

# Annual Benchmark Report

Promoting financial inclusion through data and insight

Azerbaijan FY 2017

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www.themix.org

### **Acknowledgement**

MIX is privileged to showcase the results of Fiscal Year 2016 and FY 2017 of Azerbaijan in the form of the "Annual Benchmark Report FY 2017". This report presents the financial and operating data of 18 Financial Service Providers (FSPs) that have reported to MIX Market during FY 2017.

MIX is grateful to all the FSPs that have provided comprehensive data in a timely manner. MIX would not be able to contribute to building transparency in the Financial Inclusion sector without their continued support and effort.



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MIX has taken due care and caution in preparing this report, it has obtained the information from the institutions. Thus MIX relies on the information submitted and does not guarantee the accuracy, adequacy or completeness of any information and is not responsible for any errors in transmission.

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### Introduction

**The Annual Benchmark Report** is one of the primary benchmarking products created by MIX that offers a unique opportunity to analyze **the performance of individual financial service providers (FSPs) and peer groups, and to conduct country comparisons**. As part of our continued efforts to collect and publish high quality data that strengthens the Financial Inclusion sector, builds transparency and further enhances financial inclusion in Azerbaijan, we at MIX have created the "Annual Benchmark Report" for FY 2017.

This report includes **key financial and operational indicators** that provide a country overview, indicator level performance and institutional details. The indicators include a range of performance variables pertaining to outreach, institutional characteristics, financing structure, financial performance, revenue, expenses, efficiency, productivity, risk and liquidity. **The numbers are presented at the aggregate level, peer-group level and individual FSPs level**. The report also compares the FY 2017 performance against the previous fiscal year and provides the growth or decline rate for each of the indicators.

The publication of global industry benchmarks and customized benchmarking services create comparative performance results that the industry and its retail institutions can contextualize FSP performance within relevant peer groups. These benchmarks allow institutions to view relative trends and drivers in their own performance from a comparative perspective.

The benchmarks support the transparency necessary for improved institutional performance and greater access to capital markets for growth. The first section of each of the following pages captures the **overall performance of the FSPs in the country**. Each following section then explores the relative diversified peer comparison by the **legal types in the country and scale of the FSP**.

### **About MIX**

MIX is the leading global data resource for socially responsible investors and businesses focused on inclusive finance. MIX's data platform covers thousands of mission-focused financial service providers in more than 100 developing markets. MIX collects, analyzes, and maintains data on financial services providers. That data is shared both as a public good for the advancement of the industry and on a fee-paid basis for subscribers interested in more detailed market intelligence. MIX helps socially responsible investors who move 10 billion USD annually to monitor their portfolios and increase their investments in underserved sectors and geographies, including agricultural finance and inclusive fintech. Founded in 2002, MIX has data analysts in every region of the world. Learn more at <a href="https://www.themix.org">www.themix.org</a>.

### **Data and Methodology**

- 1. The data and analysis in this report are based on self-reported operational and financial numbers for FY 2016 and FY 2017, for a total of 18 FSPs that submit data to MIX.
- 2. The financial numbers also are verified by the audited financial statements of the FSPs for FY 2016 and FY 2017 and are reclassified based on IFRS Standards.
- 3. The benchmark values have been presented across all the indicators and peer groups based on the average value in each category.
- 4. Balanced data: The growth value or the change in the indicator over the year is calculated based on balanced data, meaning for the FSPs that have reported consistently to MIX for 2016 and 2017 their values have been aggregated to present the percentage change.
- 5. Peer grouping information in based on the legal classifications that are relevant to the context of Azerbaijan Financial Inclusion sector, that are Bank, Credit union/ Coperative, NBFI
- 6. Peer grouping classification is also based on the scale of the FSPs i.e. **small** [GLP size less than USD 5 m], **medium** [GLP size between USD 5 m to 50 m] and **large** [GLP size greater than USD 50 m].
- 7. MIX follows global industry standard definitions and formulae that are used for all analyses in the report. (Refer the glossary for the details of all the definitions and ratios used in the publication)
- 8. 25th and 75th Percentile: The smallest observation that is greater than or equal to the specified percentage of observations. In this report the 25th and 75th percentiles are displayed, to signify the upper and lower bounds of the middle 50% of FSPs' values for each indicator.
- 9. Average and Weighted Average Value (WAV) **Average value** is presented as a line in the "benchmark graphs by peers". **Simple average** is presented when an indicator is an absolute number whereas **weighted average** is presented when the indicator is a ratio.

### **Key Findings**

#### **Overview**

According to the State Statistics Committee, the economy of Azerbaijan grew by 0.1% in 2017. Due to the drop of 3.1% in GDP, the first negative growth in the Azerbaijan economy since 1995, the year 2017 was full of challenges. 1

As the country that relies mostly on the oil sector, the Azerbaijan economy was positively affected by an increase in the average oil prices in the world market. The average oil prices increased from \$44 per barrel in 2016 to \$54 per barrel in 2017, a 22% growth. 2

2017 was the year of reforms and was aimed to recover the market after tough periods between FY 2015-2016. New regulatory bodies and law helped improve the financial market and create a favorable environment for development.

The Statue of the Financial Stability Council was approved to strengthen macroeconomic and financial stability in the country. Some courses of action were to improve the financial system, provide sustainability and expand opportunities to get access to financial services. 3

Considering the currency fluctuations in previous years, it is worth noting that 2017 was the year with a comparatively stable exchange rate.

Despite the fact that the official exchange policy is currently stated as a floating currency regime, the Central Bank of Azerbaijan maintained a tight monetary policy.

#### **Reference Sites:**

- 1. https://www.stat.gov.az/menu/13/
- ${\it 2. https://www.bp.com/en/global/corporate/energy-economics/statistical-review-of-world-energy.html}$
- 3. http://ereforms.org/store//media/ekspert\_yazilari/august\_issue/Maliyyə%20Sabitliyi%20Şurasının%20Əsasnaməsi\_en.pdf

#### **Financial Performance**

According to the data reported by the organizations in Azerbaijan, assets were utilized more effectively in 2017 compared to the previous year. Return on assets (ROA) was still negative; however, it increased from -7.99% last year too -5.65% in 2017. Among peer groups by scale, the large and medium organizations were able to utilize their assets in more effective ways and reported a surge. At the same time, the small organizations reported minor decrease comparing to ROA in the previous year. Despite, **Banks** and **NBFIs** reporting negative ROA, the reported data show better results comparing to the previous year. Further, Credit Union/Cooperative reported a decrease in ROA from 4.29% to 0.32%. FSPs strongly improved the operating self-sufficiency from 58.39% to 85.93%, an increase of 27.55%. Despite the fact that GLP and the number of active borrowers decreased, these organizations could increase operational self-sufficiency by decreasing operating expenses. NBFIs reported an increase from 52.38% to 90.60%. Banks reported a minor decrease while Credit Union/Cooperative dipped rapidly from 167.82% to 34.78%. While analyzing peer groups by scale, the large and small organizations reported a decrease while the medium organizations recorded an increase in operational self-sufficiency.

### **Financing Structure**

FSPs in Azerbaijan use different ways of increasing funds and reserves of the organization. Thereby according to the data reported the financing structure of FSPs changed.

Capital to assets ratio increased by 2.5% and constitutes 9.4% based on the balanced panel for 2017. Among the factors influencing capital to asset ratio, equity increased by 30%.

Based on data reported by FSPs, the relation of debt to equity was used to compare the sources of funds for the organizations in the market. Debt to equity ratio dropped by 33.95% compared to the previous year. Among peer groups by legal status, both **Banks** and **NBFIs**, as well as Credit Union/Cooperative, reported a decline.

One more source of financing was established by the state through the merger of the Azerbaijan mortgage fund and the credit guarantee fund. The main objective of the new organization was to provide the population with long term mortgage loans, attract more foreign and local financial funds. Entrepreneurs also can benefit from the fund by providing guarantee for loans taken from the banks in local currency.

### **Institutional Characteristics**

Financial service providers (FSPs) in Azerbaijan reported an increase of 30.13% in equity, a growth from USD 120 million to USD 157 million. A few lessons were learned from the wave of banks' license revoked in 2016. The existing banks made efforts to survive in the still recovering market. Therefore, in most cases, the change in equity was due to the issuing of new shares by the banks, which increased the authorized capital. You can see from the graphs that FSPs by legal statuses, the increase in equity was reported mostly by **Banks**, following by **NBFIs**. At the same time, Credit Union and Cooperatives reported a slight decrease by the negative amount of USD 1.47 million.

In the year 2017, the number of offices reported by FSPs decreased from 174 to 160, a drop of 8.05%. Most organizations reduced their operational costs by closing their offices. At the same time, the number of loan officers dropped by 30.76%. The existing offices were reallocated by merging with the close branches. Besides, due to the development of online banking, the service number of banks' service decreased. **Reference Site:** https://xezernews.az/?c=news&id=23241

### **Outreach**

FSPs reported a drop of 29% from 223, 000 to 158,000 in the number of active borrowers in 2017. Due to the low quality of the portfolio in the market, most FSPs stopped the lending process and focused on collecting delinquent loans. In addition, microfinance institutions were inclined to responsible finance. A number of financial education projects in the country helped the population to borrow wisely. At the same time, the financial institutions made changes on client selection policy as well. By these changes access to finance became more difficult for individuals as well as for SMEs. Population with particular profession like (teachers, oilmen, doctors those) are considered less risky clients as they have stable income to repay the loan. Based on loan contract, in case of non-performance of loans, the agreed amount of payment could be withdrawn from the employees' salary cards.

Gross loan portfolio (GLP) dropped from USD 1033 million to USD 862 million, a decrease of 16.51% compared to the previous year. Though, the number of active borrowers and GLP decreased, the average loan balance increased by 33.67%. The first reason was that the organizations focused on the existing borrowers with positive credit history and offered extra loans to them. The second reason was that the loans were mostly given to SMEs in bigger amount rather than to individuals which are considered as more risky clients.

### Reference Sites:

- 1. qafqazinfo.az/news/detail/banklar-muster-qitliginda-203719.html
- 2. https://sputnik.az/life/20170721/411174418/banklarin-verdiyi-kreditlerin-hecminiye-azalib.html https://sputnik.az/economy/20170809/411394859/banklarin-verdiyi-kreditlerin-hecminiye-azalib.html

### **Risk and Liquidity**

Non-performing loans can be defined as the main challenge for the sector in Azerbaijan. The market still has the impact of devaluation which happened in 2015 and loans issued at that time in USD turned into non-performing loans after the local currency weakened. Thus, at the moment organizations have a high proportion of risky and restructured portfolio.

This year, in Azerbaijan, the first private Credit Bureau was established, which will help to reduce credit risk, improve financial inclusion, and reduce information gaps between financial service providers and clients.

There is some improvement, PAR 30 decreased from 53.24% to 48.66%, a drop of 4.58%. While observing by legal status, all peer groups Banks, Credit Union/Cooperatives, NBFIs reported an increase in PAR 30. Coming to peer groups by scale, small organizations reported a decrease in the risky portfolio, while the quality of the portfolio in large and medium organizations got worse compared to the previous year. FSPs in Azerbaijan reported a decrease in a write off ratio from 5.31% to 3.48% a drop of 1.83%. However, the pictures change while analyzing organizations among peer groups by legal status. NBFIs reported an increase in a write off ratio from 4.22% to 17.42%, while banks reported a minor decrease from 2.37% to 1.93%.

Benchmark Indicat	FY 2016	FY 2017
Number of FSPs	18	18
ALB per borrower (USD) (WAV)	2,563.06	4,369.36
Administrative expense/assets (WAV)	2.16%	1.94%
Assets (USD) m	1,962.87	1,726.06
Borrowers per loan officer (WAV)	264.54	184.42
Borrowers per staff member (WAV)	66.84	42.85
Capital/assets (WAV)	1.83%	9.69%
Cost per borrower (USD) (WAV)	263.37	304.69
Debt to equity (WAV)	53.83	9.32
Equity (USD) m	35.81	167.34
Financial expense/assets (WAV)	4.70%	3.70%
Financial revenue / assets (WAV)	10.04%	4.43%
Gross Loan Portfolio (USD) m	1,233.51	910.49
Loan loss rate (WAV)	2.48%	1.13%
Loan officers	949	958
Number of active borrowers '000	371.07	208.38
Offices	257	198
Operating expense/assets (WAV)	4.52%	4.10%
Operational self sufficiency (WAV)	52.39%	50.23%
Personnel	5,024	4,863
Personnel allocation ratio (WAV)	18.89%	19.70%
Personnel expense/assets (WAV)	2.36%	2.16%
Portfolio at risk > 30 days (WAV)	30.82%	44.08%
Portfolio at risk > 90 days (WAV)	28.74%	43.20%
Profit margin (WAV)	-89.71%	-14.25%
Provision for loan impairment/assets (WAV)	9.94%	1.18%
Return on assets (WAV)	-8.84%	-1.50%
Return on equity (WAV)	-85.74%	-15.33%
Risk coverage (WAV)	41.92%	43.25%
Total expense / assets (WAV)	19.17%	8.99%
Write-off ratio (WAV)	2.63%	3.26%
Yield on gross loan portfolio (WAV)	18.86%	12.10%

Notes: (i) m = Millions (ii) WAV = Weighted average value

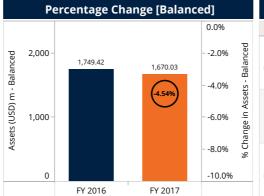
# Institutional Characteristic

### **Assets**

Total Assets (USD) m

1,726.06

reported as of FY 2017

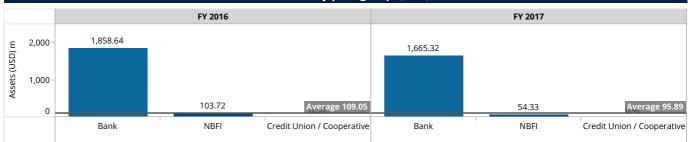


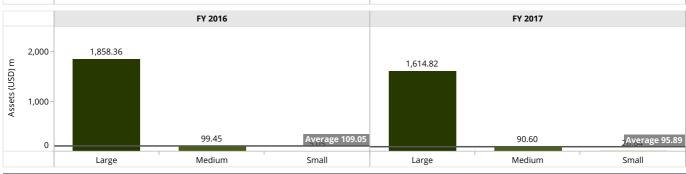
Percentiles and Median							
	FY 2016	FY 2017					
Percentile (25) of Assets (USD) m	3.01	2.37					
Median Assets (USD) m	11.02	5.35					
Percentile (75) of Assets (USD) m	157.26	41.56					

