1849-8930 (online)