

Econometric Analysis and Forecasting of Intermediary Activity in the Uzbekistan Insurance Market

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Abstract: In this article, the role and importance of insurance intermediaries in the implementation of insurance relations, the current state of the implementation of mediation activities in the insurance market of Uzbekistan and the analysis of development trends, as well as the determination of mediation activities through econometric modeling methods.

Key words: insurance market, insurance intermediaries, insurance brokers, insurance agents, insurance premium, insurance payments, brokerage fee, financial analysis of insurance companies, forecasting, econometric method, voluntary and compulsory insurance types.



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Special attention is being paid to providing insurance protection on a global scale and expanding the scope of insurance services in the conditions of increasing socio-economic, natural-climatic and man-made risks. According to the Allianz Global Insurance Report, "in 2022, the total volume of global insurance premiums will be 5.6 trillion. made up the euro. Despite the high inflation, the volume of insurance premiums will increase by 5.2 percent or 4.2 billion in the next ten years. it is forecasted to increase to one euro ¹. Despite the overall positive dynamics observed in the global insurance market, emerging threats require the introduction of innovative insurance technologies and the improvement of the stability and efficiency of insurance intermediaries, which are an important segment of the insurance market .

The main part

In recent years, the insurance market of Uzbekistan has been showing steady growth. The adoption of the decision PQ-4412 of the President of the Republic of Uzbekistan dated August 2, 2019 "On measures to reform the insurance market of the Republic of Uzbekistan and ensure its

¹Allianz Global Insurance Report 2023: Anchor in turbulent times , https://www.allianz.com/en/economic_research/publications/specials_fmo/global-insurance-report.html.

rapid development" prepared a suitable ground for the promotion of the insurance industry in the country to a new level. In this decision, the issue of "activating the activities of insurance brokers, improving the work system of insurance agents, introducing bancassurance mechanisms, as well as developing and expanding the infrastructure of the insurance market by increasing the role of professional participants of the insurance market in general" ² is defined as the main directions of the reform and rapid development of the insurance market of the Republic of Uzbekistan. was an important step in the development of the activity of insurance intermediaries.

In our opinion, the insurance market in general, and the insurance market of Uzbekistan in particular, cannot be imagined without insurance intermediaries. After all, insurance intermediaries play an important role in increasing the efficiency of insurance activities and improving the main indicators of the development of the insurance sector.

Analysis and results.

The results of the analysis, which allow systematization of the widely used methodology in the world experience of financial analysis and forecasting of insurance companies, are aimed at providing reliable financial reports and ensuring transparency by insurance organizations, as well as the comprehensive analysis of their indicators and the search for new or improved or effective methods of forecasting and the selection of reasonable application methods. allows to form useful theoretical and practical conclusions.

Table 1. Dynamics of the amount of insurance premiums³

(in billion soums, 2022 estimates)

Years	Compulsory insurance	Absolute additional growth, thousand people		Growth or decrease rate, %		Additional growth (decrease) rate, %		1% extra increase (decrease) n ing absolute value , thousand people	
		Basic method	Chain-like	Basic method	Chain-like	Basic method	Chain-like	Basic method	Chain-like method
A	1	2	3	4	5	6=4-100	7=5-100	8=3:7	9=1:100
2018	447,2	-	-	-	-	-	-	-	-
2019	451,3	4,1	4,1	100,9	100,9	0,9	0,9	4,472	4,513
2020	466,6	19,4	15,3	104,3	103,4	4,3	3,4	4,513	4,666
2021	571,6	124,4	105	127,8	122,5	27,8	22,5	4,666	5,716
2022	518	70,8	-53,6	115,8	90,6	15,8	-9,4	5,716	5,18

These conclusions help to develop an excellent methodology of complex analysis and forecasting of the financial condition of national insurance organizations with the help of their indicators, and to formulate scientifically based theoretical proposals and practical recommendations for its practical application.

We can see that compulsory insurance premiums increased by 115.8% in 2022 compared to 2018. Compulsory insurance premiums in 2022 will decrease by 9.4% compared to 2021 and will amount to 53.6 billion in absolute amount. made up soum.