Benchmark by legal status									
	FY 2	2016	FY 2017						
Legal Status	FSP count	Assets (USD) m	FSP count	Assets (USD) m					
Bank	6	1,858.64	6	1,665.32					
Credit Union / Co	1	0.50	2	6.42					
NBFI	11	103.72	10	54.33					
Total	18	1,962.87	18	1,726.06					

Benchmark by scale									
	FY 2016			2017					
Scale	FSP count	Assets (USD) m	FSP count	Assets (USD) m					
Large	5	1,858.36	4	1,614.82					
Medium	8	99.45	7	90.60					
Small	5	5.05	7	20.64					
Total	18	1,962.87	18	1,726.06					

### Benchmark by peer group (USD) m





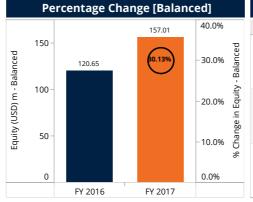
	Top Ten Institutions by Indicator (USD) m and Year on Year Change (%)																			
	Acce	ssBank		nk ıblika		abank ISC	Turar	Bank	FINC	A - AZE	твс н	Credit	Emba	finans		Bulak paijan		Aqro CO	Via	ator
40.0% –	-					39.43%						6.27%		6.26%						
- %0.04 - 8.004		-11.82%		-17.21%				-4.45%								-31.05%		-51.69%		-43.529
% -80.0% − 										-83.91%										
600 - E	564.22	497.55	496.07	440.67		427.79														
Assets (USD) m - 000 - 000				410.67	306.81	127.73	291.81	278.81												
Assets	-																			
0									30.66	4.93	14.55	15.46	12.20	12.96	9.84	6.79	8.55	4.13	5.46	3.08
	FY 2016	FY 2017	FY 2016	FY 2017	FY 2016	FY 2017	FY 2016	FY 2017	FY 2016	FY 2017	FY 2016	FY 2017	FY 2016	FY 2017	FY 2016	FY 2017	FY 2016	FY 2017	FY 2016	FY 20

### **Equity**

Total Equity (USD) m

167.34

reported as of FY 2017



Percentiles and Median								
	FY 2016	FY 2017						
Percentile (25) of Equity (USD) m	0.41	0.20						
Median Equity (USD) m	0.52	0.57						
Percentile (75) of Equity (USD) m	6.65	11.11						

FY 2017

4

7

7

18

Equity (USD) m

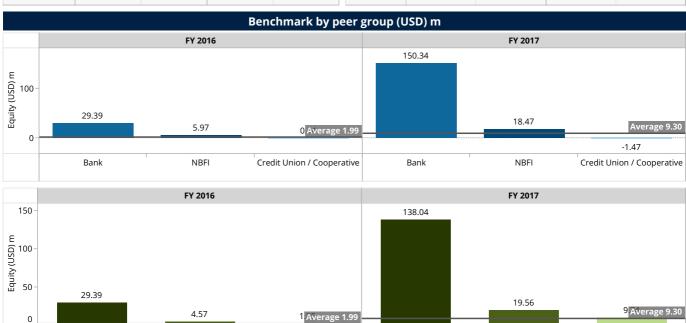
138.04

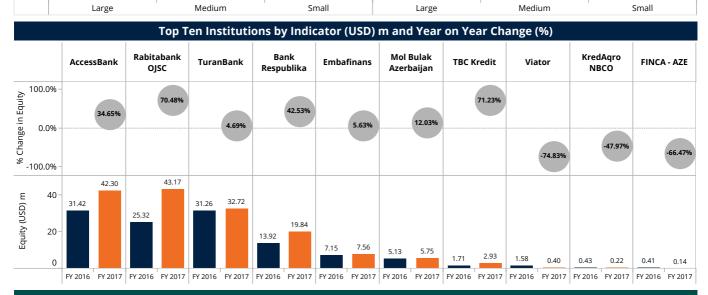
19.56

9.74

167.34

	ark by legal		Ве	nchmark by s	scale			
	FY 2	2016	FY 2	FY 2017		FY 2	FY	
Legal Status	FSP count	Equity (USD) m	FSP count	Equity (USD) m	Scale	FSP count	Equity (USD) m	FSP count
Bank	6	29.39	6	150.34	Large	5	29.39	
Credit Union / C	1	0.44	2	-1.47	Medium	8	4.57	
NBFI	11	5.97	10	18.47	Small	5	1.85	
Total	18	35.81	18	167.34	Total	18	35.81	1

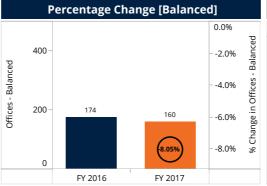




# Offices

**Total Offices** 

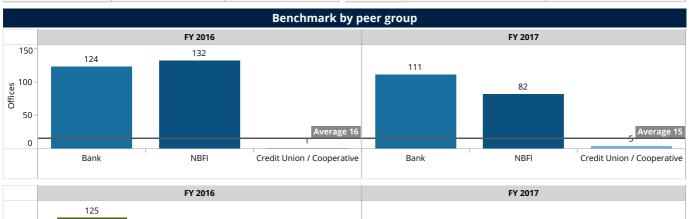
198

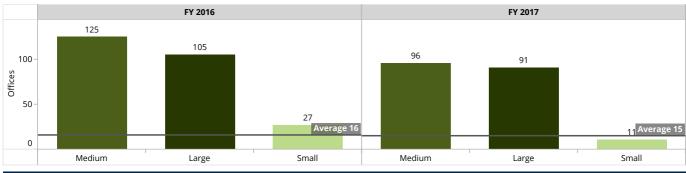


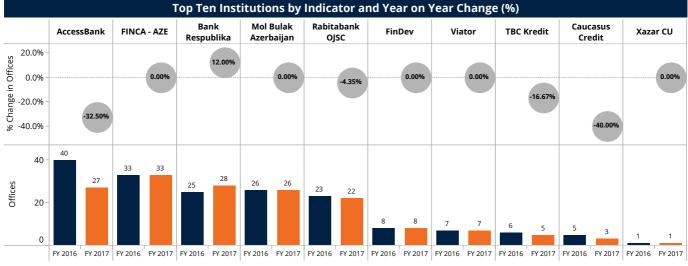
Percentiles and Median								
	FY 2016	FY 2017						
Percentile (25) of Offices	6	5						
Median Offices	15	14						
Percentile (75) of Offices	25	26						

Benchmark by legal status								
	FY 2	016	FY 2	2017				
Legal Status	FSP count	Offices	FSP count	Offices				
Bank	6	124	6	111				
Credit Union / Cooperative	1	1	2	5				
NBFI	11	132	10	82				
Total	18	257	18	198				

Benchmark by scale								
	FY 2	016	16 FY 2017					
Scale	FSP count	Offices	FSP count	Offices				
Large	5	105	4	91				
Medium	8	125	7	96				
Small	5	27	7	11				
Total	18	257	18	198				



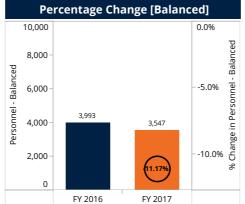




### **Personnel**

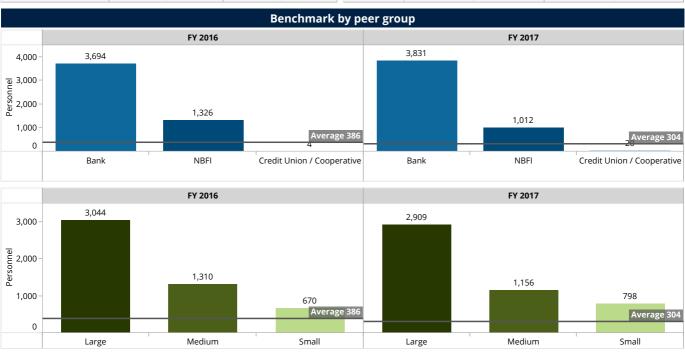
**Total Personnel** 

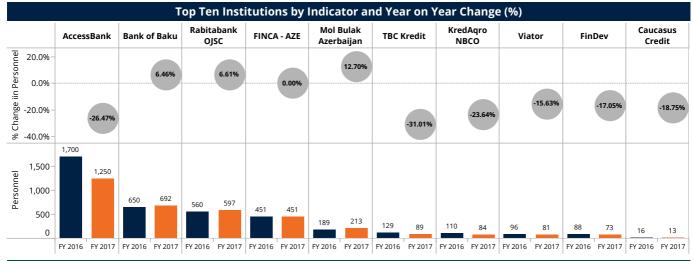
4,863



Percentiles and Median								
	FY 2016	FY 2017						
Percentile (25) of Personnel	96	59						
Median Personnel	189	151						
Percentile (75) of Personnel	560	488						

Benchmark by legal status						Benchmark by scale			
	FY 2	2016	FY 2	2017		FY 2	2016	FY 2	2017
Legal Status	FSP count	Personnel	FSP count	Personnel	Scale	FSP count	Personnel	FSP count	Personnel
Bank	6	3,694	6	3,831	Large	5	3,044	4	2,909
Credit Union / Cooperative	1	4	2	20	Medium	8	1,310	7	1,156
NBFI	11	1,326	10	1,012	Small	5	670	7	798
Total	18	5,024	18	4,863	Total	18	5,024	18	4,863

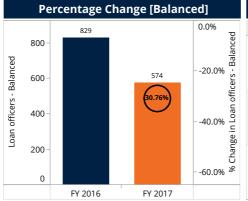




## **Loan Officers**

**Total Loan Officers** 

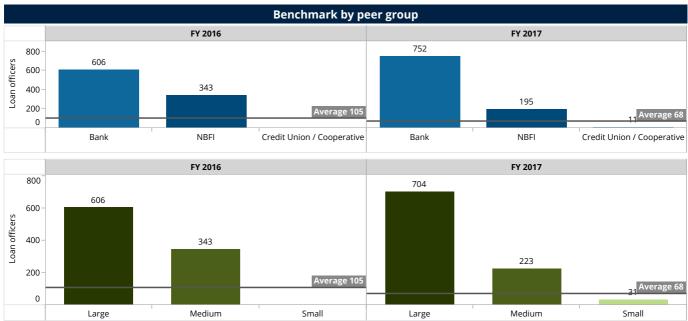
958

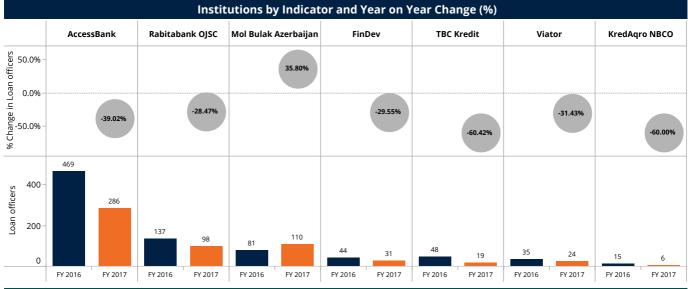


Percentiles and Median							
	FY 2016	FY 2017					
Percentile (25) of Loan officers	44	7					
Median Loan officers	52	28					
Percentile (75) of Loan officers	81	96					

Benchmark by legal status								
	FY 2	016	FY 2	017				
Legal Status	FSP count	Loan officers	FSP count	Loan officers				
Bank	6.0	606	6.0	752				
Credit Union / Cooperati	1.0		2.0	11				
NBFI	11.0	343	10.0	195				
Total	18.0	949	18.0	958				

Benchmark by scale							
	FY 2	016	FY 2017				
Scale	FSP count	Loan officers	FSP count	Loan officers			
Large	5.0	606	4.0	704			
Medium	8.0	343	7.0	223			
Small	5.0		7.0	31			
Total	18.0	949	18.0	958			





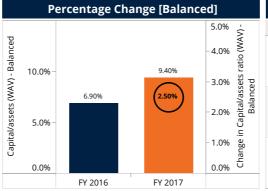
# Financing Structure

# **Capital to assets**

Capital/Asset Ratio (WAV) aggregated to

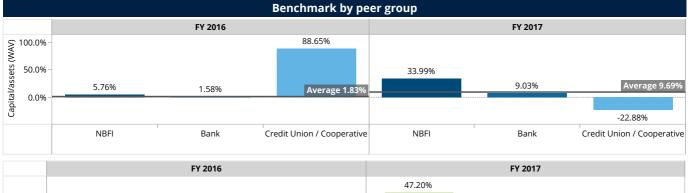
9.69%

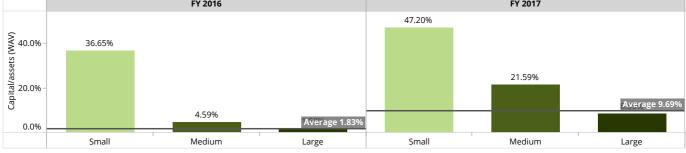
reported as of FY 2017

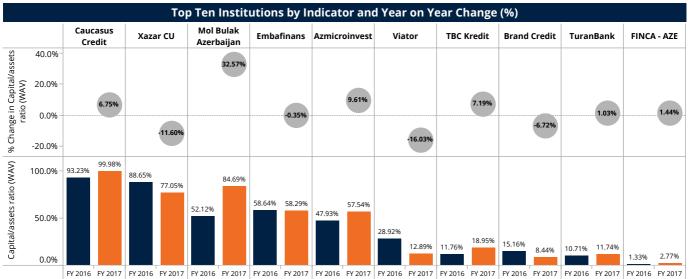


Percentiles and Median						
	FY 2016	FY 2017				
Percentile (25) of Capital /asset ratio	3.37%	5.52%				
Median Capital /asset ratio	10.92%	10.92%				
Percentile (75) of Capital /asset ratio	43.18%	49.27%				

Ве	Benchmark by scale									
	FY :	2016	FY 2	2017		FY :	2016	FY 2017		
Legal Status	FSP count	Capital/ assets (WAV)	FSP count	Capital/ assets (WAV)	Scale	FSP count	Capital/assets (WAV)	FSP count	Capital/assets (WAV)	
Bank	6	1.58%	6	9.03%	Large	5	1.58%	4	8.55%	
Credit Union / Cooperative	1	88.65%	2	-22.88%	Medium	8	4.59%	7	21.59%	
NBFI	11	5.76%	10	33.99%	Small	5	36.65%	7	47.20%	
Aggregated	18	1.83%	18	9.69%	Aggregated	18	1.83%	18	9.69%	



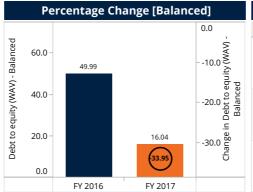




# Debt to equity

Debt/Equity Ratio (WAV) aggregated to

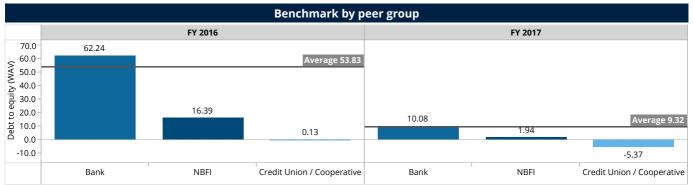
9.32

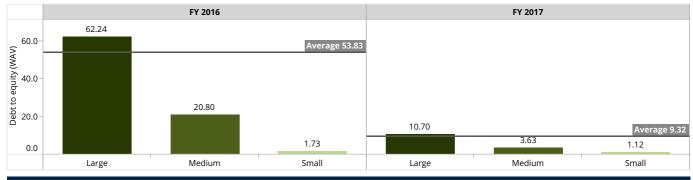


Percentiles and Median							
	FY 2017						
Percentile (25) of Debt to equity ratio	0.76	0.73					
Median Debt to equity ratio	6.55	7.14					
Percentile (75) of Debt to equity ratio	15.50	14.96					

Benchmark by legal status								
	FY 2	2016	FY 2	2017				
Legal Status	FSP count	Debt to equity (WAV)	FSP count	Debt to equity (WAV)				
Bank	6	62.24	6	10.08				
Credit Union / Cooperati	1	0.13	2	-5.37				
NBFI	11	16.39	10	1.94				
Aggregated	18	53.83	18	9.32				

Benchmark by scale								
	FY 2	016	FY 2017					
Scale	FSP count	Debt to equity (WAV)	FSP count	Debt to equity (WAV)				
Large	5	62.24	4	10.70				
Medium	8	20.80	7	3.63				
Small	5	1.73	7	1.12				
Aggregated	18	53.83	18	9.32				





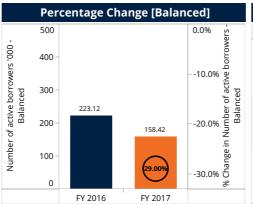
Top Ten Institutions by Indicator and Year on Year Change (%)																				
	Bank o	f Baku	FINCA	A - AZE	Ba Respu	nk ıblika		Aqro CO	Acces	sBank		abank SC	Finl	Dev	Turar	nBank	Brand	Credit	твс н	(red
0-						-14.94		-1.42		-6.20		-2.21		8.34		-0.82		5.26		-3.
-50 - -100 -				-39.08		14.24														
-100		-113.20																		
160-	145.80																			
120-																				
- 80 -			74.15																	
40-		32.60		35.07	34.64	19.70	18.82	17.40	16.96	10.76	11.12	8.91	7.99	16.33	8.34	7.52	5.59	10.85	7.50	4
0	FY 2016	FY 2017	FY 2016	FY 2017	FY 2016	FY 2017	FY 2016	FY 2017	FY 2016	FY 2017	FY 2016	FY 2017	FY 2016	FY 2017	FY 2016	FY 2017		FY 2017	FY 2016	_

# **Outreach**

# **Number of active borrowers**

Total Number of Active Borrowers '000

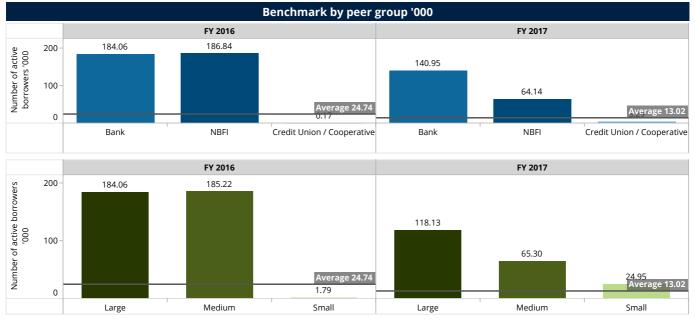
208.38

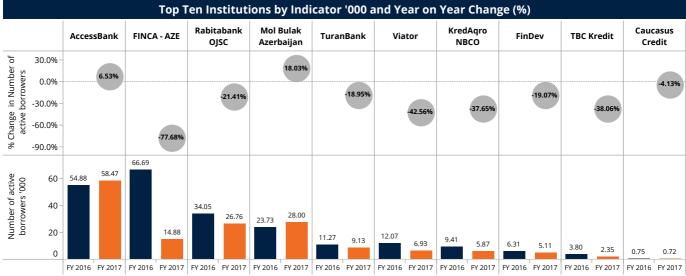


Percentiles and Median									
FY 2016 FY 20									
Percentile (25) of Number of active borrowers '000	5.06	2.91							
Median Number of active borrowers '000	12.07	6.47							
Percentile (75) of Number of active borrowers '000	37.08	18.56							

Benchmark by legal status								
	FY 2	2016	16 FY 2017					
Legal Status	FSP count	Number of active borrowers '000	FSP count	Number of active borrowers '000				
Bank	6	184.06	6	140.95				
Credit Union /	1	0.17	2	3.29				
NBFI	11	186.84	10	64.14				
Total	18	371.07	18	208.38				

Benchmark by scale								
	FY 2	2016	FY 2017					
Scale	FSP count	Number of active borrowers '000	FSP count	Number of active borrowers '000				
Large	5	184.06	4	118.13				
Medium	8	185.22	7	65.30				
Small	5	1.79	7	24.95				
Total	18	371.07	18	208.38				

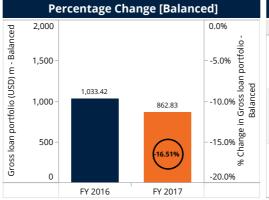




## Gross Loan Portfolio

Total GLP (USD) m

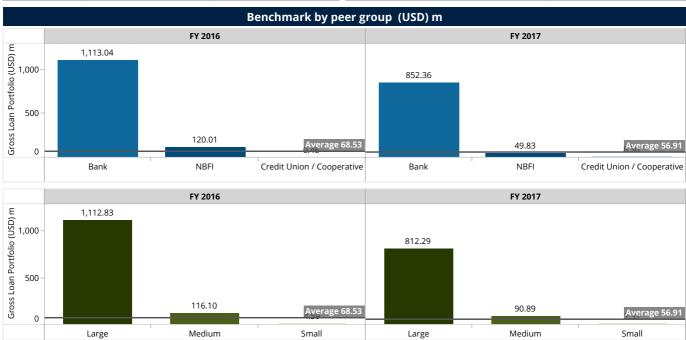
910.49

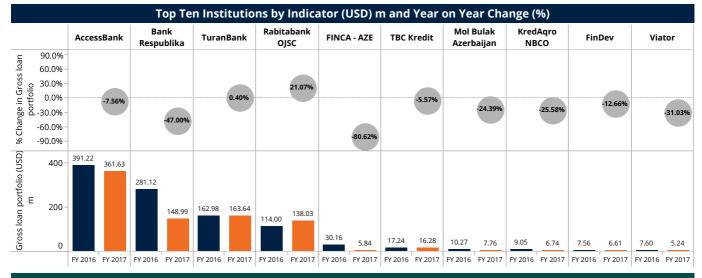


Percentiles and Median							
	FY 2016	FY 2017					
Percentile (25) of Gross Loan Portfolio (USD) m	3.67	4.16					
Median Gross Loan Portfolio (USD) m	9.66	7.25					
Percentile (75) of Gross Loan Portfolio (USD) m	93.04	64.41					

Benchmark by legal status							
	FY 2	016	FY 2	017			
Legal Status	FSP count	Gross Loan Portfolio (USD) m	FSP count	Gross Loan Portfolio (USD) m			
Bank	6	1,113.04	6	852.36			
Credit Union / Coo	1	0.46	2	8.30			
NBFI	11	120.01	10	49.83			
Total	18	1,233.51	18	910.49			

Benchmark by scale								
	FY 2	2016	FY 2017					
Scale	FSP count	Gross Loan Portfolio (USD) m	FSP count	Gross Loan Portfolio (USD) m				
Large	5	1,112.83	4	812.29				
Medium	8	116.10	7	90.89				
Small	5	4.59	7	7.31				
Total	18	1,233.51	18	910.49				

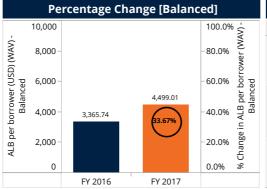




## Average loan balance (ALB) per borrower

Total ALB per Borrower (USD) (WAV)

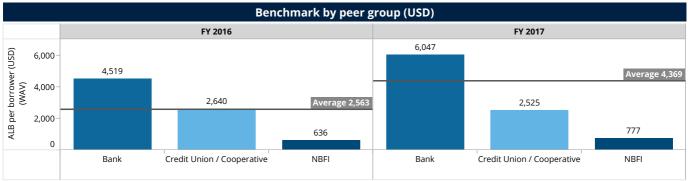
4,369.36

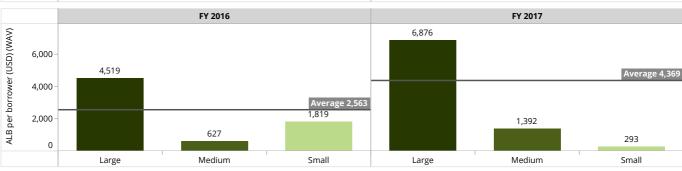


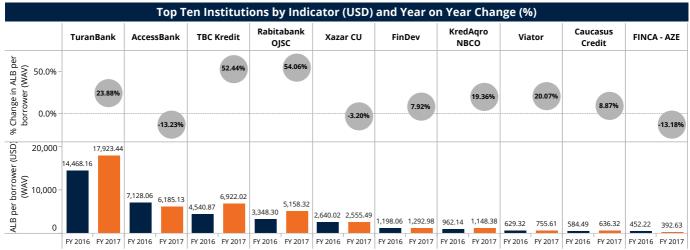
Percentiles and Median								
FY 2016 FY 20								
Percentile (25) of ALB per borrower (USD)	606.91	725.79						
Median ALB per borrower (USD)	1,198.06	2,539.34						
Percentile (75) of ALB per borrower (USD)	3,034.80	6,205.77						

Benchmark by legal status							
	FY 2	016	FY 2	017			
Legal Status	FSP count	ALB per borrower (USD) (WAV)	FSP count	ALB per borrower (USD) (WAV)			
Bank	6	4,518.80	6	6,047.31			
Credit Union / Cooperative	1	2,640.02	2	2,525.11			
NBFI	11	636.39	10	776.80			
Total	18	2,563.06	18	4,369.36			

Benchmark by scale								
	FY 2	016	FY 2	FY 2017				
Scale	FSP count	ALB per borrower (USD) (WAV)	FSP count	ALB per borrower (USD) (WAV)				
Large	5	4,518.80	4	6,876.40				
Medium	8	626.81	7	1,391.90				
Small	5	1,818.96	7	292.96				
Total	18	2,563.06	18	4,369.36				





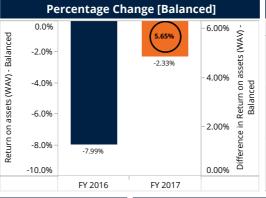


# Financial Performance

### **Return on assets**

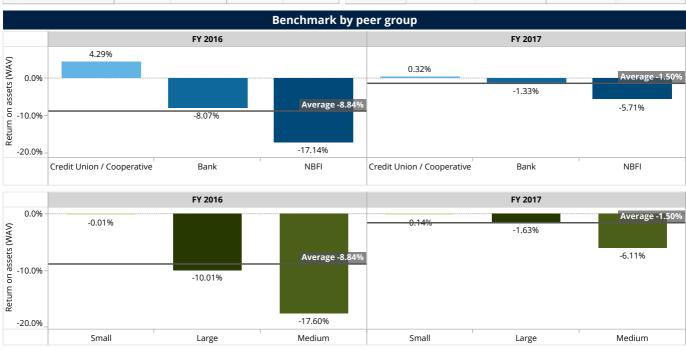
Return on Assets (WAV) aggregated to

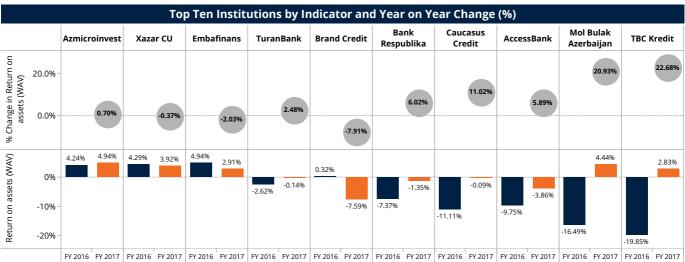
-1.50%



Percentiles and Median							
	FY 2016	FY 2017					
Percentile (25) of Return on assets	-14.90%	-1.35%					
Median Return on assets	-8.56%	0.00%					
Percentile (75) of Return on assets	0.00%	2.91%					

Benchmark by legal status					Benchmark by scale				
	FY 2	2016	FY 2	017		FY 2	2016	FY 2017	
Legal Status	FSP count	Return on assets (WAV)	FSP count	Return on assets (WAV)	Scale	FSP count	Return on assets (WAV)	FSP count	Return on assets (WAV)
Bank	6	-8.07%	6	-1.33%	Large	5	-10.01%	4	-1.63%
Credit Union / Cooperative	1	4.29%	2	0.32%	Medium	8	-17.60%	7	-6.11%
NBFI	11	-17.14%	10	-5.71%	Small	5	-0.01%	7	-0.14%
Aggregated	18	-8.84%	18	-1.50%	Aggregated	18	-8.84%	18	-1.50%

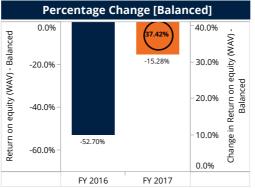




### **Return on equity**

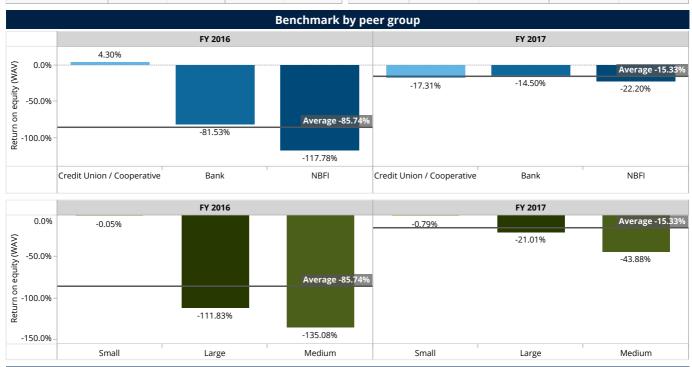
Return on Equity (WAV) aggregated to

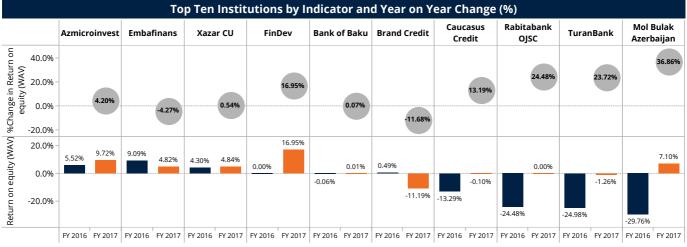
-15.33%



Percentiles and Median								
FY 2016 FY 201								
Percentile (25) of Return on equity	-93.68%	-11.19%						
Median Return on equity	-24.73%	0.00%						
Percentile (75) of Return on equity	0.37%	7.10%						