² Uzbekistan Republic President of August 2 , 2019 " Uzbekistan Republic of insurance the market reform to do and his fast development provide measures about " g i PQ -4412- number the decision <https://lex.uz/docs/4459802> .

³Econometric analysis results based on researcher by work released

Table 2. Dynamics of the amount of insurance premiums⁴

(in billion soums, 2022 estimates)

Years	Voluntary insurance	Absolute additional growth, thousand people		Growth or decrease rate , %		Additional growth (decrease) rate , %		1% extra increase (decrease) n ing absolute value , thousand people	
		Basic method	Chain-like	Basic method	Chain-like	Basic method	Chain-like	Basic method	Chain-like method
A	1	2	3	4	5	6=4-100	7=5-100	8=3:7	9=1:100
2018	2328.1	-	-	-	-	-	-	-	-
2019	2882	553.9	553.9	123.8	123.8	23.8	23.8	23.3	28.8
2020	2395	66.9	-487	102.9	83.1	2.9	-16.9	23.3	24.0
2021	3677.3	1349.2	1282.3	158.0	153.5	58.0	53.5	23.3	36.8
2022	5713.7	3385.6	2036.4	245.4	155.4	145.4	55.4	23.3	57.1

Optional insurance premiums increased by 245.4% in 2022 compared to 2018 and amounted to 3385.6 billion soums in absolute amount. In 2020, compared to 2019, voluntary insurance premiums decreased by 16.9% and amounted to 487 billion in absolute terms. made up soum.

Table 3. Dynamics of the amount of insurance premiums⁵

(in billion soums, 2022 estimates)

Years	Voluntary and compulsory insurance	Absolute complement growth , thousand people		Growth or decrease rate , %		Additional growth (decrease) rate , %		1% extra increase (decrease) n ing absolute value , thousand people	
		Basic method	Chain-like	Basic method	Chain-like	Basic method	Chain-like	Basic method	Chain-like method
A	1	2	3	4	5	6= 4-100	7=5-100	8=3:7	9=1: 100
2018	2775.3	-	-	-	-	-	-	-	-
2019	3333.4	558.1	558.1	120.1	120.1	20.1	20.1	27.8	33.3
2020	2861.6	86.3	-471.8	103.1	85.8	3.1	-14.2	33.3	28.6
2021	4248.8	1473.5	1387.2	153.1	148.5	53.1	48.5	28.6	42.5
2022	6231.7	3456.4	1982.9	224.5	146.7	124.5	46.7	42.5	62.3

Compulsory and voluntary insurance premiums increased by 224.5% in 2022 compared to 2018 and amounted to 33,456.4 billion soums in absolute terms. In 2020, compared to 2019, compulsory and voluntary insurance premiums decreased by 14.2% and amounted to 471.8 billion in absolute terms. made up soum.

Table 4. Dynamics of the amount of insurance payments⁶

(in billion soums, 2022 estimates)

Years	compulsory insurance	Absolute incremental growth, thousand k work		Growth or decrease rate , %		Additional growth (decrease) rate , %		1% extra increase (decrease) n ing absolute value , thousand people	
		Basic method	Chain-like	Basic method	Chain-like	Basic method	Chain-like	Basic method	Chain-like method
A	1	2	3	4	5	6=4-100	7=5-100	8=3:7	9=1:100

⁴ It was developed by the researcher based on the results of econometric analysis.⁵ It was developed by the researcher based on the results of econometric analysis.⁶ It was developed by the researcher based on the results of econometric analysis.

2018	121.4	-	-	-	-	-	-	-	-
2019	136.3	14.9	14.9	112.3	112.3	12.3	12.3	1,214	1,363
2020	172.8	51.4	36.5	142.3	126.8	42.3	26.8	1,363	1,728
2021	217.3	95.9	44.5	179.0	125.8	79.0	25.8	1,728	2,173
2022	24.2	-97.2	-193.1	19.9	11.1	-80.1	-88.9	2,173	0.242

Compulsory insurance payments decreased by 80.1% in 2022 compared to 2018 and amounted to 97.2 billion soms in absolute amount. In the period under study, we can see a sharp decrease in compulsory insurance payments in 2022.