Benchmark by legal status						Ве	nchmark by	scale	
	FY 2	2016	FY 2	2017		FY 2	2016	FY 2	017
Legal Status	FSP count	Return on equity (WAV)	FSP count	Return on equity (WAV)	Scale	FSP count	Return on equity (WAV)	FSP count	Return on equity (WAV)
Bank	6	-81.53%	6	-14.50%	Large	5	-111.83%	4	-21.01%
Credit Union / Cooperati	1	4.30%	2	-17.31%	Medium	8	-135.08%	7	-43.88%
NBFI	11	-117.78%	10	-22.20%	Small	5	-0.05%	7	-0.79%
Aggregated	18	-85.74%	18	-15.33%	Aggregated	18	-85.74%	18	-15.33%

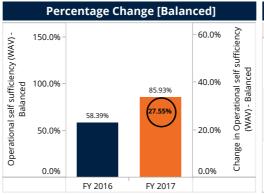




## **Operating self sufficiency (OSS)**

Operational Self Sufficiency (WAV) aggregated to

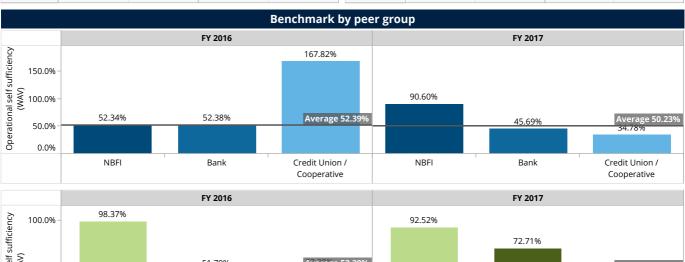
50.23%

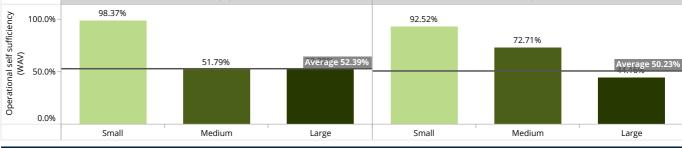


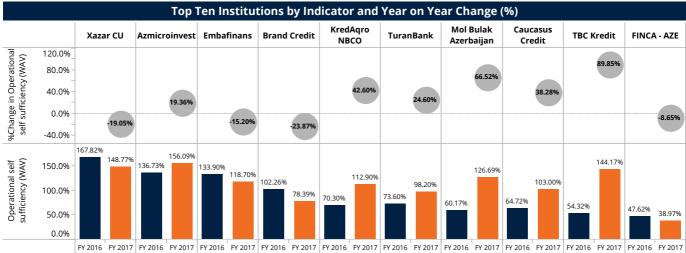
Percentiles and Median							
FY 2016 FY 2							
Percentile (25) of Operational self sufficiency	50.18%	65.58%					
Median Operational self sufficiency	61.52%	100.01%					
Percentile (75) of Operational self sufficiency	76.61%	118.57%					

Benchmark by legal status					
	FY 2	016	FY 2017		
Legal Status	FSP count	Operational self sufficiency (WAV)	FSP count	Operational self sufficiency (WAV)	
Bank	6	52.38%	6	45.69%	
Credit Union	1	167.82%	2	34.78%	
NBFI	11	52.34%	10	90.60%	
Aggregated	18	52.39%	18	50.23%	

	Benchmark by Scale				
	FY 2	.016	FY 2017		
Scale	FSP count	Operational self sufficiency (WAV)	FSP count	Operational self sufficiency (WAV)	
Large	5	52.38%	4	44.16%	
Medium	8	51.79%	7	72.71%	
Small	5	98.37%	7	92.52%	
Aggregated	18	52.39%	18	50.23%	





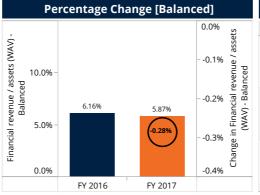


# Revenue & Expenses

### Financial revenue by assets

Financial
Revenue/Assets (WAV)
aggregated to

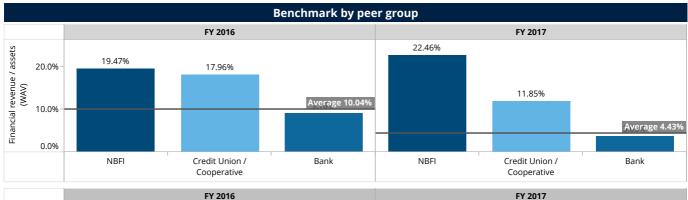
4.43%

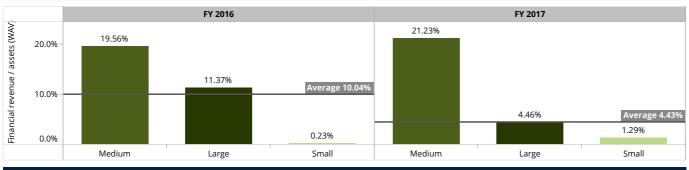


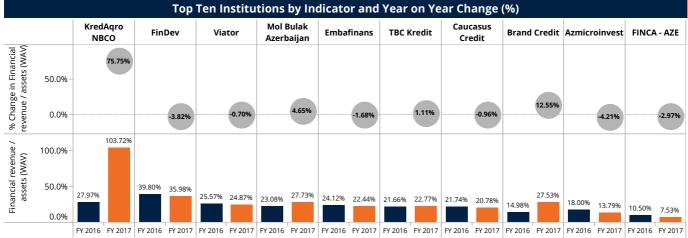
Percentiles and Median					
	FY 2016	FY 2017			
Percentile (25) of Financial revenue / assets	11.52%	6.64%			
Median Financial revenue / assets	19.21%	14.80%			
Percentile (75) of Financial revenue / assets	23.86%	24.87%			

Benchmark by legal status					
	FY 2	2016	FY 2017		
Legal Status	FSP count	Financial revenue / assets (WAV)	FSP count	Financial revenue / assets (WAV)	
Bank	6	9.16%	6	3.63%	
Credit Union / Cooper	1	17.96%	2	11.85%	
NBFI	11	19.47%	10	22.46%	
Aggregated	18	10.04%	18	4.43%	

	Benchmark by scale					
		FY 2	016	FY 2	017	
)	Scale	FSP count	Financial revenue / assets (WAV)	FSP count	Financial revenue / assets (WAV)	
6	Large	5	11.37%	4	4.46%	
ó	Medium	8	19.56%	7	21.23%	
ó	Small	5	0.23%	7	1.29%	
6	Aggregated	18	10.04%	18	4.43%	







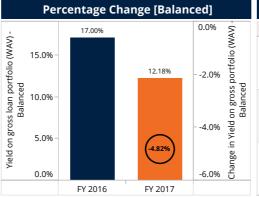
## Yield on gross loan portfolio

**Yield on GLP (WAV)** aggregated to

12.10%

for FY 2017

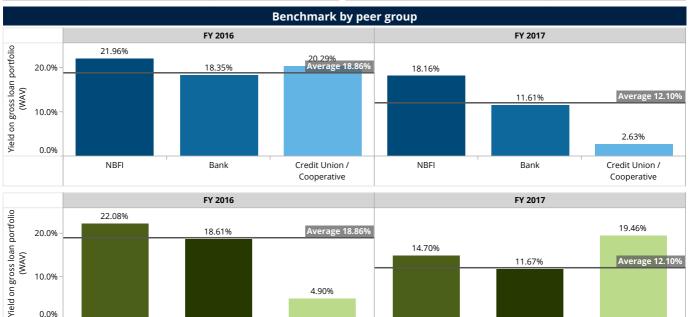
0.0%

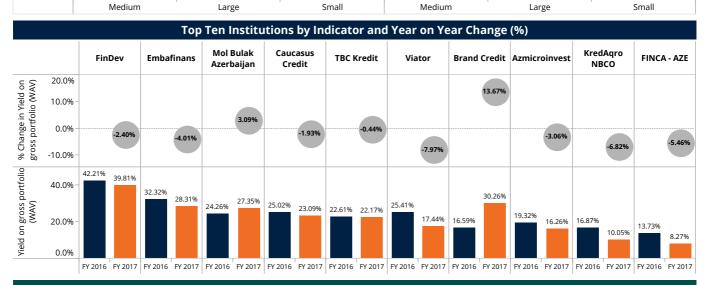


Percentiles and Median					
	FY 2016	FY 2017			
Percentile (25) of Yield on gross loan portfolio (nominal)	16.65%	10.05%			
Median Yield on gross loan portfolio (nominal)	20.33%	14.26%			
Percentile (75) of Yield on gross loan portfolio (nominal)	25.31%	23.09%			

Benchmark by legal status						
	FY 2	2016	FY 2017			
Legal Status	FSP count	Yield on gross loan portfolio (WAV)	FSP count	Yield on gross loan portfolio (WAV)		
Bank	6	18.35%	6	11.61%		
Credit Union / Coo	1	20.29%	2	2.63%		
NBFI	11	21.96%	10	18.16%		
Aggregated	18	18.86%	18	12.10%		

Benchmark by scale					
	FY 2	FY 2016		2017	
Scale	FSP count	Yield on gross loan portfolio (WAV)	FSP count	Yield on gross loan portfolio (WAV)	
Large	5	18.61%	4	11.67%	
Medium	8	22.08%	7	14.70%	
Small	5	4.90%	7	19.46%	
Aggregated	18	18.86%	18	12.10%	

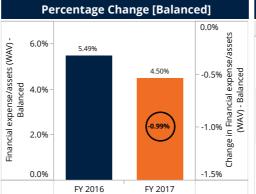




## Financial expense by assets

Financial Expense/Assets (WAV) aggregated to

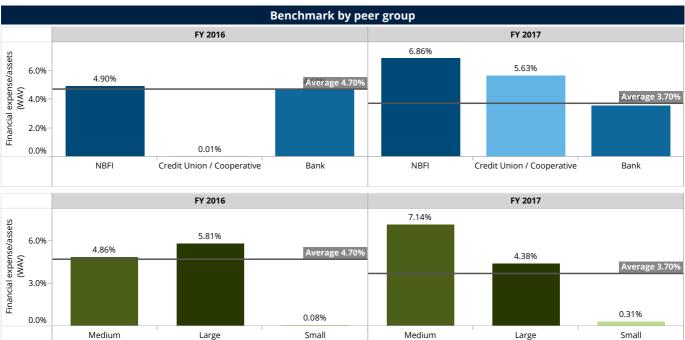
3.70%

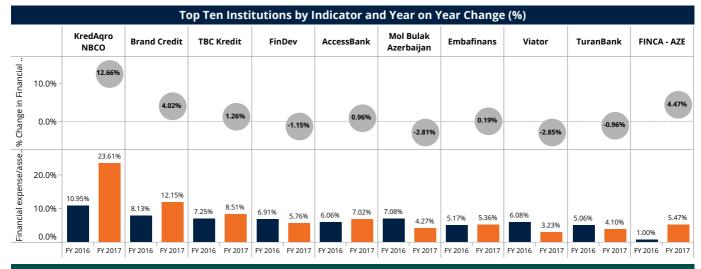


Percentiles and Median				
	FY 2016	FY 2017		
Percentile (25) of Financial expense / assets	1.99%	3.23%		
Median Financial expense / assets	6.07%	4.27%		
Percentile (75) of Financial expense / assets	7.04%	6.10%		

Benchmark by legal status					
	FY 2	016	FY 2017		
Legal Status	FSP count	Financial expense/ assets (WAV)	FSP count	Financial expense/ assets (WAV)	
Bank	6	4.68%	6	3.56%	
Credit Union / Co	1	0.01%	2	5.63%	
NBFI	11	4.90%	10	6.86%	
Aggregated	18	4.70%	18	3.70%	

Benchmark by scale				
	FY 2	2016	FY 2	2017
Scale	FSP count	Financial expense/assets (WAV)	FSP count	Financial expense/assets (WAV)
Large	5	5.81%	4	4.38%
Medium	8	4.86%	7	7.14%
Small	5	0.08%	7	0.31%
Aggregated	18	4.70%	18	3.70%





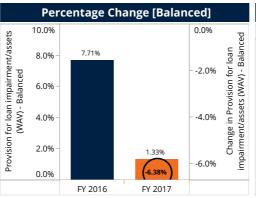
## Provision for loan impairment by assets

**Provision for Loan** Impairment/Assets (WAV) aggregated to

1.18%

for FY 2017

0.0%



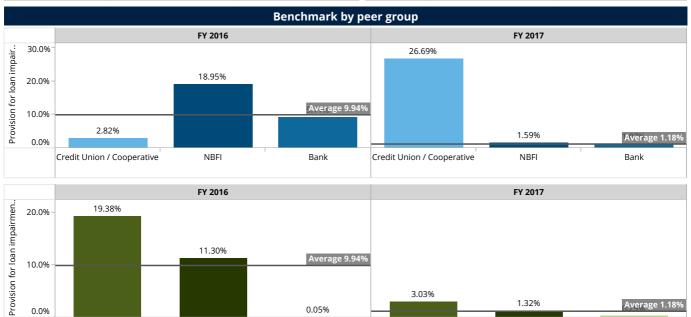
Percentiles and Median				
	FY 2016	FY 2017		
Percentile (25) of Provision for loan impairment / assets	2.84%	0.00%		
Median Provision for loan impairment / assets	12.02%	0.97%		
Percentile (75) of Provision for loan impairment / assets	21.43%	5.14%		

Benchmark by legal status					
	FY 2	2016	FY 2	2017	
Legal Status	FSP count	Provision for loan impairment/ assets (WAV)	FSP count	Provision for loan impairment/ assets (WAV)	
Bank	6	9.11%	6	1.07%	
Credit Union / Cooperati	1	2.82%	2	26.69%	
NBFI	11	18.95%	10	1.59%	
Aggregated	18	9.94%	18	1.18%	

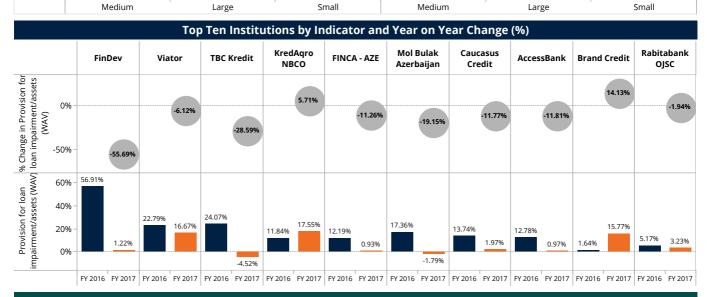
	Benchmark by scale					
		FY 2	2016	FY 2017		
5	Scale	FSP count   Provision for   loan   impairment/   assets (WAV)		FSP count	Provision for loan impairment/ assets (WAV)	
ı	_arge	5	11.30%	4	1.32%	
ı	Medium	8	19.38%	7	3.03%	
9	Small	5	0.05%	7	0.29%	
1	Aggregated	18	9.94%	18	1.18%	

1 32%

Average 1.18%



3.03%

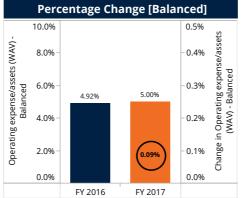


0.05%

## **Operating expenses by assets**

Operating Expense/Asset (WAV) aggregated to

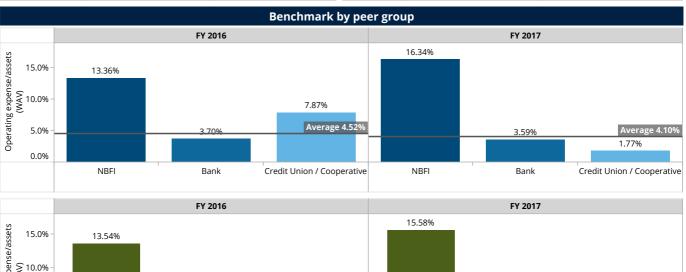
4.10%

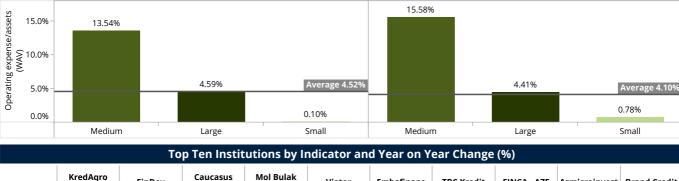


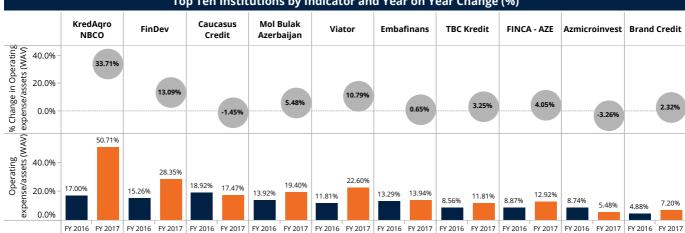
Percentiles and Median				
	FY 2016	FY 2017		
Percentile (25) of Operating expense / assets	5.25%	3.81%		
Median Operating expense / assets	8.65%	7.20%		
Percentile (75) of Operating expense / assets	13.76%	17.47%		

Benchmark by legal status					
	FY 2	:016	FY 2017		
Legal Status	FSP count	Operating expense/ assets (WAV)	FSP count	Operating expense/ assets (WAV)	
Bank	6	3.70%	6	3.59%	
Credit Union / Coo	1	7.87%	2	1.77%	
NBFI	11	13.36%	10	16.34%	
Aggregated	18	4.52%	18	4.10%	

Benchmark by scale					
	FY 2	2016	FY 2017		
Scale	FSP count Operating expense/assets (WAV)		FSP count	Operating expense/assets (WAV)	
Large	579,048	4.59%	477,233	4.41%	
Medium	884,009	13.54%	711,584	15.58%	
Small	705,182	0.10%	981,105	0.78%	
Aggregated	2,168,239	4.52%	2,169,922	4.10%	





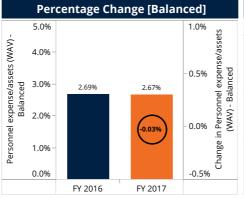


## Personnel expenses by assets

Personnel
Expense/Asset (WAV)
aggregated to

2.16%

for FY 2017



Percentiles and Median				
	FY 2016	FY 2017		
Percentile (25) of Personnel expense / assets	2.15%	1.19%		
Median Personnel expense / assets	5.20%	4.13%		
Percentile (75) of Personnel expense / assets	8.49%	11.69%		

**FSP** count

FY 2017

4

7

7

18

Personnel

expense/assets (WAV)

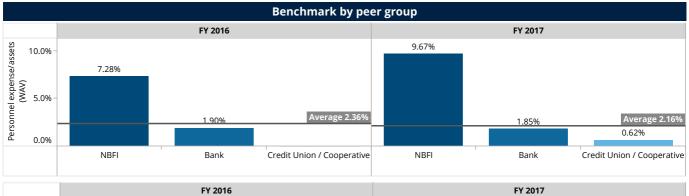
2.27%

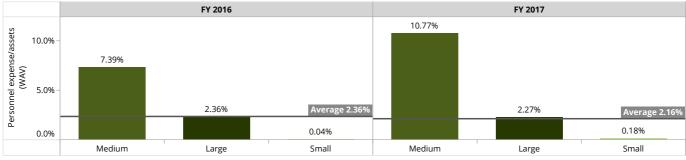
10.77%

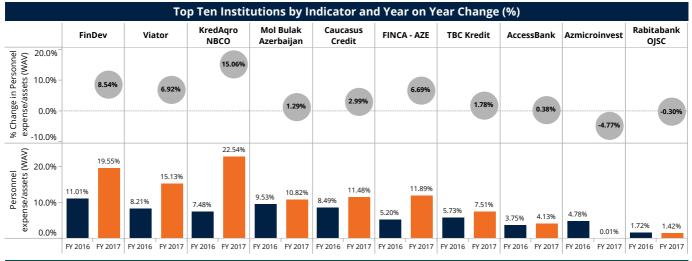
0.18%

2.16%

	Benchmark by legal status					Ве	nchmark by s	scale		
	FY 2	2016	FY 2017		FY 2017			FY 2	2016	
Legal Status	FSP count	Personnel expense/ assets (WAV)	FSP count	Personnel expense/ assets (WAV)	Scale	FSP count	Personnel expense/assets (WAV)	FSP (		
Bank	6	1.90%	6	1.85%	Large	5	2.36%			
Credit Union / Co	1		2	0.62%	Medium	8	7.39%			
NBFI	11	7.28%	10	9.67%	Small	5	0.04%			
Aggregated	18	2.36%	18	2.16%	Aggregated	18	2.36%			



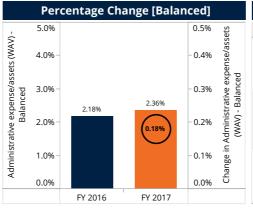




## Administrative expense by assets

Administrative expense/assets (WAV) aggregated to

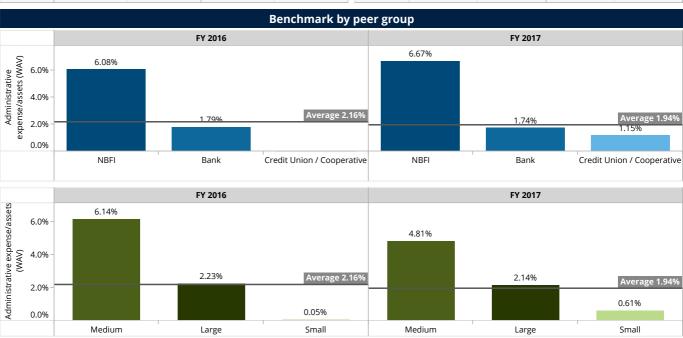
1.94%

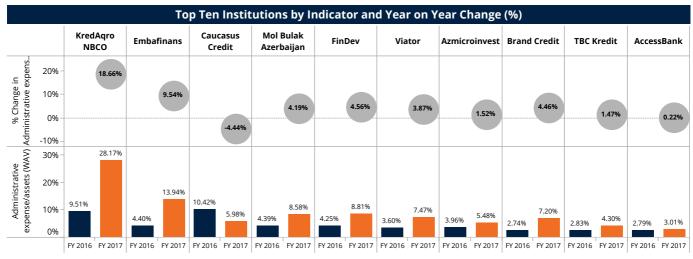


Percentiles and Median					
	FY 2016	FY 2017			
Percentile (25) of Administrative expense / assets	2.74%	1.30%			
Median Administrative expense / assets	3.67%	4.30%			
Percentile (75) of Administrative expense / assets	4.39%	7.47%			

Benchmark by legal status					
	FY 2	2016	FY 2017		
Legal Status	FSP count	Administrative expense/assets (WAV)	FSP count	Administrative expense/assets (WAV)	
Bank	6	1.79%	6	1.74%	
Credit Unio	1		2	1.15%	
NBFI	11	6.08%	10	6.67%	
Aggregated	18	2.16%	18	1.94%	

	Benchmark by scale					
	FY 2	2016	FY 2017			
Scale	FSP count	Administrative expense/assets (WAV)	FSP count	Administrative expense/ assets (WAV)		
Large	5	2.23%	4	2.14%		
Medium	8	6.14%	7	4.81%		
Small	5	0.05%	7	0.61%		
Aggregated	18	2.16%	18	1.94%		



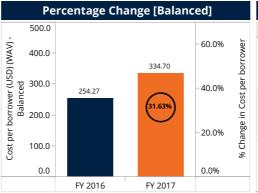


# Productivity & Efficiency

### **Cost per borrower**

Cost per borrower (USD) (WAV)

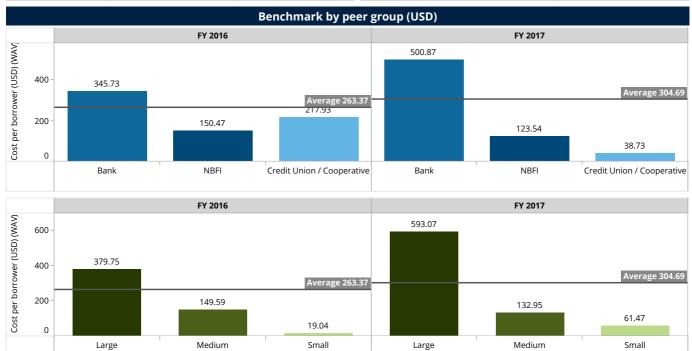
304.69

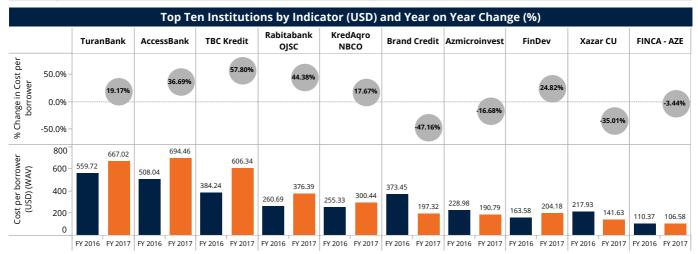


Percentiles and Median				
	FY 2016	FY 2017		
Percentile (25) of Cost per borrower (USD)	157.93	99.41		
Median Cost per borrower (USD)	228.98	166.21		
Percentile (75) of Cost per borrower (USD)	373.45	319.43		

Benchmark by legal status					
	FY 2	2016	FY 2	017	
Legal Status	FSP count	Cost per borrower (USD) (WAV)	FSP count	Cost per borrower (USD) (WAV)	
Bank	6	345.73	6	500.87	
Credit Union / Cooperati	1	217.93	2	38.73	
NBFI	11	150.47	10	123.54	
Aggregated	18	263.37	18	304.69	

Benchmark by scale						
	FY 2	016	FY 2017			
Scale	FSP count Cost per borrower (USD) (WAV)		FSP count	Cost per borrower (USD) (WAV)		
Large	5	379.75	4	593.07		
Medium	8	149.59	7	132.95		
Small	5	19.04	7	61.47		
Aggregated	18	263.37	18	304.69		

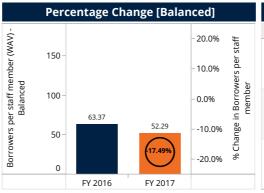




# Borrower per staff member

Borrowers per staff member (WAV)

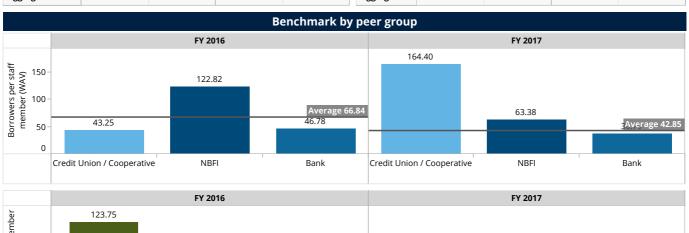
42.85

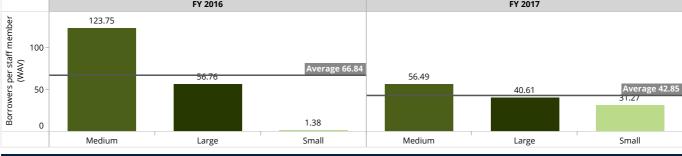


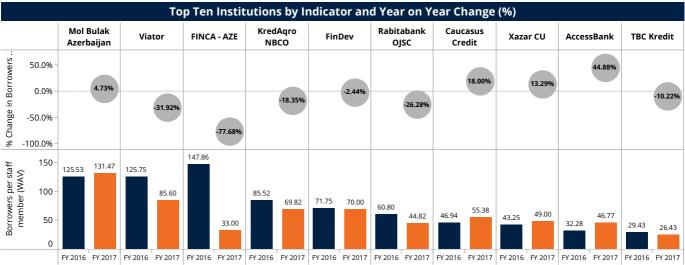
Percentiles and Median				
	FY 2016	FY 2017		
Percentile (25) of Borrowers per staff member	46.02	31.36		
Median Borrowers per staff member	78.63	45.80		
Percentile (75) of Borrowers per staff member	125.59	69.87		

Benchmark by legal status						
	FY 2	2016	FY 2017			
Legal Status	FSP count Borrowers per staff member (WAV)		FSP count	Borrowers per staff member (WAV)		
Bank	6	46.78	6	36.79		
Credit Union / Co	1	43.25	2	164.40		
NBFI	11	122.82	10	63.38		
Aggregated	18	66.84	18	42.85		

Benchmark by scale						
	FY 2016		FY 2017			
Scale	FSP count Borrowers per staff member (WAV)		FSP count	Borrowers per staff member (WAV)		
Large	5	56.76	4	40.61		
Medium	8	123.75	7	56.49		
Small	5	1.38	7	31.27		
Aggregated	18	66.84	18	42.85		