Table 5. Dynamics of the amount of insurance payments⁷

(in billion soums, 2022 estimates)

Years	Voluntary insurance	Absolute additional growth, thousand people		Growth or decrease rate , %		Additional growth (decrease) rate , %		1% extra increase (decrease) n ing absolute value , thousand people	
		Basic method	Chain-like	Basic method	Chain-like	Basic method	Chain-like	Basic method	Chain-like method
A	1	2	3	4	5	6=4-100	7=5-100	8=3:7	9=1:100
2018	660.7	-	-	-	-	-	-	-	-
2019	1035.6	374.9	374.9	156.7	156.7	56.7	56.7	6.6	10.4
2020	780.7	120	-254.9	118.2	75.4	18.2	-24.6	6.6	7.8
2021	1185.7	525	405	179.5	151.9	79.5	51.9	6.6	11.9
2022	2354.8	1694.1	1169.1	356.4	198.6	256.4	98.6	6.6	23.5

Voluntary insurance payments increased by 356.4 percent in 2022 compared to 2018 and amounted to 1,694.1 billion soums in absolute terms. In 2020, compared to 2019, voluntary insurance payments decreased by 24.6% and amounted to 254.9 billion in absolute terms. made up soum.

Table 6. Dynamics of the amount of insurance payments⁸

(in billion soums, 2022 estimates)

Years	Voluntary and compulsory insurance	Absolute additional growth , thousand people		Growth or decrease rate , %		Additional growth (decrease) rate , %		1% extra increase (decrease) n ing absolute value , thousand people	
		Basic method	Chain-like	Basic method	Chain-like	Basic method	Chain-like	Basic method	Chain-like method
A	1	2	3	4	5	6=4-100	7=5-100	8=3:7	9=1:100
2018	782.1	-	-	-	-	-	-	-	-
2019	1171.9	389.8	389.8	149.8	149.8	49.8	49.8	7.8	11.7
2020	953.5	171.4	-218.4	121.9	81.4	21.9	-18.6	11.7	9.5
2021	1403	620.9	449.5	179.4	147.1	79.4	47.1	9.5	14.0
2022	2379	1596.9	976	304.2	169.6	204.2	69.6	14.0	23.8

Compulsory and voluntary insurance payments increased by 304.2% in 2022 compared to 2018 and amounted to 1596.9 billion soms in absolute amount. In 2020, compared to 2019, compulsory and voluntary insurance premiums decreased by 18.6% and amounted to 218.4 billion in absolute terms. made up soum.

⁷ It was developed by the researcher based on the results of econometric analysis.

⁸ It was developed by the researcher based on the results of econometric analysis.

Summary

Today, insurance intermediaries play an important role in the insurance market of Uzbekistan. In the "ROAD MAP" on the rapid development of the insurance market of the Republic of Uzbekistan in 2019-2020, approved by the decision of the President of the Republic of Uzbekistan dated August 2, 2019 "On measures to reform the insurance market of the Republic of Uzbekistan and ensure its rapid development" No. PQ-4412 development of a new version of the Regulation on Insurance Agents, introducing modern methods of organizing and regulating the activities of insurance agents; It is not for nothing that the task of considering the introduction of effective cooperation mechanisms between insurers and insurance agents and the establishment of institutions of certified insurance consultants and firm insurance agents has been established.

The main reason why the number of brokers differs by a large number compared to the number of insurance agents is that, firstly, insurance brokers carry out their activities only as legal entities, secondly, the intermediary activity of an insurance broker is licensed by an authorized state body, and thirdly, brokers are always present in the insurance market. service will not be needed.

Summarizing the above, it is worth noting that there is sufficient potential for the development of insurance intermediaries in Uzbekistan. There is no doubt that the correct and rational use of this potential will increase the role of insurance intermediaries in the development of the insurance market of our country.

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