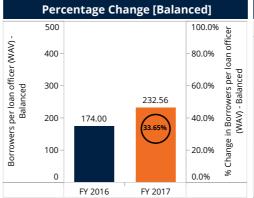




# Borrower per loan officer

Borrowers per loan officer (WAV)

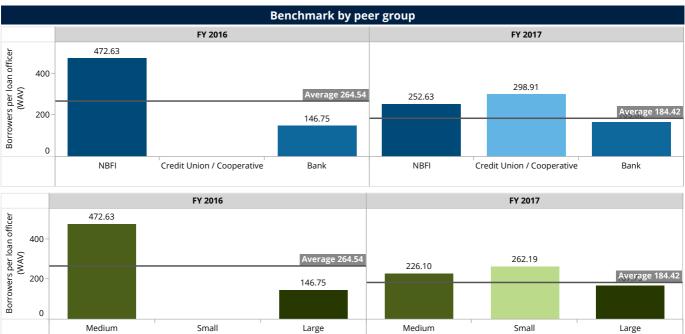
184.42

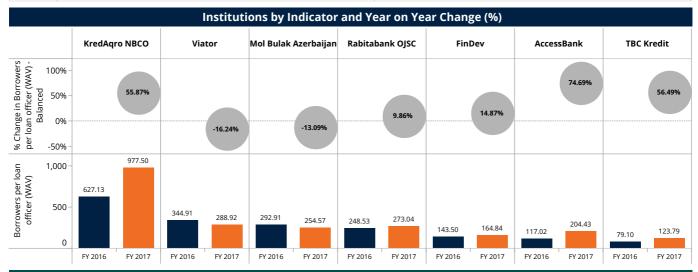


Percentiles and Median					
FY 2016 FY 20					
Percentile (25) of Borrowers per loan officer	143.50	124.08			
Median Borrowers per loan officer	292.91	184.64			
Percentile (75) of Borrowers per loan officer	589.85	268.42			

Benchmark by legal status						
	FY 2016		FY 2017			
Legal Status	FSP count	Borrowers per loan officer (WAV)	FSP count	Borrowers per loan officer (WAV)		
Bank	6	146.75	6	165.06		
Credit Union / Coop	1		2	298.91		
NBFI	11	472.63	10	252.63		
Aggregated	18	264.54	18	184.42		

Benchmark by scale					
	FY 2016		FY 2017		
Scale	FSP count loan officer (WAV)		FSP count	Borrowers per loan officer (WAV)	
Large	5	146.75	4	167.79	
Medium	8	472.63	7	226.10	
Small	5		7	262.19	
Aggregated	18	264.54	18	184.42	

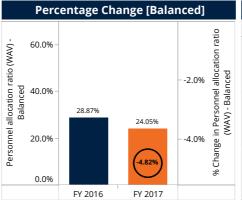




### **Personnel allocation ratio**

Personnel allocation ratio (WAV) aggregated to

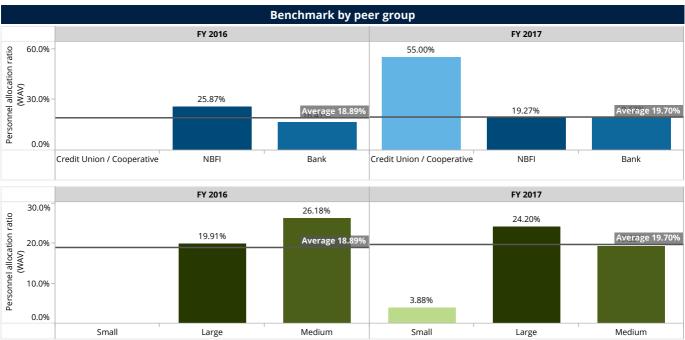
19.70%

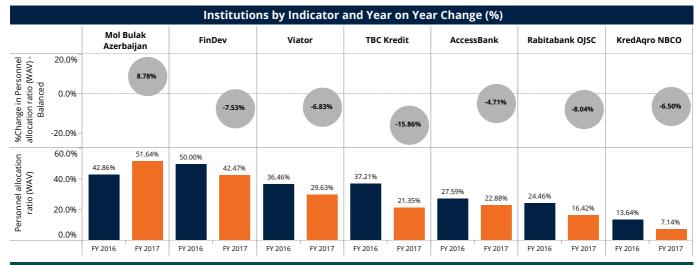


Percentiles and Median				
	FY 2016	FY 2017		
Percentile (25) of Personnel allocation ratio	24.46%	21.73%		
Median Personnel allocation ratio	27.59%	24.23%		
Percentile (75) of Personnel allocation ratio	37.21%	40.35%		

Benchmark by legal status						
	FY 2016  Personnel allocation ratio (WAV)		FY 2017			
Legal Status			FSP count	Personnel allocation ratio (WAV)		
Bank	6	16.41%	6	19.63%		
Credit Union / Cooperative	1		2	55.00%		
NBFI	11	25.87%	10	19.27%		
Aggregated	18	18.89%	18	19.70%		

Benchmark by scale						
	FY 2016		FY 2017			
Scale	FSP count allocation ratio (WAV)		FSP count	Personnel allocation ratio (WAV)		
Large	5	19.91%	4	24.20%		
Medium	8	26.18%	7	19.29%		
Small	5		7	3.88%		
Aggregated	18	18.89%	18	19.70%		





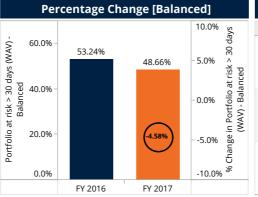
# Risk & Liquidity

#### Portfolio at risk > 30 days (%)

Portfolio at risk > 30 days (WAV) aggregated to

44.08%

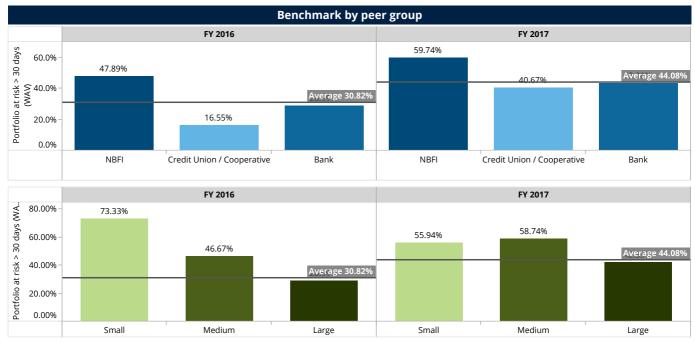
reported as of FY 2017

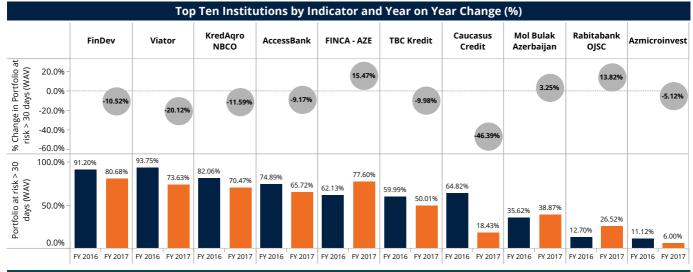


Percentiles and Median					
	FY 2016	FY 2017			
Percentile (25) of Portfolio at risk > 30 days	16.55%	24.00%			
Median Portfolio at risk > 30 days	62.13%	43.22%			
Percentile (75) of Portfolio at risk > 30 days	82.06%	66.91%			

Benchmark by legal status						
	FY 2	2016	FY 2	2017		
Legal Status	FSP count Portfolio at risk > 30 days (WAV)		FSP count	Portfolio at risk > 30 days (WAV)		
Bank	6	28.99%	6	43.20%		
Credit Union /	1	16.55%	2	40.67%		
NBFI	11	47.89%	10	59.74%		
Aggregated	18	30.82%	18	44.08%		

Benchmark by scale						
	FY 2	2016	FY 2	2017		
Scale	FSP count	Portfolio at risk > 30 days (WAV)	FSP count	Portfolio at risk > 30 days (WAV)		
Large	5	28.99%	4	42.33%		
Medium	8	46.67%	7	58.74%		
Small	5	73.33%	7	55.94%		
Aggregated	18	30.82%	18	44.08%		



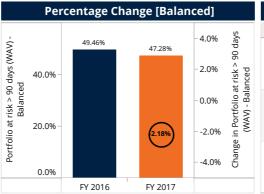


#### Portfolio at risk > 90 days (%)

Portfolio at risk > 90 days (WAV) aggregated to

43.20%

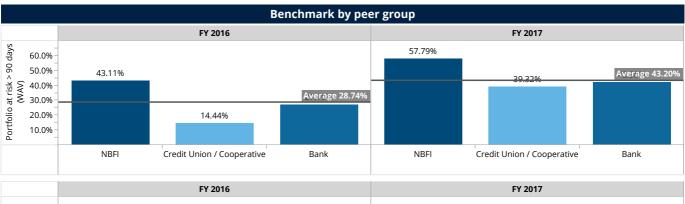
reported as of FY 2017

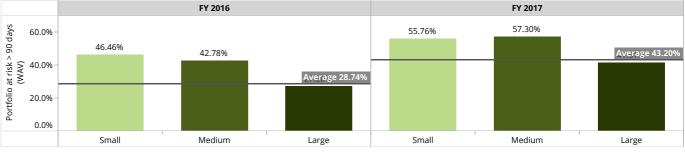


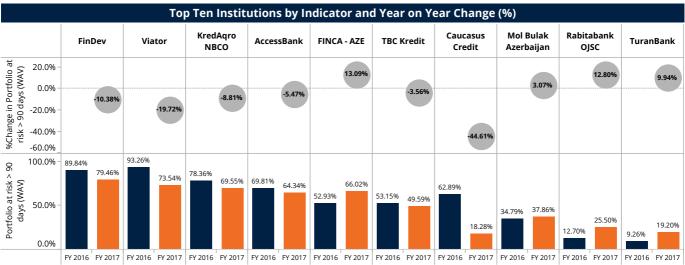
Percentiles and Median				
	FY 2016	FY 2017		
Percentile (25) of Portfolio at risk > 90 days	14.44%	23.86%		
Median Portfolio at risk > 90 days	53.15%	41.48%		
Percentile (75) of Portfolio at risk > 90 days	71.16%	64.76%		

Benchmark by legal status						
	FY 2016		FY 2017			
Legal Status	FSP count risk > 90 days (WAV)		FSP count	Portfolio at risk > 90 days (WAV)		
Bank	6	27.19%	6	42.38%		
Credit Union / Coo	1	14.44%	2	39.32%		
NBFI	11	43.11%	10	57.79%		
Aggregated	18	28.74%	18	43.20%		

Benchmark by scale							
	FY 2016		FY 2	2017			
Scale	FSP count	Portfolio at risk > 90 days (WAV)	FSP count	Portfolio at risk > 90 days (WAV)			
Large	5	27.20%	4	41.51%			
Medium	8	42.78%	7	57.30%			
Small	5	46.46%	7	55.76%			
Aggregated	18	28.74%	18	43.20%			





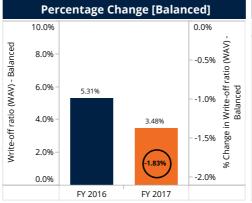


#### Write-off ratio

Write-off ratio (WAV) aggregated to

3.26%

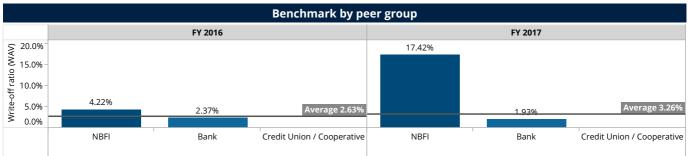
for FY 2017

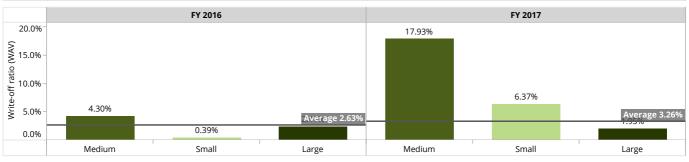


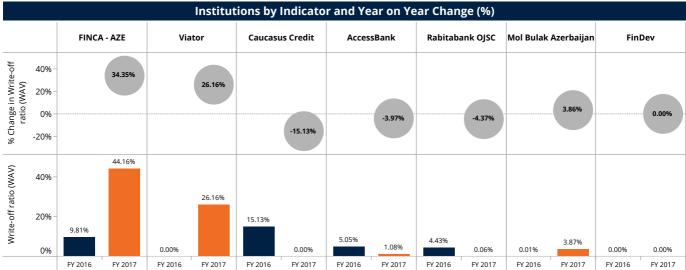
Percentiles and Median				
	FY 2016	FY 2017		
Percentile (25) of Write-off ratio	0.00%	0.00%		
Median Write-off ratio	2.22%	0.57%		
Percentile (75) of Write-off ratio	6.24%	5.45%		

Benchmark by legal status							
	FY 2016		FY 2	2017			
Legal Status	FSP count	Write-off ratio (WAV)	FSP count	Write-off ratio (WAV)			
Bank	6	2.37%	6	1.93%			
Credit Union / Cooperative	1		2				
NBFI	11	4.22%	10	17.42%			
Aggregated	18	2.63%	18	3.26%			

Benchmark by scale						
	FY 2016		FY 2017			
Scale	FSP count	Write-off ratio (WAV)	FSP count	Write-off ratio (WAV)		
Large	5	2.41%	4	1.95%		
Medium	8	4.30%	7	17.93%		
Small	5	0.39%	7	6.37%		
Aggregated	18	2.63%	18	3.26%		





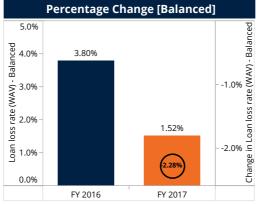


#### Loan loss rate

Loan loss rate (WAV) aggregated to

1.13%

for FY 2017

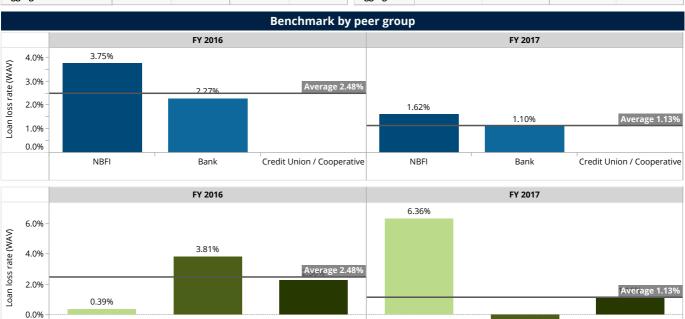


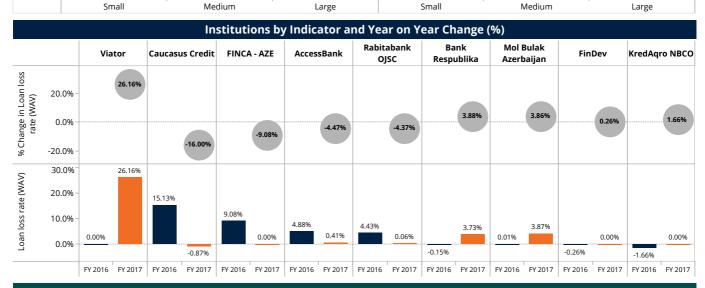
Percentiles and Median				
	FY 2016	FY 2017		
Percentile (25) of Loan loss rate	-0.15%	0.00%		
Median Loan loss rate	0.00%	0.00%		
Percentile (75) of Loan loss rate	4.43%	2.07%		

Benchmark by legal status							
	FY 2	016	FY 2	FY 2017			
Legal Status	FSP count	Loan loss rate (WAV)	FSP count	Loan loss rate (WAV)			
Bank	6	2.27%	6	1.10%			
Credit Union / Cooperative	1		2				
NBFI	11	3.75%	10	1.62%			
Aggregated	18	2.48%	18	1.13%			

Delicilliark by Scale							
	FY 2016		Y 2016 FY 2017				
Scale	FSP count	Loan loss rate (WAV)	FSP count	Loan loss rate (WAV)			
Large	5	2.30%	4	1.10%			
Medium	8	3.81%	7	-0.29%			
Small	5	0.39%	7	6.36%			
Aggregated	18	2.48%	18	1.13%			

-0.29%



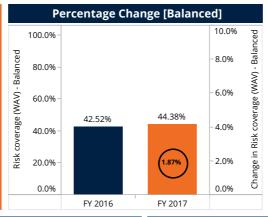


#### Risk coverage

Risk coverage (WAV) aggregated to

43.25%

for FY 2017



Percentiles and Median									
	FY 2016	FY 2017							
Percentile (25) of Risk coverage	26.14%	30.80%							
Median Risk coverage	44.87%	64.34%							
Percentile (75) of Risk coverage	67.07%	89.64%							

FSP count

FY 2017

4

7

7

18

Risk coverage

(WAV)

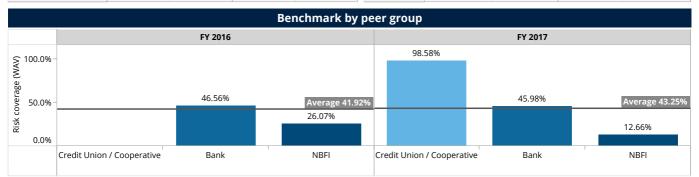
48.27%

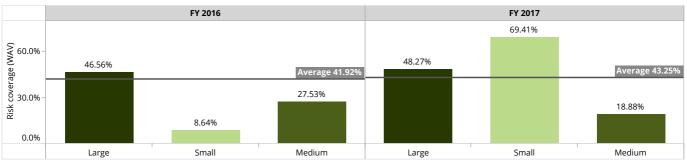
18.88%

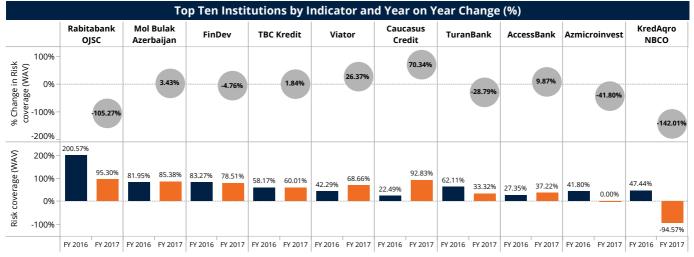
69.41%

43.25%

	Benchmar	k by legal st			nchmark by	y scale		
	FY :	2016	FY 2	2017		FY 2	2016	
Legal Status	FSP count	Risk coverage (WAV)	FSP count	Risk coverage (WAV)	Scale	FSP count	Risk coverage (WAV)	FSP c
Bank	6	46.56%	6	45.98%	Large	5	46.56%	
Credit Union / Coopera	1		2	98.58%	Medium	8	27.53%	
NBFI	11	26.07%	10	12.66%	Small	5	8.64%	
Aggregated	18	41.92%	18	43.25%	Aggregated	18	41.92%	







# Financial Service Provider (FSP) data

# Financial Service Providers (FSPs) Operational Indicators

Legal Status	FSP Name	FY	Assets (USD) m	Equity (USD) m	Offices	Personnel	Loan officers	Deposits to loans (WAV)	Deposits to total assets (WAV)	Number of active borrowers '000	Gross Loan Portfolio (USD) m	ALB per borrower (USD) (WAV)	Number of depositors '000	Number of deposit accounts '000	Deposits (USD) m	ADB per depositor (USD) (WAV)	Average deposit account balance (USD) (WAV)
	AccessBank	FY 2016	564.22	31.42	40	1,700	469	45.33%	31.43%	54.88	391.22	7,128.06	405.97	591.94	177.33	436.80	299.57
	Accessbalik	FY 2017	497.55	42.30	27	1,250	286	71.88%	52.25%	58.47	361.63	6,185.13	452.61	671.74	259.96	574.35	386.99
		FY 2016	0.28	0.00	19	650		77.08%	57.35%		0.21				0.16		
	Bank of Baku	FY 2017	0.24	0.01		692		73.73%	65.50%	16.82	0.21	12.42	0.00	0.00	0.15		
	Donly Donny blile	FY 2016	496.07	13.92	25			113.53%	64.34%		281.12				319.17		
David	Bank Respublika	FY 2017	410.67	19.84	28	674	229	186.68%	67.73%	23.77	148.99	6,267.67	180.38	228.28	278.14	1,541.93	1,218.40
Bank	DemirBank	FY 2016	199.46	-72.53	17	784		63.81%	52.31%	83.86	163.51	1,949.78	0.14	0.14	104.33	739,936.96	739,936.96
	ParaBOKT	FY 2017	50.26	12.29	20	230	48	0.00%	0.00%	6.00	39.87	6,646.47	0.00	0.00	0.00		
	Dalaitah and OICC	FY 2016	306.81	25.32	23	560	137	204.98%	76.17%	34.05	114.00	3,348.30			233.69		
	Rabitabank OJSC	FY 2017	427.79	43.17	22	597	98	274.76%	88.65%	26.76	138.03	5,158.32	0.00	0.00	379.24		
	T David	FY 2016	291.81	31.26				92.88%	51.88%	11.27	162.98	14,468.16	63.28	63.28	151.38	2,392.08	2,392.08
	TuranBank	FY 2017	278.81	32.72	14	388	91	97.25%	57.08%	9.13	163.64	17,923.44	52.30	69.47	159.14	3,042.84	2,290.79
	Aqroinvest	FY 2017	5.77	-1.96	4	16	9			3.09	7.80	2,523.18					
Credit Union / Cooperative	Xazar CU	FY 2016	0.50	0.44	1	4				0.17	0.46	2,640.02					
,		FY 2017	0.64	0.49	1	4	2	0.00%	0.00%	0.20	0.50	2,555.49	0.00	0.00	0.00		
	Azercredit	FY 2016	13.98	-12.31	33	247	68			40.11	25.30	630.82					
		FY 2016	1.18	0.56							1.11						
	Azmicroinvest	FY 2017	1.13	0.65		8	2	0.00%	0.00%	0.28	0.90	3,246.88	0.00	0.00	0.00		
		FY 2016	2.61	0.40	2					0.87	2.37	2,721.30					
	Brand Credit	FY 2017	2.13	0.18					0.00%				0.00	0.00	0.00		
		FY 2016	0.48	0.44	5	16		7.27%	6.70%	0.75	0.44	584.49			0.03		
	Caucasus Credit	FY 2017	0.46	0.46	3	13	3			0.72	0.46	636.32					
		FY 2016	12.20	7.15	0					23.11	8.92	385.96					
	Embafinans	FY 2017	12.96	7.56					0.00%				0.00	0.00	0.00		
		FY 2016	30.66	0.41	33	451	52	0.00%	0.00%	66.69	30.16	452.22	0.00	0.00	0.00		
NBFI	FINCA - AZE	FY 2017	4.93	0.14	33	451		0.00%	0.00%	14.88	5.84	392.63	0.00	0.00	0.00		
		FY 2016	4.21	0.47	8	88	44	0.00%	0.00%	6.31	7.56	1,198.06	0.00	0.00	0.00		
	FinDev	FY 2017	3.25	0.19	8	73	31	0.00%	0.00%	5.11	6.61	1,292.98	0.00	0.00	0.00		
		FY 2016	8.55	0.43	12	110	15			9.41	9.05	962.14					
	KredAqro NBCO	FY 2017	4.13	0.22		84	6	0.00%	0.00%	5.87	6.74	1,148.38	0.00	0.00	0.00		
		FY 2016	9.84	5.13	26	189	81			23.73	10.27	432.65					
	Mol Bulak Azerbaijan	FY 2017	6.79	5.75	26	213	110	0.00%	0.00%	28.00	7.76	277.14	0.00	0.00	0.00		
		FY 2016	14.55	1.71	6	129	48			3.80	17.24	4,540.87					
	TBC Kredit	FY 2017	15.46	2.93	5	89	19	0.00%	0.00%	2.35	16.28	6,922.02	0.00	0.00	0.00		
		FY 2016	5.46	1.58	7	96	35	0.00%	0.00%	12.07	7.60	629.32	0.00	0.00	0.00		
	Viator	FY 2017	3.08	0.40	7	81	24	0.00%	0.00%	6.93	5.24	755.61	0.00	0.00	0.00		

This section provides information for all the FSPs that have reported to MIX for FY 2016 and FY 2017. The blank values here means either the FSP has not submitted the data or the data is not applicable for them.

# Financial Service Providers (FSPs) Financial Indicators

Legal Status	FSP Name	FY	Capital/assets (WAV)	Debt to equity (WAV)	Return on assets (WAV)	Return on equity (WAV)	Operational self sufficiency (WAV)	Financial revenue / assets (WAV)	Profit margin (WAV)	Yield on gross loan portfolio (WAV)	Total expense / assets (WAV)	Financial expense/assets (WAV)	Provision for loan impairment/ assets (WAV)	Operating expense/assets (WAV)	Personnel expense/assets (WAV)	Administrative expense/assets (WAV)
,	AssessDoorle	FY 2016	5.57%	16.96	-9.75%	-88.54%	57.49%	14.59%	-73.94%	20.37%	25.39%	6.06%	12.78%	6.54%	3.75%	2.79%
	AccessBank	FY 2017	8.50%	10.76	-3.86%	-54.86%	0.00%	0.00%		14.26%	15.12%	7.02%	0.97%	7.14%	4.13%	3.01%
	Donk of Doku	FY 2016	0.68%	145.80	-0.01%	-0.06%	50.13%	0.01%	-99.47%	0.23%	0.02%	0.00%	0.01%	0.00%	0.00%	0.00%
	Bank of Baku	FY 2017	2.98%	32.60	0.00%	0.01%	118.18%	0.01%	15.38%	0.65%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%
	Death Decembrile	FY 2016	2.81%	34.64	-7.37%	-134.54%	41.84%	5.30%	-139.01%	12.31%	12.67%	6.68%	2.89%	3.10%	1.60%	1.50%
Donk	Bank Respublika	FY 2017	4.83%	19.70	-1.35%	-36.23%	83.11%	6.64%	-20.32%	7.28%	7.99%	3.25%	0.92%	3.81%	1.68%	2.13%
Bank	DemirBank	FY 2016	-36.36%	-3.75	-28.48%	-405.45%	41.74%	20.41%	-139.57%	25.43%	48.90%	6.55%	35.98%	6.37%	2.58%	3.79%
	ParaBOKT	FY 2017	24.46%	3.09			61.46%		-62.71%							
		FY 2016	8.25%	11.12	-2.73%	-24.48%	77.61%	9.45%	-28.86%	16.84%	12.18%	3.62%	5.17%	3.39%	1.72%	1.66%
	Rabitabank OJSC	FY 2017	10.09%	8.91	0.00%	0.00%	77.94%	6.55%	0.00%	13.26%	8.41%	2.19%	3.23%	2.99%	1.42%	1.57%
		FY 2016	10.71%	8.34	-2.62%	-24.98%	73.60%	7.30%	-35.88%	13.03%	9.92%	5.06%	2.62%	2.24%	1.07%	1.18%
	TuranBank	FY 2017	11.74%	7.52	-0.14%	-1.26%	98.20%	6.45%	-1.83%	10.43%	6.57%	4.10%	0.22%	2.25%	0.95%	1.30%
	Aqroinvest	FY 2017	-33.97%	-3.94	0.00%	0.00%	31.99%	11.59%	0.00%	2.14%	36.25%	6.10%	28.61%	1.53%	0.35%	1.19%
Credit Union / Cooperative	V 611	FY 2016	88.65%	0.13	4.29%	4.30%	167.82%	17.96%	40.41%	20.29%	10.70%	0.01%	2.82%	7.87%		
·	Xazar CU	FY 2017	77.05%	0.30	3.92%	4.84%	148.77%	14.80%	32.78%	10.85%	9.95%	0.39%	5.14%	4.42%	3.67%	0.75%
	Azercredit	FY 2016	-88.06%	-2.14	-48.98%	6601.02%	40.52%	33.19%	-146.81%	35.68%	81.92%	10.62%	41.42%	29.88%	12.99%	16.89%
	Azmicroinvest	FY 2016	47.93%	1.09	4.24%	5.52%	136.73%	18.00%	26.87%	19.32%	13.16%	1.45%	2.98%	8.74%	4.78%	3.96%
		FY 2017	57.54%	0.74	4.94%	9.72%	156.09%	13.79%	35.93%	16.26%	8.84%	3.35%	0.00%	5.48%	0.01%	5.48%
		FY 2016	15.16%	5.59	0.32%	0.49%	102.26%	14.98%	2.21%	16.59%	14.64%	8.13%	1.64%	4.88%	2.15%	2.74%
	Brand Credit	FY 2017	8.44%	10.85	-7.59%	-11.19%	78.39%	27.53%	-27.57%	30.26%	35.12%	12.15%	15.77%	7.20%		7.20%
	Coursesus Credit	FY 2016	93.23%	0.07	-11.11%	-13.29%	64.72%	21.74%	-54.50%	25.02%	33.60%	0.94%	13.74%	18.92%	8.49%	10.42%
	Caucasus Credit	FY 2017	99.98%	0.00	-0.09%	-0.10%	103.00%	20.78%	2.91%	23.09%	20.17%	0.73%	1.97%	17.47%	11.48%	5.98%
	Embafinans	FY 2016	58.64%	0.71	4.94%	9.09%	133.90%	24.12%	25.32%	32.32%	18.01%	5.17%	-0.45%	13.29%	8.88%	4.40%
	EIIIDaillialis	FY 2017	58.29%	0.72	2.91%	4.82%	118.70%	22.44%	15.75%	28.31%	18.90%	5.36%	-0.40%	13.94%		13.94%
	FINCA - AZE	FY 2016	1.33%	74.15	-12.45%	-285.73%	47.62%	10.50%	-110.00%	13.73%	22.06%	1.00%	12.19%	8.87%	5.20%	3.67%
NBFI	FINCA - AZE	FY 2017	2.77%	35.07	-18.45%	-355.91%	38.97%	7.53%	-156.58%	8.27%	19.32%	5.47%	0.93%	12.92%	11.89%	1.03%
	FinDev	FY 2016	11.12%	7.99	0.00%	0.00%	50.34%	39.80%	0.00%	42.21%	79.07%	6.91%	56.91%	15.26%	11.01%	4.25%
	FILIDEA	FY 2017	5.77%	16.33	1.97%	16.95%	101.81%	35.98%	1.78%	39.81%	35.34%	5.76%	1.22%	28.35%	19.55%	8.81%
	KredAgro NBCO	FY 2016	5.05%	18.82	-12.13%	-136.54%	70.30%	27.97%	-42.24%	16.87%	39.79%	10.95%	11.84%	17.00%	7.48%	9.51%
	KIEUAQIO NBCO	FY 2017	5.44%	17.40	12.46%	249.16%	112.90%	103.72%	11.43%	10.05%	91.87%	23.61%	17.55%	50.71%	22.54%	28.17%
	Mol Bulak	FY 2016	52.12%	0.92	-16.49%	-29.76%	60.17%	23.08%	-66.18%	24.26%	38.36%	7.08%	17.36%	13.92%	9.53%	4.39%
	Azerbaijan	FY 2017	84.69%	0.18	4.44%	7.10%	126.69%	27.73%	21.07%	27.35%	21.89%	4.27%	-1.79%	19.40%	10.82%	8.58%
	TBC Kredit	FY 2016	11.76%	7.50	-19.85%	-95.39%	54.32%	21.66%	-84.09%	22.61%	39.88%	7.25%	24.07%	8.56%	5.73%	2.83%
	I DC Kredit	FY 2017	18.95%	4.28	2.83%	18.18%	144.17%	22.77%	26.17%	22.17%	15.80%	8.51%	-4.52%	11.81%	7.51%	4.30%
	Vieter	FY 2016	28.92%	2.46	-15.71%	-54.04%	62.86%	25.57%	-59.09%	25.41%	40.69%	6.08%	22.79%	11.81%	8.21%	3.60%
	Viator	FY 2017	12.89%	6.76	-18.68%	-107.12%	58.53%	24.87%	-70.86%	17.44%	42.50%	3.23%	16.67%	22.60%	15.13%	7.47%

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# Financial Service Providers (FSPs) Productivity, Efficiency and Risk Indicators

Legal Status	FSP Name	FY	Cost per borrower (USD) (WAV)	Borrowers per staff member (WAV)	Borrowers per loan officer (WAV)	Personnel allocation ratio (WAV)	Portfolio at risk > 30 days (WAV)	Portfolio at risk > 90 days (WAV)	Loan loss rate (WAV)	Write-off ratio (WAV)	Risk coverage (WAV)	Deposit accounts per staff member	Depositors per staff member (WAV)
	AccessBank	FY 2016	508.04	32.28	117.02	27.59%	74.89%	69.81%	4.88%	5.05%	27.35%	348.20	238.80
	Accessbalk	FY 2017	694.46	46.77	204.43	22.88%	65.72%	64.34%	0.41%	1.08%	37.22%	537.39	362.09
	Bank of Baku	FY 2016	0.72						0.00%				
	Dalik Ol Daku	FY 2017	0.92	24.31			43.18%	41.13%			88.58%	0.00	0.00
	Bank Respublika	FY 2016	422.92						-0.15%				
Bank	barik Kespublika	FY 2017		35.27	103.80	33.98%	25.58%	25.41%	3.73%	5.98%	36.03%	338.70	267.63
Ddllk	DemirBank	FY 2016	252.30	106.96					-0.06%			0.18	0.18
	ParaBOKT	FY 2017		26.08	124.96	20.87%	60.83%	60.25%			23.22%	0.00	0.00
	Rabitabank OJSC	FY 2016	260.69	60.80	248.53	24.46%	12.70%	12.70%	4.43%	4.43%	200.57%		
	Nabitabarik Ojoc	FY 2017	376.39	44.82	273.04	16.42%	26.52%	25.50%	0.06%	0.06%	95.30%	0.00	0.00
	TuranBank	FY 2016	559.72				9.30%	9.26%			62.11%		
	TUTATIBATIK	FY 2017	667.02	23.53	100.33	23.45%	19.25%	19.20%			33.32%	179.05	134.80
	Aqroinvest	FY 2017	32.63	193.25	343.56	56.25%	43.25%	41.83%			97.73%		
Credit Union / Cooperative	Credit Union / Cooperative Xazar CU	FY 2016	217.93	43.25			16.55%	14.44%					
· ·	Xazar CU	FY 2017	141.63	49.00	98.00	50.00%	0.54%	0.18%			1166.81%	0.00	0.00
	Azercredit	FY 2016	214.12	162.39	589.85	27.53%			0.00%	0.00%			
	Azmicroinvest	FY 2016	228.98				11.12%	9.31%			41.80%		
		FY 2017	190.79	34.75	139.00	25.00%	6.00%	5.78%	0.00%	0.00%	0.00%	0.00	0.00
	D 10 10	FY 2016	373.45				121.59%	71.16%			6.70%		
	Brand Credit	FY 2017	197.32										
		FY 2016	157.93	46.94			64.82%	62.89%	15.13%	15.13%	22.49%		
	Caucasus Credit	FY 2017	127.29	55.38	240.00	23.08%	18.43%	18.28%	-0.87%	0.00%	92.83%		
		FY 2016							-0.85%				
	Embafinans	FY 2017	77.91										
	50164 A75	FY 2016	110.37	147.86	1,282.42	11.53%	62.13%	52.93%	9.08%	9.81%	-51.47%	0.00	0.00
NBFI	FINCA - AZE	FY 2017	106.58	33.00			77.60%	66.02%	0.00%	44.16%	-173.31%	0.00	0.00
	E: 5	FY 2016	163.58	71.75	143.50	50.00%	91.20%	89.84%	-0.26%	0.00%	83.27%	0.00	0.00
	FinDev	FY 2017	204.18	70.00	164.84	42.47%	80.68%	79.46%	0.00%	0.00%	78.51%	0.00	0.00
		FY 2016	255.33	85.52	627.13	13.64%	82.06%	78.36%	-1.66%		47.44%		
	KredAqro NBCO	FY 2017	300.44	69.82	977.50	7.14%	70.47%	69.55%	0.00%	0.00%	-94.57%	0.00	0.00
	Mol Bulak	FY 2016	89.41	125.53	292.91	42.86%	35.62%	34.79%	0.01%	0.01%	81.95%		
	Azerbaijan	FY 2017	68.62	131.47	254.57	51.64%	38.87%	37.86%	3.87%	3.87%	85.38%	0.00	0.00
		FY 2016	384.24	29.43	79.10	37.21%	59.99%	53.15%			58.17%		
	TBC Kredit	FY 2017	606.34	26.43	123.79	21.35%	50.01%	49.59%	-3.82%		60.01%	0.00	0.00
		FY 2016	77.95	125.75	344.91	36.46%	93.75%	93.26%	0.00%	0.00%	42.29%	0.00	0.00
	Viator	FY 2017	107.22	85.60	288.92	29.63%	73.63%	73.54%	26.16%	26.16%	68.66%	0.00	0.00

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# **FSP Peer Group Classification**

Lega	l Status			Scale	
FSP Name	FY	Legal Status	FSP Name	FY	Scale
AccessBank	FY 2016	Bank	AccessBank	FY 2016	Large
	FY 2017	Bank		FY 2017	Large
Aqroinvest	FY 2017	Credit Union / Cooperative	Agroinvest	FY 2017	Medium
Azercredit	FY 2016	NBFI	Azercredit	FY 2016	Medium
Azmicroinvest	FY 2016	NBFI	Azmicroinvest	FY 2016	Small
	FY 2017	NBFI		FY 2017	Small
Bank of Baku	FY 2016	Bank	Bank of Baku	FY 2016	Small
	FY 2017	Bank		FY 2017	Small
Bank Respublika	FY 2016	Bank	Bank Respublika	FY 2016	Large
	FY 2017	Bank		FY 2017	Large
Brand Credit	FY 2016	NBFI	Brand Credit	FY 2016	Small
	FY 2017	NBFI		FY 2017	Small
Caucasus Credit	FY 2016	NBFI	Caucasus Credit	FY 2016	Small
	FY 2017	NBFI		FY 2017	Small
DemirBank	FY 2016	Bank	DemirBank	FY 2016	Large
Embafinans	FY 2016	NBFI	Embafinans	FY 2016	Medium
	FY 2017	NBFI		FY 2017	Small
FINCA - AZE	FY 2016	NBFI	FINCA - AZE	FY 2016	Medium
	FY 2017	NBFI		FY 2017	Medium
FinDev	FY 2016	NBFI	FinDev	FY 2016	Medium
	FY 2017	NBFI		FY 2017	Medium
KredAqro NBCO	FY 2016	NBFI	KredAqro NBCO	FY 2016	Medium
	FY 2017	NBFI		FY 2017	Medium
Mol Bulak Azerbaijan	FY 2016	NBFI	Mol Bulak Azerbaijan	FY 2016	Medium
	FY 2017	NBFI		FY 2017	Medium
ParaBOKT	FY 2017	Bank	ParaBOKT	FY 2017	Medium
Rabitabank OJSC	FY 2016	Bank	Rabitabank OJSC	FY 2016	Large
	FY 2017	Bank		FY 2017	Large
TBC Kredit	FY 2016	NBFI	TBC Kredit	FY 2016	Medium
	FY 2017	NBFI		FY 2017	Medium
TuranBank	FY 2016	Bank	TuranBank	FY 2016	Large
	FY 2017	Bank		FY 2017	Large
Viator	FY 2016	NBFI	Viator	FY 2016	Medium
	FY 2017	NBFI		FY 2017	Small
Xazar CU	FY 2016	Credit Union / Cooperative	Xazar CU	FY 2016	Small
	FY 2017	Credit Union / Cooperative		FY 2017	Small

#### **Glossary**

Please refer to link [ https://www.themix.org/glossary ] to view the detailed glossary of MIX Market indicator and ratios.

#### Indicator names and its formulas:

Administrative expense / assets - Formula: (Administrative expense + Depreciation and amortization expense) / Average assets

Assets - Formula: Not applicable

Average assets - Formula: Mean value calculated on the basis of total assets between two consecutive periods, including monthly, quarterly and annual data if available.

Average deposit balance per account - Formula: Deposits/ Number of deposit accounts

Average deposit balance per depositor - Formula: Deposits/ Number of depositors

Average equity - Formula: Methodology of average calculation is same as explained for Average Assets.

Average gross loan portfolio: Methodology of average calculation is same as explained for Average Assets.

Average loan balance per borrower - Formula: Gross loan portfolio/ Number of active borrowers

 ${f B}$  or rowers per loan officer - Formula: Number of active borrowers / Number of loan officers

Borrowers per staffmember - Formula: Number of active borrowers / Number of personnel

Capital/ asset ratio - Formula: Total capital/ Total assets

Cost per borrower - Formula: Operating expense/ Average number of active borrowers

Debt to equity ratio - Formula: Total Liabilities/ Total Equity

Deposit accounts per staff member - Formula: Number of deposit accounts / Number of personnel

Depositors per staff member - Formula: Number of depositors / Number of personnel

Deposits - Formula: Not applicable

Deposits to total assets - Formula: Total Deposits / Total Assets

Deposits to loans - Formula: Deposits / Gross Loan Portfolio

**E**quity - Formula: Not applicable

Financial expense / assets - Formula: Financial expense on funding liabilities / Average assets

Financial revenue / assets - Formula: Financial revenue/ Average assets

**G**ross Loan Portfolio - Formula: Not applicable

Loan loss rate - Formula: Write-offs - Amount recovered from written-off loans) / Average gross loan portfolio

Loan officers - Formula: Not applicable

Loan portfolio disbursed - Formula: Not applicable

 ${f N}$ umber of active borrowers - Formula: Not applicable

Number of deposit accounts - Formula: Not applicable

Number of depositors - Formula: Not applicable Number of loans disbursed - Formula: Not applicable

Number of offices - Formula: Not applicable

 $\textbf{O} perating \ expense \ / \ loan \ portfolio \ - \ Formula: \ Operating \ expense \ / \ Average \ gross \ loan \ portfolio$ 

Operating expense/ assets - Formula: Operating expense / Average assets

Operational self sufficiency - Formula: Financial revenue / (Financial expense on funding liabilities + Net Impairment Loss on gross loan portfolio + Operating expense)

**P**ersonnel - Formula: Not applicable

Personnel allocation ratio - Formula: Number of loan officers / Number of personnel

Personnel expense/ assets - Formula: Personnel expense / Average assets

Personnel expense/ loan portfolio - Formula: Personnel expense/ Average gross loan portfolio

 $Portfolio\ at\ risk > 30\ days\ (\%)\ -\ Formula: (Outstanding\ balance,\ portfolio\ overdue > 30\ days\ +\ Renegotiated\ loans)/\ Gross\ loan\ portfolio\ days\ +\ Renegotiated\ loan\ portfolio\ port$ 

Portfolio at risk > 90 days (%) - Formula: (Outstanding balance, portfolio overdue > 90 days + Renegotiated loans) / Gross Loan Portfolio

Profit margin - Formula: Net operating income/ Financial revenue

 $Provision \ for \ loan \ impairment \ / \ assets - Formula: \ Net \ impairment \ loss \ on \ gross \ loan \ portfolio \ / \ Average \ assets$ 

**R**eturn on assets - Formula: (Net operating income, less Taxes)/ Average assets

Return on equity - Formula: (Net operating income, less Taxes)/ Average equity

Risk coverage - Formula: Impairment loss allowance/ PAR > 30 days

Total expense / assets - Formula: (Financial expense on funding liabilities + Impairment loss (reversal of impairment loss on gross loan portfolio) + Operating expense) / Average assets

**W**rite-off ratio - Formula: Value of loans written-off / Average gross loan portfolio

 $\mathbf{Y}$ ield on gross portfolio (nominal) - Formula: Financial revenue from loans/ Average gross loan portfolio

